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Job Order Contract Construction Task Catalog®

CSI Division 01-46 May 2024 GBJOC20

San Bernardino County

General Building

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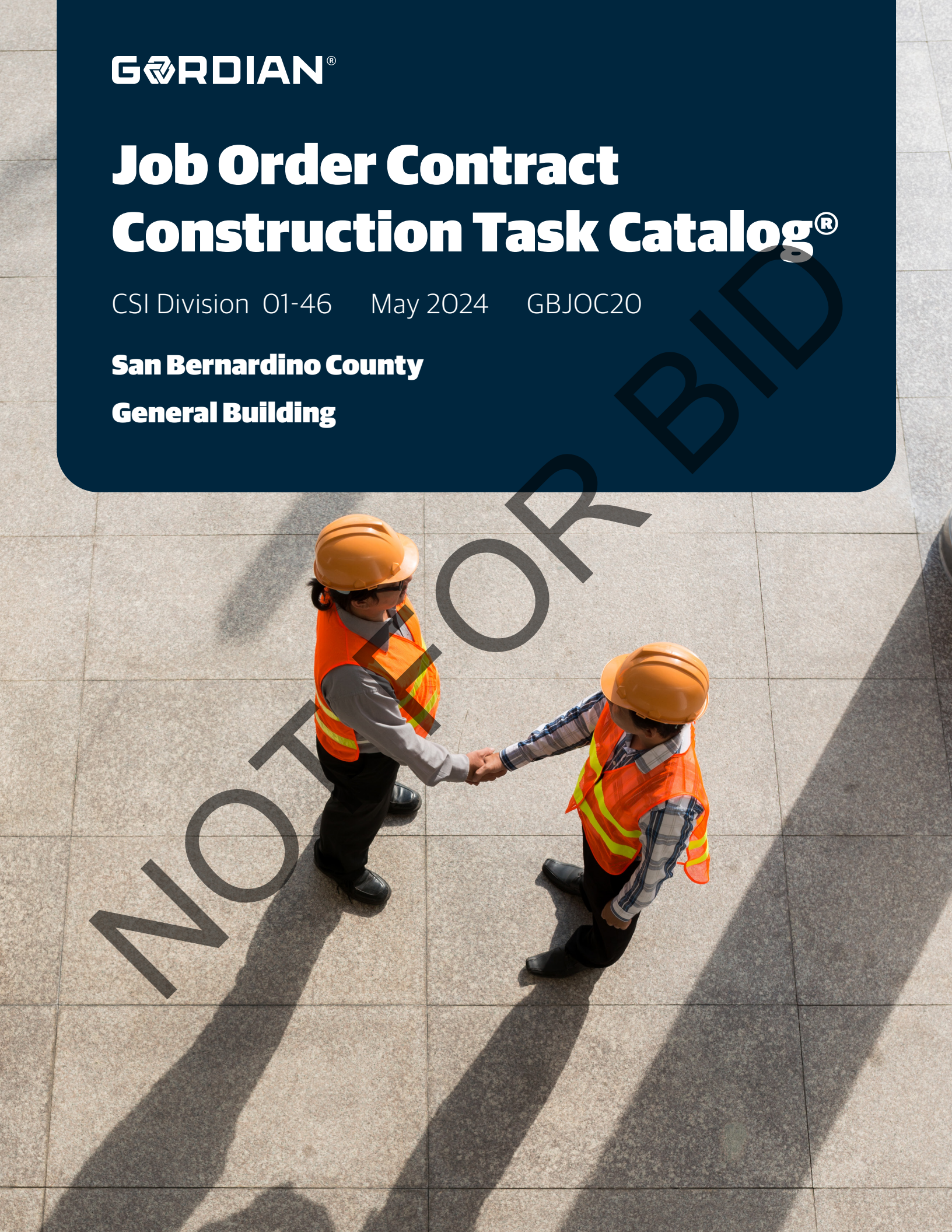

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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **San Bernardino County**, priced locally using current labor, material and equipment costs, and published in May 2024.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **San Bernardino County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

Project Related Costs:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price X Quantity X Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification shall be considered included in the unit price, unless the Task description states otherwise.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or

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other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

Field Engineering:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the

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Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

Assemblies:

☑ Assembly Tasks take precedence over individual component Tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.

☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** –

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Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2) height
- Surface Area = 2 π radius^2+(2 π radius) height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE	Work Covered by Contract Documents Note: For specification publishing. Review specifications for requirements.	0.00	

01 11 19 Purchase Contracts *(01 11)*

01 11 19 00-0001 Purchase Contracts *(01 11 19)*

Note: Purchase Contracts include contracts which are not included in The Construction Task Catalog®.

01 11 19 00-0002	EA	Purchase Contracts Note: Purchase Contracts will be paid to the contractor for eligible costs as directed by Owner. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost, i.e.; quantity of 125 = $125.00 purchase. If there are multiple Purchase Contracts, list each one separately and add a comment in the "note" block to identify the Purchase Contracts. Insert the appropriate quantity to adjust the base cost to the actual Purchase Contracts. The Adjustment Factor should be 1.00. A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	1.00	

01 11 19 00-0003 County Government Center CCTV *(01 11 19)*

Note: Convergint Technologies' scope of work includes furnishing, installing, programming and commissioning the material listed

01 11 19 00-0004	EA	High-performance fixed dome camera with Deep Learning Processing Unit (DLPU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant indoor casing. Varifocal 3.4-8.9 mm P-Iris lens with remote zoom and focus (AXIS 02327-001)	660.66	
01 11 19 00-0005	EA	High-performance fixed dome camera with Deep Learning Processing Unit (DLPU). Forensic WDR, Lightfinder 2.0 and Optimized IR. Discreet, dust- and IK10 vandal-resistant outdoor casing. Varifocal 3.4-8.9 mm P-Iris lens with remote zoom and focus (AXIS 02328-001)	767.81	
01 11 19 00-0006	EA	AXIS P3715-PLVE offers two channels with 2MP per channel, at a frame rate of 30 fps (AXIS 01970-001)	988.96	
01 11 19 00-0007	EA	AXIS P3727-PLE Panoramic Camera offers 4x2 MP with 360 IR coverage (AXIS 02218-001)	1,484.51	
01 11 19 00-0008	EA	AXIS Q3819-PVE delivers a 180 panoramic overview of extensive areas (AXIS 01819-001)	2,198.10	
01 11 19 00-0009	EA	PTZ camera with continues 360 pan and build in IR illumination (660ft) with 32x optical zoom, Autofocus and Focus Recall. HDTV 1080p @ 60fps (1920x1080) in Motion JPEG, H.264, H.265, and Axis Zipstream. Day & Night, IP66, NEMA 4X and NEMA TS2 classific (AXIS 01959-004)	2,724.47	
01 11 19 00-0010	EA	Chromated and powder coated aluminum wall mount with 1.5 NPS thread for fixed dome pendant kits. Cable routing from behind or through 3/4 conduit hole on the side (AXIS 5504-821) Note: Includes mounting plate, pipe seal and conduit hole cover	92.49	
01 11 19 00-0011	EA	Corner Bracket that is compatible with several wall mounts: AXIS T91B61 Wall Mount, AXIS T91D61 Wall Mount 1.5 NPS, AXIS T91G61 Wall Mount, AXIS T91H61 Wall Mount, AXIS T91L61 Wall-and-Pole Mount (AXIS 5017-641)	87.29	
01 11 19 00-0012	EA	AXIS T94N01D Pendant Kit comprises a weathershield and a mounting adapter for AXIS P3717-PLE Network Camera (AXIS 01513-001)	97.70	
01 11 19 00-0013	EA	Aluminum wall mount with IP66 compartment to safely accommodate power and connectivity accessories (e.g. PoE midspan). IK10 and NEMA 4X rated in Axis (AXIS 5506-951)	218.99	
01 11 19 00-0014	EA	Telescopic arm with adjustable length between 783 mm (30.1 in) to 1033 mm (40.7 in) for compensating different parapet thicknesses or obstructive elements on the facade of the building (AXIS 5507-271)	381.88	
01 11 19 00-0015	EA	Pendant kit for the AXIS Q60-series and AXIS P55-series PTZ Network Cameras, enables mount on standard '1,5 NPT threaded brackets (AXIS 5502-431)	54.22	
01 11 19 00-0016	EA	PowerEdge R740XD2 Server, Dual Intel Xeon Silver 4215 2.5G, 8C/16T, 9.6GT/s , 11M Cache, Turbo, HT (85W) DDR4-2400, 32GB RDIMM, (21) 12TB hard drives, Dual 10GbT BaseTuplinks, Dual hot plug redundant power supplies (1100W), Windows Server 2022 Standard, ProSupport: 3 Years Next Business Day On-Site Service (Dell R740XD2-252TB)	24,005.34	
01 11 19 00-0017	EA	SMART-UPS 3000VA LCD RM 2U 120 (APC 2G-SMT3000RU)	2,809.89	
01 11 19 00-0018	EA	Security Center Active Directory Integration (users and cardholders) (Genetec GSC-1AD-USCH)	1,510.81	
01 11 19 00-0019	EA	GSC Omnicast™ Professional Package (Genetec GSC-Om-P) Note: Includes: Archiving support, Media Router, Audio, Remote Security Desk, Camera Sequences, Camera Blocking, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 250 cameras, Max. 10 clients, Max. 20 Archivers	1,192.29	
01 11 19 00-0020	EA	1 camera connection (Genetec GSC-Om-P-1C)	242.59	
01 11 19 00-0021	EA	Genetec™ Advantage for 1 Omnicast™ Pro Camera 1 year (Genetec ADV-CAM-P-1Y)	42.25	
01 11 19 00-0022	EA	Aruba 6000 24G CL4 4SFP Switch U.S. (Hewlett Packard Company HPE-R8N87A#ABA)	4,199.30	
01 11 19 00-0023	EA	23-4P Unshielded Solid Plenum Cat6 Grn Jkt (Windy City Wire 5566060)	465.44	
01 11 19 00-0024	EA	DELLWORKSTATION (Dell DELLWORKSTATION)	4,044.94	
01 11 19 00-0025	EA	32 FHD IPS PANEL TECH 400 (LG ELECTRONICS CE-32SM5JB)	1,003.64	
01 11 19 00-0026	EA	K1 WALL MNT DUAL DISP 2L ARM H (CHIEF / MILESTONE CJ-K1W22HB)	409.18	

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 16 00-0001 **Reimbursable Fees** *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	1.00	

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 **Local Labor/Wage Rates** *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	101.04	
		For Apprentice, Deduct	*-20.21*	
01 22 20 00-0003	HR	Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	106.27	
		For Apprentice, Deduct	*-21.25*	
01 22 20 00-0004	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	102.35	
		For Apprentice, Deduct	*-20.47*	
01 22 20 00-0005	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.10	
		For Apprentice, Deduct	*-19.02*	
01 22 20 00-0006	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	107.23	
		For Apprentice, Deduct	*-21.45*	
01 22 20 00-0007	HR	Carpenter, Bridge Builder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	112.34	
		For Apprentice, Deduct	*-22.47*	
		For Foreperson, Add	*5.62*	
01 22 20 00-0008	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	87.52	
		For Apprentice, Deduct	*-17.50*	
01 22 20 00-0009	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	92.10	
		For Apprentice, Deduct	*-18.42*	
01 22 20 00-0010	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	101.40	
		For Apprentice, Deduct	*-20.28*	
01 22 20 00-0011	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	123.86	
		For Apprentice, Deduct	*-24.77*	
01 22 20 00-0012	HR	Electrician, Cable Splicer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	128.71	
		For Apprentice, Deduct	*-25.74*	
		For Foreperson, Add	*6.44*	
01 22 20 00-0013	HR	Communication And System Technician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	81.29	
		For Apprentice, Deduct	*-16.26*	
01 22 20 00-0014	HR	Equipment Operator (Crane Group 3) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	120.70	
		For Foreperson, Add	*6.04*	
01 22 20 00-0015	HR	Equipment Operator (Crane Group 5) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	121.22	
		For Foreperson, Add	*6.06*	
01 22 20 00-0016	HR	Equipment Operator (Crane Group 7) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	121.55	
		For Foreperson, Add	*6.08*	
01 22 20 00-0017	HR	Equipment Operator (Crane Group 8) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	121.79	
		For Foreperson, Add	*6.09*	
01 22 20 00-0018	HR	Equipment Operator (Crane Group 9) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	122.04	
		For Foreperson, Add	*6.10*	
01 22 20 00-0019	HR	Equipment Operator (Crane Group 10) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	123.48	
		For Foreperson, Add	*6.17*	
01 22 20 00-0020	HR	Equipment Operator (Crane Group 11) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	124.91	
		For Foreperson, Add	*6.25*	
01 22 20 00-0021	HR	Equipment Operator (Crane Group 12) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	126.35	
		For Foreperson, Add	*6.32*	
01 22 20 00-0022	HR	Equipment Operator (Crane Group 13) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	127.79	
		For Foreperson, Add	*6.39*	
01 22 20 00-0023	HR	Equipment Operator (Group 2) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	118.34	
		For Apprentice, Deduct	*-23.67*	
		For Foreperson, Add	*5.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0024	HR	Equipment Operator (Group 3)	118.76	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-23.75*	
		For Foreperson, Add	*5.94*	
01 22 20 00-0025	HR	Equipment Operator (Group 4)	120.90	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.18*	
01 22 20 00-0026	HR	Equipment Operator (Group 6)	121.22	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.24*	
		For Foreperson, Add	*6.06*	
01 22 20 00-0027	HR	Equipment Operator (Group 8)	121.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.28*	
01 22 20 00-0028	HR	Equipment Operator (Group 10)	121.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.31*	
		For Foreperson, Add	*6.08*	
01 22 20 00-0029	HR	Equipment Operator (Group 12)	121.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.36*	
		For Foreperson, Add	*6.09*	
01 22 20 00-0030	HR	Glazier	111.91	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-22.38*	
01 22 20 00-0031	HR	Laborer	96.60	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0032	HR	Lather	99.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-19.89*	
01 22 20 00-0033	HR	Marble Setter	95.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-19.02*	
01 22 20 00-0034	HR	Millwright	100.70	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.14*	
01 22 20 00-0035	HR	Mold Removal Worker	100.63	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.13*	
		For Foreperson, Add	*5.03*	
01 22 20 00-0036	HR	Painter, Ordinary	80.04	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-16.01*	
01 22 20 00-0037	HR	Painter, Structural Steel	85.67	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-17.13*	
01 22 20 00-0038	HR	Paperhanger	80.04	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-16.01*	
01 22 20 00-0039	HR	Pile Drivers	106.25	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-21.25*	
01 22 20 00-0040	HR	Plasterer	99.59	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-19.92*	
01 22 20 00-0041	HR	Plumber	113.43	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-22.69*	
01 22 20 00-0042	HR	Powderman	105.84	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-21.17*	
01 22 20 00-0043	HR	Rodman (Reinforcing)/Ornamental Steel Worker	103.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.80*	
01 22 20 00-0044	HR	Roofer, Composite	123.54	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.71*	
01 22 20 00-0045	HR	Roofer, Metal	148.67	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-29.73*	
		For Foreperson, Add	*7.43*	
01 22 20 00-0046	HR	Roofer, Tile/Slate	119.91	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-23.98*	
01 22 20 00-0047	HR	Sheet Metal Worker	120.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.16*	
01 22 20 00-0048	HR	Sprinkler Installer	120.30	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.06*	
01 22 20 00-0049	HR	Steam / Pipe Fitter	113.43	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-22.69*	
01 22 20 00-0050	HR	Stone Mason	95.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-19.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0051	HR	Structural Steel Worker	107.14	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-21.43*	
01 22 20 00-0052	HR	Tile Layer	91.74	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.35*	
01 22 20 00-0053	HR	Terrazzo Worker	85.00	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-17.00*	
01 22 20 00-0054	HR	Truck Driver (Group 2)	93.63	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.73*	
01 22 20 00-0055	HR	Truck Driver (Group 3)	93.82	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.76*	
		For Foreperson, Add	*4.69*	
01 22 20 00-0056	HR	Truck Driver (Group 4)	94.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.82*	
		For Foreperson, Add	*4.71*	
01 22 20 00-0057	HR	Truck Driver (Group 5)	94.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.83*	
		For Foreperson, Add	*4.71*	
01 22 20 00-0058	HR	Truck Driver (Group 6)	94.19	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.84*	
01 22 20 00-0059	HR	Truck Driver (Group 7)	94.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.91*	
01 22 20 00-0060	HR	Truck Driver (Group 8)	94.93	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-18.99*	
		For Foreperson, Add	*4.75*	
01 22 20 00-0061	HR	Truck Driver (Group 9)	95.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-19.05*	
		For Foreperson, Add	*4.76*	
01 22 20 00-0062	HR	Class I Diver	209.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0063	HR	Class III Diver Tender	117.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0064	HR	D1 Certified Welder	124.61	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0065 Rates For Services *(01 22 20)*

01 22 20 00-0066	HR	Watch/Guard Person, Unarmed	37.86	
01 22 20 00-0067	HR	Watch/Guard Person, Armed	48.66	
01 22 20 00-0068	HR	Senior Surveyor (Party Chief)	136.41	
01 22 20 00-0069	HR	Surveyor (Instrument person)	126.19	
01 22 20 00-0070	HR	Surveyor (Rod Person)	125.21	
01 22 20 00-0071	HR	On-Site Certified Materials Testing Technician	90.85	
01 22 20 00-0072	HR	Certified Industrial Hygienist	122.50	
01 22 20 00-0073	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.67	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0074	HR	Fire Watch Laborer	96.60	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		

01 22 20 00-0075 Rates For Project Management Services *(01 22 20)*

01 22 20 00-0076	HR	Project Manager	156.25	

01 22 20 00-0077 Rates For Architectural And Engineering Services *(01 22 20)*

Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.

01 22 20 00-0078	HR	Principal Architect	237.50	
01 22 20 00-0079	HR	Senior Architect	175.00	
01 22 20 00-0080	HR	Architect	137.50	
01 22 20 00-0081	HR	Principal Engineer	205.00	
01 22 20 00-0082	HR	Senior Engineer	170.00	
01 22 20 00-0083	HR	Engineer	133.75	
01 22 20 00-0084	HR	Draft Person	70.00	

01 22 20 00-0085 Rates For Traffic Control *(01 22 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0086	HR	Flagperson For Traffic Control	96.60	

01 22 20 00-0087 Mobilize Equipment *(01 22 20)*

01 22 20 00-0088	HR	Escort Vehicle With Driver	108.46	
01 22 20 00-0089	HR	Transport Vehicle With Driver	139.58	

01 22 20 00-0090 Diver Rates *(01 22 20)*

01 22 20 00-0091	DAY	Four Person Dive Team With No Decompression Chamber (Up To Fifty Feet) Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats.	5,237.75	
01 22 20 00-0092	DAY	Eight Person Dive Team With Decompression Chamber (Up To Two Hundred Feet) Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats.	9,758.41	
01 22 20 00-0093	DAY	Decompression Chamber And 5120 Air Compressor	1,473.40	
01 22 20 00-0094	DAY	Decompression Chamber Stand-By	669.72	
01 22 20 00-0095	NPP	HP Air Bottles (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0096	NPP	Oxygen Bottles (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0097	NPP	Nitrox Bottles (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0098	DAY	Mixed Gas Console	133.94	
01 22 20 00-0099	DAY	Bail Out System	334.86	
01 22 20 00-0100	DAY	Explosive Meter	120.55	
01 22 20 00-0101	DAY	200 Amperes, Welding Machine With Leads	288.38	
01 22 20 00-0102	DAY	400 Amperes, Welding Machine With Leads	400.74	
01 22 20 00-0103	DAY	Topside Burning Rig	133.94	
01 22 20 00-0104	DAY	Underwater Burning Rig	241.10	
01 22 20 00-0105	DAY	Underwater Welding Rig	375.05	
01 22 20 00-0106	EA	Underwater Burning Rods	10.45	
01 22 20 00-0107	EA	Underwater Welding Rods	5.09	
01 22 20 00-0108	NPP	Oxygen / Acetylene (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0109	DAY	2,000 Watt Generator	97.63	
01 22 20 00-0110	DAY	3,000 Watt Generator	111.73	
01 22 20 00-0111	DAY	50 KW Generator	685.68	
01 22 20 00-0112	DAY	Hydraulic Unit	267.89	
01 22 20 00-0113	DAY	Hydraulic Tools	107.16	
01 22 20 00-0114	DAY	Pneumatic Tools	66.97	
01 22 20 00-0115	NPP	Concrete Chain Saw Blades (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0116	DAY	Roto Drill	107.16	
01 22 20 00-0117	DAY	Underwater Video Equipment And Monitor	524.32	
01 22 20 00-0118	DAY	Air Compressor <180 CFM	289.69	
01 22 20 00-0119	DAY	Air Compressor >180 CFM	459.58	
01 22 20 00-0120	DAY	3" Trash Pump	175.93	
01 22 20 00-0121	DAY	4" Submersible Pump	196.74	
01 22 20 00-0122	DAY	6" Submersible Pump	397.26	
01 22 20 00-0123	DAY	6" Diesel Pump	425.63	
01 22 20 00-0124	DAY	Lengths Of Suction Hose (Each)	19.20	
01 22 20 00-0125	DAY	Lengths Of Discharge Hose (Each)	19.20	
01 22 20 00-0126	DAY	4 Ton Flatbed Trailer With Sides	173.60	
01 22 20 00-0127	DAY	Equipment Storage Trailer	63.82	
01 22 20 00-0128	DAY	Equipment Vehicle	329.17	
01 22 20 00-0129	DAY	Dive Boat	1,071.56	
01 22 20 00-0130	DAY	Jon Boat	107.16	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0085 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	452.44	
		For Four-Wheel Drive, Add		*101.80*
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,138.41	
		For Four-Wheel Drive, Add		*256.14*
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,554.12	
		For Four-Wheel Drive, Add		*574.68*
		For >6 Months (>26 Weeks) , Deduct		*-102.16*
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	664.07	
		For Four-Wheel Drive, Add		*149.42*
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,583.56	
		For Four-Wheel Drive, Add		*356.30*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,466.31	
		For Four-Wheel Drive, Add	*779.92*	
		For >6 Months (>26 Weeks) , Deduct	*-138.65*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,291.66	
		For Four-Wheel Drive, Add	*290.62*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,130.63	
		For Four-Wheel Drive, Add	*704.39*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,567.75	
		For Four-Wheel Drive, Add	*1,477.74*	
		For >6 Months (>26 Weeks) , Deduct	*-262.71*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,838.97	
		For Four-Wheel Drive, Add	*413.77*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,428.12	
		For Four-Wheel Drive, Add	*996.33*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	11,033.82	
		For Four-Wheel Drive, Add	*2,482.61*	
		For >6 Months (>26 Weeks) , Deduct	*-441.35*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,240.33	
		For Four-Wheel Drive, Add	*504.07*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,713.94	
		For Four-Wheel Drive, Add	*1,285.64*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	12,989.55	
		For Four-Wheel Drive, Add	*2,922.65*	
		For >6 Months (>26 Weeks) , Deduct	*-519.58*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	456.56	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,145.54	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,755.93	
		For >6 Months (>26 Weeks) , Deduct	*-110.24*	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	581.07	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,270.05	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,152.72	
		For >6 Months (>26 Weeks) , Deduct	*-126.11*	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	747.09	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,726.61	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,859.96	
		For >6 Months (>26 Weeks) , Deduct	*-154.40*	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,303.26	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,071.37	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	7,469.24	
		For >6 Months (>26 Weeks) , Deduct	*-298.77*	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,531.80	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,976.72	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	14,609.76	
		For >6 Months (>26 Weeks) , Deduct	*-584.39*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	456.56	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,145.54	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,755.93	
		For >6 Months (>26 Weeks) , Deduct	*-110.24*	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	456.56	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,145.54	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,755.93	
		For >6 Months (>26 Weeks) , Deduct	*-110.24*	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	564.47	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,220.25	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	3,029.86	
		For >6 Months (>26 Weeks) , Deduct	*-121.19*	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	564.47	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,220.25	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	3,029.86	
		For >6 Months (>26 Weeks) , Deduct	*-121.19*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	178.13	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	356.27	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	728.73	
		For >6 Months (>26 Weeks) , Deduct	*-29.15*	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	194.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	388.66	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	777.31	
		For >6 Months (>26 Weeks) , Deduct	*-31.09*	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	251.01	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	502.01	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,076.90	
		For >6 Months (>26 Weeks) , Deduct	*-43.08*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	323.88	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	639.66	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,416.98	
		For >6 Months (>26 Weeks) , Deduct	*-56.68*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	348.17	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	680.15	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,538.43	
		For >6 Months (>26 Weeks) , Deduct	*-61.54*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	453.43	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,125.48	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,133.54	
		For >6 Months (>26 Weeks) , Deduct	*-125.34*	
01 22 23 00-0070		**Engine Powered, Scissor Platform Lifts** *(01 22 23 00-0050)*		
		Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	437.76	
		For Four-Wheel Drive, Add	*87.55*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	856.06	
		For Four-Wheel Drive, Add	*171.21*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	2,091.52	
		For Four-Wheel Drive, Add	*418.30*	
		For >6 Months (>26 Weeks) , Deduct	*-83.66*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	447.49	
		For Four-Wheel Drive, Add	*89.50*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	1,021.44	
		For Four-Wheel Drive, Add	*204.29*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,237.44	
		For Four-Wheel Drive, Add	*447.49*	
		For >6 Months (>26 Weeks) , Deduct	*-89.50*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	496.13	
		For Four-Wheel Drive, Add	*99.23*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,138.18	
		For Four-Wheel Drive, Add	*227.64*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,529.28	
		For Four-Wheel Drive, Add	*505.86*	
		For >6 Months (>26 Weeks) , Deduct	*-101.17*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	525.31	
		For Four-Wheel Drive, Add	*105.06*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,225.73	
		For Four-Wheel Drive, Add	*245.15*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	3,015.68	
		For Four-Wheel Drive, Add	*603.14*	
		For >6 Months (>26 Weeks) , Deduct	*-120.63*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	982.53	
		For Four-Wheel Drive, Add	*196.51*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,159.62	
		For Four-Wheel Drive, Add	*431.92*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,311.49	
		For Four-Wheel Drive, Add	*1,062.30*	
		For >6 Months (>26 Weeks) , Deduct	*-212.46*	
01 22 23 00-0086		**Personnel Lifts** *(01 22 23 00-0001)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	138.82	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	393.34	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	794.39	
		For >6 Months (>26 Weeks) , Deduct	*-31.78*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	192.81	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	408.76	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,388.25	
		For >6 Months (>26 Weeks) , Deduct	*-55.53*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	323.92	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	786.68	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,298.32	
		For >6 Months (>26 Weeks) , Deduct	*-91.93*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	347.06	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	863.80	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,599.11	
		For >6 Months (>26 Weeks) , Deduct	*-103.96*	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	185.10	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	370.20	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	740.40	
		For >6 Months (>26 Weeks) , Deduct	*-29.62*	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	185.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	370.20	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	769.71	
		For >6 Months (>26 Weeks) , Deduct	*-30.79*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,452.47	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	5,864.46	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	21,663.82	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-213.49*	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,541.43	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	6,150.39	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	22,426.30	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-243.99*	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	1,770.17	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	6,563.40	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	23,315.86	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-279.58*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,278.49	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	8,215.44	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	27,763.66	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-457.49*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,532.65	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	9,105.00	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	30,940.66	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-584.57*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,659.73	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	9,486.24	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	31,245.65	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-596.77*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	163.36	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	490.07	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,361.31	
		For >6 Months (>26 Weeks) , Deduct	*-54.45*	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	196.03	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	577.20	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,633.58	
		For >6 Months (>26 Weeks) , Deduct	*-65.34*	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	261.37	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	588.09	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,295.97	
		For >6 Months (>26 Weeks) , Deduct	*-51.84*	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	370.28	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	936.58	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,232.55	
		For >6 Months (>26 Weeks) , Deduct	*-89.30*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	823.32	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	1,982.07	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	4,939.93	
		For >6 Months (>26 Weeks) , Deduct	*-197.60*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	991.04	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,439.47	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	5,989.78	
		For >6 Months (>26 Weeks) , Deduct	*-239.59*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	991.04	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,439.47	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	5,989.78	
		For >6 Months (>26 Weeks) , Deduct	*-239.59*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,154.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,587.58	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	6,900.22	
		For >6 Months (>26 Weeks) , Deduct	*-276.01*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,437.55	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,234.48	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,625.28	
		For >6 Months (>26 Weeks) , Deduct	*-345.01*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	104.34	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	428.56	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,294.99	
		For >6 Months (>26 Weeks) , Deduct	*-51.80*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	14.49	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	29.60	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	140.93	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.60	

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	66.00	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	274.34	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	759.42	
		For >6 Months (>26 Weeks) , Deduct	*-30.38*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	83.50	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	345.91	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	1,013.88	
		For >6 Months (>26 Weeks) , Deduct	*-40.56*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	107.35	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	457.24	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,280.27	
		For >6 Months (>26 Weeks) , Deduct	*-51.21*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	19.26	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	25.62	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	236.35	

01 22 23 00-0174 Mobile Ceiling Access Carts For Containment And Filtration(HEPACART HC74) *(01 22 23 00-0124)*

Note: A two person, end entry ceiling access cart with aluminum frame and caster, ICRA LEVEL I-IV compliant, HEPA filtered negative air machine, negative air indicator, 25' retractable extension cord, 10'-6" telescoping antimicrobial enclosure and LED lighting. Includes first and second stage pre-filters, HEPA filter, delivery to job site and pick-up when complete.

01 22 23 00-0175	DAY	750 CFM, Mobile Ceiling Access Cart For Containment And Filtration (HEPACART HC74)	281.81	
01 22 23 00-0176	WK	750 CFM, Mobile Ceiling Access Cart For Containment And Filtration (HEPACART HC74)	920.10	
01 22 23 00-0177	MO	750 CFM, Mobile Ceiling Access Cart For Containment And Filtration (HEPACART HC74)	3,010.80	
		For >6 Months (>26 Weeks) , Deduct	*-120.43*	

01 22 23 00-0178 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0179 Pavers And Rollers *(01 22 23 00-0178)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0180 Pavers *(01 22 23 00-0179)*

01 22 23 00-0181	DAY	10' Wide Paving Machine With Full-Time Operator	4,069.51	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0182	WK	10' Wide Paving Machine With Full-Time Operator	17,249.05	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0183	MO	10' Wide Paving Machine With Full-Time Operator	65,303.57	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-1,770.60*	

01 22 23 00-0184 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0179)*

01 22 23 00-0185	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,310.16	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0186	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,880.82	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0187	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	23,823.09	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-111.38*	
01 22 23 00-0188	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,441.06	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0189	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,854.24	
		For Equipment Without Operator, Deduct	*-4,855.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0190	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,292.74	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-170.17*	
01 22 23 00-0191	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,447.01	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0192	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,467.49	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0193	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	25,578.34	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-181.59*	

01 22 23 00-0194 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0179)*

01 22 23 00-0195	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,363.71	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0196	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,943.89	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0197	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,186.04	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-125.90*	
01 22 23 00-0198	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,613.61	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0199	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,449.64	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0200	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,780.64	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-189.69*	
01 22 23 00-0201	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,673.11	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0202	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,824.49	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0203	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,827.84	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-231.57*	

01 22 23 00-0204 Towed, Padfoot Rollers *(01 22 23 00-0179)*

01 22 23 00-0205	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	113.05	
01 22 23 00-0206	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	327.25	
01 22 23 00-0207	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	963.90	
		For >6 Months (>26 Weeks) , Deduct	*-38.56*	
01 22 23 00-0208	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	142.80	
01 22 23 00-0209	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	398.65	
01 22 23 00-0210	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,695.75	
		For >6 Months (>26 Weeks) , Deduct	*-67.83*	

01 22 23 00-0211 Static Rollers *(01 22 23 00-0179)*

01 22 23 00-0212	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,393.46	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0213	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,199.74	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0214	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	25,024.99	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-159.46*	
01 22 23 00-0215	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,524.36	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0216	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,556.74	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0217	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,012.69	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-198.97*	

01 22 23 00-0218 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0179)*

01 22 23 00-0219	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,203.06	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0220	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,533.34	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0221	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	22,823.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-71.40*	
01 22 23 00-0222	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,292.31	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0223	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,801.09	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0224	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,537.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-99.96*	
01 22 23 00-0225	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,351.81	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0226	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,979.59	
		For Equipment Without Operator, Deduct	*-4,855.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0227	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,013.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-119.00*	
01 22 23 00-0228	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,429.16	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0229	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,205.69	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0230	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,602.54	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-142.56*	
01 22 23 00-0231	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,583.86	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0232	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,657.89	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0233	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,798.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-190.40*	

01 22 23 00-0234 Steel Roadway Plates *(01 22 23 00-0178)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0235 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0235	EA	Placement And Removal Of Steel Roadway Plates	59.87	
01 22 23 00-0236	DAY	1" x 4' x 8' Steel Plate	44.12	
01 22 23 00-0237	WK	1" x 4' x 8' Steel Plate	104.18	
01 22 23 00-0238	MO	1" x 4' x 8' Steel Plate	137.10	
		For >6 Months (>26 Weeks) , Deduct	*-5.48*	
01 22 23 00-0239	DAY	1" x 4' x 10' Steel Plate	58.83	
01 22 23 00-0240	WK	1" x 4' x 10' Steel Plate	132.36	
01 22 23 00-0241	MO	1" x 4' x 10' Steel Plate	161.78	
		For >6 Months (>26 Weeks) , Deduct	*-6.47*	
01 22 23 00-0242	DAY	1" x 5' x 10' Steel Plate	61.28	
01 22 23 00-0243	WK	1" x 5' x 10' Steel Plate	138.49	
01 22 23 00-0244	MO	1" x 5' x 10' Steel Plate	367.68	
		For >6 Months (>26 Weeks) , Deduct	*-14.71*	
01 22 23 00-0245	DAY	1" x 6' x 8' Steel Plate	39.22	
01 22 23 00-0246	WK	1" x 6' x 8' Steel Plate	88.24	
01 22 23 00-0247	MO	1" x 6' x 8' Steel Plate	235.32	
		For >6 Months (>26 Weeks) , Deduct	*-9.41*	
01 22 23 00-0248	DAY	1" x 6' x 10' Steel Plate	73.54	
01 22 23 00-0249	WK	1" x 6' x 10' Steel Plate	96.82	
01 22 23 00-0250	MO	1" x 6' x 10' Steel Plate	258.60	
		For >6 Months (>26 Weeks) , Deduct	*-10.34*	
01 22 23 00-0251	DAY	1" x 6' x 12' Steel Plate	102.95	
01 22 23 00-0252	WK	1" x 6' x 12' Steel Plate	131.75	
01 22 23 00-0253	MO	1" x 6' x 12' Steel Plate	356.65	
		For >6 Months (>26 Weeks) , Deduct	*-14.27*	
01 22 23 00-0254	DAY	1" x 8' x 10' Steel Plate	64.96	
01 22 23 00-0255	WK	1" x 8' x 10' Steel Plate	145.85	
01 22 23 00-0256	MO	1" x 8' x 10' Steel Plate	388.52	
		For >6 Months (>26 Weeks) , Deduct	*-15.54*	
01 22 23 00-0257	DAY	1" x 8' x 12' Steel Plate	117.66	
01 22 23 00-0258	WK	1" x 8' x 12' Steel Plate	145.85	
01 22 23 00-0259	MO	1" x 8' x 12' Steel Plate	705.95	
		For >6 Months (>26 Weeks) , Deduct	*-28.24*	
01 22 23 00-0260	DAY	1" x 8' x 16' Steel Plate	156.88	
01 22 23 00-0261	WK	1" x 8' x 16' Steel Plate	352.97	
01 22 23 00-0262	MO	1" x 8' x 16' Steel Plate	941.26	
		For >6 Months (>26 Weeks) , Deduct	*-37.65*	
01 22 23 00-0263	DAY	1-1/4" x 8' x 10' Steel Plate	77.95	
01 22 23 00-0264	WK	1-1/4" x 8' x 10' Steel Plate	175.02	
01 22 23 00-0265	MO	1-1/4" x 8' x 10' Steel Plate	466.22	
		For >6 Months (>26 Weeks) , Deduct	*-18.65*	
01 22 23 00-0266	DAY	1-1/2" x 8' x 15' Steel Plate	180.41	
01 22 23 00-0267	WK	1-1/2" x 8' x 15' Steel Plate	405.92	
01 22 23 00-0268	MO	1-1/2" x 8' x 15' Steel Plate	1,082.45	
		For >6 Months (>26 Weeks) , Deduct	*-43.30*	
01 22 23 00-0269	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.65	1.19
01 22 23 00-0270	EA	Removal And Resetting Of Steel Roadway Plate	33.26	

01 22 23 00-0271 Street Sweepers *(01 22 23 00-0178)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0272	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,167.67	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0273	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,630.39	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0274	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	23,786.27	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-113.20*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0275	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,050.28	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0276	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	9,174.31	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0277	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	36,438.44	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-619.29*	

01 22 23 00-0278 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0279 Skid-Steer Loaders *(01 22 23 00-0278)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0280	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,318.56	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0281	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,757.80	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0282	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	23,176.08	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-88.79*	
01 22 23 00-0283	DAY	1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,411.18	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0284	WK	1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,925.39	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0285	MO	1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	23,543.61	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-103.50*	
01 22 23 00-0286	DAY	2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,437.64	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0287	WK	2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,166.49	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0288	MO	2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	24,183.10	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-129.07*	
01 22 23 00-0289	DAY	2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,540.55	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0290	WK	2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,504.61	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0291	MO	2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	25,300.38	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-173.77*	
01 22 23 00-0292	DAY	3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,716.96	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0293	WK	3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,173.51	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0294	MO	3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,946.89	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-239.63*	
01 22 23 00-0295	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	294.02	
01 22 23 00-0296	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	977.62	
01 22 23 00-0297	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,602.08	
		For >6 Months (>26 Weeks) , Deduct	*-104.08*	
01 22 23 00-0298	DAY	Forklift Attachment For Skid-Steer Loaders	63.21	
01 22 23 00-0299	WK	Forklift Attachment For Skid-Steer Loaders	169.06	
01 22 23 00-0300	MO	Forklift Attachment For Skid-Steer Loaders	477.78	
		For >6 Months (>26 Weeks) , Deduct	*-19.11*	
01 22 23 00-0301	DAY	Backhoe Attachment For Skid-Steer Loaders	139.66	
01 22 23 00-0302	WK	Backhoe Attachment For Skid-Steer Loaders	335.18	
01 22 23 00-0303	MO	Backhoe Attachment For Skid-Steer Loaders	833.55	
		For >6 Months (>26 Weeks) , Deduct	*-33.34*	
01 22 23 00-0304	DAY	Broom Attachment For Skid-Steer Loaders	138.19	
01 22 23 00-0305	WK	Broom Attachment For Skid-Steer Loaders	374.88	
01 22 23 00-0306	MO	Broom Attachment For Skid-Steer Loaders	992.32	
		For >6 Months (>26 Weeks) , Deduct	*-39.69*	
01 22 23 00-0307	DAY	Concrete Pump Attachment For Skid-Steer Loaders	294.02	
01 22 23 00-0308	WK	Concrete Pump Attachment For Skid-Steer Loaders	977.62	
01 22 23 00-0309	MO	Concrete Pump Attachment For Skid-Steer Loaders	2,602.08	
		For >6 Months (>26 Weeks) , Deduct	*-104.08*	
01 22 23 00-0310	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	120.55	
01 22 23 00-0311	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	332.24	
01 22 23 00-0312	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	907.05	
		For >6 Months (>26 Weeks) , Deduct	*-36.28*	
01 22 23 00-0313	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	33.22	
01 22 23 00-0314	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	86.93	
01 22 23 00-0315	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	255.67	
		For >6 Months (>26 Weeks) , Deduct	*-10.23*	
01 22 23 00-0316	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	44.74	
01 22 23 00-0317	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	111.21	
01 22 23 00-0318	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	332.37	
		For >6 Months (>26 Weeks) , Deduct	*-13.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0319	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	65.18	
01 22 23 00-0320	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	198.15	
01 22 23 00-0321	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	588.04	
		For >6 Months (>26 Weeks) , Deduct	*-23.52*	
01 22 23 00-0322	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	13.23	
01 22 23 00-0323	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	30.87	
01 22 23 00-0324	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	82.33	
		For >6 Months (>26 Weeks) , Deduct	*-3.29*	
01 22 23 00-0325		**Bulldozers** *(01 22 23 00-0278)*		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0326	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,419.79	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0327	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,624.75	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0328	MO	70 HP, D3 Bulldozer With Full-Time Operator	26,288.34	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-209.99*	
01 22 23 00-0329	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,631.47	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0330	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,479.96	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0331	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	28,913.27	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-314.99*	
01 22 23 00-0332	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,232.67	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0333	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,884.74	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0334	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,110.64	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-602.89*	
01 22 23 00-0335	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,766.12	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0336	WK	200 HP, D7 Bulldozer With Full-Time Operator	12,027.01	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0337	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,545.94	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-860.30*	
01 22 23 00-0338	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,401.18	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0339	WK	335 HP, D8 Bulldozer With Full-Time Operator	14,567.26	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0340	MO	335 HP, D8 Bulldozer With Full-Time Operator	50,166.69	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-1,165.13*	
01 22 23 00-0341	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,756.82	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0342	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,981.34	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0343	MO	460 HP, D9 Bulldozer With Full-Time Operator	54,400.44	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-1,334.48*	
01 22 23 00-0344		**Motor Scraper** *(01 22 23 00-0278)*		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0345	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,287.64	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0346	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,121.55	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0347	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	36,819.99	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-631.26*	
01 22 23 00-0348	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,819.70	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0349	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,249.80	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0350	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	43,222.77	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-887.37*	
01 22 23 00-0351	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,333.73	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0352	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,296.89	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0353	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	49,355.01	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-1,132.66*	
01 22 23 00-0354		**Hydraulic Excavators** *(01 22 23 00-0278)*		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0355	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,346.88	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0356	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,184.50	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0357	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	25,493.21	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-178.19*	
01 22 23 00-0358	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,452.68	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0359	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,650.85	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0360	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	27,358.62	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-252.81*	
01 22 23 00-0361	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,486.09	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0362	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	6,824.86	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0363	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	27,664.89	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-265.06*	
01 22 23 00-0364	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,520.89	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0365	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	6,984.95	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0366	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	27,971.15	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-277.31*	
01 22 23 00-0367	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,548.73	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0368	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,152.00	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0369	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	28,277.41	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-289.56*	
01 22 23 00-0370	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,924.60	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0371	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,648.51	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0372	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	32,418.91	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-455.22*	
01 22 23 00-0373	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,980.28	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0374	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	8,892.13	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0375	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	33,149.76	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-484.45*	
01 22 23 00-0376	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,084.69	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0377	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,309.76	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0378	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	34,402.65	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-534.57*	
01 22 23 00-0379	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,203.02	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0380	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,776.11	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0381	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	35,794.75	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-590.25*	
01 22 23 00-0382	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,237.82	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0383	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	9,915.32	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0384	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	36,212.38	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-606.96*	
01 22 23 00-0385	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,571.93	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0386	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,258.70	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0387	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,249.47	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-768.44*	
01 22 23 00-0388	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,052.20	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0389	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,165.88	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0390	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	45,957.08	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-996.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0391	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,643.84	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0392	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,532.45	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0393	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	53,056.79	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-1,280.73*	
01 22 23 00-0394	DAY	Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	2,112.53	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0395	WK	Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	9,407.21	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0396	MO	Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	34,681.07	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-545.70*	
01 22 23 00-0397	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	97.45	
01 22 23 00-0398	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	375.87	
01 22 23 00-0399	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,113.68	
		For >6 Months (>26 Weeks) , Deduct	*-44.55*	
01 22 23 00-0400	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	431.55	
01 22 23 00-0401	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,141.52	
01 22 23 00-0402	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,194.87	
		For >6 Months (>26 Weeks) , Deduct	*-127.79*	
01 22 23 00-0403	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	668.21	
01 22 23 00-0404	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,705.32	
01 22 23 00-0405	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,433.84	
		For >6 Months (>26 Weeks) , Deduct	*-177.35*	
01 22 23 00-0406	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	932.71	
01 22 23 00-0407	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,512.74	
01 22 23 00-0408	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	7,044.03	
		For >6 Months (>26 Weeks) , Deduct	*-281.76*	
01 22 23 00-0409	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	194.89	
01 22 23 00-0410	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	779.58	
01 22 23 00-0411	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,338.73	
		For >6 Months (>26 Weeks) , Deduct	*-93.55*	
01 22 23 00-0412	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	278.42	
01 22 23 00-0413	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,113.68	
01 22 23 00-0414	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,341.04	
		For >6 Months (>26 Weeks) , Deduct	*-133.64*	
01 22 23 00-0415	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	306.26	
01 22 23 00-0416	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,211.13	
01 22 23 00-0417	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,619.46	
		For >6 Months (>26 Weeks) , Deduct	*-144.78*	

01 22 23 00-0418 Mini-Excavators *(01 22 23.00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0419	DAY	2,000 LB Mini-Excavator With Full-Time Operator	1,263.35	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0420	WK	2,000 LB Mini-Excavator With Full-Time Operator	5,683.34	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0421	MO	2,000 LB Mini-Excavator With Full-Time Operator	22,862.14	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-72.95*	
01 22 23 00-0422	DAY	3,500 LB Mini-Excavator With Full-Time Operator	1,270.31	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0423	WK	3,500 LB Mini-Excavator With Full-Time Operator	5,704.22	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0424	MO	3,500 LB Mini-Excavator With Full-Time Operator	23,300.65	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-90.49*	
01 22 23 00-0425	DAY	6,000 LB Mini-Excavator With Full-Time Operator	1,305.11	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0426	WK	6,000 LB Mini-Excavator With Full-Time Operator	5,801.67	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0427	MO	6,000 LB Mini-Excavator With Full-Time Operator	23,363.30	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-92.99*	
01 22 23 00-0428	DAY	7,500 LB Mini-Excavator With Full-Time Operator	1,319.03	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0429	WK	7,500 LB Mini-Excavator With Full-Time Operator	5,850.39	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0430	MO	7,500 LB Mini-Excavator With Full-Time Operator	23,391.14	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-94.11*	
01 22 23 00-0431	DAY	9,500 LB Mini-Excavator With Full-Time Operator	1,402.56	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0432	WK	9,500 LB Mini-Excavator With Full-Time Operator	5,920.00	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0433	MO	9,500 LB Mini-Excavator With Full-Time Operator	24,198.56	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-126.40*	
01 22 23 00-0434	DAY	11,000 LB Mini-Excavator With Full-Time Operator	1,409.52	
		For Equipment Without Operator, Deduct	*-971.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0435	WK	11,000 LB Mini-Excavator With Full-Time Operator	6,268.02	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0436	MO	11,000 LB Mini-Excavator With Full-Time Operator	24,233.36	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-127.79*	

01 22 23 00-0437 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0438	DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,393.25	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0439	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	12,898.39	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0440	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	49,746.36	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-1,148.31*	

01 22 23 00-0441 Road Graders *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0442	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,323.71	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0443	WK	50 To 60 HP Road Grader With Full-Time Operator	8,372.06	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0444	MO	50 To 60 HP Road Grader With Full-Time Operator	30,507.39	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-378.76*	
01 22 23 00-0445	DAY	80 To 100 HP Road Grader With Full-Time Operator	2,991.04	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0446	WK	80 To 100 HP Road Grader With Full-Time Operator	9,851.01	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0447	MO	80 To 100 HP Road Grader With Full-Time Operator	35,016.39	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-559.12*	
01 22 23 00-0448	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,488.53	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0449	WK	130 To 140 HP Road Grader With Full-Time Operator	11,324.55	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0450	MO	130 To 140 HP Road Grader With Full-Time Operator	40,449.73	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-776.45*	
01 22 23 00-0451	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,244.54	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0452	WK	170 To 185 HP Road Grader With Full-Time Operator	17,949.18	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0453	MO	170 To 185 HP Road Grader With Full-Time Operator	66,867.94	
		For Equipment Without Operator, Deduct	*-21,038.46*	
		For >6 Months (>26 Weeks) , Deduct	*-1,833.18*	

01 22 23 00-0454 Loader-Backhoes With Standard Bucket *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0455	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,403.33	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0456	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	5,881.80	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0457	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	23,454.85	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-96.65*	
01 22 23 00-0458	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,449.65	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0459	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,043.92	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0460	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	24,443.01	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-136.18*	
01 22 23 00-0461	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,521.06	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0462	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,221.48	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0463	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	24,952.53	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-156.56*	
01 22 23 00-0464	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,839.51	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0465	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,171.04	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0466	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	27,669.97	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-265.26*	

01 22 23 00-0467 Heavy Duty Construction Loaders *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0468	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,471.51	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0469	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	6,833.94	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0470	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	26,967.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-237.16*	
01 22 23 00-0471	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,887.31	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0472	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	7,288.24	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0473	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	27,198.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-246.40*	
01 22 23 00-0474	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,979.71	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0475	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	7,534.64	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0476	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	27,814.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-271.04*	
01 22 23 00-0477	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	2,233.81	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0478	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	8,204.54	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0479	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	29,508.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-338.80*	
01 22 23 00-0480	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,888.31	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0481	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	12,508.84	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0482	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	43,984.49	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-917.84*	
01 22 23 00-0483	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	7,200.23	
		For Equipment Without Operator, Deduct	*-971.01*	
01 22 23 00-0484	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	25,082.72	
		For Equipment Without Operator, Deduct	*-4,855.04*	
01 22 23 00-0485	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	76,164.41	
		For Equipment Without Operator, Deduct	*-21,038.49*	
		For >6 Months (>26 Weeks) , Deduct	*-2,205.04*	

01 22 23 00-0486 Shoring *(01 22 23 00-0278)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0487 Aluminum Hydraulic Shoring *(01 22 23 00-0486)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0488	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	120.17
01 22 23 00-0489	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	354.46
		For >6 Months (>26 Weeks) , Deduct	*-14.18*
01 22 23 00-0490	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	161.21
01 22 23 00-0491	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	475.49
		For >6 Months (>26 Weeks) , Deduct	*-19.02*
01 22 23 00-0492	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	298.93
01 22 23 00-0493	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	881.83
		For >6 Months (>26 Weeks) , Deduct	*-35.27*
01 22 23 00-0494	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	30.38
01 22 23 00-0495	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	48.61
01 22 23 00-0496	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	81.01

01 22 23 00-0497 Trench Boxes/Trench Shields *(01 22 23 00-0278)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0498	WK	4' x 6' Trench Box With Up To 48" Spreaders	256.08
01 22 23 00-0499	MO	4' x 6' Trench Box With Up To 48" Spreaders	768.23
		For >6 Months (>26 Weeks) , Deduct	*-30.73*
01 22 23 00-0500	WK	6' x 6' Trench Box With Up To 48" Spreaders	289.12
01 22 23 00-0501	MO	6' x 6' Trench Box With Up To 48" Spreaders	867.35
		For >6 Months (>26 Weeks) , Deduct	*-34.69*
01 22 23 00-0502	WK	8' x 6' Trench Box With Up To 48" Spreaders	305.64
01 22 23 00-0503	MO	8' x 6' Trench Box With Up To 48" Spreaders	916.92
		For >6 Months (>26 Weeks) , Deduct	*-36.68*
01 22 23 00-0504	WK	4' x 8' Trench Box With Up To 48" Spreaders	280.86
01 22 23 00-0505	MO	4' x 8' Trench Box With Up To 48" Spreaders	842.57
		For >6 Months (>26 Weeks) , Deduct	*-33.70*
01 22 23 00-0506	WK	6' x 8' Trench Box With Up To 48" Spreaders	330.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0507	MO	6' x 8' Trench Box With Up To 48" Spreaders	991.26	
		For >6 Months (>26 Weeks) , Deduct	*-39.65*	
01 22 23 00-0508	WK	8' x 8' Trench Box With Up To 48" Spreaders	371.72	
01 22 23 00-0509	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,115.17	
		For >6 Months (>26 Weeks) , Deduct	*-44.61*	
01 22 23 00-0510	WK	4' x 10' Trench Box With Up To 48" Spreaders	313.90	
01 22 23 00-0511	MO	4' x 10' Trench Box With Up To 48" Spreaders	941.70	
		For >6 Months (>26 Weeks) , Deduct	*-37.67*	
01 22 23 00-0512	WK	6' x 10' Trench Box With Up To 48" Spreaders	371.72	
01 22 23 00-0513	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,115.17	
		For >6 Months (>26 Weeks) , Deduct	*-44.61*	
01 22 23 00-0514	WK	8' x 10' Trench Box With Up To 48" Spreaders	454.33	
01 22 23 00-0515	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,354.72	
		For >6 Months (>26 Weeks) , Deduct	*-54.19*	
01 22 23 00-0516	WK	4' x 12' Trench Box With Up To 48" Spreaders	371.72	
01 22 23 00-0517	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,115.17	
		For >6 Months (>26 Weeks) , Deduct	*-44.61*	
01 22 23 00-0518	WK	6' x 12' Trench Box With Up To 48" Spreaders	454.33	
01 22 23 00-0519	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,362.98	
		For >6 Months (>26 Weeks) , Deduct	*-54.52*	
01 22 23 00-0520	WK	8' x 12' Trench Box With Up To 48" Spreaders	578.24	
01 22 23 00-0521	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,734.70	
		For >6 Months (>26 Weeks) , Deduct	*-69.39*	
01 22 23 00-0522	WK	4' x 14' Trench Box With Up To 48" Spreaders	413.02	
01 22 23 00-0523	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,239.08	
		For >6 Months (>26 Weeks) , Deduct	*-49.56*	
01 22 23 00-0524	WK	6' x 14' Trench Box With Up To 48" Spreaders	536.93	
01 22 23 00-0525	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,610.80	
		For >6 Months (>26 Weeks) , Deduct	*-64.43*	
01 22 23 00-0526	WK	8' x 14' Trench Box With Up To 48" Spreaders	660.84	
01 22 23 00-0527	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,982.52	
		For >6 Months (>26 Weeks) , Deduct	*-79.30*	
01 22 23 00-0528	WK	4' x 16' Trench Box With Up To 48" Spreaders	454.33	
01 22 23 00-0529	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,362.98	
		For >6 Months (>26 Weeks) , Deduct	*-54.52*	
01 22 23 00-0530	WK	6' x 16' Trench Box With Up To 48" Spreaders	619.54	
01 22 23 00-0531	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,858.61	
		For >6 Months (>26 Weeks) , Deduct	*-74.34*	
01 22 23 00-0532	WK	8' x 16' Trench Box With Up To 48" Spreaders	743.44	
01 22 23 00-0533	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,230.34	
		For >6 Months (>26 Weeks) , Deduct	*-89.21*	
01 22 23 00-0534	WK	4' x 20' Trench Box With Up To 48" Spreaders	536.93	
01 22 23 00-0535	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,610.80	
		For >6 Months (>26 Weeks) , Deduct	*-64.43*	
01 22 23 00-0536	WK	6' x 20' Trench Box With Up To 48" Spreaders	743.44	
01 22 23 00-0537	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,230.34	
		For >6 Months (>26 Weeks) , Deduct	*-89.21*	
01 22 23 00-0538	WK	8' x 20' Trench Box With Up To 48" Spreaders	867.35	
01 22 23 00-0539	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,602.06	
		For >6 Months (>26 Weeks) , Deduct	*-104.08*	
01 22 23 00-0540	WK	4' x 24' Trench Box With Up To 48" Spreaders	743.44	
01 22 23 00-0541	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,230.34	
		For >6 Months (>26 Weeks) , Deduct	*-89.21*	
01 22 23 00-0542	WK	6' x 24' Trench Box With Up To 48" Spreaders	908.66	
01 22 23 00-0543	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,725.96	
		For >6 Months (>26 Weeks) , Deduct	*-109.04*	
01 22 23 00-0544	WK	8' x 24' Trench Box With Up To 48" Spreaders	991.26	
01 22 23 00-0545	MO	8' x 24' Trench Box With Up To 48" Spreaders	2,973.78	
		For >6 Months (>26 Weeks) , Deduct	*-118.95*	
01 22 23 00-0546	WK	For Spreaders >48" To 84", Add	24.78	
01 22 23 00-0547	MO	For Spreaders >48" To 84", Add	74.34	
		For >6 Months (>26 Weeks) , Deduct	*-2.97*	
01 22 23 00-0548	WK	For Spreaders >84" To 120", Add	148.69	
01 22 23 00-0549	MO	For Spreaders >84" To 120", Add	446.07	
		For >6 Months (>26 Weeks) , Deduct	*-17.84*	
01 22 23 00-0550	WK	For Spreaders >120", Add	313.90	
01 22 23 00-0551	MO	For Spreaders >120", Add	941.70	
		For >6 Months (>26 Weeks) , Deduct	*-37.67*	
01 22 23 00-0552	WK	8' x 4' Manhole Box	390.31	
01 22 23 00-0553	MO	8' x 4' Manhole Box	1,170.93	
		For >6 Months (>26 Weeks) , Deduct	*-46.84*	
01 22 23 00-0554	WK	8' x 8' Manhole Box	557.58	
01 22 23 00-0555	MO	8' x 8' Manhole Box	1,672.75	
		For >6 Months (>26 Weeks) , Deduct	*-66.91*	

01 22 23 00-0556 Trenchers *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0557	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,368.84	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0558	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,204.11	
		For Equipment Without Operator, Deduct	*-4,836.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0559	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	24,721.53	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-150.61*	
01 22 23 00-0560	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	2,046.60	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0561	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,488.39	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0562	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	30,997.03	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-401.63*	

01 22 23 00-0563 Truck Mounted Vacuum Excavator *(01 22 23 00-0278)*

Note: Includes driver, delivery, and removal.

01 22 23 00-0564	DAY	Truck Mounted Vacuum Excavator With Full-time Operator	8,200.12	

01 22 23 00-0565 Tractors *(01 22 23 00-0278)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0566	DAY	20 To 29 HP Tractor	569.31	
01 22 23 00-0567	WK	20 To 29 HP Tractor	1,370.57	
01 22 23 00-0568	MO	20 To 29 HP Tractor	3,700.54	
		For >6 Months (>26 Weeks) , Deduct	*-148.02*	
01 22 23 00-0569	DAY	30 To 35 HP Tractor	589.90	
01 22 23 00-0570	WK	30 To 35 HP Tractor	1,518.67	
01 22 23 00-0571	MO	30 To 35 HP Tractor	4,204.58	
		For >6 Months (>26 Weeks) , Deduct	*-168.18*	
01 22 23 00-0572	DAY	40 To 45 HP Tractor	602.45	
01 22 23 00-0573	WK	40 To 45 HP Tractor	1,619.08	
01 22 23 00-0574	MO	40 To 45 HP Tractor	4,443.05	
		For >6 Months (>26 Weeks) , Deduct	*-177.72*	
01 22 23 00-0575	DAY	80 To 89 HP Tractor	775.65	
01 22 23 00-0576	WK	80 To 89 HP Tractor	2,199.69	
01 22 23 00-0577	MO	80 To 89 HP Tractor	6,298.34	
		For >6 Months (>26 Weeks) , Deduct	*-251.93*	
01 22 23 00-0578	DAY	60" Rotary Mower Attachment For Tractors	243.49	
01 22 23 00-0579	WK	60" Rotary Mower Attachment For Tractors	753.06	
01 22 23 00-0580	DAY	84" Rotary Mower Attachment For Tractors	266.08	
01 22 23 00-0581	WK	84" Rotary Mower Attachment For Tractors	815.82	
01 22 23 00-0582	DAY	Under Deck Rotary Mower Attachment For Tractors	40.18	
01 22 23 00-0583	WK	Under Deck Rotary Mower Attachment For Tractors	160.73	

01 22 23 00-0584 Portable Sediment Tank *(01 22 23 00-0278)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0585	WK	Portable Sediment Tank	200.92	
01 22 23 00-0586	MO	Portable Sediment Tank	589.36	
		For >6 Months (>26 Weeks) , Deduct	*-23.57*	

01 22 23 00-0587 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0278)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0278 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0588	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	23.68	
01 22 23 00-0589	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	56.37	
01 22 23 00-0590	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	118.38	
		For >6 Months (>26 Weeks) , Deduct	*-4.74*	
01 22 23 00-0591	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	24.86	
01 22 23 00-0592	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	59.19	
01 22 23 00-0593	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	124.30	
		For >6 Months (>26 Weeks) , Deduct	*-4.97*	
01 22 23 00-0594	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	20.12	
01 22 23 00-0595	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	47.35	
01 22 23 00-0596	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	100.62	
		For >6 Months (>26 Weeks) , Deduct	*-4.02*	
01 22 23 00-0597	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	22.49	
01 22 23 00-0598	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	53.27	
01 22 23 00-0599	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	112.46	
		For >6 Months (>26 Weeks) , Deduct	*-4.50*	
01 22 23 00-0600	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.86	
01 22 23 00-0601	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	59.19	
01 22 23 00-0602	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	124.30	
		For >6 Months (>26 Weeks) , Deduct	*-4.97*	
01 22 23 00-0603	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	27.23	
01 22 23 00-0604	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	64.83	
01 22 23 00-0605	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	136.14	
		For >6 Months (>26 Weeks) , Deduct	*-5.45*	
01 22 23 00-0606	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.31	
01 22 23 00-0607	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	59.19	
01 22 23 00-0608	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	106.54	
		For >6 Months (>26 Weeks) , Deduct	*-4.26*	
01 22 23 00-0609	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	24.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0610	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	59.19	
01 22 23 00-0611	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	124.30	
		For >6 Months (>26 Weeks) , Deduct	*-4.97*	
01 22 23 00-0612	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.60	
01 22 23 00-0613	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	65.11	
01 22 23 00-0614	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	147.98	
		For >6 Months (>26 Weeks) , Deduct	*-5.92*	
01 22 23 00-0615	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	31.96	
01 22 23 00-0616	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	76.10	
01 22 23 00-0617	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	159.81	
		For >6 Months (>26 Weeks) , Deduct	*-6.39*	
01 22 23 00-0618	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	34.33	
01 22 23 00-0619	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	81.74	
01 22 23 00-0620	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	171.65	
		For >6 Months (>26 Weeks) , Deduct	*-6.87*	
01 22 23 00-0621	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	35.51	
01 22 23 00-0622	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	84.56	
01 22 23 00-0623	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	177.57	
		For >6 Months (>26 Weeks) , Deduct	*-7.10*	
01 22 23 00-0624	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.39	
01 22 23 00-0625	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.47	
01 22 23 00-0626	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	85.41	
		For >6 Months (>26 Weeks) , Deduct	*-3.42*	
01 22 23 00-0627	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.61	
01 22 23 00-0628	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.03	
01 22 23 00-0629	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	102.10	
		For >6 Months (>26 Weeks) , Deduct	*-4.08*	
01 22 23 00-0630	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.55	
01 22 23 00-0631	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	38.87	
01 22 23 00-0632	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	116.60	
		For >6 Months (>26 Weeks) , Deduct	*-4.66*	
01 22 23 00-0633	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.57	
01 22 23 00-0634	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.43	
01 22 23 00-0635	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.30	
		For >6 Months (>26 Weeks) , Deduct	*-4.97*	
01 22 23 00-0636	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.94	
01 22 23 00-0637	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.35	
01 22 23 00-0638	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	142.06	
		For >6 Months (>26 Weeks) , Deduct	*-5.68*	
01 22 23 00-0639	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.77	
01 22 23 00-0640	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.42	
01 22 23 00-0641	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	163.25	
		For >6 Months (>26 Weeks) , Deduct	*-6.53*	
01 22 23 00-0642	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.75	
01 22 23 00-0643	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.87	
01 22 23 00-0644	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	125.60	
		For >6 Months (>26 Weeks) , Deduct	*-5.02*	
01 22 23 00-0645	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.67	
01 22 23 00-0646	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.68	
01 22 23 00-0647	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	170.05	
		For >6 Months (>26 Weeks) , Deduct	*-6.80*	
01 22 23 00-0648	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.60	
01 22 23 00-0649	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.01	
01 22 23 00-0650	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	147.03	
		For >6 Months (>26 Weeks) , Deduct	*-5.88*	
01 22 23 00-0651	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.70	
01 22 23 00-0652	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	81.74	
01 22 23 00-0653	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	245.21	
		For >6 Months (>26 Weeks) , Deduct	*-9.81*	
01 22 23 00-0654	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.85	
01 22 23 00-0655	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	87.13	
01 22 23 00-0656	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	261.38	
		For >6 Months (>26 Weeks) , Deduct	*-10.46*	

01 22 23 00-0657 Electrical Equipment *(01 22 23)*

01 22 23 00-0658 Tripod Mounted Floodlights *(01 22 23 00-0657)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0659	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.48	
01 22 23 00-0660	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	171.48	
01 22 23 00-0661	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	362.40	
		For >6 Months (>26 Weeks) , Deduct	*-14.50*	
01 22 23 00-0662	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.48	
01 22 23 00-0663	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	212.14	
01 22 23 00-0664	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	627.57	
		For >6 Months (>26 Weeks) , Deduct	*-25.10*	
01 22 23 00-0665	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	81.32	
01 22 23 00-0666	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	220.98	
01 22 23 00-0667	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	539.18	
		For >6 Months (>26 Weeks) , Deduct	*-21.57*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0668		**Trailer Mounted Floodlights** *(01 22 23 00-0657)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0669	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	203.30	
01 22 23 00-0670	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	450.79	
01 22 23 00-0671	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	972.29	
		For >6 Months (>26 Weeks) , Deduct	*-38.89*	
01 22 23 00-0672		**Generator Sets** *(01 22 23 00-0657)*		
01 22 23 00-0673		**Portable, Gas Powered Generator Sets** *(01 22 23 00-0672)*		
		Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0825 for reimbursable fuel fees.		
01 22 23 00-0674	DAY	3.6 KW, 8 HP Gas Powered Generator Set	58.31	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*7.29*	
		For >160 To 320 Hours Usage Per Month, Add	*29.16*	
01 22 23 00-0675	WK	3.6 KW, 8 HP Gas Powered Generator Set	210.18	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*26.27*	
01 22 23 00-0676	MO	3.6 KW, 8 HP Gas Powered Generator Set	583.08	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*72.89*	
		For >6 Months (>26 Weeks) , Deduct	*-23.32*	
01 22 23 00-0677	DAY	5 KW, 11 HP Gas Powered Generator Set	82.72	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*10.34*	
01 22 23 00-0678	WK	5 KW, 11 HP Gas Powered Generator Set	264.42	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*33.05*	
01 22 23 00-0679	MO	5 KW, 11 HP Gas Powered Generator Set	603.42	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*75.43*	
		For >6 Months (>26 Weeks) , Deduct	*-24.14*	
01 22 23 00-0680	DAY	6.5 KW, 13 HP Gas Powered Generator Set	105.77	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*13.22*	
01 22 23 00-0681	WK	6.5 KW, 13 HP Gas Powered Generator Set	284.76	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*35.60*	
01 22 23 00-0682	MO	6.5 KW, 13 HP Gas Powered Generator Set	786.48	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*98.31*	
		For >6 Months (>26 Weeks) , Deduct	*-31.46*	
01 22 23 00-0683	DAY	10 KW, 18 HP Gas Powered Generator Set	117.97	
		Note: Fuel consumption: 100% load – 1.5 gallons per hour		
		For LP Or NG Gas, Add	*14.75*	
01 22 23 00-0684	WK	10 KW, 18 HP Gas Powered Generator Set	318.66	
		Note: Fuel consumption: 100% load – 1.5 gallons per hour		
		For LP Or NG Gas, Add	*39.83*	
01 22 23 00-0685	MO	10 KW, 18 HP Gas Powered Generator Set	915.30	
		Note: Fuel consumption: 100% load – 1.5 gallons per hour		
		For LP Or NG Gas, Add	*114.41*	
		For >6 Months (>26 Weeks) , Deduct	*-36.61*	
01 22 23 00-0686		**Towable, Diesel Powered Generator Sets** *(01 22 23 00-0672)*		
		Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0825 for reimbursable fuel fees.		
01 22 23 00-0687	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	242.72	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*121.36*	
		For >16 To 24 Hours Usage Per Day, Add	*242.72*	
01 22 23 00-0688	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set	634.61	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*317.31*	
		For >80 Hours Usage Per Week, Add	*634.61*	
01 22 23 00-0689	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set	1,728.90	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*864.45*	
		For >320 Hours Usage Per Month, Add	*1,728.90*	
		For >6 Months (>26 Weeks) , Deduct	*-69.16*	
01 22 23 00-0690	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set	366.48	
		Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*183.24*	
		For >16 To 24 Hours Usage Per Day, Add	*366.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0691	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,087.62	
		For >40 To 80 Hours Usage Per Week, Add	*543.81*	
		For >80 Hours Usage Per Week, Add	*1,087.62*	
01 22 23 00-0692	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,246.18	
		For >160 To 320 Hours Usage Per Month, Add	*1,123.09*	
		For >320 Hours Usage Per Month, Add	*2,246.18*	
		For >6 Months (>26 Weeks) , Deduct	*-89.85*	
01 22 23 00-0693	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	401.95	
		For >8 To 16 Hours Usage Per Day, Add	*200.98*	
		For >16 To 24 Hours Usage Per Day, Add	*401.95*	
01 22 23 00-0694	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,123.09	
		For >40 To 80 Hours Usage Per Week, Add	*561.55*	
		For >80 Hours Usage Per Week, Add	*1,123.09*	
01 22 23 00-0695	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,482.62	
		For >160 To 320 Hours Usage Per Month, Add	*1,241.31*	
		For >320 Hours Usage Per Month, Add	*2,482.62*	
		For >6 Months (>26 Weeks) , Deduct	*-99.30*	
01 22 23 00-0696	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	431.50	
		For >8 To 16 Hours Usage Per Day, Add	*215.75*	
		For >16 To 24 Hours Usage Per Day, Add	*431.50*	
01 22 23 00-0697	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,182.20	
		For >40 To 80 Hours Usage Per Week, Add	*591.10*	
		For >80 Hours Usage Per Week, Add	*1,182.20*	
01 22 23 00-0698	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,837.28	
		For >160 To 320 Hours Usage Per Month, Add	*1,418.64*	
		For >320 Hours Usage Per Month, Add	*2,837.28*	
		For >6 Months (>26 Weeks) , Deduct	*-113.49*	
01 22 23 00-0699	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	472.88	
		For >8 To 16 Hours Usage Per Day, Add	*236.44*	
		For >16 To 24 Hours Usage Per Day, Add	*472.88*	
01 22 23 00-0700	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,341.80	
		For >40 To 80 Hours Usage Per Week, Add	*670.90*	
		For >80 Hours Usage Per Week, Add	*1,341.80*	
01 22 23 00-0701	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,191.94	
		For >160 To 320 Hours Usage Per Month, Add	*1,595.97*	
		For >320 Hours Usage Per Month, Add	*3,191.94*	
		For >6 Months (>26 Weeks) , Deduct	*-127.68*	
01 22 23 00-0702	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	531.99	
		For >8 To 16 Hours Usage Per Day, Add	*266.00*	
		For >16 To 24 Hours Usage Per Day, Add	*531.99*	
01 22 23 00-0703	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,418.64	
		For >40 To 80 Hours Usage Per Week, Add	*709.32*	
		For >80 Hours Usage Per Week, Add	*1,418.64*	
01 22 23 00-0704	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,546.60	
		For >160 To 320 Hours Usage Per Month, Add	*1,773.30*	
		For >320 Hours Usage Per Month, Add	*3,546.60*	
		For >6 Months (>26 Weeks) , Deduct	*-141.86*	
01 22 23 00-0705	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	549.72	
		For >8 To 16 Hours Usage Per Day, Add	*274.86*	
		For >16 To 24 Hours Usage Per Day, Add	*549.72*	
01 22 23 00-0706	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,477.75	
		For >40 To 80 Hours Usage Per Week, Add	*738.88*	
		For >80 Hours Usage Per Week, Add	*1,477.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0707	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,019.48	
		For >160 To 320 Hours Usage Per Month, Add	*2,009.74*	
		For >320 Hours Usage Per Month, Add	*4,019.48*	
		For >6 Months (>26 Weeks) , Deduct	*-160.78*	
01 22 23 00-0708	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	620.66	
		For >8 To 16 Hours Usage Per Day, Add	*310.33*	
		For >16 To 24 Hours Usage Per Day, Add	*620.66*	
01 22 23 00-0709	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,714.19	
		For >40 To 80 Hours Usage Per Week, Add	*857.10*	
		For >80 Hours Usage Per Week, Add	*1,714.19*	
01 22 23 00-0710	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,610.58	
		For >160 To 320 Hours Usage Per Month, Add	*2,305.29*	
		For >320 Hours Usage Per Month, Add	*4,610.58*	
		For >6 Months (>26 Weeks) , Deduct	*-184.42*	
01 22 23 00-0711	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	650.21	
		For >8 To 16 Hours Usage Per Day, Add	*325.11*	
		For >16 To 24 Hours Usage Per Day, Add	*650.21*	
01 22 23 00-0712	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,802.86	
		For >40 To 80 Hours Usage Per Week, Add	*901.43*	
		For >80 Hours Usage Per Week, Add	*1,802.86*	
01 22 23 00-0713	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,083.46	
		For >160 To 320 Hours Usage Per Month, Add	*2,541.73*	
		For >320 Hours Usage Per Month, Add	*5,083.46*	
		For >6 Months (>26 Weeks) , Deduct	*-203.34*	
01 22 23 00-0714	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	679.76	
		For >8 To 16 Hours Usage Per Day, Add	*339.88*	
		For >16 To 24 Hours Usage Per Day, Add	*679.76*	
01 22 23 00-0715	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	1,950.63	
		For >40 To 80 Hours Usage Per Week, Add	*975.32*	
		For >80 Hours Usage Per Week, Add	*1,950.63*	
01 22 23 00-0716	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,319.90	
		For >160 To 320 Hours Usage Per Month, Add	*2,659.95*	
		For >320 Hours Usage Per Month, Add	*5,319.90*	
		For >6 Months (>26 Weeks) , Deduct	*-212.80*	
01 22 23 00-0717	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	709.32	
		For >8 To 16 Hours Usage Per Day, Add	*354.66*	
		For >16 To 24 Hours Usage Per Day, Add	*709.32*	
01 22 23 00-0718	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,068.85	
		For >40 To 80 Hours Usage Per Week, Add	*1,034.43*	
		For >80 Hours Usage Per Week, Add	*2,068.85*	
01 22 23 00-0719	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,556.34	
		For >160 To 320 Hours Usage Per Month, Add	*2,778.17*	
		For >320 Hours Usage Per Month, Add	*5,556.34*	
		For >6 Months (>26 Weeks) , Deduct	*-222.25*	
01 22 23 00-0720	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	709.32	
		For >8 To 16 Hours Usage Per Day, Add	*354.66*	
		For >16 To 24 Hours Usage Per Day, Add	*709.32*	
01 22 23 00-0721	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,068.85	
		For >40 To 80 Hours Usage Per Week, Add	*1,034.43*	
		For >80 Hours Usage Per Week, Add	*2,068.85*	
01 22 23 00-0722	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,556.34	
		For >160 To 320 Hours Usage Per Month, Add	*2,778.17*	
		For >320 Hours Usage Per Month, Add	*5,556.34*	
		For >6 Months (>26 Weeks) , Deduct	*-222.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0723	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	975.32	
		For >8 To 16 Hours Usage Per Day, Add	*487.66*	
		For >16 To 24 Hours Usage Per Day, Add	*975.32*	
01 22 23 00-0724	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,423.51	
		For >40 To 80 Hours Usage Per Week, Add	*1,211.76*	
		For >80 Hours Usage Per Week, Add	*2,423.51*	
01 22 23 00-0725	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,093.20	
		For >160 To 320 Hours Usage Per Month, Add	*3,546.60*	
		For >320 Hours Usage Per Month, Add	*7,093.20*	
		For >6 Months (>26 Weeks) , Deduct	*-283.73*	
01 22 23 00-0726	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,034.42	
		For >8 To 16 Hours Usage Per Day, Add	*517.21*	
		For >16 To 24 Hours Usage Per Day, Add	*1,034.42*	
01 22 23 00-0727	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,482.62	
		For >40 To 80 Hours Usage Per Week, Add	*1,241.31*	
		For >80 Hours Usage Per Week, Add	*2,482.62*	
01 22 23 00-0728	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,329.64	
		For >160 To 320 Hours Usage Per Month, Add	*3,664.82*	
		For >320 Hours Usage Per Month, Add	*7,329.64*	
		For >6 Months (>26 Weeks) , Deduct	*-293.19*	
01 22 23 00-0729	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,093.54	
		For >8 To 16 Hours Usage Per Day, Add	*546.77*	
		For >16 To 24 Hours Usage Per Day, Add	*1,093.54*	
01 22 23 00-0730	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,541.73	
		For >40 To 80 Hours Usage Per Week, Add	*1,270.87*	
		For >80 Hours Usage Per Week, Add	*2,541.73*	
01 22 23 00-0731	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,566.08	
		For >160 To 320 Hours Usage Per Month, Add	*3,783.04*	
		For >320 Hours Usage Per Month, Add	*7,566.08*	
		For >6 Months (>26 Weeks) , Deduct	*-302.64*	
01 22 23 00-0732	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,129.00	
		For >8 To 16 Hours Usage Per Day, Add	*564.50*	
		For >16 To 24 Hours Usage Per Day, Add	*1,129.00*	
01 22 23 00-0733	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,719.06	
		For >40 To 80 Hours Usage Per Week, Add	*1,359.53*	
		For >80 Hours Usage Per Week, Add	*2,719.06*	
01 22 23 00-0734	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,038.96	
		For >160 To 320 Hours Usage Per Month, Add	*4,019.48*	
		For >320 Hours Usage Per Month, Add	*8,038.96*	
		For >6 Months (>26 Weeks) , Deduct	*-321.56*	
01 22 23 00-0735	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,182.20	
		For >8 To 16 Hours Usage Per Day, Add	*591.10*	
		For >16 To 24 Hours Usage Per Day, Add	*1,182.20*	
01 22 23 00-0736	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,073.72	
		For >40 To 80 Hours Usage Per Week, Add	*1,536.86*	
		For >80 Hours Usage Per Week, Add	*3,073.72*	
01 22 23 00-0737	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	8,866.50	
		For >160 To 320 Hours Usage Per Month, Add	*4,433.25*	
		For >320 Hours Usage Per Month, Add	*8,866.50*	
		For >6 Months (>26 Weeks) , Deduct	*-354.66*	
01 22 23 00-0738	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,188.13	
		For >8 To 16 Hours Usage Per Day, Add	*1,094.07*	
		For >16 To 24 Hours Usage Per Day, Add	*2,188.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0739	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,657.36	
		For >40 To 80 Hours Usage Per Week, Add	*2,828.68*	
		For >80 Hours Usage Per Week, Add	*5,657.36*	
01 22 23 00-0740	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,961.60	
		For >160 To 320 Hours Usage Per Month, Add	*7,480.80*	
		For >320 Hours Usage Per Month, Add	*14,961.60*	
		For >6 Months (>26 Weeks) , Deduct	*-598.46*	
01 22 23 00-0741	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,805.30	
		For >8 To 16 Hours Usage Per Day, Add	*1,402.65*	
		For >16 To 24 Hours Usage Per Day, Add	*2,805.30*	
01 22 23 00-0742	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	7,293.78	
		For >40 To 80 Hours Usage Per Week, Add	*3,646.89*	
		For >80 Hours Usage Per Week, Add	*7,293.78*	
01 22 23 00-0743	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,831.80	
		For >160 To 320 Hours Usage Per Month, Add	*8,415.90*	
		For >320 Hours Usage Per Month, Add	*16,831.80*	
		For >6 Months (>26 Weeks) , Deduct	*-673.27*	
01 22 23 00-0744	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,469.22	
		For >8 To 16 Hours Usage Per Day, Add	*1,734.61*	
		For >16 To 24 Hours Usage Per Day, Add	*3,469.22*	
01 22 23 00-0745	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	9,163.98	
		For >40 To 80 Hours Usage Per Week, Add	*4,581.99*	
		For >80 Hours Usage Per Week, Add	*9,163.98*	
01 22 23 00-0746	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	22,442.40	
		For >160 To 320 Hours Usage Per Month, Add	*11,221.20*	
		For >320 Hours Usage Per Month, Add	*22,442.40*	
		For >6 Months (>26 Weeks) , Deduct	*-897.70*	
01 22 23 00-0747	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,749.75	
		For >8 To 16 Hours Usage Per Day, Add	*1,874.88*	
		For >16 To 24 Hours Usage Per Day, Add	*3,749.75*	
01 22 23 00-0748	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,640.32	
		For >40 To 80 Hours Usage Per Week, Add	*4,320.16*	
		For >80 Hours Usage Per Week, Add	*8,640.32*	
01 22 23 00-0749	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	25,920.97	
		For >160 To 320 Hours Usage Per Month, Add	*12,960.49*	
		For >320 Hours Usage Per Month, Add	*25,920.97*	
		For >6 Months (>26 Weeks) , Deduct	*-1,036.84*	
01 22 23 00-0750	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	4,254.70	
01 22 23 00-0751	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	11,118.34	
01 22 23 00-0752	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	30,456.21	
		For >6 Months (>26 Weeks) , Deduct	*-1,218.25*	
01 22 23 00-0753	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	5,610.60	
01 22 23 00-0754	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	16,831.80	
01 22 23 00-0755	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	48,260.51	
		For >6 Months (>26 Weeks) , Deduct	*-1,930.42*	
01 22 23 00-0756	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	7,396.64	
01 22 23 00-0757	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	18,496.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0758	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	50,495.40	
		For >6 Months (>26 Weeks) , Deduct	*-2,019.82*	
01 22 23 00-0759	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	966.78	
01 22 23 00-0760	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,578.90	
01 22 23 00-0761	EA	1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up	2,684.93	

01 22 23 00-0762 Generator Accessories *(01 22 23 00-0672)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0763 Step Down Transformer *(01 22 23 00-0762)*

01 22 23 00-0764	WK	75 KVA, 480-208 Volt, Step Down Transformer	348.75	
01 22 23 00-0765	MO	75 KVA, 480-208 Volt, Step Down Transformer	975.32	
		For >6 Months (>26 Weeks) , Deduct	*-39.01*	
01 22 23 00-0766	WK	150 KVA, 480-208 Volt, Step Down Transformer	559.18	
01 22 23 00-0767	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,676.36	
		For >6 Months (>26 Weeks) , Deduct	*-67.05*	
01 22 23 00-0768	WK	225 KVA, 480-208 Volt, Step Down Transformer	744.79	
01 22 23 00-0769	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,234.36	
		For >6 Months (>26 Weeks) , Deduct	*-89.37*	
01 22 23 00-0770	WK	500 KVA, 480-208 Volt, Step Down Transformer	886.65	
01 22 23 00-0771	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,659.95	
		For >6 Months (>26 Weeks) , Deduct	*-106.40*	
01 22 23 00-0772	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,324.06	
01 22 23 00-0773	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	3,954.46	
		For >6 Months (>26 Weeks) , Deduct	*-158.18*	
01 22 23 00-0774	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,151.60	
01 22 23 00-0775	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	6,448.90	
		For >6 Months (>26 Weeks) , Deduct	*-257.96*	
01 22 23 00-0776	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,482.62	
01 22 23 00-0777	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,447.86	
		For >6 Months (>26 Weeks) , Deduct	*-297.91*	

01 22 23 00-0778 Portable Panel *(01 22 23 00-0762)*

01 22 23 00-0779	WK	100 Amperes, Portable Panel	277.82	
01 22 23 00-0780	MO	100 Amperes, Portable Panel	709.32	
		For >6 Months (>26 Weeks) , Deduct	*-28.37*	
01 22 23 00-0781	WK	200 Amperes, Portable Panel	332.20	
01 22 23 00-0782	MO	200 Amperes, Portable Panel	886.65	
		For >6 Months (>26 Weeks) , Deduct	*-35.47*	
01 22 23 00-0783	WK	400 Amperes, Portable Panel	354.66	
01 22 23 00-0784	MO	400 Amperes, Portable Panel	1,063.98	
		For >6 Months (>26 Weeks) , Deduct	*-42.56*	

01 22 23 00-0785 Portable Fusible Disconnect *(01 22 23 00-0762)*

01 22 23 00-0786	WK	100 - 200 Amperes, Portable Fusible Disconnect	124.13	
01 22 23 00-0787	MO	100 - 200 Amperes, Portable Fusible Disconnect	372.39	
		For >6 Months (>26 Weeks) , Deduct	*-14.90*	
01 22 23 00-0788	WK	300 - 400 Amperes, Portable Fusible Disconnect	248.26	
01 22 23 00-0789	MO	300 - 400 Amperes, Portable Fusible Disconnect	744.79	
		For >6 Months (>26 Weeks) , Deduct	*-29.79*	

01 22 23 00-0790 Portable Transfer Switch *(01 22 23 00-0762)*

01 22 23 00-0791	WK	100 Amperes, 480 Volt, Portable Transfer Switch	372.39	
01 22 23 00-0792	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,117.18	
		For >6 Months (>26 Weeks) , Deduct	*-44.69*	
01 22 23 00-0793	WK	200 Amperes, 480 Volt, Portable Transfer Switch	496.52	
01 22 23 00-0794	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,489.57	
		For >6 Months (>26 Weeks) , Deduct	*-59.58*	
01 22 23 00-0795	WK	400 Amperes, 480 Volt, Portable Transfer Switch	620.66	
01 22 23 00-0796	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,861.96	
		For >6 Months (>26 Weeks) , Deduct	*-74.48*	

01 22 23 00-0797 Cabling For Generator Sets *(01 22 23 00-0672)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0798	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	26.01	
01 22 23 00-0799	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	45.51	
01 22 23 00-0800	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	136.54	
		For >6 Months (>26 Weeks) , Deduct	*-5.46*	
01 22 23 00-0801	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.00	
01 22 23 00-0802	WK	50', 4/0 Cable With Camlock Ends For Generator Set	37.83	
01 22 23 00-0803	MO	50', 4/0 Cable With Camlock Ends For Generator Set	105.22	
		For >6 Months (>26 Weeks) , Deduct	*-4.21*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0804		**Resistive Load Banks For Generator Sets** *(01 22 23 00-0672)* Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0825 for reimbursable fuel fees.		
01 22 23 00-0805	DAY	100 KW A/C Resistive Load Bank	360.70	
01 22 23 00-0806	WK	100 KW A/C Resistive Load Bank	686.03	
01 22 23 00-0807	MO	100 KW A/C Resistive Load Bank	1,874.20	
		For >6 Months (>26 Weeks) , Deduct	*-74.97*	
01 22 23 00-0808	DAY	650 KW A/C Resistive Load Bank	770.05	
01 22 23 00-0809	WK	650 KW A/C Resistive Load Bank	2,059.31	
01 22 23 00-0810	MO	650 KW A/C Resistive Load Bank	5,250.37	
		For >6 Months (>26 Weeks) , Deduct	*-210.01*	
01 22 23 00-0811		**Sub-Distribution Panels (Spider Box) For Generator Sets** *(01 22 23 00-0672)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0812	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	63.84	
01 22 23 00-0813	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	165.51	
01 22 23 00-0814	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	466.97	
		For >6 Months (>26 Weeks) , Deduct	*-18.68*	
01 22 23 00-0815		**Portable Distribution Panels For Generator Sets** *(01 22 23 00-0672)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0816	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	141.86	
01 22 23 00-0817	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	384.22	
01 22 23 00-0818	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,075.80	
		For >6 Months (>26 Weeks) , Deduct	*-43.03*	
01 22 23 00-0819	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	115.86	
01 22 23 00-0820	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	301.46	
01 22 23 00-0821	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	857.10	
		For >6 Months (>26 Weeks) , Deduct	*-34.28*	
01 22 23 00-0822	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	147.78	
01 22 23 00-0823	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	372.39	
01 22 23 00-0824	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,010.78	
		For >6 Months (>26 Weeks) , Deduct	*-40.43*	
01 22 23 00-0825		**Fuel Reimbursement For Generators** *(01 22 23 00-0672)*		
01 22 23 00-0826	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0827		**Welding Machines** *(01 22 23 00-0657)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0828		**CC/CV Inverter Welder** *(01 22 23 00-0827)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0825 for reimbursable fuel fees.		
01 22 23 00-0829	DAY	250 Amperes, CC Inverter Welder	52.43	
01 22 23 00-0830	WK	250 Amperes, CC Inverter Welder	114.23	
01 22 23 00-0831	MO	250 Amperes, CC Inverter Welder	346.43	
		For >6 Months (>26 Weeks) , Deduct	*-13.86*	
01 22 23 00-0832	DAY	300 Amperes, CC/CV Inverter Welder	59.92	
01 22 23 00-0833	WK	300 Amperes, CC/CV Inverter Welder	159.17	
01 22 23 00-0834	MO	300 Amperes, CC/CV Inverter Welder	421.34	
		For >6 Months (>26 Weeks) , Deduct	*-16.85*	
01 22 23 00-0835	DAY	350 Amperes, CC/CV Inverter Welder	61.80	
01 22 23 00-0836	WK	350 Amperes, CC/CV Inverter Welder	162.92	
01 22 23 00-0837	MO	350 Amperes, CC/CV Inverter Welder	458.79	
		For >6 Months (>26 Weeks) , Deduct	*-18.35*	
01 22 23 00-0838		**MIG Welder** *(01 22 23 00-0827)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0825 for reimbursable fuel fees.		
01 22 23 00-0839	DAY	115 Volt MIG Welder	89.88	
01 22 23 00-0840	WK	115 Volt MIG Welder	234.08	
01 22 23 00-0841	MO	115 Volt MIG Welder	636.68	
		For >6 Months (>26 Weeks) , Deduct	*-25.47*	
01 22 23 00-0842		**Diesel Powered Towable Welding Machines** *(01 22 23 00-0827)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0843	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	168.53	
01 22 23 00-0844	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	411.97	
01 22 23 00-0845	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	983.12	
		For >6 Months (>26 Weeks) , Deduct	*-39.32*	
01 22 23 00-0846	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	224.71	
01 22 23 00-0847	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	440.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0848	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	1,028.06	
		For >6 Months (>26 Weeks) , Deduct	*-41.12*	
01 22 23 00-0849	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	234.08	
01 22 23 00-0850	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	468.15	
01 22 23 00-0851	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	1,142.29	
		For >6 Months (>26 Weeks) , Deduct	*-45.69*	

01 22 23 00-0852 General Equipment *(01 22 23)*

01 22 23 00-0853 Torch Burning *(01 22 23 00-0852)*

Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.

01 22 23 00-0854	DAY	Torch Burning Package With Full Time Operator	913.70	
		Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
		For Equipment Without Operator, Deduct	*-866.88*	
01 22 23 00-0855	WK	Torch Burning Package With Full Time Operator	4,474.85	
		Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
		For Equipment Without Operator, Deduct	*-4,334.41*	
01 22 23 00-0856	MO	Torch Burning Package With Full Time Operator	19,203.76	
		Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
		For Equipment Without Operator, Deduct	*-18,782.42*	
		For >6 Months (>26 Weeks) , Deduct	*-16.85*	

01 22 23 00-0857 Jacks And Bracing *(01 22 23 00-0852)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0858 Manual Hydraulic Jacks *(01 22 23 00-0857)*

01 22 23 00-0859	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
01 22 23 00-0860	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0861	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks) , Deduct	*-1.14*	
01 22 23 00-0862	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
01 22 23 00-0863	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0864	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks) , Deduct	*-1.39*	
01 22 23 00-0865	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
01 22 23 00-0866	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0867	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks) , Deduct	*-5.83*	
01 22 23 00-0868	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
01 22 23 00-0869	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0870	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks) , Deduct	*-8.42*	

01 22 23 00-0871 Manual Screw Jacks *(01 22 23 00-0857)*

01 22 23 00-0872	DAY	10 To 20 Ton Manual Screw Jack	17.75	
01 22 23 00-0873	WK	10 To 20 Ton Manual Screw Jack	46.99	
01 22 23 00-0874	MO	10 To 20 Ton Manual Screw Jack	140.97	
		For >6 Months (>26 Weeks) , Deduct	*-5.64*	

01 22 23 00-0875 Pressure Washers *(01 22 23 00-0852)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0876	DAY	2,000 PSI Pressure Washer With Full-Time Operator	881.27	
		For Equipment Without Operator, Deduct	*-772.81*	
01 22 23 00-0877	WK	2,000 PSI Pressure Washer With Full-Time Operator	4,139.35	
		For Equipment Without Operator, Deduct	*-3,864.03*	
01 22 23 00-0878	MO	2,000 PSI Pressure Washer With Full-Time Operator	17,444.95	
		For Equipment Without Operator, Deduct	*-16,744.14*	
		For >6 Months (>26 Weeks) , Deduct	*-28.03*	
01 22 23 00-0879	DAY	2,500 PSI Pressure Washer With Full-Time Operator	881.27	
		For Equipment Without Operator, Deduct	*-772.81*	
01 22 23 00-0880	WK	2,500 PSI Pressure Washer With Full-Time Operator	4,139.35	
		For Equipment Without Operator, Deduct	*-3,864.03*	
01 22 23 00-0881	MO	2,500 PSI Pressure Washer With Full-Time Operator	17,444.95	
		For Equipment Without Operator, Deduct	*-16,744.14*	
		For >6 Months (>26 Weeks) , Deduct	*-28.03*	
01 22 23 00-0882	DAY	3,000 PSI Pressure Washer With Full-Time Operator	881.27	
		For Equipment Without Operator, Deduct	*-772.81*	
01 22 23 00-0883	WK	3,000 PSI Pressure Washer With Full-Time Operator	4,139.35	
		For Equipment Without Operator, Deduct	*-3,864.03*	
01 22 23 00-0884	MO	3,000 PSI Pressure Washer With Full-Time Operator	17,444.95	
		For Equipment Without Operator, Deduct	*-16,744.14*	
		For >6 Months (>26 Weeks) , Deduct	*-28.03*	
01 22 23 00-0885	DAY	3,500 PSI Pressure Washer With Full-Time Operator	889.61	
		For Equipment Without Operator, Deduct	*-772.81*	
01 22 23 00-0886	WK	3,500 PSI Pressure Washer With Full-Time Operator	4,164.38	
		For Equipment Without Operator, Deduct	*-3,864.03*	
01 22 23 00-0887	MO	3,500 PSI Pressure Washer With Full-Time Operator	17,511.70	
		For Equipment Without Operator, Deduct	*-16,744.14*	
		For >6 Months (>26 Weeks) , Deduct	*-30.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0888	DAY	4,000 PSI Pressure Washer With Full-Time Operator	922.98	
		For Equipment Without Operator, Deduct	*-772.81*	
01 22 23 00-0889	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,272.84	
		For Equipment Without Operator, Deduct	*-3,864.03*	
01 22 23 00-0890	MO	4,000 PSI Pressure Washer With Full-Time Operator	17,887.13	
		For Equipment Without Operator, Deduct	*-16,744.14*	
		For >6 Months (>26 Weeks) , Deduct	*-45.72*	
01 22 23 00-0891	DAY	5,000 PSI Pressure Washer With Full-Time Operator	939.67	
		For Equipment Without Operator, Deduct	*-772.81*	
01 22 23 00-0892	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,314.55	
		For Equipment Without Operator, Deduct	*-3,864.03*	
01 22 23 00-0893	MO	5,000 PSI Pressure Washer With Full-Time Operator	18,012.28	
		For Equipment Without Operator, Deduct	*-16,744.14*	
		For >6 Months (>26 Weeks) , Deduct	*-50.73*	

01 22 23 00-0894 Confined Space Entry Equipment *(01 22 23 00-0852)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0895	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	51.10	
01 22 23 00-0896	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	153.30	
01 22 23 00-0897	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	457.48	
		For >6 Months (>26 Weeks) , Deduct	*-18.30*	
01 22 23 00-0898	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	64.20	
01 22 23 00-0899	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	192.60	
01 22 23 00-0900	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	577.80	
		For >6 Months (>26 Weeks) , Deduct	*-23.11*	
01 22 23 00-0901	DAY	Confined Space Air Monitor Personnel Note: Per person day.	967.21	
01 22 23 00-0902	WK	15' Long Ventilation Hose For Confined Space	43.08	
01 22 23 00-0903	MO	15' Long Ventilation Hose For Confined Space	143.60	
		For >6 Months (>26 Weeks) , Deduct	*-5.74*	

01 22 23 00-0904 High Volume Vacuums *(01 22 23 00-0852)*

Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.

01 22 23 00-0905	DAY	500 Gallon High Volume Vacuum With Full-Time Operator	1,537.06	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-0906	WK	500 Gallon High Volume Vacuum With Full-Time Operator	6,431.63	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-0907	MO	500 Gallon High Volume Vacuum With Full-Time Operator	26,426.79	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-218.82*	

01 22 23 00-0908 Portable Floor Drying Fans *(01 22 23 00-0852)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0909	DAY	2,250 CFM Portable Floor Drying Fan	22.37	
01 22 23 00-0910	WK	2,250 CFM Portable Floor Drying Fan	103.44	
01 22 23 00-0911	MO	2,250 CFM Portable Floor Drying Fan	342.49	
		For >6 Months (>26 Weeks) , Deduct	*-13.70*	

01 22 23 00-0912 Portable Dehumidifiers *(01 22 23 00-0852)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0913	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier	196.02	
01 22 23 00-0914	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier	641.52	
01 22 23 00-0915	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,817.64	
		For >6 Months (>26 Weeks) , Deduct	*-72.71*	
01 22 23 00-0916	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier	288.68	
01 22 23 00-0917	WK	16 To 25 Gallons Per Day, Portable Dehumidifier	926.64	
01 22 23 00-0918	MO	16 To 25 Gallons Per Day, Portable Dehumidifier	2,583.90	
		For >6 Months (>26 Weeks) , Deduct	*-103.36*	

01 22 23 00-0919 Portable Fume Extractors *(01 22 23 00-0852)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0920	DAY	Portable Fume Extractor	32.85	
01 22 23 00-0921	WK	Portable Fume Extractor	98.55	

01 22 23 00-0922 Direct Fired Space Heaters *(01 22 23 00-0852)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0923	DAY	150,000 BTU/Hour Space Heater	76.30	
01 22 23 00-0924	WK	150,000 BTU/Hour Space Heater	219.37	
01 22 23 00-0925	MO	150,000 BTU/Hour Space Heater	619.97	
		For >6 Months (>26 Weeks) , Deduct	*-24.80*	
01 22 23 00-0926	DAY	500,000 BTU/Hour Space Heater	162.15	
01 22 23 00-0927	WK	500,000 BTU/Hour Space Heater	400.60	
01 22 23 00-0928	MO	500,000 BTU/Hour Space Heater	1,012.94	
		For >6 Months (>26 Weeks) , Deduct	*-40.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0929		**Mowers** *(01 22 23 00-0852)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0930	DAY	21" Walk Behind Lawn Mower	93.91	
01 22 23 00-0931	WK	21" Walk Behind Lawn Mower	270.00	
01 22 23 00-0932	MO	21" Walk Behind Lawn Mower	551.73	
		For >6 Months (>26 Weeks) , Deduct	*-22.07*	
01 22 23 00-0933	DAY	32" Walk Behind Lawn Mower	117.39	
01 22 23 00-0934	WK	32" Walk Behind Lawn Mower	281.74	
01 22 23 00-0935	MO	32" Walk Behind Lawn Mower	586.95	
		For >6 Months (>26 Weeks) , Deduct	*-23.48*	
01 22 23 00-0936	DAY	36" To 48" Walk Behind Deck Mower	211.30	
01 22 23 00-0937	WK	36" To 48" Walk Behind Deck Mower	586.95	
01 22 23 00-0938	MO	36" To 48" Walk Behind Deck Mower	1,702.16	
		For >6 Months (>26 Weeks) , Deduct	*-68.09*	
01 22 23 00-0939	DAY	61" To 72" Walk Behind Deck Mower	211.30	
01 22 23 00-0940	WK	61" To 72" Walk Behind Deck Mower	586.95	
01 22 23 00-0941	MO	61" To 72" Walk Behind Deck Mower	1,702.16	
		For >6 Months (>26 Weeks) , Deduct	*-68.09*	
01 22 23 00-0942		**Trailer Mounted Brush Chipper** *(01 22 23 00-0852)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0943	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	238.26	
01 22 23 00-0944	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	569.74	
01 22 23 00-0945	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,750.67	
		For >6 Months (>26 Weeks) , Deduct	*-70.03*	
01 22 23 00-0946	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	310.77	
01 22 23 00-0947	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	700.27	
01 22 23 00-0948	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,864.62	
		For >6 Months (>26 Weeks) , Deduct	*-74.58*	
01 22 23 00-0949	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	580.10	
01 22 23 00-0950	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,305.23	
01 22 23 00-0951	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,480.62	
		For >6 Months (>26 Weeks) , Deduct	*-139.22*	
01 22 23 00-0952	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	554.40	
01 22 23 00-0953	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,247.40	
01 22 23 00-0954	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,326.40	
		For >6 Months (>26 Weeks) , Deduct	*-133.06*	
01 22 23 00-0955		**Marine Equipment** *(01 22 23)*		
01 22 23 00-0956		**Barge And Tug Boat Rental** *(01 22 23 00-0955)*		
01 22 23 00-0957	DAY	50' Deck Cargo Barge	1,160.21	
01 22 23 00-0958	DAY	90' Deck Cargo Barge	1,647.08	
01 22 23 00-0959	DAY	160' Deck Cargo Barge	2,424.01	
01 22 23 00-0960	DAY	200' Deck Cargo Barge	3,677.44	
01 22 23 00-0961	DAY	Barge Rental With Mounted Crane And Full-time Operator	2,754.12	
		Note: Including barge.		
01 22 23 00-0962	HR	250 HP Tug Boat With Operator	239.59	
01 22 23 00-0963	HR	400 HP Tug Boat With Operator	429.67	
01 22 23 00-0964	HR	500 To 800 HP Tug Boat With Operator	538.91	
01 22 23 00-0965	HR	16' Work Boat With Operator	131.39	
01 22 23 00-0966	HR	48' Work Boat With Operator	421.30	
01 22 23 00-0967		**Material Handling Equipment** *(01 22 23)*		
01 22 23 00-0968		**Truck Mounted Hydraulic Cranes** *(01 22 23 00-0967)*		
		Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0969	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,482.70	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0970	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,438.29	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0971	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	25,914.78	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-180.49*	
01 22 23 00-0972	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,613.71	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0973	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,827.66	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0974	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,079.26	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-227.07*	
01 22 23 00-0975	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,744.71	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0976	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,217.03	
		For Equipment Without Operator, Deduct	*-4,939.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0977	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,243.74	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-273.65*	
01 22 23 00-0978	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,919.38	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0979	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,741.05	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0980	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,808.51	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-336.24*	
01 22 23 00-0981	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,079.50	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0982	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,825.47	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0983	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,058.86	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-466.26*	
01 22 23 00-0984	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,457.96	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0985	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,179.18	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0986	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,122.90	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-628.82*	
01 22 23 00-0987	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,698.13	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0988	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,023.43	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0989	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,661.47	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-730.36*	
01 22 23 00-0990	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,887.36	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0991	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,707.56	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0992	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,710.95	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-812.34*	
01 22 23 00-0993	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,076.59	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0994	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,391.69	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0995	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,760.44	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-894.32*	
01 22 23 00-0996	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,200.31	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-0997	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,813.82	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-0998	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,041.36	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-945.56*	
01 22 23 00-0999	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,367.71	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1000	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,439.72	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1001	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,904.53	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,020.08*	
01 22 23 00-1002	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,906.28	
		For Equipment Without Operator, Deduct	*-987.80*	
		For Half Day Usage, Deduct	*-1,167.39*	
01 22 23 00-1003	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,153.69	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1004	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	52,046.44	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,225.76*	
01 22 23 00-1005	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,277.46	
		For Equipment Without Operator, Deduct	*-987.80*	
		For Half Day Usage, Deduct	*-1,315.86*	
01 22 23 00-1006	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,452.82	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1007	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	55,943.81	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,381.66*	
01 22 23 00-1008	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,947.03	
		For Equipment Without Operator, Deduct	*-987.80*	
		For Half Day Usage, Deduct	*-1,583.69*	
01 22 23 00-1009	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,796.33	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1010	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	62,974.36	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,662.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1011	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,412.82	
		For Equipment Without Operator, Deduct	*-987.80*	
		For Half Day Usage, Deduct	*-1,770.01*	
01 22 23 00-1012	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,426.60	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1013	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	67,865.17	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,858.51*	

01 22 23 00-1014 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0967)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0006 for lattice crane delivery.

01 22 23 00-1015	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,734.52	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1016	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,168.99	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1017	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	40,092.32	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-747.60*	
01 22 23 00-1018	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,080.95	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1019	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,410.61	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1020	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	46,817.20	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,016.59*	
01 22 23 00-1021	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,299.29	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1022	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,004.49	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1023	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	51,597.39	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,207.80*	
01 22 23 00-1024	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,735.97	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1025	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,598.38	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1026	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	56,371.75	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,398.77*	
01 22 23 00-1027	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,943.39	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1028	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,192.26	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1029	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	61,157.77	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,590.21*	
01 22 23 00-1030	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,150.82	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1031	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,786.14	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1032	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	65,943.78	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-1,781.65*	
01 22 23 00-1033	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,834.95	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1034	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,238.83	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1035	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	73,291.65	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-2,075.57*	
01 22 23 00-1036	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	10,041.63	
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1037	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,231.51	
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1038	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	118,287.16	
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-3,875.39*	

01 22 23 00-1039 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0967)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1040	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,577.38	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-1041	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,329.35	
		For Equipment Without Operator, Deduct	*-4,836.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1042	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,167.63	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-128.46*	
01 22 23 00-1043	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,641.60	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-1044	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,473.86	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-1045	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,488.77	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-141.30*	
01 22 23 00-1046	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,625.55	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-1047	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,546.12	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-1048	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,970.48	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-160.57*	
01 22 23 00-1049	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,810.20	
		For Equipment Without Operator, Deduct	*-967.21*	
01 22 23 00-1050	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,027.83	
		For Equipment Without Operator, Deduct	*-4,836.05*	
01 22 23 00-1051	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,094.47	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For >6 Months (>26 Weeks) , Deduct	*-205.53*	

01 22 23 00-1052 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0967)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1053	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,363.82	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*79.32*	
01 22 23 00-1054	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,919.09	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*216.61*	
01 22 23 00-1055	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,435.03	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*495.76*	
		For >6 Months (>26 Weeks) , Deduct	*-99.15*	
01 22 23 00-1056	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,384.69	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*83.50*	
01 22 23 00-1057	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,976.10	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*228.01*	
01 22 23 00-1058	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,565.49	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*521.85*	
		For >6 Months (>26 Weeks) , Deduct	*-104.37*	
01 22 23 00-1059	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,497.09	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*105.98*	
01 22 23 00-1060	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,289.21	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*290.63*	
01 22 23 00-1061	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,288.06	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*666.37*	
		For >6 Months (>26 Weeks) , Deduct	*-133.27*	
01 22 23 00-1062	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,558.99	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*118.36*	
01 22 23 00-1063	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,262.39	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*285.27*	
01 22 23 00-1064	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,506.91	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*710.14*	
		For >6 Months (>26 Weeks) , Deduct	*-142.03*	

01 22 23 00-1065 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0967)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1066	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,304.41	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*67.44*	
01 22 23 00-1067	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,606.79	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*154.15*	
01 22 23 00-1068	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,802.79	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*369.31*	
		For >6 Months (>26 Weeks) , Deduct	*-73.86*	
01 22 23 00-1069	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,312.44	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*69.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1070	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,630.87	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*158.96*	
01 22 23 00-1071	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,858.98	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*380.55*	
		For >6 Months (>26 Weeks) , Deduct	*-76.11*	
01 22 23 00-1072	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,481.03	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*102.76*	
01 22 23 00-1073	WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,000.18	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*232.83*	
01 22 23 00-1074	MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,766.21	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*562.00*	
		For >6 Months (>26 Weeks) , Deduct	*-112.40*	
01 22 23 00-1075	DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,497.09	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*105.98*	
01 22 23 00-1076	WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,136.67	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*260.12*	
01 22 23 00-1077	MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,247.91	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*658.34*	
		For >6 Months (>26 Weeks) , Deduct	*-131.67*	
01 22 23 00-1078	DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,641.60	
		For Equipment Without Operator, Deduct	*-967.21*	
		For Propane Instead Of Gas Or Diesel, Add	*134.88*	
01 22 23 00-1079	WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,369.49	
		For Equipment Without Operator, Deduct	*-4,836.05*	
		For Propane Instead Of Gas Or Diesel, Add	*306.69*	
01 22 23 00-1080	MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,649.34	
		For Equipment Without Operator, Deduct	*-20,956.23*	
		For Propane Instead Of Gas Or Diesel, Add	*738.62*	
		For >6 Months (>26 Weeks) , Deduct	*-147.72*	

01 22 23 00-1081 Chain Hoists *(01 22 23 00-0967)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1082	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
01 22 23 00-1083	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1084	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks) , Deduct	*-3.86*	
01 22 23 00-1085	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
01 22 23 00-1086	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1087	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks) , Deduct	*-9.26*	
01 22 23 00-1088	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
01 22 23 00-1089	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1090	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks) , Deduct	*-13.52*	
01 22 23 00-1091	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
01 22 23 00-1092	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1093	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks) , Deduct	*-25.04*	
01 22 23 00-1094	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
01 22 23 00-1095	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1096	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks) , Deduct	*-26.29*	
01 22 23 00-1097	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
01 22 23 00-1098	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1099	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks) , Deduct	*-28.80*	

01 22 23 00-1100 Roof Swing Hoist *(01 22 23 00-0967)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1101	DAY	Up To 400 Lbs, Manual Swing Roof Hoist	100.36	
01 22 23 00-1102	WK	Up To 400 Lbs, Manual Swing Roof Hoist	351.26	
01 22 23 00-1103	MO	Up To 400 Lbs, Manual Swing Roof Hoist	1,204.32	
		For >6 Months (>26 Weeks) , Deduct	*-48.17*	

01 22 23 00-1104 Truck Mounted Digger Derrick *(01 22 23 00-0967)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1105	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	1,676.85	
		For Equipment Without Operator, Deduct	*-987.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1106	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,006.17	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1107	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	26,914.83	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-220.50*	
01 22 23 00-1108	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,818.48	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1109	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,431.06	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1110	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,047.86	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-265.82*	
01 22 23 00-1111	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,693.66	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-987.80*	
01 22 23 00-1112	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	10,056.61	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-4,939.02*	
01 22 23 00-1113	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	35,049.32	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-21,402.42*	
		For >6 Months (>26 Weeks) , Deduct	*-545.88*	

01 22 23 00-1114 Pumping Equipment *(01 22 23)*

01 22 23 00-1115 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1139 for larger diameter pumps.

01 22 23 00-1116	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	75.67
01 22 23 00-1117	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	170.25
01 22 23 00-1118	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	454.01
		For >6 Months (>26 Weeks) , Deduct	*-18.16*
01 22 23 00-1119	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	90.80
01 22 23 00-1120	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	204.30
01 22 23 00-1121	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	544.81
		For >6 Months (>26 Weeks) , Deduct	*-21.79*

01 22 23 00-1122 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1123	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	87.02
01 22 23 00-1124	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	245.92
01 22 23 00-1125	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	624.26
		For >6 Months (>26 Weeks) , Deduct	*-24.97*
01 22 23 00-1126	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	105.94
01 22 23 00-1127	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	283.76
01 22 23 00-1128	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	803.97
		For >6 Months (>26 Weeks) , Deduct	*-32.16*

01 22 23 00-1129 Gas Powered Portable Trash Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1130	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	109.72
01 22 23 00-1131	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	227.00
01 22 23 00-1132	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	681.01
		For >6 Months (>26 Weeks) , Deduct	*-27.24*
01 22 23 00-1133	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	109.72
01 22 23 00-1134	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	293.21
01 22 23 00-1135	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	803.97
		For >6 Months (>26 Weeks) , Deduct	*-32.16*
01 22 23 00-1136	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	174.04
01 22 23 00-1137	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	491.84
01 22 23 00-1138	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,428.23
		For >6 Months (>26 Weeks) , Deduct	*-57.13*

01 22 23 00-1139 Diesel Powered Portable Trash Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1140	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	340.51
01 22 23 00-1141	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	926.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1142	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,038.78	
		For >6 Months (>26 Weeks) , Deduct	*-161.55*	
01 22 23 00-1143	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	520.22	
01 22 23 00-1144	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,362.02	
01 22 23 00-1145	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,622.61	
		For >6 Months (>26 Weeks) , Deduct	*-144.90*	
01 22 23 00-1146	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	707.50	
01 22 23 00-1147	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,893.59	
01 22 23 00-1148	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,065.97	
		For >6 Months (>26 Weeks) , Deduct	*-202.64*	
01 22 23 00-1149	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	915.58	
01 22 23 00-1150	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,336.14	
01 22 23 00-1151	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	6,866.87	
		For >6 Months (>26 Weeks) , Deduct	*-274.67*	

01 22 23 00-1152 Diesel Powered Portable High Head Trash Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1153	DAY	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	454.01	
01 22 23 00-1154	WK	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,021.52	
01 22 23 00-1155	MO	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	2,724.05	
		For >6 Months (>26 Weeks) , Deduct	*-108.96*	
01 22 23 00-1156	DAY	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	681.01	
01 22 23 00-1157	WK	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,821.71	
01 22 23 00-1158	MO	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,107.59	
		For >6 Months (>26 Weeks) , Deduct	*-204.30*	
01 22 23 00-1159	DAY	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	832.35	
01 22 23 00-1160	WK	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,872.78	
01 22 23 00-1161	MO	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	4,994.09	
		For >6 Months (>26 Weeks) , Deduct	*-199.76*	

01 22 23 00-1162 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1163	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	486.17	
01 22 23 00-1164	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,106.64	
01 22 23 00-1165	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,450.46	
		For >6 Months (>26 Weeks) , Deduct	*-138.02*	
01 22 23 00-1166	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	595.89	
01 22 23 00-1167	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,484.98	
01 22 23 00-1168	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,038.78	
		For >6 Months (>26 Weeks) , Deduct	*-161.55*	
01 22 23 00-1169	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	718.85	
01 22 23 00-1170	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,126.27	
01 22 23 00-1171	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	5,930.48	
		For >6 Months (>26 Weeks) , Deduct	*-237.22*	
01 22 23 00-1172	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,082.05	
01 22 23 00-1173	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,763.77	
01 22 23 00-1174	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,115.39	
		For >6 Months (>26 Weeks) , Deduct	*-324.62*	

01 22 23 00-1175 3 Phase Electric Submersible Pumps *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1176	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	189.17	
01 22 23 00-1177	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	472.92	
01 22 23 00-1178	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,418.78	
		For >6 Months (>26 Weeks) , Deduct	*-56.75*	
01 22 23 00-1179	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	249.70	
01 22 23 00-1180	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	624.26	
01 22 23 00-1181	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,872.78	
		For >6 Months (>26 Weeks) , Deduct	*-74.91*	

01 22 23 00-1182 Suction Hose With Couplings *(01 22 23 00-1114)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1183	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	5.76	
01 22 23 00-1184	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	14.40	
01 22 23 00-1185	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	44.16	
		For >6 Months (>26 Weeks) , Deduct	*-1.77*	
01 22 23 00-1186	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	15.36	
01 22 23 00-1187	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	39.36	
01 22 23 00-1188	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	120.00	
		For >6 Months (>26 Weeks) , Deduct	*-4.80*	
01 22 23 00-1189	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	23.04	
01 22 23 00-1190	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	58.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1191	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	177.60	
		For >6 Months (>26 Weeks) , Deduct	*-7.10*	
01 22 23 00-1192	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	28.80	
01 22 23 00-1193	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	72.00	
01 22 23 00-1194	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	211.20	
		For >6 Months (>26 Weeks) , Deduct	*-8.45*	
01 22 23 00-1195	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	67.20	
01 22 23 00-1196	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	172.80	
01 22 23 00-1197	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	508.80	
		For >6 Months (>26 Weeks) , Deduct	*-20.35*	
01 22 23 00-1198	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	90.24	
01 22 23 00-1199	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	196.80	
01 22 23 00-1200	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	590.40	
		For >6 Months (>26 Weeks) , Deduct	*-23.62*	
01 22 23 00-1201		**Discharge Hose With Couplings** *(01 22 23 00-1114)*		
		Note: Includes delivery, set-up, and removal.		
01 22 23 00-1202	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.76	
01 22 23 00-1203	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.40	
01 22 23 00-1204	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	44.16	
		For >6 Months (>26 Weeks) , Deduct	*-1.77*	
01 22 23 00-1205	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.72	
01 22 23 00-1206	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.32	
01 22 23 00-1207	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	50.88	
		For >6 Months (>26 Weeks) , Deduct	*-2.04*	
01 22 23 00-1208	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.68	
01 22 23 00-1209	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	19.20	
01 22 23 00-1210	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	58.56	
		For >6 Months (>26 Weeks) , Deduct	*-2.34*	
01 22 23 00-1211	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.16	
01 22 23 00-1212	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	51.84	
01 22 23 00-1213	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	148.80	
		For >6 Months (>26 Weeks) , Deduct	*-5.95*	
01 22 23 00-1214	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	24.96	
01 22 23 00-1215	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	68.16	
01 22 23 00-1216	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	187.20	
		For >6 Months (>26 Weeks) , Deduct	*-7.49*	
01 22 23 00-1217	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	19.20	
01 22 23 00-1218	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	48.00	
01 22 23 00-1219	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	144.00	
		For >6 Months (>26 Weeks) , Deduct	*-5.76*	
01 22 23 00-1220	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	48.96	
01 22 23 00-1221	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	124.80	
01 22 23 00-1222	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	369.60	
		For >6 Months (>26 Weeks) , Deduct	*-14.78*	
01 22 23 00-1223		**Hydraulic Submersible Pumps** *(01 22 23 00-1114)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1224		**Hydraulic Submersible Pumps** *(01 22 23 00-1223)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1225	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	124.85	
01 22 23 00-1226	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	334.83	
01 22 23 00-1227	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	936.39	
		For >6 Months (>26 Weeks) , Deduct	*-37.46*	
01 22 23 00-1228	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	158.90	
01 22 23 00-1229	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	408.61	
01 22 23 00-1230	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,248.52	
		For >6 Months (>26 Weeks) , Deduct	*-49.94*	
01 22 23 00-1231		**Hydraulic Submersible Pump Diesel Power Packs** *(01 22 23 00-1223)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1232	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	288.48	
01 22 23 00-1233	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	860.72	
01 22 23 00-1234	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,270.04	
		For >6 Months (>26 Weeks) , Deduct	*-90.80*	
01 22 23 00-1235		**HDPE Pipe With Couplings** *(01 22 23 00-1114)*		
		Note: Includes delivery, set-up, and removal.		
01 22 23 00-1236	DAY	4" x 50' HDPE Pipe With Couplings	12.10	
01 22 23 00-1237	WK	4" x 50' HDPE Pipe With Couplings	29.03	
01 22 23 00-1238	MO	4" x 50' HDPE Pipe With Couplings	89.52	
		For >6 Months (>26 Weeks) , Deduct	*-3.58*	
01 22 23 00-1239	DAY	6" x 50' HDPE Pipe With Couplings	19.36	
01 22 23 00-1240	WK	6" x 50' HDPE Pipe With Couplings	48.39	
01 22 23 00-1241	MO	6" x 50' HDPE Pipe With Couplings	147.58	
		For >6 Months (>26 Weeks) , Deduct	*-5.90*	
01 22 23 00-1242	DAY	8" x 50' HDPE Pipe With Couplings	31.45	
01 22 23 00-1243	WK	8" x 50' HDPE Pipe With Couplings	82.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1244	MO	8" x 50' HDPE Pipe With Couplings	244.36	
		For >6 Months (>26 Weeks) , Deduct	*-9.77*	
01 22 23 00-1245	DAY	10" x 50' HDPE Pipe With Couplings	38.71	
01 22 23 00-1246	WK	10" x 50' HDPE Pipe With Couplings	99.20	
01 22 23 00-1247	MO	10" x 50' HDPE Pipe With Couplings	302.42	
		For >6 Months (>26 Weeks) , Deduct	*-12.10*	
01 22 23 00-1248	DAY	12" x 20' HDPE Pipe With Couplings	29.03	
01 22 23 00-1249	WK	12" x 20' HDPE Pipe With Couplings	79.84	
01 22 23 00-1250	MO	12" x 20' HDPE Pipe With Couplings	241.94	
		For >6 Months (>26 Weeks) , Deduct	*-9.68*	
01 22 23 00-1251	DAY	4" Elbow For HDPE Pipe, Quick Connect	29.03	
01 22 23 00-1252	WK	4" Elbow For HDPE Pipe, Quick Connect	75.00	
01 22 23 00-1253	MO	4" Elbow For HDPE Pipe, Quick Connect	222.58	
		For >6 Months (>26 Weeks) , Deduct	*-8.90*	
01 22 23 00-1254	DAY	6" Elbow For HDPE Pipe, Quick Connect	33.87	
01 22 23 00-1255	WK	6" Elbow For HDPE Pipe, Quick Connect	87.10	
01 22 23 00-1256	MO	6" Elbow For HDPE Pipe, Quick Connect	266.13	
		For >6 Months (>26 Weeks) , Deduct	*-10.65*	
01 22 23 00-1257	DAY	8" Elbow For HDPE Pipe, Quick Connect	38.71	
01 22 23 00-1258	WK	8" Elbow For HDPE Pipe, Quick Connect	99.20	
01 22 23 00-1259	MO	8" Elbow For HDPE Pipe, Quick Connect	302.42	
		For >6 Months (>26 Weeks) , Deduct	*-12.10*	
01 22 23 00-1260	DAY	10" Elbow For HDPE Pipe, Quick Connect	48.39	
01 22 23 00-1261	WK	10" Elbow For HDPE Pipe, Quick Connect	123.39	
01 22 23 00-1262	MO	10" Elbow For HDPE Pipe, Quick Connect	375.01	
		For >6 Months (>26 Weeks) , Deduct	*-15.00*	
01 22 23 00-1263	DAY	12" Elbow For HDPE Pipe, Quick Connect	48.39	
01 22 23 00-1264	WK	12" Elbow For HDPE Pipe, Quick Connect	123.39	
01 22 23 00-1265	MO	12" Elbow For HDPE Pipe, Quick Connect	375.01	
		For >6 Months (>26 Weeks) , Deduct	*-15.00*	
01 22 23 00-1266	DAY	4" Tee For HDPE Pipe, Quick Connect	29.03	
01 22 23 00-1267	WK	4" Tee For HDPE Pipe, Quick Connect	75.00	
01 22 23 00-1268	MO	4" Tee For HDPE Pipe, Quick Connect	222.58	
		For >6 Months (>26 Weeks) , Deduct	*-8.90*	
01 22 23 00-1269	DAY	6" Tee For HDPE Pipe, Quick Connect	38.71	
01 22 23 00-1270	WK	6" Tee For HDPE Pipe, Quick Connect	99.20	
01 22 23 00-1271	MO	6" Tee For HDPE Pipe, Quick Connect	302.42	
		For >6 Months (>26 Weeks) , Deduct	*-12.10*	
01 22 23 00-1272	DAY	8" Tee For HDPE Pipe, Quick Connect	48.39	
01 22 23 00-1273	WK	8" Tee For HDPE Pipe, Quick Connect	123.39	
01 22 23 00-1274	MO	8" Tee For HDPE Pipe, Quick Connect	375.01	
		For >6 Months (>26 Weeks) , Deduct	*-15.00*	
01 22 23 00-1275	DAY	10" Tee For HDPE Pipe, Quick Connect	58.07	
01 22 23 00-1276	WK	10" Tee For HDPE Pipe, Quick Connect	147.58	
01 22 23 00-1277	MO	10" Tee For HDPE Pipe, Quick Connect	447.59	
		For >6 Months (>26 Weeks) , Deduct	*-17.90*	
01 22 23 00-1278	DAY	12" Tee For HDPE Pipe, Quick Connect	58.07	
01 22 23 00-1279	WK	12" Tee For HDPE Pipe, Quick Connect	147.58	
01 22 23 00-1280	MO	12" Tee For HDPE Pipe, Quick Connect	447.59	
		For >6 Months (>26 Weeks) , Deduct	*-17.90*	
01 22 23 00-1281	DAY	4" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1282	WK	4" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1283	MO	4" Cap For HDPE Pipe, Quick Connect	43.55	
		For >6 Months (>26 Weeks) , Deduct	*-1.74*	
01 22 23 00-1284	DAY	6" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1285	WK	6" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1286	MO	6" Cap For HDPE Pipe, Quick Connect	43.55	
		For >6 Months (>26 Weeks) , Deduct	*-1.74*	
01 22 23 00-1287	DAY	8" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1288	WK	8" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1289	MO	8" Cap For HDPE Pipe, Quick Connect	43.55	
		For >6 Months (>26 Weeks) , Deduct	*-1.74*	
01 22 23 00-1290	DAY	10" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1291	WK	10" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1292	MO	10" Cap For HDPE Pipe, Quick Connect	43.55	
		For >6 Months (>26 Weeks) , Deduct	*-1.74*	
01 22 23 00-1293	DAY	12" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1294	WK	12" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1295	MO	12" Cap For HDPE Pipe, Quick Connect	43.55	
		For >6 Months (>26 Weeks) , Deduct	*-1.74*	
01 22 23 00-1296	DAY	4" Wye For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1297	WK	4" Wye For HDPE Pipe, Quick Connect	36.29	
01 22 23 00-1298	MO	4" Wye For HDPE Pipe, Quick Connect	111.29	
		For >6 Months (>26 Weeks) , Deduct	*-4.45*	
01 22 23 00-1299	DAY	6" Wye For HDPE Pipe, Quick Connect	16.94	
01 22 23 00-1300	WK	6" Wye For HDPE Pipe, Quick Connect	43.55	
01 22 23 00-1301	MO	6" Wye For HDPE Pipe, Quick Connect	133.07	
		For >6 Months (>26 Weeks) , Deduct	*-5.32*	
01 22 23 00-1302	DAY	8" Wye For HDPE Pipe, Quick Connect	29.03	
01 22 23 00-1303	WK	8" Wye For HDPE Pipe, Quick Connect	75.00	
01 22 23 00-1304	MO	8" Wye For HDPE Pipe, Quick Connect	222.58	
		For >6 Months (>26 Weeks) , Deduct	*-8.90*	
01 22 23 00-1305	DAY	10" Wye For HDPE Pipe, Quick Connect	43.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1306	WK	10" Wye For HDPE Pipe, Quick Connect	111.29	
01 22 23 00-1307	MO	10" Wye For HDPE Pipe, Quick Connect	338.72	
		For >6 Months (>26 Weeks) , Deduct	*-13.55*	
01 22 23 00-1308	DAY	12" Wye For HDPE Pipe, Quick Connect	43.55	
01 22 23 00-1309	WK	12" Wye For HDPE Pipe, Quick Connect	111.29	
01 22 23 00-1310	MO	12" Wye For HDPE Pipe, Quick Connect	338.72	
		For >6 Months (>26 Weeks) , Deduct	*-13.55*	

01 22 23 00-1311 Temporary Building Services *(01 22 23)*

01 22 23 00-1312 Boilers *(01 22 23 00-1311)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1313 Electric Boilers *(01 22 23 00-1312)*

01 22 23 00-1314	MO	40 MBH, 12 KW Electric Boiler Rental	2,596.99	
01 22 23 00-1315	MO	60 MBH, 20 KW Electric Boiler Rental	2,833.12	
01 22 23 00-1316	MO	95 MBH, 30 KW Electric Boiler Rental	2,951.18	
01 22 23 00-1317	MO	135 MBH, 40 KW Electric Boiler Rental	3,305.26	
01 22 23 00-1318	MO	165 MBH, 50 KW Electric Boiler Rental	4,603.76	
01 22 23 00-1319	MO	215 MBH, 60 KW Electric Boiler Rental	5,312.05	
01 22 23 00-1320	MO	365 MBH, 100 KW Electric Boiler Rental	6,964.74	
01 22 23 00-1321	MO	510 MBH, 150 KW Electric Boiler Rental	8,499.35	

01 22 23 00-1322 Oil/Gas Fired Boilers *(01 22 23 00-1312)*

01 22 23 00-1323	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,479.00	
01 22 23 00-1324	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,222.70	
01 22 23 00-1325	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,205.90	
01 22 23 00-1326	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,189.10	

01 22 23 00-1327 Oil Fired Boilers *(01 22 23 00-1312)*

01 22 23 00-1328	MO	250 HP Oil Fired Boiler Rental	7,293.67	
01 22 23 00-1329	MO	350 HP Oil Fired Boiler Rental	9,724.90	
01 22 23 00-1330	MO	500 HP Oil Fired Boiler Rental	12,156.12	
01 22 23 00-1331	MO	600 HP Oil Fired Boiler Rental	13,371.73	

01 22 23 00-1332 Boilers Setup *(01 22 23 00-1312)*

01 22 23 00-1333	EA	Setup Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	7,774.26	

01 22 23 00-1334 Chillers *(01 22 23 00-1311)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1335 Air Cooled Chillers *(01 22 23 00-1334)*

01 22 23 00-1336	MO	25 Ton Air Cooled Chiller Rental	2,494.67	
		For >3 To 6 Month Rental, Deduct	*-374.20*	
		For >6 Month Rental, Deduct	*-623.67*	
01 22 23 00-1337	MO	40 Ton Air Cooled Chiller Rental	3,991.48	
		For >3 To 6 Month Rental, Deduct	*-598.72*	
		For >6 Month Rental, Deduct	*-997.87*	
01 22 23 00-1338	MO	60 Ton Air Cooled Chiller Rental	4,882.03	
		For >3 To 6 Month Rental, Deduct	*-732.30*	
		For >6 Month Rental, Deduct	*-1,220.51*	
01 22 23 00-1339	MO	80 Ton Air Cooled Chiller Rental	5,772.58	
		For >3 To 6 Month Rental, Deduct	*-865.89*	
		For >6 Month Rental, Deduct	*-1,443.15*	
01 22 23 00-1340	MO	100 Ton Air Cooled Chiller Rental	6,663.13	
		For >3 To 6 Month Rental, Deduct	*-999.47*	
		For >6 Month Rental, Deduct	*-1,665.78*	
01 22 23 00-1341	MO	125 Ton Air Cooled Chiller Rental	7,719.37	
		For >3 To 6 Month Rental, Deduct	*-1,157.91*	
		For >6 Month Rental, Deduct	*-1,929.84*	
01 22 23 00-1342	MO	155 Ton Air Cooled Chiller Rental	9,338.54	
		For >3 To 6 Month Rental, Deduct	*-1,400.78*	
		For >6 Month Rental, Deduct	*-2,334.64*	
01 22 23 00-1343	MO	170 Ton Air Cooled Chiller Rental	9,986.22	
		For >3 To 6 Month Rental, Deduct	*-1,497.93*	
		For >6 Month Rental, Deduct	*-2,496.56*	
01 22 23 00-1344	MO	200 Ton Air Cooled Chiller Rental	11,471.73	
		For >3 To 6 Month Rental, Deduct	*-1,720.76*	
		For >6 Month Rental, Deduct	*-2,867.93*	
01 22 23 00-1345	MO	250 Ton Air Cooled Chiller Rental	13,650.10	
		For >3 To 6 Month Rental, Deduct	*-2,047.52*	
		For >6 Month Rental, Deduct	*-3,412.53*	
01 22 23 00-1346	MO	300 Ton Air Cooled Chiller Rental Note: Includes trailer.	15,928.25	
		For >3 To 6 Month Rental, Deduct	*-2,389.24*	
		For >6 Month Rental, Deduct	*-3,982.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1347	MO	400 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,011.74	
		For >3 To 6 Month Rental, Deduct	*-3,151.76*	
		For >6 Month Rental, Deduct	*-5,252.94*	
01 22 23 00-1348	MO	500 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,008.61	
		For >3 To 6 Month Rental, Deduct	*-3,901.29*	
		For >6 Month Rental, Deduct	*-6,502.15*	
01 22 23 00-1349	EA	Setup Air Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,404.06	

01 22 23 00-1350 Chiller Rental Accessories *(01 22 23 00-1334)*

01 22 23 00-1351	MO	4" x 25' Flexible Water Hose For Chiller Rental	44.45	
01 22 23 00-1352	MO	6" x 25' Flexible Water Hose For Chiller Rental	55.56	

01 22 23 00-1353 Cooling Tower *(01 22 23 00-1311)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1354	MO	100 Ton Cooling Tower Rental	2,289.28	
		For >3 To 6 Months Rental, Deduct	*-343.39*	
		For >6 Months Rental, Deduct	*-572.32*	
01 22 23 00-1355	MO	200 Ton Cooling Tower Rental	4,167.38	
		For >3 To 6 Months Rental, Deduct	*-625.11*	
		For >6 Months Rental, Deduct	*-1,041.85*	
01 22 23 00-1356	MO	250 Ton Cooling Tower Rental	4,719.36	
		For >3 To 6 Months Rental, Deduct	*-707.90*	
		For >6 Months Rental, Deduct	*-1,179.84*	
01 22 23 00-1357	MO	300 Ton Cooling Tower Rental	5,334.24	
		For >3 To 6 Months Rental, Deduct	*-800.14*	
		For >6 Months Rental, Deduct	*-1,333.56*	
01 22 23 00-1358	MO	400 Ton Cooling Tower Rental	6,667.80	
		For >3 To 6 Months Rental, Deduct	*-1,000.17*	
		For >6 Months Rental, Deduct	*-1,666.95*	
01 22 23 00-1359	MO	500 Ton Cooling Tower Rental	7,795.80	
		For >3 To 6 Months Rental, Deduct	*-1,169.37*	
		For >6 Months Rental, Deduct	*-1,948.95*	
01 22 23 00-1360	MO	Setup Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,404.06	

01 22 23 00-1361 Emergency Cooler/Freezer *(01 22 23 00-1311)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1362	DAY	8 x 6 x 7 Emergency Cooler Rental	142.47	
01 22 23 00-1363	WK	8 x 6 x 7 Emergency Cooler Rental	759.84	
01 22 23 00-1364	DAY	10 x 7 x 7 Emergency Cooler Rental	284.94	
01 22 23 00-1365	WK	10 x 7 x 7 Emergency Cooler Rental	1,139.76	
01 22 23 00-1366	MO	10 x 7 x 7 Emergency Cooler Rental	2,849.40	
01 22 23 00-1367	DAY	10 x 7 x 7 Emergency Freezer Rental	332.43	
01 22 23 00-1368	WK	10 x 7 x 7 Emergency Freezer Rental	1,329.72	
01 22 23 00-1369	MO	10 x 7 x 7 Emergency Freezer Rental	3,419.28	
01 22 23 00-1370	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	379.92	
01 22 23 00-1371	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,519.68	
01 22 23 00-1372	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,799.20	

01 22 23 00-1373 Fuel Oil Tank *(01 22 23 00-1311)*

Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0825 for reimbursable fuel fees.

01 22 23 00-1374	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	433.92	
		For >6 Months (>26 Weeks) , Deduct	*-17.36*	
01 22 23 00-1375	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	674.98	
		For >6 Months (>26 Weeks) , Deduct	*-27.00*	
01 22 23 00-1376	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,687.46	
		For >6 Months (>26 Weeks) , Deduct	*-67.50*	
01 22 23 00-1377	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,812.42	
		For >6 Months (>26 Weeks) , Deduct	*-112.50*	
01 22 23 00-1378	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,712.40	
		For >6 Months (>26 Weeks) , Deduct	*-148.50*	
01 22 23 00-1379	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,631.97	
		For >6 Months (>26 Weeks) , Deduct	*-265.28*	

01 22 23 00-1380 Portable Spot Cooling Units *(01 22 23 00-1311)*

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

01 22 23 00-1381	DAY	1 Ton Portable Spot Cooling Unit	196.86	
01 22 23 00-1382	WK	1 Ton Portable Spot Cooling Unit	426.52	
01 22 23 00-1383	MO	1 Ton Portable Spot Cooling Unit	1,008.26	
		For >6 Months (>26 Weeks) , Deduct	*-40.33*	
01 22 23 00-1384	DAY	1.5 Ton Portable Spot Cooling Unit	257.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1385	WK	1.5 Ton Portable Spot Cooling Unit	528.74	
01 22 23 00-1386	MO	1.5 Ton Portable Spot Cooling Unit	1,240.45	
		For >6 Months (>26 Weeks) , Deduct	*-49.62*	
01 22 23 00-1387	DAY	2 Ton Portable Spot Cooling Unit	347.02	
01 22 23 00-1388	WK	2 Ton Portable Spot Cooling Unit	725.59	
01 22 23 00-1389	MO	2 Ton Portable Spot Cooling Unit	1,343.92	
		For >6 Months (>26 Weeks) , Deduct	*-53.76*	
01 22 23 00-1390	DAY	3 Ton Portable Spot Cooling Unit	363.43	
01 22 23 00-1391	WK	3 Ton Portable Spot Cooling Unit	769.76	
01 22 23 00-1392	MO	3 Ton Portable Spot Cooling Unit	1,701.04	
		For >6 Months (>26 Weeks) , Deduct	*-68.04*	
01 22 23 00-1393	DAY	5 Ton Portable Spot Cooling Unit	567.86	
01 22 23 00-1394	WK	5 Ton Portable Spot Cooling Unit	1,148.33	
01 22 23 00-1395	MO	5 Ton Portable Spot Cooling Unit	2,386.25	
		For >6 Months (>26 Weeks) , Deduct	*-95.45*	
01 22 23 00-1396	DAY	10 To 12 Ton Portable Spot Cooling Unit	742.00	
01 22 23 00-1397	WK	10 To 12 Ton Portable Spot Cooling Unit	1,672.02	
01 22 23 00-1398	MO	10 To 12 Ton Portable Spot Cooling Unit	4,035.56	
		For >6 Months (>26 Weeks) , Deduct	*-161.42*	
01 22 23 00-1399	DAY	20 Ton Portable Spot Cooling Unit	851.78	
01 22 23 00-1400	WK	20 Ton Portable Spot Cooling Unit	1,955.94	
01 22 23 00-1401	MO	20 Ton Portable Spot Cooling Unit	5,451.41	
		For >6 Months (>26 Weeks) , Deduct	*-218.06*	
01 22 23 00-1402	DAY	25 Ton Portable Spot Cooling Unit	1,211.42	
01 22 23 00-1403	WK	25 Ton Portable Spot Cooling Unit	2,454.40	
01 22 23 00-1404	MO	25 Ton Portable Spot Cooling Unit	5,710.10	
		For >6 Months (>26 Weeks) , Deduct	*-228.40*	
01 22 23 00-1405	EA	Setup Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	273.40	
01 22 23 00-1406	EA	Setup Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	625.77	
01 22 23 00-1407	EA	Setup Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	908.13	
01 22 23 00-1408		Air Handling Unit (AHU) *(01 22 23 00-1311)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1409		Air Handling Unit (AHU) *(01 22 23 00-1408)*		
01 22 23 00-1410	MO	5,000 CFM Air Handling Unit Rental	2,943.52	
		For >6 Months (>26 Weeks) , Deduct	*-117.74*	
01 22 23 00-1411	MO	10,000 CFM Air Handling Unit Rental	3,043.68	
		For >6 Months (>26 Weeks) , Deduct	*-121.75*	
01 22 23 00-1412	MO	25,000 CFM Air Handling Unit Rental	5,001.77	
		For >6 Months (>26 Weeks) , Deduct	*-200.07*	
01 22 23 00-1413		Air Handling Unit Setup *(01 22 23 00-1408)*		
01 22 23 00-1414	EA	Setup Rental Air Handling Unit Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,039.07	
01 22 23 00-1415	MO	12" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	288.06	
01 22 23 00-1416	MO	20" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	348.31	
01 22 23 00-1417		Truck And Trailer Equipment *(01 22 23)*		
01 22 23 00-1418		Trucks *(01 22 23 00-1417)* Note: Includes driver, delivery, and removal.		
01 22 23 00-1419		Flat Bed Trucks *(01 22 23 00-1418)* Note: Includes hydraulic tilt bed.		
01 22 23 00-1420	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,047.66	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1421	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,538.74	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1422	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	18,274.09	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-77.91*	
01 22 23 00-1423	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,174.85	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1424	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,864.67	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1425	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,108.78	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-111.29*	
01 22 23 00-1426	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,266.11	
		For Equipment Without Operator, Deduct	*-753.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1427	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,213.50	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1428	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,436.35	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-164.40*	

01 22 23 00-1429 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1418)*

01 22 23 00-1430	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	300.82	
01 22 23 00-1431	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	695.64	
01 22 23 00-1432	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,504.08	
		For >6 Months (>26 Weeks) , Deduct	*-60.16*	
01 22 23 00-1433	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	310.22	
01 22 23 00-1434	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	723.84	
01 22 23 00-1435	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,598.08	
		For >6 Months (>26 Weeks) , Deduct	*-63.92*	

01 22 23 00-1436 Light Duty Trucks *(01 22 23 00-1418)*

01 22 23 00-1437	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,048.29	
		For Equipment Without Operator, Deduct	*-749.04*	
01 22 23 00-1438	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,727.10	
		For Equipment Without Operator, Deduct	*-3,745.19*	
01 22 23 00-1439	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	18,286.48	
		For Equipment Without Operator, Deduct	*-16,229.15*	
		For >6 Months (>26 Weeks) , Deduct	*-82.29*	
01 22 23 00-1440	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	1,104.40	
		For Equipment Without Operator, Deduct	*-749.04*	
01 22 23 00-1441	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	4,895.42	
		For Equipment Without Operator, Deduct	*-3,745.19*	
01 22 23 00-1442	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	18,660.54	
		For Equipment Without Operator, Deduct	*-16,229.15*	
		For >6 Months (>26 Weeks) , Deduct	*-97.26*	

01 22 23 00-1443 Boom Trucks *(01 22 23 00-1418)*

01 22 23 00-1444	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,301.25	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1445	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,193.78	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1446	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	19,943.48	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-144.68*	

01 22 23 00-1447 Rear Dump Trucks *(01 22 23 00-1418)*

01 22 23 00-1448	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,145.23	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1449	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,802.24	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1450	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	19,494.11	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-126.71*	
01 22 23 00-1451	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver	1,275.09	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1452	WK	4 CY Rear Dump Truck With Full-Time Truck Driver	5,204.58	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1453	MO	4 CY Rear Dump Truck With Full-Time Truck Driver	20,051.86	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-149.02*	
01 22 23 00-1454	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver	1,349.59	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1455	WK	6 CY Rear Dump Truck With Full-Time Truck Driver	5,364.24	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1456	MO	6 CY Rear Dump Truck With Full-Time Truck Driver	20,158.30	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-153.27*	
01 22 23 00-1457	DAY	13 CY Rear Dump Truck With Full-Time Truck Driver	2,233.05	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1458	WK	13 CY Rear Dump Truck With Full-Time Truck Driver	7,184.36	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1459	MO	13 CY Rear Dump Truck With Full-Time Truck Driver	25,267.42	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-357.64*	
01 22 23 00-1460	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,381.00	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1461	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,526.04	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1462	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,161.52	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-393.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1463 Under-Bridge Inspection Trucks *(01 22 23 00-1418)*

01 22 23 00-1464	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	4,586.36	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1465	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	20,859.99	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1466	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	76,914.82	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-2,423.53*	
01 22 23 00-1467	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,104.31	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1468	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	21,895.89	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1469	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	80,823.74	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-2,579.89*	
01 22 23 00-1470	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,415.08	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1471	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	23,449.74	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1472	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	84,732.68	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-2,736.25*	
01 22 23 00-1473	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	6,761.75	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1474	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	29,665.14	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1475	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	104,277.31	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-3,518.03*	

01 22 23 00-1476 Vacuum Trucks *(01 22 23 00-1418)*

01 22 23 00-1477	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,141.72	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1478	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	4,924.59	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1479	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	19,744.02	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-136.70*	
01 22 23 00-1480	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,222.40	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1481	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,191.29	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1482	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,380.26	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-522.15*	

01 22 23 00-1483 Water Trucks *(01 22 23 00-1418)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1201 for additional discharge hose, 01 22 23 00-1522 for water trailer.

01 22 23 00-1484	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,438.57	
		For Equipment Without Operator, Deduct	*-753.53*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
01 22 23 00-1485	WK	2,000 Gallon Water Truck With Full-Time Driver	5,571.57	
		For Equipment Without Operator, Deduct	*-3,767.64*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
01 22 23 00-1486	MO	2,000 Gallon Water Truck With Full-Time Driver	20,588.90	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
		For >6 Months (>26 Weeks) , Deduct	*-170.50*	
01 22 23 00-1487	DAY	2,500 To 3,000 Gal Water Truck With Full-Time Operator	1,560.35	
		For Equipment Without Operator, Deduct	*-753.53*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
01 22 23 00-1488	WK	2,500 To 3,000 Gal Water Truck With Full-Time Operator	6,416.44	
		For Equipment Without Operator, Deduct	*-3,767.64*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
01 22 23 00-1489	MO	2,500 To 3,000 Gal Water Truck With Full-Time Operator	22,925.63	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
		For >6 Months (>26 Weeks) , Deduct	*-263.97*	
01 22 23 00-1490	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	1,773.47	
		For Equipment Without Operator, Deduct	*-753.53*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
01 22 23 00-1491	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	6,576.28	
		For Equipment Without Operator, Deduct	*-3,767.64*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
01 22 23 00-1492	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Driver	23,176.81	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.51*	
		For >6 Months (>26 Weeks) , Deduct	*-274.01*	

01 22 23 00-1493 Asphalt Distribution Trucks *(01 22 23 00-1418)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1494	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,116.07	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1495	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	7,837.78	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1496	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	28,358.82	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-481.29*	
01 22 23 00-1497		**Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board** *(01 22 23 00-1418)*		
01 22 23 00-1498	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	2,053.55	
		For Equipment Without Operator, Deduct	*-749.04*	
01 22 23 00-1499	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	7,595.15	
		For Equipment Without Operator, Deduct	*-3,745.19*	
01 22 23 00-1500	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	25,578.63	
		For Equipment Without Operator, Deduct	*-16,229.15*	
		For >6 Months (>26 Weeks) , Deduct	*-373.98*	
01 22 23 00-1501		**Combination Jet/Vacuum Trucks** *(01 22 23 00-1418)*		
01 22 23 00-1502	DAY	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,223.12	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1503	WK	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	15,328.28	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1504	DAY	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,654.05	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1505	WK	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	17,835.16	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1506	DAY	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	4,068.41	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1507	WK	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	20,342.04	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1508		**Vacuum Sweeper Trucks For Bridge Decks** *(01 22 23 00-1418)*		
01 22 23 00-1509	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	2,222.40	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1510	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	8,191.29	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1511	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	29,380.26	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-522.15*	
01 22 23 00-1512		**Straight/Box Trucks** *(01 22 23 00-1418)*		
01 22 23 00-1513	DAY	18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 LB lift gate.	879.13	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1514	WK	18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 LB lift gate.	4,395.65	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1515	MO	18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 LB lift gate.	18,180.28	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-74.15*	
01 22 23 00-1516		**Truck Mounted Accessories** *(01 22 23 00-1417)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1517		**Truck Mounted Arrow Boards** *(01 22 23 00-1516)*		
01 22 23 00-1518	DAY	Truck Mounted Arrow Board	55.92	
01 22 23 00-1519	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1520	MO	Truck Mounted Arrow Board	792.98	
		For >6 Months (>26 Weeks) , Deduct	*-31.72*	
01 22 23 00-1521		**Trailers** *(01 22 23 00-1417)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1522		**Water Trailers With Pump** *(01 22 23 00-1521)*		
01 22 23 00-1523	DAY	500 To 600 Gallon Water Trailer With Pump	175.06	
01 22 23 00-1524	WK	500 To 600 Gallon Water Trailer With Pump	449.08	
01 22 23 00-1525	MO	500 To 600 Gallon Water Trailer With Pump	1,202.62	
		For >6 Months (>26 Weeks) , Deduct	*-48.10*	
01 22 23 00-1526		**Refrigerated Trailers** *(01 22 23 00-1521)* Note: Excludes electrical supply and connection		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1527	MO	8' x 40' Refrigerated Container Trailer Note: Requires 460 volt, 3 phase electrcial power connection. See CSI section 10 56 13 00-0000 for metal storage shelving, 26 05 00 00-0000 for electrical wiring.	2,097.36	

01 22 23 00-1528 Trailer Mounted Equipment *(01 22 23 00-1417)*

01 22 23 00-1529 Trailer Mounted Under-Bridge Aerial Access Platform *(01 22 23 00-1528)*
Note: Includes full-time operator. Excludes truck.

01 22 23 00-1530	DAY	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	2,900.67	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1531	WK	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	10,209.05	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1532	MO	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	34,219.28	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-715.71*	
01 22 23 00-1533	DAY	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	3,115.38	
		For Equipment Without Operator, Deduct	*-753.53*	
01 22 23 00-1534	WK	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	10,853.20	
		For Equipment Without Operator, Deduct	*-3,767.64*	
01 22 23 00-1535	MO	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	36,008.56	
		For Equipment Without Operator, Deduct	*-16,326.46*	
		For >6 Months (>26 Weeks) , Deduct	*-787.28*	

01 22 23 00-1536 Trailer Mounted Bridge Stripping Buggy *(01 22 23 00-1528)*

01 22 23 00-1537	DAY	Trailer Mounted Bridge Overhang Stripping Buggy	243.64	
01 22 23 00-1538	WK	Trailer Mounted Bridge Overhang Stripping Buggy	730.96	
01 22 23 00-1539	MO	Trailer Mounted Bridge Overhang Stripping Buggy	2,030.36	
		For >6 Months (>26 Weeks) , Deduct	*-81.21*	

01 22 23 00-1540 Portable Trailer Mounted, CCTV Camera Systems *(01 22 23 00-1528)*
Note: Includes trailer. Excludes truck.

01 22 23 00-1541	MO	Portable Trailer Mounted, Single Camera, CCTV Camera System	2,820.15	
		For >6 Months (>26 Weeks) , Deduct	*-112.81*	
01 22 23 00-1542	MO	Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	4,888.26	
		For >6 Months (>26 Weeks) , Deduct	*-195.53*	

01 30 Administrative Requirements *(01)*

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*
See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*
See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0065 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0029 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.62
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.24

01 35 33 Infection Control Procedures *(01 35)*
See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 35 33 00-0001 Infection Prevention Inspection Reports *(01 35 33)*

01 35 33 00-0002	HR	Infection Prevention Inspection Reports	105.00

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*
See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*
Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms Note: For specification publishing. Review specifications for requirements.	0.00

01 42 16 Definitions *(01 42)*
Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions Note: For specification publishing. Review specifications for requirements.	0.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards Note: For specification publishing. Review specifications for requirements.	0.00	

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List Note: For specification publishing. Review specifications for requirements.	0.00	

01 45 Quality Control *(01 40)*

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	343.56	
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	487.63	
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	554.12	
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	443.30	
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	664.95	
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,329.47	
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	49.86	
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	132.99	
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	332.37	
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	415.46	
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	101.23	
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	253.08	
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	506.16	

01 45 23 00-0016 Aggregate Testing *(01 45 23 00-0001)*

01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	110.82	
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	199.48	
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	277.06	
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	164.50	
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	176.08	
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	157.87	
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	234.78	
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	221.65	
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	221.65	
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	166.24	
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229	177.32	
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88	465.31	
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211	354.64	
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535	354.64	
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29	99.74	
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40	99.71	
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method	99.71	
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142	199.42	

01 45 23 00-0035 Permeability Tests *(01 45 23 00-0001)*

01 45 23 00-0036 In-Place Tests *(01 45 23 00-0035)*

01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,760.85	
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	83.09	

01 45 23 00-0039 Lab Tests *(01 45 23 00-0035)*

01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	821.73	
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	821.73	
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	469.56	

01 45 23 00-0043 Concrete/Cement/Asphalt Testing *(01 45 23)*

01 45 23 00-0044 Concrete Testing *(01 45 23 00-0043)*

01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	24.91	
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	70.43	
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42	144.07	
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	210.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	77.58	
01 45 23 00-0050	EA	Concrete Mix Design Review	421.14	
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory	997.42	
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified	775.78	
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	119.69	
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143	55.41	
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	55.41	
01 45 23 00-0056		**Cement Testing** *(01 45 23 00-0043)*		
01 45 23 00-0057	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	55.41	
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	88.66	
01 45 23 00-0059		**Asphaltic Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366	110.82	
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	288.14	
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559	110.82	
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559	288.14	
01 45 23 00-0064	EA	Swell Test, CA 305 Note: Includes compaction.	132.99	
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B	332.48	
01 45 23 00-0066	EA	Gradation On Extracted Sample, ASTM D-5444	221.65	
01 45 23 00-0067	EA	Maximum Theoretical Unit Weight, ASTM C2041	211.30	
01 45 23 00-0068	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	44.33	
01 45 23 00-0069	EA	Asphalt Unit Weight On Core Test, CA 308C	44.33	
01 45 23 00-0070	HR	Nuclear Field Density Testing, 4 Hour Minimum	228.30	
01 45 23 00-0071	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	113.89	
01 45 23 00-0072	EA	Penetration, ASTM D5	160.10	
01 45 23 00-0073		**Masonry/Concrete Block/Tile Testing** *(01 45 23)*		
01 45 23 00-0074		**Masonry Testing** *(01 45 23 00-0073)*		
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	73.14	
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	73.14	
01 45 23 00-0077	EA	Masonry Cores Compression Test	144.07	
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	277.06	
01 45 23 00-0079		**Concrete Block Testing (ASTM C140 Or CMA Per Specimen)** *(01 45 23 00-0073)*		
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	177.32	
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	121.91	
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	465.31	
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	232.66	
01 45 23 00-0084		**Metals Testing** *(01 45 23)*		
01 45 23 00-0085		**Tank Tightness Testing** *(01 45 23 00-0084)*		
01 45 23 00-0086	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	8.04	
01 45 23 00-0087	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	6.89	
01 45 23 00-0088	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,068.07	
01 45 23 00-0089	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,526.82	
01 45 23 00-0090	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,218.02	
01 45 23 00-0091		**Tank Line Tightness Testing** *(01 45 23 00-0084)*		
01 45 23 00-0092	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	436.37	
01 45 23 00-0093	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	484.55	
01 45 23 00-0094	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	532.55	
01 45 23 00-0095		**Other Testing** *(01 45 23)*		
01 45 23 00-0096		**Special Testing** *(01 45 23 00-0095)*		
01 45 23 00-0097	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight	166.18	
01 45 23 00-0098	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	997.10	
01 45 23 00-0099	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	51.80	
01 45 23 00-0100	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	214.85	
01 45 23 00-0101	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	214.85	
01 45 23 00-0102	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	214.85	
01 45 23 00-0103	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,181.68	
01 45 23 00-0104	EA	Testing And Certification Of Backflow Valves	534.37	
01 45 23 00-0105		**Non-destructive Field Testing Services** *(01 45 23 00-0095)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0106		**Infrared Thermography** *(01 45 23 00-0105)* Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0107		**Roof Investigation And Moisture Survey Using Infrared Thermography** *(01 45 23 00-0106)* Note: For on the roof surveys.		
01 45 23 00-0108	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,867.30	
01 45 23 00-0109	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.45	
		For CADD Drawings, Add	*1.29*	
01 45 23 00-0110	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.30	
		For CADD Drawings, Add	*0.86*	
01 45 23 00-0111	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.22	
		For CADD Drawings, Add	*0.64*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.81*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.81*	
01 45 23 00-0112	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.15	
		For CADD Drawings, Add	*0.43*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.54*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.54*	
01 45 23 00-0113		**Building Moisture Investigation Using Infrared Thermography** *(01 45 23 00-0106)* Note: For finding moisture in walls and windows.		
01 45 23 00-0114	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,041.08	
01 45 23 00-0115	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.45	
		For Digital Or Analog Recording Of All Items, Add	*3.23*	
01 45 23 00-0116	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.30	
		For Digital Or Analog Recording Of All Items, Add	*2.15*	
01 45 23 00-0117	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.15	
		For Digital Or Analog Recording Of All Items, Add	*1.08*	
01 45 23 00-0118		**General Building Investigation Using Infrared Thermography** *(01 45 23 00-0106)* Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0119	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,189.58	
01 45 23 00-0120	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.45	
		For Digital Or Analog Recording Of All Items, Add	*3.23*	
01 45 23 00-0121	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.30	
		For Digital Or Analog Recording Of All Items, Add	*2.15*	
01 45 23 00-0122	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.15	
		For Digital Or Analog Recording Of All Items, Add	*1.08*	
01 45 23 00-0123		**Electrical /Mechanical Equipment Scanning Using Infrared Thermography** *(01 45 23 00-0106)* Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0124	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,041.08	
01 45 23 00-0125	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	221.84	
		For Digital Or Analog Recording Of All Items, Add	*33.20*	
01 45 23 00-0126		**Concrete Block Wall Investigation Using Infrared Thermography** *(01 45 23 00-0106)* Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0127	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,041.08	
01 45 23 00-0128	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.45	
		For Digital Or Analog Recording Of All Items, Add	*0.97*	
01 45 23 00-0129	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.30	
		For Digital Or Analog Recording Of All Items, Add	*0.65*	
01 45 23 00-0130		**Other Non-destructive Field Testing Services** *(01 45 23 00-0105)*		
01 45 23 00-0131	HR	ASNT Certified Level I NDT Consultant	73.25	
01 45 23 00-0132	HR	ASNT Certified Level II NDT Consultant	81.68	
01 45 23 00-0133	HR	ASNT Certified Level III NDT Consultant	94.98	
01 45 23 00-0134	HR	Certified Industrial Radiography Radiation Safety Personnel	113.95	
01 45 29		**Testing Laboratory Services** *(01 45)* Note: For application to existing materials/site conditions or additional testing over specifications stated tests.		
01 45 29 00-0001		**Soil Borings Laboratory Tests** *(01 45 29)*		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	152.61	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	48.69	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	117.39	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	821.73	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	128.83	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	35.22	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	21.88	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	282.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	98.48	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	19.48	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	973.77	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	196.96	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	243.44	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	450.63	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	498.71	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	146.07	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	162.29	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	348.32	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	74.66	

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001 Temporary Power Pole Rentals *(01 51 13)*

Note: Includes installation in ground and removal after use.

01 51 13 00-0002	MON	17' To 35' Temporary Wood Power Pole Rental For 100 Amperes Service	90.93	
01 51 13 00-0003	MON	17' To 35' Temporary Wood Power Pole Rental For 200 Amperes Service	109.11	
01 51 13 00-0004	EA	Power Installation For 100 Amperes Service Note: One time fee	909.26	
01 51 13 00-0005	EA	Power Installation For 200 Amperes Service Note: One time fee	1,091.11	

01 51 13 00-0006 Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*

Note: Includes all connections and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,577.53	
01 51 13 00-0008	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,448.15	
01 51 13 00-0009	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,488.17	
01 51 13 00-0010	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,371.80	

01 51 13 00-0011 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*

Note: Includes mounting on wall and removal after use.

01 51 13 00-0012	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,633.83	
01 51 13 00-0013	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,284.11	
01 51 13 00-0014	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,573.01	
01 51 13 00-0015	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,083.58	

01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards *(01 51 13)*

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0017	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	11.83	
01 51 13 00-0018	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	12.96	

01 51 26 Temporary Lighting *(01 51)*

01 51 26 00-0001 Temporary Lighting Devices *(01 51 26)*

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	298.74	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	108.82	
01 51 26 00-0004	EA	Temporary High Bay Light	410.30	

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0030 for anchors for holding down portable buildings and structures where required.

01 52 13 Field Offices and Sheds *(01 52)*

01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Excludes furniture, utility connections and service. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	188.83	
		For Each Delivery And Removal, Two Round Trips, Add	*1,254.69*	
		For Each Set-Up (Block And Level), Add	*440.31*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
		For Office Trailer Without Toilet, Deduct	*-37.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	214.01	
		For Each Delivery And Removal, Two Round Trips, Add	*1,254.69*	
		For Each Set-Up (Block And Level), Add	*440.31*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
		For Office Trailer Without Toilet, Deduct	*-42.80*	
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	289.54	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
		For Office Trailer Without Toilet, Deduct	*-57.91*	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	308.43	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
		For Office Trailer Without Toilet, Deduct	*-61.69*	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	339.90	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	358.78	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	277.58	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
		For Each Delivery And Removal, Two Round Trips, Add	*753.44*	
		For Each Set-Up (Block And Level), Add	*579.35*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	371.12	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	421.72	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	459.49	
		For Each Delivery And Removal, Two Round Trips, Add	*1,882.04*	
		For Each Set-Up (Block And Level), Add	*718.39*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,007.10	
		For Each Delivery And Removal, Two Round Trips, Add	*3,764.08*	
		For Each Set-Up (Block And Level), Add	*1,158.70*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,208.52	
		For Each Delivery And Removal, Two Round Trips, Add	*3,764.08*	
		For Each Set-Up (Block And Level), Add	*1,158.70*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	574.36	
		For Each Delivery And Removal, Two Round Trips, Add	*3,764.08*	
		For Each Set-Up (Block And Level), Add	*1,158.70*	
		For Each Anchoring Into Dirt, Add	*134.27*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*201.40*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	57.18	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	35.74	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	42.88	
01 52 13 00-0019	MO	Table For Field Office Trailer	28.59	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	13.54	
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	157.24	
01 52 13 00-0022	MO	Local Phone Service Per Phone Line For Field Office Trailer	100.06	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	180.17	
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.12	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	38.17	
01 52 13 00-0026	MO	Fax Machine For Field Office Trailer	71.47	
01 52 13 00-0027	MO	Copier For Field Office Trailer	114.36	
01 52 13 00-0028	MO	Steps For Field Office Trailer	47.00	

01 52 13 00-0029 Storage Containers *(01 52 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0030	MO	8' x 8' x 10' Storage Container	175.49	
		For Each Delivery And Removal, Two Round Trips, Add	*130.18*	
		For >12 Months, Deduct	*-52.65*	
01 52 13 00-0031	MO	8' x 8' x 20' Storage Container	183.47	
		For Each Delivery And Removal, Two Round Trips, Add	*143.20*	
		For >12 Months, Deduct	*-55.04*	
01 52 13 00-0032	MO	8' x 8' x 40' Storage Container	216.97	
		For Each Delivery And Removal, Two Round Trips, Add	*288.40*	
		For >12 Months, Deduct	*-65.09*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

01 52 19 00-0002	WK	Portable Chemical Toilet	70.82	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0003	MO	Portable Chemical Toilet	212.45	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	84.47	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	247.86	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0006	WK	Two Station Portable Handwash	54.79	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0007	MO	Two Station Portable Handwash	166.19	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0008	WK	Four Station Portable Handwash	64.46	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0009	MO	Four Station Portable Handwash	195.51	
		For Each Delivery And Set-up, Add	*42.49*	
01 52 19 00-0010	MO	6 Station, Portable Toilets, Multi Trailer	4,685.40	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,199.81*	
01 52 19 00-0011	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,044.02	
		For One Additonal Service Per Week, Add	*681.34*	
		Note: For one less service per week, UOM to be negative one (-1)		
01 52 19 00-0012	MO	34' Length, ADA Restroom Trailer With 950 Gal Waste Tank	5,839.75	
		Note: Includes women's: 3 toilets, 2 sinks; men's: 1 toilet, 2 urinals, 2 sinks; ADA: 1 toilet, 1 sink. Requires 3/4" water source, and four 20 amperes/110 voltage dedicated circuits.		
		For Delivery, Setup, Removal, Add Once	*861.61*	
		For Weekly Service Of Toilet Trailer, Add Per Month	*873.90*	

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	7.73	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	31.21	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	14.90	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	25.42	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.50	0.47

01 54 Construction Aids *(01 50)*

01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	
		Note: For specification publishing. Review specifications for requirements.		

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0001		**Scaffolding** *(01 54 23)* Note: Additional scaffolding rental for work above the normal working height.		
01 54 23 00-0002		**Scaffolding Rental - Rental Only** *(01 54 23 00-0001)* Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)	31.45	
		For Up To 25, Add	*12.58*	
		For >25 To 50, Add	*7.86*	
		For >50 To 150, Add	*3.15*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	35.37	
		For Up To 25, Add	*14.15*	
		For >25 To 50, Add	*8.84*	
		For >50 To 150, Add	*3.54*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)	47.18	
		For Up To 25, Add	*18.87*	
		For >25 To 50, Add	*11.80*	
		For >50 To 150, Add	*4.72*	
01 54 23 00-0006		**Scaffolding Erection And Dismantling - Labor Only** *(01 54 23 00-0001)* Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	45.05	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	59.07	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	78.83	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	86.72	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	99.86	
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	63.07	
01 54 23 00-0013		**Heavy Duty Masonry Scaffolding Rental - Rental Only** *(01 54 23 00-0001)* Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0014	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	68.38	
01 54 23 00-0015	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	125.37	
01 54 23 00-0016	LF	Aluminum Joists (LF / Month)	11.12	
01 54 23 00-0017	LF	Aluminum Stringers (LF / Month)	15.94	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers (EA / Month)	20.09	
01 54 23 00-0019		**Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only** *(01 54 23 00-0001)* Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.		
01 54 23 00-0020	CCF	Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	84.09	
01 54 23 00-0021	CCF	>20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	105.11	
01 54 23 00-0022	CCF	>40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	126.14	
01 54 23 00-0023	CCF	>60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	136.65	
01 54 23 00-0024	CCF	>80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	152.42	
01 54 23 00-0025		**Scaffolding Accessories** *(01 54 23 00-0001)* See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	40.25	
01 54 23 00-0027		**Mobile Mast Climbing Scaffolding** *(01 54 23)* Note: Per month.		
01 54 23 00-0028		**Fraco FRSM ACT Solution Single Mast, Mast Climbing Scaffolding Per Month** *(01 54 23 00-0027)*		
01 54 23 00-0029	MO	Single Mast Climber, 175' High Mast x 35' Wide Platform	3,300.00	
01 54 23 00-0030	EA	Delivery/Pick-up Fee For Single Mast Climber Note: Excludes erection or dismantle.	2,400.00	
01 54 23 00-0031	EA	Erection For Single Mast Climber	3,000.00	
01 54 23 00-0032	EA	Dismantle For Single Mast Climber	2,500.00	
01 54 23 00-0033	SF	Additional Scaffolding Planks, Wood, 2"	0.93	
01 54 23 00-0034		**Rolling Scaffolding** *(01 54 23)* Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0035	DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	11.65	
01 54 23 00-0036	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	46.69	
01 54 23 00-0037	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	186.74	
01 54 23 00-0038	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	19.50	
01 54 23 00-0039	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	78.12	
01 54 23 00-0040	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	312.52	
01 54 23 00-0041	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	121.44	
01 54 23 00-0042	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	151.79	

01 54 23 00-0043 Shoring Posts *(01 54 23)*

01 54 23 00-0044	DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	2.09	
01 54 23 00-0045	WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	8.35	
01 54 23 00-0046	MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	25.06	
01 54 23 00-0047	DAY	Up To 7', 1" Diameter, Steel Cross Brace	1.95	
01 54 23 00-0048	WK	Up To 7', 1" Diameter, Steel Cross Brace	3.90	
01 54 23 00-0049	MO	Up To 7', 1" Diameter, Steel Cross Brace	7.80	
01 54 23 00-0050	DAY	>7' To 10', 1" Diameter, Steel Cross Brace	2.82	
01 54 23 00-0051	WK	>7' To 10', 1" Diameter, Steel Cross Brace	5.64	
01 54 23 00-0052	MO	>7' To 10', 1" Diameter, Steel Cross Brace	11.28	
01 54 23 00-0053	MO	2' Wide Shoring Frame With Adjustable Screw Jacks	12.22	
01 54 23 00-0054	MO	4' Wide Shoring Frame With Adjustable Screw Jacks	15.98	
01 54 23 00-0055	LF	1-5/8" Diameter, Steel Tube And Clamp Bracing (Per LF/Month)	7.52	
01 54 23 00-0056	LF	6-1/2" Deep, Aluminum Joist Shoring (Per LF/Month)	4.88	
01 54 23 00-0057	LF	7-1/4" Deep, Aluminum Stringer Shoring (Per LF/Month)	4.88	
01 54 23 00-0058	CCF	Shoring Posts And Frames Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	57.82	
01 54 23 00-0059	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.72	
		For >20 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-3.40*	
		For >100, Deduct	*-5.35*	

01 54 23 00-0060 Temporary Lumber, Single Use *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0061	SF	5/16" CD Grade Plywood, Temporary Lumber	2.42	
01 54 23 00-0062	SF	1/2" CD Grade Plywood, Temporary Lumber	2.78	
01 54 23 00-0063	SF	5/8" CD Grade Plywood, Temporary Lumber	3.10	
01 54 23 00-0064	SF	3/4" CD Grade Plywood, Temporary Lumber	3.44	
01 54 23 00-0065	SF	1" CD Grade Plywood, Temporary Lumber	5.16	
01 54 23 00-0066	LF	2" x 4" Temporary Lumber	2.99	
01 54 23 00-0067	LF	2" x 6" Temporary Lumber	3.79	
01 54 23 00-0068	LF	2" x 8" Temporary Lumber	4.60	
01 54 23 00-0069	LF	2" x 10" Temporary Lumber	5.41	
01 54 23 00-0070	LF	2" x 12" Temporary Lumber	6.22	
01 54 23 00-0071	LF	3" x 8" Temporary Lumber	6.22	
01 54 23 00-0072	LF	3" x 10" Temporary Lumber	7.43	
01 54 23 00-0073	LF	3" x 12" Temporary Lumber	8.64	
01 54 23 00-0074	LF	4" x 4" Temporary Lumber	4.07	
01 54 23 00-0075	LF	4" x 6" Temporary Lumber	5.84	
01 54 23 00-0076	LF	6" x 6" Temporary Lumber	7.61	
01 54 23 00-0077	LF	6" x 8" Temporary Lumber	9.90	
01 54 23 00-0078	LF	12" x 12" Temporary Lumber	24.32	

01 54 23 00-0079 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0080	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	121.01	
01 54 23 00-0081	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	151.26	
01 54 23 00-0082	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	195.90	

01 54 26 Temporary Swing Staging *(01 54)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage *(01 54 26)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,005.64	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,155.92	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,306.20	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,456.49	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,606.77	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,757.05	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	3,907.33	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	866.71	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,083.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	5,176.72	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	7,193.93	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,722.03	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,791.40	

01 55 Vehicular Access and Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*
Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	2.82	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.61	

01 55 23 00-0004 Rumble Trench Plate *(01 55 23)*

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	401.44	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	103.17	
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	25.79	

01 55 23 00-0008 Temporary Road Ramps (Godwin) *(01 55 23)*
Note: Excludes asphalt and gravel.

01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	4,947.14	230.61
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	6,738.07	345.91
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,309.15	461.22
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	19,291.76	576.52
01 55 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	28,299.17	691.83

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*
Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.39
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.48

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*
Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	5.45
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	7.38
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	9.23

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*
Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	2.42
		For Not Removed, Deduct	*-1.68*
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	3.19
		For Not Removed, Deduct	*-2.27*
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	3.99
		For Not Removed, Deduct	*-2.87*

01 55 26 00-0012 Temporary Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0013	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.65
01 55 26 00-0014	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	13.72
01 55 26 00-0015	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.65
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.51
01 55 26 00-0017	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.29
01 55 26 00-0018	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	15.14
01 55 26 00-0019	CLF	1" Exterior Vinyl Tape (Warning Tape)	12.37
01 55 26 00-0020	CLF	2" Exterior Vinyl Tape (Warning Tape)	16.99
01 55 26 00-0021	CLF	3" Exterior Vinyl Tape (Warning Tape)	20.91
01 55 26 00-0022	CLF	4" Exterior Vinyl Tape (Warning Tape)	24.43

01 55 26 00-0023 Linear Delineation System, Temporary Or Permanent *(01 55 26)*
Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0024	LF	4" Linear Delineation System	11.51	
01 55 26 00-0025	LF	6" Linear Delineation System	15.52	
01 55 26 00-0026		**Temporary Traffic Protection** *(01 55 26)*		
01 55 26 00-0027		**Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0026)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0142 for delivery, placing and removal.		
01 55 26 00-0028	DAY	28" Cone With Reflective Collar	0.86	
01 55 26 00-0029	WK	28" Cone With Reflective Collar	2.59	
01 55 26 00-0030	MO	28" Cone With Reflective Collar	7.76	
01 55 26 00-0031	DAY	36" Traffic Cone With Reflective Collar	1.08	
01 55 26 00-0032	WK	36" Traffic Cone With Reflective Collar	3.23	
01 55 26 00-0033	MO	36" Traffic Cone With Reflective Collar	9.70	
01 55 26 00-0034	DAY	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	2.03	
01 55 26 00-0035	WK	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	6.09	
01 55 26 00-0036	MO	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post	18.27	
01 55 26 00-0037	DAY	Vertical Panel	2.60	
01 55 26 00-0038	WK	Vertical Panel	7.81	
01 55 26 00-0039	MO	Vertical Panel	23.43	
01 55 26 00-0040	DAY	Channelizer Drum	2.83	
01 55 26 00-0041	WK	Channelizer Drum	8.48	
01 55 26 00-0042	MO	Channelizer Drum	25.44	
01 55 26 00-0043	DAY	Stackable Channelizer Panel	1.34	
01 55 26 00-0044	WK	Stackable Channelizer Panel	4.01	
01 55 26 00-0045	MO	Stackable Channelizer Panel	12.03	
01 55 26 00-0046	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.85	
01 55 26 00-0047	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.55	
01 55 26 00-0048	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	16.66	
01 55 26 00-0049	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.10	
01 55 26 00-0050	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.31	
01 55 26 00-0051	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	36.92	
01 55 26 00-0052	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.68	
01 55 26 00-0053	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.03	
01 55 26 00-0054	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	42.08	
01 55 26 00-0055	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.55	
01 55 26 00-0056	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	25.66	
01 55 26 00-0057	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	76.97	
01 55 26 00-0058	DAY	Up To 10' Wide A Frame Barricade	4.69	
01 55 26 00-0059	WK	Up To 10' Wide A Frame Barricade	14.07	
01 55 26 00-0060	MO	Up To 10' Wide A Frame Barricade	42.21	
01 55 26 00-0061	DAY	Type A Or C Flasher	0.96	
01 55 26 00-0062	WK	Type A Or C Flasher	2.87	
01 55 26 00-0063	MO	Type A Or C Flasher	8.60	
01 55 26 00-0064	DAY	Type B Flasher (High Intensity)	5.19	
01 55 26 00-0065	WK	Type B Flasher (High Intensity)	15.56	
01 55 26 00-0066	MO	Type B Flasher (High Intensity)	46.67	
01 55 26 00-0067		**Temporary Traffic Barriers Usage** *(01 55 26 00-0026)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0142 for delivery, placing and removal.		
01 55 26 00-0068	DAY	6' Long Portable Parking Curbs	2.23	
01 55 26 00-0069	WK	6' Long Portable Parking Curbs	6.70	
01 55 26 00-0070	MO	6' Long Portable Parking Curbs	20.10	
01 55 26 00-0071	DAY	6' Long Portable Speed Bumps	6.61	
01 55 26 00-0072	WK	6' Long Portable Speed Bumps	19.83	
01 55 26 00-0073	MO	6' Long Portable Speed Bumps	59.49	
01 55 26 00-0074	DAY	Up To 12.5' Concrete Traffic Barrier	15.88	
01 55 26 00-0075	WK	Up To 12.5' Concrete Traffic Barrier	47.64	
01 55 26 00-0076	MO	Up To 12.5' Concrete Traffic Barrier	142.92	
01 55 26 00-0077	DAY	>12.5' To 20' Concrete Traffic Barrier	31.76	
01 55 26 00-0078	WK	>12.5' To 20' Concrete Traffic Barrier	95.28	
01 55 26 00-0079	MO	>12.5' To 20' Concrete Traffic Barrier	285.85	
01 55 26 00-0080	DAY	6' x 32" Tall Plastic Water Barrier	18.96	
01 55 26 00-0081	WK	6' x 32" Tall Plastic Water Barrier	56.89	
01 55 26 00-0082	MO	6' x 32" Tall Plastic Water Barrier	170.68	
01 55 26 00-0083	DAY	6' x 46" Tall Plastic Water Barrier	27.08	
01 55 26 00-0084	WK	6' x 46" Tall Plastic Water Barrier	81.24	
01 55 26 00-0085	MO	6' x 46" Tall Plastic Water Barrier	243.71	
01 55 26 00-0086	DAY	Sand Filled Crash Attenuator Barrels	10.60	
01 55 26 00-0087	WK	Sand Filled Crash Attenuator Barrels	31.80	
01 55 26 00-0088	MO	Sand Filled Crash Attenuator Barrels	95.39	
01 55 26 00-0089	MO	Rolling Straight Concrete Barrier, Per Each Barrier Per Month	3,521.70	
01 55 26 00-0090	MO	Rolling Absorbing Concrete Barrier, Per Each Barrier Per Month	1,408.68	
01 55 26 00-0091	MO	Rolling Transition Concrete Barrier, Per Each Barrier Per Month	375.65	
01 55 26 00-0092	EA	2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide Note: Includes delivery, pickup and two months rental.	6,446.05	
01 55 26 00-0093	MO	2 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 2 (44 MPH), 24" Wide Note: Rental rate after 1st two months.	621.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0094	EA	5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide Note: Includes delivery, pickup and two months rental.	7,700.88	
01 55 26 00-0095	MO	5 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (62 MPH), 24" Wide Note: Rental rate after 1st two months.	932.31	
01 55 26 00-0096	EA	8 Bay, Non-Gating, Redirective Crash Cushion System, Test Level 3 (71 MPH), 24" Wide Note: Includes delivery, pickup and two months rental.	9,370.06	
01 55 26 00-0097	MO	8 Bay, Non-Gating, Redirective Crash Cushion System, 71 MPH, 24" Wide Note: Rental rate after 1st two months.	1,139.49	
01 55 26 00-0098	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	1,504.08	
01 55 26 00-0099		Temporary Portable Signs And Message Displays Usage *(01 55 26 00-0026)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0142 for delivery, placing and removal.		
01 55 26 00-0100	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.32	
01 55 26 00-0101	WK	Mesh Or Vinyl Roll-up Sign With Stand	24.96	
01 55 26 00-0102	MO	Mesh Or Vinyl Roll-up Sign With Stand	74.89	
01 55 26 00-0103	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	4.24	
01 55 26 00-0104	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	12.73	
01 55 26 00-0105	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	38.19	
01 55 26 00-0106	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	5.16	
01 55 26 00-0107	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	15.47	
01 55 26 00-0108	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	46.40	
01 55 26 00-0109	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.78	
01 55 26 00-0110	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	14.35	
01 55 26 00-0111	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	43.04	
01 55 26 00-0112	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.46	
01 55 26 00-0113	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	16.39	
01 55 26 00-0114	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	49.16	
01 55 26 00-0115	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	6.07	
01 55 26 00-0116	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	18.22	
01 55 26 00-0117	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	54.67	
01 55 26 00-0118	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	6.69	
01 55 26 00-0119	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	20.06	
01 55 26 00-0120	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	60.18	
01 55 26 00-0121	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	10.31	
01 55 26 00-0122	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	30.94	
01 55 26 00-0123	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	92.81	
01 55 26 00-0124	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	11.08	
01 55 26 00-0125	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	33.23	
01 55 26 00-0126	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	99.70	
01 55 26 00-0127	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.84	
01 55 26 00-0128	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	35.53	
01 55 26 00-0129	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	106.59	
01 55 26 00-0130	DAY	Aluminum Sign And Post	4.14	
01 55 26 00-0131	WK	Aluminum Sign And Post	12.41	
01 55 26 00-0132	MO	Aluminum Sign And Post	37.22	
01 55 26 00-0133	DAY	Trailer Mounted Flashing Arrow Board	200.00	
01 55 26 00-0134	WK	Trailer Mounted Flashing Arrow Board	553.57	
01 55 26 00-0135	MO	Trailer Mounted Flashing Arrow Board	1,464.27	
01 55 26 00-0136	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	275.67	
01 55 26 00-0137	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	735.12	
01 55 26 00-0138	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,470.24	
01 55 26 00-0139	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,415.54	
01 55 26 00-0140	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,246.62	
01 55 26 00-0141	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	12,739.86	
01 55 26 00-0142		Place And Remove Temporary Traffic Protection Using Truck *(01 55 26 00-0026)* Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0048 for delivery >15 miles.		
01 55 26 00-0143	EA	Placement And Removal Of Up To 250 Cones Using Truck	4.06	
01 55 26 00-0144	EA	Placement And Removal Of >250 Cones Using Truck	3.55	
01 55 26 00-0145	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	6.70	
01 55 26 00-0146	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	5.59	
01 55 26 00-0147	EA	Placement And Removal Of Up To 250 Barricades Using Truck	10.16	
01 55 26 00-0148	EA	Placement And Removal Of >250 Barricades Using Truck	8.13	
01 55 26 00-0149	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	10.16	
01 55 26 00-0150	EA	Placement And Removal Of Portable Sign And Stand Using Truck	6.10	
01 55 26 00-0151	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	25.40	
01 55 26 00-0152	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	76.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0153	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	103.17	
		For 1 Barrier, Add	*257.93*	
		For 2 Barriers, Add	*92.85*	
		For 3 Barriers, Add	*30.95*	
01 55 26 00-0154	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	154.75	
		For 1 Barrier, Add	*386.88*	
		For 2 Barriers, Add	*139.28*	
		For 3 Barriers, Add	*46.43*	
01 55 26 00-0155	EA	Placement And Removal Of Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	58.83	
		For 1 Barrier, Add	*128.95*	
		For 2 Barriers, Add	*46.42*	
		For 3 Barriers, Add	*15.47*	
01 55 26 00-0156	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	77.38	
		For 1 Barrier, Add	*193.45*	
		For 2 Barriers, Add	*69.64*	
		For 3 Barriers, Add	*23.21*	
01 55 26 00-0157	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	567.41	
01 55 26 00-0158		Place And Remove Temporary Traffic Protection From Roadside (Daily) *(01 55 26 00-0026)*		
01 55 26 00-0159	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside	2.54	
01 55 26 00-0160	EA	Placement And Removal Of >250 Cones By Hand From Roadside	2.03	
01 55 26 00-0161	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.38	
01 55 26 00-0162	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	2.70	
01 55 26 00-0163	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	5.08	
01 55 26 00-0164	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	4.06	
01 55 26 00-0165	EA	Placement And Removal Of Portable Sign And Stand From Roadside	3.11	
01 55 26 00-0166	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	38.09	
01 55 26 00-0167	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	51.58	
01 55 26 00-0168		Place And Remove Temporary Signs For Detours *(01 55 26 00-0026)*		
01 55 26 00-0169		Temporary Reflectorized Signs For Detours *(01 55 26 00-0168)* Note: Excludes posts.		
01 55 26 00-0170		Temporary Aluminum Engineer Grade Stop Signs For Detours *(01 55 26 00-0169)*		
01 55 26 00-0171	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	88.79	
		For Hi-Intensity Grade, Add	*6.95*	
		For Diamond Grade, Add	*13.21*	
01 55 26 00-0172	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	99.56	
		For Hi-Intensity Grade, Add	*9.09*	
		For Diamond Grade, Add	*17.27*	
01 55 26 00-0173	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	106.79	
		For Hi-Intensity Grade, Add	*13.89*	
		For Diamond Grade, Add	*22.02*	
01 55 26 00-0174	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	119.94	
		For Hi-Intensity Grade, Add	*5.21*	
		For Diamond Grade, Add	*28.20*	
01 55 26 00-0175	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	149.72	
		For Hi-Intensity Grade, Add	*15.29*	
		For Diamond Grade, Add	*47.97*	
01 55 26 00-0176		Other Temporary Reflectorized Traffic Signs For Detours *(01 55 26 00-0169)* Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0177		Temporary Aluminum Engineer Grade Traffic Signs For Detours *(01 55 26 00-0176)*		
01 55 26 00-0178	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	64.07	
		For Hi-Intensity Grade, Add	*1.72*	
01 55 26 00-0179	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	66.94	
		For Hi-Intensity Grade, Add	*2.58*	
01 55 26 00-0180	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	66.94	
		For Hi-Intensity Grade, Add	*2.58*	
01 55 26 00-0181	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	69.09	
		For Hi-Intensity Grade, Add	*3.23*	
01 55 26 00-0182	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	71.25	
		For Hi-Intensity Grade, Add	*3.88*	
01 55 26 00-0183	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	79.19	
		For Hi-Intensity Grade, Add	*5.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0184	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	96.41	
		For Hi-Intensity Grade, Add	*10.33*	
01 55 26 00-0185	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	69.81	
		For Hi-Intensity Grade, Add	*3.44*	
01 55 26 00-0186	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	79.19	
		For Hi-Intensity Grade, Add	*5.17*	
01 55 26 00-0187	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	84.93	
		For Hi-Intensity Grade, Add	*6.89*	
01 55 26 00-0188	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	90.67	
		For Hi-Intensity Grade, Add	*8.61*	
01 55 26 00-0189	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	96.41	
		For Hi-Intensity Grade, Add	*10.33*	
01 55 26 00-0190	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	87.80	
		For Hi-Intensity Grade, Add	*7.75*	
01 55 26 00-0191	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	96.41	
		For Hi-Intensity Grade, Add	*10.33*	
01 55 26 00-0192	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	108.68	
		For Hi-Intensity Grade, Add	*12.92*	
01 55 26 00-0193	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	117.29	
		For Hi-Intensity Grade, Add	*15.50*	
01 55 26 00-0194	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	157.70	
		For Hi-Intensity Grade, Add	*23.25*	
01 55 26 00-0195	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	111.55	
		For Hi-Intensity Grade, Add	*13.78*	
01 55 26 00-0196	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	123.03	
		For Hi-Intensity Grade, Add	*17.22*	
01 55 26 00-0197	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	134.51	
		For Hi-Intensity Grade, Add	*20.67*	
01 55 26 00-0198	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	160.57	
		For Hi-Intensity Grade, Add	*24.11*	
01 55 26 00-0199	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	172.05	
		For Hi-Intensity Grade, Add	*27.56*	
01 55 26 00-0200	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	183.53	
		For Hi-Intensity Grade, Add	*31.00*	
01 55 26 00-0201	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	137.38	
		For Hi-Intensity Grade, Add	*21.53*	
01 55 26 00-0202	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	166.31	
		For Hi-Intensity Grade, Add	*25.83*	
01 55 26 00-0203	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	180.66	
		For Hi-Intensity Grade, Add	*30.14*	
01 55 26 00-0204	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	209.61	
		For Hi-Intensity Grade, Add	*34.45*	
01 55 26 00-0205	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	252.88	
		For Hi-Intensity Grade, Add	*43.06*	
01 55 26 00-0206	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	183.53	
		For Hi-Intensity Grade, Add	*31.00*	
01 55 26 00-0207	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	215.35	
		For Hi-Intensity Grade, Add	*36.17*	
01 55 26 00-0208	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	247.14	
		For Hi-Intensity Grade, Add	*41.33*	
01 55 26 00-0209	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	264.36	
		For Hi-Intensity Grade, Add	*46.50*	
01 55 26 00-0210	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	296.17	
		For Hi-Intensity Grade, Add	*51.67*	
01 55 26 00-0211	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	348.07	
		For Hi-Intensity Grade, Add	*62.86*	
01 55 26 00-0212	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	362.42	
		For Hi-Intensity Grade, Add	*67.17*	
01 55 26 00-0213	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	470.41	
		For Hi-Intensity Grade, Add	*93.00*	
01 55 26 00-0214	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	250.01	
		For Hi-Intensity Grade, Add	*42.20*	
01 55 26 00-0215	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	307.66	
		For Hi-Intensity Grade, Add	*55.11*	
01 55 26 00-0216	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	345.20	
		For Hi-Intensity Grade, Add	*62.00*	
01 55 26 00-0217	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	368.16	
		For Hi-Intensity Grade, Add	*68.89*	
01 55 26 00-0218	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	413.01	
		For Hi-Intensity Grade, Add	*75.78*	
01 55 26 00-0219	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	435.97	
		For Hi-Intensity Grade, Add	*82.67*	
01 55 26 00-0220	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	496.48	
		For Hi-Intensity Grade, Add	*96.45*	
01 55 26 00-0221	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	542.40	
		For Hi-Intensity Grade, Add	*110.22*	
01 55 26 00-0222	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	565.37	
		For Hi-Intensity Grade, Add	*117.11*	
01 55 26 00-0223	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	595.62	
		For Hi-Intensity Grade, Add	*124.00*	
01 55 26 00-0224	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	519.44	
		For Hi-Intensity Grade, Add	*103.34*	
01 55 26 00-0225	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	779.33	
		For Hi-Intensity Grade, Add	*179.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0226		Temporary Overhead Sign Structures For Detours *(01 55 26 00-0168)* Note: Including horizontal Z-bars.		
01 55 26 00-0227	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	
01 55 26 00-0228		Temporary Sign Posts For Detours *(01 55 26 00-0168)* Note: Excludes sign.		
01 55 26 00-0229		Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0228)* Note: Excludes digging and concrete.		
01 55 26 00-0230		Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0229)*		
01 55 26 00-0231	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	79.34	
01 55 26 00-0232	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	102.28	
01 55 26 00-0233	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	122.34	
01 55 26 00-0234	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	143.06	
01 55 26 00-0235	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	173.02	
01 55 26 00-0236	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	183.65	
01 55 26 00-0237		Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0229)*		
01 55 26 00-0238	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	83.43	
01 55 26 00-0239	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	108.77	
01 55 26 00-0240	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	137.00	
01 55 26 00-0241	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	159.27	
01 55 26 00-0242	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	184.82	
01 55 26 00-0243	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	193.91	
01 55 26 00-0244		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0229)*		
01 55 26 00-0245	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	78.38	
01 55 26 00-0246	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	100.19	
01 55 26 00-0247	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	119.81	
01 55 26 00-0248	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	140.05	
01 55 26 00-0249	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	167.55	
01 55 26 00-0250	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	180.41	
01 55 26 00-0251		Temporary Tubular Sign Posts For Detours *(01 55 26 00-0228)* Note: Excludes digging and concrete.		
01 55 26 00-0252		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0251)*		
01 55 26 00-0253	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	109.44	
01 55 26 00-0254	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	130.34	
01 55 26 00-0255	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	153.33	
01 55 26 00-0256	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	193.69	
01 55 26 00-0257	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	207.30	
01 55 26 00-0258		Temporary Square Sign Posts For Detours *(01 55 26 00-0228)* Note: Excludes digging and concrete.		
01 55 26 00-0259		Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0258)*		
01 55 26 00-0260	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	84.34	
01 55 26 00-0261	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	124.12	
01 55 26 00-0262	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	146.55	
01 55 26 00-0263	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	170.96	
01 55 26 00-0264	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	208.40	
01 55 26 00-0265	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	223.62	
01 55 26 00-0266		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0168)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0267		Temporary 2.5 LB/LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0266)*		
01 55 26 00-0268		Temporary Base Posts, 2.5 LB/LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0267)*		
01 55 26 00-0269	EA	Temporary Base Post for 2.5 LB/LF, Breakaway Sign Post For Detours	108.17	
01 55 26 00-0270	EA	Temporary Lap Splice Hardware For 2.5 LB/LF, Breakaway Sign Post For Detours	66.86	
01 55 26 00-0271		Temporary Breakaway Sign Posts, 2.5 LB/LF For Detours *(01 55 26 00-0267)*		
01 55 26 00-0272	LF	Temporary Breakaway Sign Post, 2.5 LB/LF For Detours	12.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 55 26 00-0273 Temporary 4 LB/LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0266)*

01 55 26 00-0274 Temporary Base Posts, 4 LB/LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0273)*

01 55 26 00-0275	EA	Temporary Base Post for 4 LB/LF, Breakaway Sign Post For Detours	111.55	
01 55 26 00-0276	EA	Temporary Lap Splice Hardware for 4 LB/LF, Breakaway Sign Post For Detours	66.86	

01 55 26 00-0277 Temporary Breakaway Sign Posts, 4 LB/LF For Detours *(01 55 26 00-0273)*

01 55 26 00-0278	LF	Temporary Breakaway Sign Post, 4 LB/LF For Detours	14.45	

01 55 26 00-0279 Temporary Driven Sign Posts For Detours *(01 55 26 00-0266)*

01 55 26 00-0280 Temporary Driven Posts, 2.5 LB/LF For Detours *(01 55 26 00-0279)*

01 55 26 00-0281	LF	Temporary Driven Post, 2.5 LB/LF For Detours	14.30	
		For Each Soil Plate, Add	*3.00*	

01 55 26 00-0282 Temporary Driven Posts, 4 LB/LF For Detours *(01 55 26 00-0279)*

01 55 26 00-0283	LF	Temporary Driven Post, 4 LB/LF For Detours	17.37	
		For Each Soil Plate, Add	*3.00*	

01 55 26 00-0284 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0266)*

01 55 26 00-0285 Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0284)*

Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.

01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,167.83	
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,244.53	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	853.19	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	747.27	
01 55 26 00-0290	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	847.31	
01 55 26 00-0291	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	806.11	
01 55 26 00-0292	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	751.02	

01 55 26 00-0293 Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0284)*

Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.

01 55 26 00-0294	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	421.72	
01 55 26 00-0295	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	442.19	
01 55 26 00-0296	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	459.17	
01 55 26 00-0297	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	697.20	
01 55 26 00-0298	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	61.22	
01 55 26 00-0299	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	81.63	

01 55 26 00-0300 Temporary Rumble Strips *(01 55 26)*

Note: Includes removal after use.

01 55 26 00-0301	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	13.71	
01 55 26 00-0302	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	9.90	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

01 56 16 00-0001 Temporary Sheeting For Protection *(01 56 16)*

Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.

01 56 16 00-0002	SF	4 Mil, Plastic Sheeting, Applied To Floors	0.37	
01 56 16 00-0003	SF	4 Mil, Plastic Sheeting, Applied To Walls	0.49	
01 56 16 00-0004	SF	4 Mil, Plastic Sheeting, Applied To Ceilings	0.66	
01 56 16 00-0005	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.40	
01 56 16 00-0006	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.52	
01 56 16 00-0007	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.69	
01 56 16 00-0008	SF	6 Mil, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.41	
01 56 16 00-0009	SF	6 Mil, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.53	
01 56 16 00-0010	SF	6 Mil, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.70	
01 56 16 00-0011	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.69	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.61	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.78	
01 56 16 00-0015	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.73	
01 56 16 00-0016	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.51	
01 56 16 00-0017	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.63	
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.80	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.75	
01 56 16 00-0020	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.51	
01 56 16 00-0021	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.63	
01 56 16 00-0022	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.80	
01 56 16 00-0023	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.75	
01 56 16 00-0024	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.57	
01 56 16 00-0025	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.69	
01 56 16 00-0026	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.86	
01 56 16 00-0027	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.81	
01 56 16 00-0028	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.93	
01 56 16 00-0029		**Temporary Canvas For Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0030	SF	Heavy Duty Woven Water Repellant Canvas, Applied To Walls	1.08	
01 56 16 00-0031		**Accessories For Temporary Sheeting** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0032	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	21.02	
01 56 16 00-0033	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	8.97	
01 56 16 00-0034		**Temporary Critical Barriers For Protection** *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0035	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	11.01	
01 56 16 00-0036	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	16.71	
01 56 16 00-0037	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	22.48	
01 56 16 00-0038	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	35.28	
01 56 16 00-0039		**Temporary Stud Wall** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0040		**Temporary Stud Wall With Drywall** *(01 56 16 00-0039)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0041		**Temporary Stud Wall With Drywall** *(01 56 16 00-0040)*		
01 56 16 00-0042	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.99	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0043	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.99	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0044	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.12	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0045	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.39	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0046	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.39	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0047	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.65	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	

01 56 16 00-0048 Temporary Stud Wall With Fire Rated Drywall *(01 56 16 00-0040)*

01 56 16 00-0049	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.14	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0050	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.18	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0051	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.10	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0052	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.12	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0053	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.69	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0054	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.78	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0055	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.62	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0056	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.66	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	

01 56 16 00-0057 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0039)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0058	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.81	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0059	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.87	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0060	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.03	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0061	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.11	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0062	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.05	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0063	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.16	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0064	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.47	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0065	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.64	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	

01 56 16 00-0066 Temporary Stud Wall With BC Plywood *(01 56 16 00-0039)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0067	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.19	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0068	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.39	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0069	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.64	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0070	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.81	
		For Metal Studs 24" On Center, Add/Deduct	*0.65*	
01 56 16 00-0071	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.79	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0072	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.19	
		For Metal Studs 24" On Center, Add/Deduct	*0.74*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0073		SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.69	
			For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0074		SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.04	
			For Metal Studs 24" On Center, Add/Deduct	*0.74*	
01 56 16 00-0075			**Temporary Stud Wall With Plastic Sheeting** *(01 56 16 00-0039)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0076		SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.35	
			For Metal Studs 24" On Center, Add/Deduct	*0.55*	
01 56 16 00-0077		SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.43	
			For Metal Studs 24" On Center, Add/Deduct	*0.55*	
01 56 16 00-0078		SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.45	
			For Metal Studs 24" On Center, Add/Deduct	*0.55*	
01 56 16 00-0079		SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.44	
			For Metal Studs 24" On Center, Add/Deduct	*0.55*	
01 56 16 00-0080		SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.51	
			For Metal Studs 24" On Center, Add/Deduct	*0.55*	
01 56 16 00-0081			**14' High Temporary Stud Walls** *(01 56 16 00-0039)*		
01 56 16 00-0082		LF	14' High Temporary Stud Wall Note: Includes 2" x 4" wood studs 16" O.C., with 2" x 4" top and bottom stud, 3/4" plywood on one side, 5/8" gypsum board on one side, firetaped and finished, visqueen with 2' lap welded seams, R13 insulation and caulked at top and bottom.	147.48	
01 56 16 00-0083			**Temporary Doors** *(01 56 16 00-0039)* Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0084		EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	564.68	
01 56 16 00-0085			**Temporary Floor Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0086		SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	1.66	
01 56 16 00-0087		SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	1.69	
01 56 16 00-0088		SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.00	
01 56 16 00-0089		LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	1.07	
01 56 16 00-0090		LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.36	
01 56 16 00-0091		CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	27.80	
01 56 16 00-0092		SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.78	
01 56 16 00-0093			**Sticky Mats** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0094		EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	37.98	
			For 60 Layers Instead Of 30, Add	*24.84*	
01 56 16 00-0095		EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	43.50	
			For 60 Layers Instead Of 30, Add	*28.98*	
01 56 16 00-0096		EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	43.50	
			For 60 Layers Instead Of 30, Add	*28.98*	
01 56 16 00-0097		EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	57.30	
			For 60 Layers Instead Of 30, Add	*39.33*	
01 56 16 00-0098		EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	62.82	
			For 60 Layers Instead Of 30, Add	*43.47*	
01 56 16 00-0099		EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	68.34	
			For 60 Layers Instead Of 30, Add	*47.61*	
01 56 16 00-0100		EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	137.34	
			For 60 Layers Instead Of 30, Add	*99.36*	
01 56 16 00-0101		EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	163.83	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Per ASTM A392-06 Standards

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.27	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.51*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	8.09	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	11.12	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.97*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	24.32	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.87*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.62	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.56*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.46	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	11.75	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.06*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	26.23	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-3.16*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	7.99	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	8.89	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.47	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.17*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	28.34	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.48*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.40	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.33	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	13.24	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.29*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	30.65	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.82*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	288.34	
		For Each LF Shade Cloth, Add	*16.09*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	490.65	
		For Each LF Shade Cloth, Add	*40.21*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	549.22	
		For Each LF Shade Cloth, Add	*48.26*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	625.28	
		For Each LF Shade Cloth, Add	*60.32*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	748.72	
		For Each LF Shade Cloth, Add	*80.43*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	833.66	
		For Each LF Shade Cloth, Add	*96.51*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	308.82	
		For Each LF Shade Cloth, Add	*25.64*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	530.18	
		For Each LF Shade Cloth, Add	*64.09*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	594.80	
		For Each LF Shade Cloth, Add	*76.91*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	689.60	
		For Each LF Shade Cloth, Add	*96.13*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	833.43	
		For Each LF Shade Cloth, Add	*128.18*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	946.28	
		For Each LF Shade Cloth, Add	*153.81*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	344.95	
		For Each LF Shade Cloth, Add	*36.19*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	607.99	
		For Shade Cloth, Add	*90.48*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	679.77	
		For Shade Cloth, Add	*108.57*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	778.38	
		For Shade Cloth, Add	*135.72*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	951.29	
		For Shade Cloth, Add	*180.96*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,105.01	
		For Shade Cloth, Add	*217.15*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	417.68	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	728.65	
		For Each LF Shade Cloth, Add	*119.38*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	816.32	
		For Each LF Shade Cloth, Add	*143.26*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	933.36	
		For Each LF Shade Cloth, Add	*179.07*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,140.98	
		For Each LF Shade Cloth, Add	*238.76*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,319.27	
		For Each LF Shade Cloth, Add	*286.52*	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	299.11	
		For Each LF Shade Cloth, Add	*16.09*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	507.40	
		For Each LF Shade Cloth, Add	*40.21*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	568.37	
		For Each LF Shade Cloth, Add	*48.26*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	646.82	
		For Each LF Shade Cloth, Add	*60.32*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	775.05	
		For Each LF Shade Cloth, Add	*80.43*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	862.38	
		For Each LF Shade Cloth, Add	*96.51*	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	320.08	
		For Each LF Shade Cloth, Add	*25.64*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	547.70	
		For Each LF Shade Cloth, Add	*64.09*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	614.82	
		For Each LF Shade Cloth, Add	*76.91*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	712.12	
		For Each LF Shade Cloth, Add	*96.13*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	860.96	
		For Each LF Shade Cloth, Add	*128.18*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	976.30	
		For Each LF Shade Cloth, Add	*153.81*	

01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	357.34	
		For Each LF Shade Cloth, Add	*36.19*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	627.26	
		For Shade Cloth, Add	*90.48*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	701.79	
		For Shade Cloth, Add	*108.57*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	803.15	
		For Shade Cloth, Add	*135.72*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	981.56	
		For Shade Cloth, Add	*180.96*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,138.04	
		For Shade Cloth, Add	*217.15*	

01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	433.17	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	752.73	
		For Each LF Shade Cloth, Add	*119.38*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	843.85	
		For Each LF Shade Cloth, Add	*143.26*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	964.33	
		For Each LF Shade Cloth, Add	*179.07*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,178.83	
		For Each LF Shade Cloth, Add	*238.76*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,360.56	
		For Each LF Shade Cloth, Add	*286.52*	

01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*

01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	310.42	
		For Each LF Shade Cloth, Add	*16.09*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	525.00	
		For Each LF Shade Cloth, Add	*40.21*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	588.47	
		For Each LF Shade Cloth, Add	*48.26*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	669.44	
		For Each LF Shade Cloth, Add	*60.32*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	802.70	
		For Each LF Shade Cloth, Add	*80.43*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	892.54	
		For Each LF Shade Cloth, Add	*96.51*	

01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	331.91	
		For Each LF Shade Cloth, Add	*25.64*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.09	
		For Each LF Shade Cloth, Add	*64.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	635.84	
		For Each LF Shade Cloth, Add	*76.91*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	735.77	
		For Each LF Shade Cloth, Add	*96.13*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	889.86	
		For Each LF Shade Cloth, Add	*128.18*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,007.83	
		For Each LF Shade Cloth, Add	*153.81*	
01 56 26 00-0097		8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	370.34	
		For Each LF Shade Cloth, Add	*36.19*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	647.49	
		For Shade Cloth, Add	*90.48*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	724.91	
		For Shade Cloth, Add	*108.57*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	829.17	
		For Shade Cloth, Add	*135.72*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,013.36	
		For Shade Cloth, Add	*180.96*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,172.72	
		For Shade Cloth, Add	*217.15*	
01 56 26 00-0104		10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	449.43	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	778.02	
		For Each LF Shade Cloth, Add	*119.38*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	872.75	
		For Each LF Shade Cloth, Add	*143.26*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	996.84	
		For Each LF Shade Cloth, Add	*179.07*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,218.57	
		For Each LF Shade Cloth, Add	*238.76*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,403.91	
		For Each LF Shade Cloth, Add	*286.52*	
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	321.73	
		For Each LF Shade Cloth, Add	*16.09*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	542.59	
		For Each LF Shade Cloth, Add	*40.21*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	608.58	
		For Each LF Shade Cloth, Add	*48.26*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	692.06	
		For Each LF Shade Cloth, Add	*60.32*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	830.34	
		For Each LF Shade Cloth, Add	*80.43*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	922.70	
		For Each LF Shade Cloth, Add	*96.51*	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	343.73	
		For Each LF Shade Cloth, Add	*25.64*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	584.48	
		For Each LF Shade Cloth, Add	*64.09*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	656.86	
		For Each LF Shade Cloth, Add	*76.91*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	759.41	
		For Each LF Shade Cloth, Add	*96.13*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	918.76	
		For Each LF Shade Cloth, Add	*128.18*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,039.36	
		For Each LF Shade Cloth, Add	*153.81*	
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	383.35	
		For Each LF Shade Cloth, Add	*36.19*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	667.73	
		For Shade Cloth, Add	*90.48*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	748.03	
		For Shade Cloth, Add	*108.57*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	855.18	
		For Shade Cloth, Add	*135.72*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,045.15	
		For Shade Cloth, Add	*180.96*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,207.41	
		For Shade Cloth, Add	*217.15*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	465.68	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	803.31	
		For Each LF Shade Cloth, Add	*119.38*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	901.65	
		For Each LF Shade Cloth, Add	*143.26*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,029.36	
		For Each LF Shade Cloth, Add	*179.07*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,258.31	
		For Each LF Shade Cloth, Add	*238.76*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,447.27	
		For Each LF Shade Cloth, Add	*286.52*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

Note: Includes delivery, set-up and removal. Excludes sandbags.

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	7.94	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.61*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	8.81	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	11.98	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.10*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.28	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.18	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.74*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.62	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.19*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.63	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.62	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.80*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.34	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.30*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	9.06	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.78*	
		For Each LF Shade Cloth, Add	*1.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	10.05	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.87*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	14.09	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.41*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	7.35	

01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	3.48	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	5.21	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	7.52	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	9.26	

01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.97	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.16	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.31	

01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	126.36	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	145.80	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	179.83	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	194.41	

01 56 26 00-0174 Temporary Rail And Timber Structure *(01 56 26)*

01 56 26 00-0175	LF	4' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	232.63	
01 56 26 00-0176	LF	6' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	331.70	
01 56 26 00-0177	LF	8' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	430.78	
01 56 26 00-0178	LF	10' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	550.23	
01 56 26 00-0179	LF	12' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	639.57	
01 56 26 00-0180	LF	15' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	733.79	

01 56 26 00-0181 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0182	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.63	

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	168.19	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	4.28	

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	15.04	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.26*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	16.94	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.54*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	18.82	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.82*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	18.82	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.82*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	20.68	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.10*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	24.48	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.67*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	22.60	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.39*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	26.36	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.95*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	28.20	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.23*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.82	
01 56 29 00-0016		Removal of Sidewalk Bridge *(01 56 29 00-0001)*		
01 56 29 00-0017	LF	Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	35.01	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	2.14	
01 56 29 00-0019		Temporary Safety Nets *(01 56 29)*		
		Note: Includes removal after use.		
01 56 29 00-0020	SF	Small Mesh Debris Netting	2.31	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01 56 33 Temporary Security Barriers *(01 56)*

01 56 33 00-0001		Board-up Opening With Plywood *(01 56 33)*		
		Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	14.59	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.10	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	9.37	
01 56 33 00-0005		Temporary Pedestrian Barricade *(01 56 33)*		
		Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.05	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	34.12	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	102.37	

01 56 39 Temporary Tree and Plant Protection *(01 56)*

01 56 39 00-0001		Temporary Tree Guards *(01 56 39)*		
		Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	209.00	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	247.09	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	268.39	

01 57 Temporary Controls *(01 50)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)		111.93	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		109.86	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		138.95	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		136.86	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		168.03	

01 57 26 Site Watering for Dust Control *(01 57)*

01 57 26 00-0001 Site Watering for Dust Control *(01 57 26)*

01 57 26 00-0002	MSF	Apply Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil) Note: GTL (Gas-to-Liquid)		114.98	
01 57 26 00-0003	MSF	Apply 2% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)		42.91	
01 57 26 00-0004	MSF	Apply 4% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)		64.59	
01 57 26 00-0005	MSF	Apply 8% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)		107.96	
01 57 26 00-0006	MSF	Apply 12% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)		151.33	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		177.88	26.74
		For High-Intensity Grade, Add	*43.54*		
		For Diamond Grade, Add	*83.98*		
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		304.73	27.95
		For High-Intensity Grade, Add	*87.09*		
		For Diamond Grade, Add	*167.96*		
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		431.57	29.16
		For High-Intensity Grade, Add	*130.63*		
		For Diamond Grade, Add	*251.94*		
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		558.42	30.38
		For High-Intensity Grade, Add	*174.18*		
		For Diamond Grade, Add	*335.92*		
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		17.50	0.97
		For High-Intensity Grade, Add	*5.44*		
		For Diamond Grade, Add	*10.50*		

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	222.27	26.74
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	264.99	27.95
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	331.67	29.16
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	394.64	30.38
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	12.38	0.97

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	227.02	26.74
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	290.60	27.95
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	357.70	29.16
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	416.95	30.38
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	13.08	0.97

01 58 13 00-0023 Fabricate And Install New Posts *(01 58 13 00-0001)*

Note: Includes excavation, backfill and compaction. Excludes core drilling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	15.42	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	12.33	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	15.24	

01 58 13 00-0027 Owner Supplied Signs *(01 58 13 00-0001)*

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	97.21	

01 60 Product Requirements *(01)*

01 65 Product Delivery Requirements *(01 60)*

01 65 00 00-0001 Helicopter Lift *(01 65)*
Note: Includes Helcopter, Crew, Permits, Fuel And Clearances

01 65 00 00-0002	DAY	Helicopter Lift <3,500Lbs Note: Maximum of (3) Operations, Helicopter Crew, Helicopter, Rigging. Includes Day Permit for FAA Permit, Street Closure fees and Right of way. Signage , Safety Rigging Landing Plan. Clearing, Cleaning and Delineation of Landing Zone, Drop Zone, and Alternate landing Area. Delineation and closure of Ingress Egress routes.	35,872.31	
		For Weekend Day Usage, Add	*3,500.00*	

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*
Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors *(01 66 19)*
Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	18.69	
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.15	

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*
Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.59	

01 66 19 00-0006 Transfer Demolition Debris Between Floors *(01 66 19)*
Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	18.69	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.15	

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*
Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.59	

01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*
Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.21	

01 66 23 Off-Site Storage Facilities *(01 66)*

01 66 23 00-0001 Climate And Humidity Controlled Off-site Storage Facility *(01 66 23)*

01 66 23 00-0002	MO	5' x 10', Climate And Humidity Controlled Storage Facility	299.47	
01 66 23 00-0003	MO	10' x 10', Climate And Humidity Controlled Storage Facility	335.50	
01 66 23 00-0004	MO	10' x 20', Climate And Humidity Controlled Storage Facility	616.96	
01 66 23 00-0005	MO	15' x 15', Climate And Humidity Controlled Storage Facility	758.82	
01 66 23 00-0006	MO	10' x 30', Climate And Humidity Controlled Storage Facility	972.73	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*
Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	472.37	
01 71 13 00-0003	MI	>25 Miles, Equipment Delivery And Pickup Using A Rollback Flatbed Truck Note: Excludes first 25 miles.	5.04	
01 71 13 00-0004	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,510.18	
01 71 13 00-0005	MI	>25 Miles, Equipment Delivery And Pickup Using A Tractor Trailer With Up To 53' Bed Note: Excludes first 25 miles.	12.08	
01 71 13 00-0006		**Crane Delivery, Pickup, Mobilization And Demobilization** *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0007	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	503.86	
		For >30 To 60 Miles Radius, Add	*125.97*	
		For >60 To 100 Miles Radius, Add	*201.54*	
01 71 13 00-0008	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	818.77	
		For >30 To 60 Miles Radius, Add	*204.69*	
		For >60 To 100 Miles Radius, Add	*327.51*	
01 71 13 00-0009	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,133.69	
		For >30 To 60 Miles Radius, Add	*283.42*	
		For >60 To 100 Miles Radius, Add	*453.48*	
01 71 13 00-0010	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,826.50	
		For >30 To 60 Miles Radius, Add	*456.63*	
		For >60 To 100 Miles Radius, Add	*730.60*	
01 71 13 00-0011	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,292.57	
		For >30 To 60 Miles Radius, Add	*573.14*	
		For >60 To 100 Miles Radius, Add	*917.03*	
01 71 13 00-0012	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,853.12	
		For >30 To 60 Miles Radius, Add	*713.28*	
		For >60 To 100 Miles Radius, Add	*1,141.25*	
01 71 13 00-0013	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,287.69	
		For >30 To 60 Miles Radius, Add	*821.92*	
		For >60 To 100 Miles Radius, Add	*1,315.08*	
01 71 13 00-0014	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,678.20	
		For >30 To 60 Miles Radius, Add	*919.55*	
		For >60 To 100 Miles Radius, Add	*1,471.28*	
01 71 13 00-0015	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,952.46	
		For >30 To 60 Miles Radius, Add	*488.12*	
		For >60 To 100 Miles Radius, Add	*780.98*	
01 71 13 00-0016	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,086.16	
		For >30 To 60 Miles Radius, Add	*771.54*	
		For >60 To 100 Miles Radius, Add	*1,234.46*	
01 71 13 00-0017	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,904.93	
		For >30 To 60 Miles Radius, Add	*976.23*	
		For >60 To 100 Miles Radius, Add	*1,561.97*	
01 71 13 00-0018	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,849.67	
		For >30 To 60 Miles Radius, Add	*1,212.42*	
		For >60 To 100 Miles Radius, Add	*1,939.87*	
01 71 13 00-0019	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,046.35	
		For >30 To 60 Miles Radius, Add	*1,511.59*	
		For >60 To 100 Miles Radius, Add	*2,418.54*	
01 71 13 00-0020	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,054.07	
		For >30 To 60 Miles Radius, Add	*1,763.52*	
		For >60 To 100 Miles Radius, Add	*2,821.63*	
01 71 13 00-0021	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	10,077.24	
		For >30 To 60 Miles Radius, Add	*2,519.31*	
		For >60 To 100 Miles Radius, Add	*4,030.90*	
01 71 13 00-0022	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	13,818.42	
		For >30 To 60 Miles Radius, Add	*3,454.61*	
		For >60 To 100 Miles Radius, Add	*5,527.37*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,332.99	
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,759.34	
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,397.88	
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	8,122.39	
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	10,171.01	

01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	3.00	
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.48	
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	4.07	

01 71 23 16-0011 Survey Monument *(01 71 23 16)*

01 71 23 16-0012	EA	3' Precast Survey Monument	206.56	
		For Owner Furnished Monument, Deduct	*-84.68*	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	308.51	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	158.45	
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	254.03	

01 71 23 16-0016 Facade Surveying *(01 71 23 16)*

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.28	

01 71 23 16-0018 Utility Survey *(01 71 23 16)*

Note: This survey is only for the location of underground utilities.

01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	6,948.87	

01 71 23 16-0020 GPR Bridge Deck And Pavement Inspection *(01 71 23 16)*

01 71 23 16-0021 GPR Bridge Deck And Pavement Inspection Mobilization Fee *(01 71 23 16-0020)*

Note: One mobilization per project.

01 71 23 16-0022	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee	4,222.51	

01 71 23 16-0023 Bridge Deck Delamination Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)*

Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.

01 71 23 16-0024	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	2,925.60	
01 71 23 16-0025	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.23	
01 71 23 16-0026	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.98	
01 71 23 16-0027	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.78	
01 71 23 16-0028	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.59	
01 71 23 16-0029	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.47	
01 71 23 16-0030	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.37	
01 71 23 16-0031	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.27	

01 71 23 16-0032 Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)*

Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.

01 71 23 16-0033	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	975.20	
01 71 23 16-0034	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	

01 71 23 16-0035 Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)*

Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.

01 71 23 16-0036	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	975.20	
01 71 23 16-0037	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.45	
01 71 23 16-0038	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.35	
01 71 23 16-0039	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.27	
01 71 23 16-0040	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.21	
01 71 23 16-0041	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.18	
01 71 23 16-0042	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0043	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0044		Pavement Structure And Thickness Measurement, GPR Pavement Inspection *(01 71 23 16-0020)*		
		Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0045	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,251.59	
01 71 23 16-0046	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,161.60	
01 71 23 16-0047	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,354.13	
01 71 23 16-0048	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,285.31	
01 71 23 16-0049	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,010.31	
01 71 23 16-0050		Pavement Thickness Contour (Mapping), GPR Pavement Inspection *(01 71 23 16-0020)*		
		Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0051	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,227.34	
01 71 23 16-0052	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,339.64	
01 71 23 16-0053	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,296.18	
01 71 23 16-0054	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,847.03	
01 71 23 16-0055	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,460.85	
01 71 23 16-0056		Pavement Void Detection (Mapping), GPR Pavement Inspection *(01 71 23 16-0020)*		
		Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0057	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	10,957.35	
01 71 23 16-0058	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,369.45	
01 71 23 16-0059	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,119.24	
01 71 23 16-0060	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,338.53	
01 71 23 16-0061	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,852.88	
01 71 23 16-0062		Drone Survey (Extreme Aerial Productions) *(01 71 23 16)*		
		Note: Thermographic services to electrical line grid inspections.		
01 71 23 16-0063		Mobilization For Drone Surveying *(01 71 23 16-0062)*		
01 71 23 16-0064	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	262.17	
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	655.42	
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	174.78	
01 71 23 16-0067	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection	349.56	
01 71 23 16-0068	EA	Mobilization For Drone Survey Stockpile	174.78	
01 71 23 16-0069	EA	Mobilization For Drone Inspection	174.78	
01 71 23 16-0070	EA	Mobilization For Qualitative Drone Thermal Inspection	349.56	
01 71 23 16-0071	EA	Mobilization For Quantitative Drone Thermal Inspection	436.95	
01 71 23 16-0072	EA	Mobilization For Drone Agricultural Multispectral Survey	699.12	
01 71 23 16-0073	EA	Mobilization For Drone Building Inspection/Scan/Thermal	524.34	
01 71 23 16-0074	EA	Mobilization For Drone 3D Modelling	436.95	
01 71 23 16-0075	EA	Mobilization For Drone Spraying Crops Or Sanitation	786.51	
01 71 23 16-0076	EA	Mobilization For Drone Video Progression/Marketing	174.78	
01 71 23 16-0077	EA	Mobilization For Drone Pictures Progression/Marketing	174.78	
01 71 23 16-0078	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	174.78	
01 71 23 16-0079	EA	Mobilization For Drone Accident Reconstruction	174.78	
01 71 23 16-0080	EA	Mobilization For Drone Landfill Survey	262.17	
01 71 23 16-0081	EA	Mobilization For Drone Event Security Using Tethered Drones	349.56	
01 71 23 16-0082	EA	Mobilization For Drone Emergency Response	873.90	
01 71 23 16-0083	EA	Mobilization For Drone Cell Tower Inspection	262.17	
01 71 23 16-0084		Drone Surveying *(01 71 23 16-0062)*		
01 71 23 16-0085	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	637.95	
		Note: 3 hour minimum		
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0086	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	812.73	
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*209.74*	
01 71 23 16-0087	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	524.34	
		Note: 3 hour minimum		
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0088	HR	Drone Road Survey For Topography/Progression/Inspection	611.73	
		Note: 3 hour minimum		
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0089	HR	Drone Survey Stockpile	436.95	
		Note: 3 hour minimum		
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0090	HR	Drone Inspection	611.73	
		Note: 3 hour minimum		
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0091	HR	Qualitative Drone Thermal Inspection Note: 5 hour minimum	699.12	
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0092	HR	Quantitative Drone Thermal Inspection Note: 5 hour minimum	1,048.68	
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0093	HR	Drone Agricultural Multispectral Survey Note: 6 hour minimum	786.51	
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0094	HR	Drone Building Inspection/Scan/Thermal Note: 3 hour minimum	699.12	
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0095	HR	Drone 3D Modelling Note: 3 hour minimum	524.34	
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0096	HR	Drone Spraying Crops Or Sanitation Note: 3 hour minimum	699.12	
		For Visual Observation, Add	*218.48*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0097	HR	Drone Video Progression/Marketing Note: 2 hour minimum	349.56	
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0098	HR	Drone Pictures Progression/Marketing Note: 2 hour minimum	262.17	
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0099	HR	Drone Training, Flying, Test Prep, Equipment Checks Note: 3 hour minimum	524.34	
01 71 23 16-0100	HR	Drone Accident Reconstruction Note: 2 hour minimum	786.51	
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0101	HR	Drone Landfill Survey Note: 3 hour minimum	637.95	
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0102	HR	Drone Event Security Using Tethered Drones Note: 3 hour minimum	436.95	
		For Visual Observation, Add	*174.78*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0103	HR	Drone Emergency Response Note: 3 hour minimum	436.95	
		For Visual Observation, Add	*262.17*	
		For Additional Manpower, Add	*174.78*	
01 71 23 16-0104	HR	Drone Cell Tower Inspection Note: 3 hour minimum	436.95	
		For Visual Observation, Add	*218.48*	
		For Additional Manpower, Add	*174.78*	

01 71 23 16-0105 Utilization And Deliverables For Drone Surveying *(01 71 23 16-0062)*

01 71 23 16-0106	Day	Utilization Of GPS Ground Control For Drone Surveying	436.95
01 71 23 16-0107	Day	Utilization Of GPS Base Station Per Day For Drone Surveying	436.95
01 71 23 16-0108	HR	Processing And Data Deliverables And Reporting For Drone Surveying Note: 2 hour minimum	174.78
01 71 23 16-0109	HR	Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying Note: 3 hour minimum	349.56

01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying *(01 71 23 16-0062)*

01 71 23 16-0111	MI	Travel Over 100 Miles For Drone Surveying Note: For additional miles over 100	1.00
01 71 23 16-0112	EA	Overnight Stay Per Person For Drone Surveying	218.48
01 71 23 16-0113	EA	Waiver Utilization B, C, D, And E For Drone Surveying Note: Restricted airspace	87.39
01 71 23 16-0114	EA	Night Waiver For Drone Surveying	113.61
01 71 23 16-0115	EA	Flying Over People Waiver For Drone Surveying	174.78
01 71 23 16-0116	EA	Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying	873.90
01 71 23 16-0117	HR	Editing Video For Drone Surveying Note: 2 hour minimum	174.78
01 71 23 16-0118	HR	Editing Pictures For Drone Surveying Note: 2 hour minimum	87.39
01 71 23 16-0119	HR	Custom Post Processing For Drone Surveying Note: 3 hour minimum	262.17

01 71 36 Non-Destructive Concrete Examination *(01 71)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 71 36 00-0001 Electromagnetic Survey *(01 71 36)*
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,128.06
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,692.09
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,384.18

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	376.02
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	752.04
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,692.09

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 General *(01 74 13)*

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	24.33
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	28.48

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance *(01 74 16)*
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.27
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	29.12

01 74 16 00-0005 Runway Sweeping *(01 74 16 00-0001)*

01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	36.41

01 74 19 Construction Waste Management and Disposal *(01 74)*
Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001 Debris Chutes *(01 74 19)*
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	38.86
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	59.52

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	15.40	
		For Steel Liner, Add		*3.09*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	17.66	
		For Steel Liner, Add		*3.55*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	19.91	
		For Steel Liner, Add		*4.00*

01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	31.14

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0011		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	501.60	
01 74 19 00-0013	EA	15 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	566.38	
01 74 19 00-0014	EA	20 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	631.15	
01 74 19 00-0015	EA	30 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	802.36	
01 74 19 00-0016	EA	40 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	866.88	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	760.38	
01 74 19 00-0018		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0019	MO	Rampless Concrete Washout Bin Note: Includes delivery.	543.16	
01 74 19 00-0020	MO	Ramped Concrete Washout Bin Note: Includes delivery.	651.79	
01 74 19 00-0021	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	621.54	
01 74 19 00-0022	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,346.67	
01 74 19 00-0023		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0024		**Material Recycling Fees** *(01 74 19 00-0023)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0025	CY	Drop-Off Asphalt At Recycling Center	18.51	
01 74 19 00-0026	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	24.80	
01 74 19 00-0027	CY	Drop-Off Reinforced Concrete At Recycling Center	37.20	
01 74 19 00-0028	CY	Drop-Off Brick Or Block At Recycling Center	32.24	
01 74 19 00-0029	CY	Drop-Off Dirt At Recycling Center	35.96	
01 74 19 00-0030	CY	Drop-Off Dimensional Lumber At Recycling Center	34.72	
01 74 19 00-0031		**Landfill Dump Fees** *(01 74 19 00-0023)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.		
01 74 19 00-0032	CY	Traditional Building Construction Materials Landfill Dump Fee	16.50	
01 74 19 00-0033	TON	Traditional Building Construction Materials, Landfill Dump Fee	71.93	
01 74 19 00-0034	CY	Trees, Stumps And Brush, Landfill Dump Fee	19.87	
01 74 19 00-0035	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	47.38	
01 74 19 00-0036	TON	Dump, Transfer Station Fee For Mixed Material	101.68	
01 74 19 00-0037	CY	Non-Reinforced Concrete And/Or Rock, 2" Minus	4.20	
01 74 19 00-0038	CY	Reinforced Concrete And/Or Rock, 2" Minus, Rebar Trimmed To 1"	5.85	
01 74 19 00-0039	CY	Reinforced Concrete not trimmed, 2" Minus	10.40	
01 74 19 00-0040	CY	Mixed Asphalt And Concrete, Sized And Trimmed	7.73	
01 74 19 00-0041	CY	Asphalt Or Asphalt And Dirt, Sized To 2" Minus	5.85	
01 74 19 00-0042	CY	Reinforced Concrete And Asphalt, Not Trimmed, 2" Minus	12.50	
01 74 19 00-0043	CY	Clean Dirt (No Grass, Weeds, Roots, Plants, Trash)	51.56	
01 74 19 00-0044	CY	Clay Loads, Expansive Materials	64.46	
01 74 19 00-0045	CY	Clean Asphalt, Sized 2" Minus, No Dirt	9.21	
01 74 19 00-0046	TON	General Refuse	77.35	
01 74 19 00-0047	EA	Tires	23.63	
01 74 19 00-0048		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0049	CYM	Hauling Up To 15 Miles	1.32	
01 74 19 00-0050	CYM	Hauling, Miles Over Initial 15 Miles	0.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		Cleaning Of Glass *(01 74 23)*		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	32.91	

01 90 Life Cycle Activities *(01)*

01 91 Commissioning *(01 90)*

01 91 13 General Commissioning Requirements *(01 91)*

01 91 13 00-0001		Commissioning Of Systems *(01 91 13)*		
		Note: For use with commissioning of mechanical and electrical systems.		
01 91 13 00-0002	HR	Commissioning - Fire Protection Sprinkler Systems	240.60	
01 91 13 00-0003	HR	Commissioning - Plumbing Systems	226.85	
01 91 13 00-0004	HR	Commissioning - HVAC/Mechanical Systems	255.21	
01 91 13 00-0005	HR	Commissioning - Electrical/Fire Alarms/Security Systems	247.72	

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling *(02 25 16)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002 EA Mobilization Of Drilling Crew 1,282.37

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 38.63

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 97.62
02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 166.93

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 103.45
Note: Includes sampling.
02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 9.71

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 133.70
Note: Includes sampling.
02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 11.17

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 73.21
02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 85.41
02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 113.88

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 216.01
02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 388.81

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023 EA Shelby Tube Sampling 54.32
02 32 13 00-0024 EA Penetration Test 44.26

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026 VLF Boreholes 10.30

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization 176.11
02 32 19 00-0003 EA Hydro Excavation, Minimum Charge 704.43
Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.
02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) 39.13
Note: Normal soil conditions consist of silt, sand and gravel.

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0005	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	62.61	

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.61
		For >500 To 1,000, Deduct	*-0.76*
		For >1,000 To 2,500, Deduct	*-1.37*
		For >2,500 To 5,000, Deduct	*-1.98*
		For >5,000 To 10,000, Deduct	*-2.59*
		For >10,000, Deduct	*-3.20*
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.40
		For >500 To 1,000, Deduct	*-1.14*
		For >1,000 To 2,500, Deduct	*-2.05*
		For >2,500 To 5,000, Deduct	*-2.96*
		For >5,000 To 10,000, Deduct	*-3.88*
		For >10,000, Deduct	*-4.79*
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.20
		For >500 To 1,000, Deduct	*-1.52*
		For >1,000 To 2,500, Deduct	*-2.74*
		For >2,500 To 5,000, Deduct	*-3.95*
		For >5,000 To 10,000, Deduct	*-5.17*
		For >10,000, Deduct	*-6.38*
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.74
		For >500 To 1,000, Deduct	*-1.47*
		For >1,000 To 2,500, Deduct	*-2.65*
		For >2,500 To 5,000, Deduct	*-3.83*
		For >5,000 To 10,000, Deduct	*-5.01*
		For >10,000, Deduct	*-6.19*
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.80
		For >500 To 1,000, Deduct	*-2.08*
		For >1,000 To 2,500, Deduct	*-3.74*
		For >2,500 To 5,000, Deduct	*-5.41*
		For >5,000 To 10,000, Deduct	*-7.07*
		For >10,000, Deduct	*-8.74*
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.47
		For >500 To 1,000, Deduct	*-2.95*
		For >1,000 To 2,500, Deduct	*-5.30*
		For >2,500 To 5,000, Deduct	*-7.66*
		For >5,000 To 10,000, Deduct	*-10.02*
		For >10,000, Deduct	*-12.38*
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.61
		For >500 To 1,000, Deduct	*-4.16*
		For >1,000 To 2,500, Deduct	*-7.49*
		For >2,500 To 5,000, Deduct	*-10.82*
		For >5,000 To 10,000, Deduct	*-14.15*
		For >10,000, Deduct	*-17.48*
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.41
		For >500 To 1,000, Deduct	*-5.44*
		For >1,000 To 2,500, Deduct	*-9.79*
		For >2,500 To 5,000, Deduct	*-14.15*
		For >5,000 To 10,000, Deduct	*-18.50*
		For >10,000, Deduct	*-22.85*
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	70.74
		For >500 To 1,000, Deduct	*-7.07*
		For >1,000 To 2,500, Deduct	*-12.73*
		For >2,500 To 5,000, Deduct	*-18.39*
		For >5,000 To 10,000, Deduct	*-24.05*
		For >10,000, Deduct	*-29.71*

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.94
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.46
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.27
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.43
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	4.08	
02 41 13 13-0018		By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.45	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*4.94*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*8.23*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000 To 2,500, Deduct	*-2.96*	
		For >2,500 To 5,000, Deduct	*-4.28*	
		For >5,000 To 10,000, Deduct	*-5.59*	
		For >10,000, Deduct	*-6.91*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.46	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*6.74*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*11.23*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000 To 2,500, Deduct	*-4.04*	
		For >2,500 To 5,000, Deduct	*-5.84*	
		For >5,000 To 10,000, Deduct	*-7.64*	
		For >10,000, Deduct	*-9.43*	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.16	
		For Elevated Slab, Add	*15.58*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000 To 2,500, Deduct	*-5.61*	
		For >2,500 To 5,000, Deduct	*-8.10*	
		For >5,000 To 10,000, Deduct	*-10.59*	
		For >10,000, Deduct	*-13.09*	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	40.66	
		For Elevated Slab, Add	*20.33*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000 To 2,500, Deduct	*-7.32*	
		For >2,500 To 5,000, Deduct	*-10.57*	
		For >5,000 To 10,000, Deduct	*-13.82*	
		For >10,000, Deduct	*-17.08*	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	56.60	
		For Elevated Slab, Add	*28.30*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000 To 2,500, Deduct	*-10.19*	
		For >2,500 To 5,000, Deduct	*-14.72*	
		For >5,000 To 10,000, Deduct	*-19.24*	
		For >10,000, Deduct	*-23.77*	
02 41 13 13-0024	SY	>15" To 18" By Machine, Break-up And Remove Bituminous Paving	77.81	
		For Elevated Slab, Add	*38.91*	
		For >500 To 1,000, Deduct	*-7.78*	
		For >1,000 To 2,500, Deduct	*-14.01*	
		For >2,500 To 5,000, Deduct	*-20.23*	
		For >5,000 To 10,000, Deduct	*-26.46*	
		For >10,000, Deduct	*-32.68*	
02 41 13 13-0025	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	18.92	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*5.68*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*9.46*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000 To 2,500, Deduct	*-3.41*	
		For >2,500 To 5,000, Deduct	*-4.92*	
		For >5,000 To 10,000, Deduct	*-6.43*	
		For >10,000, Deduct	*-7.95*	
02 41 13 13-0026	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.76	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*7.43*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*12.38*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000 To 2,500, Deduct	*-4.46*	
		For >2,500 To 5,000, Deduct	*-6.44*	
		For >5,000 To 10,000, Deduct	*-8.42*	
		For >10,000, Deduct	*-10.40*	
02 41 13 13-0027	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.22	
		For Elevated Slab, Add	*22.11*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000 To 2,500, Deduct	*-7.96*	
		For >2,500 To 5,000, Deduct	*-11.50*	
		For >5,000 To 10,000, Deduct	*-15.03*	
		For >10,000, Deduct	*-18.57*	
02 41 13 13-0028	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	57.76	
		For Elevated Slab, Add	*28.88*	
		For >500 To 1,000, Deduct	*-5.78*	
		For >1,000 To 2,500, Deduct	*-10.40*	
		For >2,500 To 5,000, Deduct	*-15.02*	
		For >5,000 To 10,000, Deduct	*-19.64*	
		For >10,000, Deduct	*-24.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.12	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*7.54*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*12.56*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000 To 2,500, Deduct	*-4.52*	
		For >2,500 To 5,000, Deduct	*-6.53*	
		For >5,000 To 10,000, Deduct	*-8.54*	
		For >10,000, Deduct	*-10.55*	
02 41 13 13-0030	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	32.54	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*9.76*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*16.27*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000 To 2,500, Deduct	*-5.86*	
		For >2,500 To 5,000, Deduct	*-8.46*	
		For >5,000 To 10,000, Deduct	*-11.06*	
		For >10,000, Deduct	*-13.67*	
02 41 13 13-0031	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	53.94	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*16.18*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*26.97*	
		For >500 To 1,000, Deduct	*-5.39*	
		For >1,000 To 2,500, Deduct	*-9.71*	
		For >2,500 To 5,000, Deduct	*-14.02*	
		For >5,000 To 10,000, Deduct	*-18.34*	
		For >10,000, Deduct	*-22.65*	
02 41 13 13-0032	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	27.23	
		For Elevated Slab, Add	*13.62*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000 To 2,500, Deduct	*-4.90*	
		For >2,500 To 5,000, Deduct	*-7.08*	
		For >5,000 To 10,000, Deduct	*-9.26*	
		For >10,000, Deduct	*-11.44*	
02 41 13 13-0033	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	35.02	
		For Elevated Slab, Add	*17.51*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,500, Deduct	*-6.30*	
		For >2,500 To 5,000, Deduct	*-9.11*	
		For >5,000 To 10,000, Deduct	*-11.91*	
		For >10,000, Deduct	*-14.71*	
02 41 13 13-0034	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	62.60	
		For Elevated Slab, Add	*31.30*	
		For >500 To 1,000, Deduct	*-6.26*	
		For >1,000 To 2,500, Deduct	*-11.27*	
		For >2,500 To 5,000, Deduct	*-16.28*	
		For >5,000 To 10,000, Deduct	*-21.28*	
		For >10,000, Deduct	*-26.29*	
02 41 13 13-0035	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	81.70	
		For Elevated Slab, Add	*40.85*	
		For >500 To 1,000, Deduct	*-8.17*	
		For >1,000 To 2,500, Deduct	*-14.71*	
		For >2,500 To 5,000, Deduct	*-21.24*	
		For >5,000 To 10,000, Deduct	*-27.78*	
		For >10,000, Deduct	*-34.31*	
02 41 13 13-0036	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	106.82	
		For Elevated Slab, Add	*53.41*	
		For >500 To 1,000, Deduct	*-10.68*	
		For >1,000 To 2,500, Deduct	*-19.23*	
		For >2,500 To 5,000, Deduct	*-27.77*	
		For >5,000 To 10,000, Deduct	*-36.32*	
		For >10,000, Deduct	*-44.86*	
02 41 13 13-0037	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	129.63	
		For Elevated Slab, Add	*64.82*	
		For >500 To 1,000, Deduct	*-12.96*	
		For >1,000 To 2,500, Deduct	*-23.33*	
		For >2,500 To 5,000, Deduct	*-33.70*	
		For >5,000 To 10,000, Deduct	*-44.07*	
		For >10,000, Deduct	*-54.44*	

02 41 13 13-0038 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 13 13-0039	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.33
02 41 13 13-0040	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.71
02 41 13 13-0041	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.42
02 41 13 13-0042	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	5.42
02 41 13 13-0043	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	7.49
02 41 13 13-0044	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	9.59
02 41 13 13-0045	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	7.59
02 41 13 13-0046	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	10.47
02 41 13 13-0047	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	13.42

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 13-0048 Grind Concrete *(02 41 13 13)*

02 41 13 13-0049 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) 214.76
Note: For each location up to 5' wide, feather up to 12" each direction.

For >1/2" To 1" Depth Of Grinding, Add 32.21
For >1" To 1-1/2" Depth Of Grinding, Add 53.69
For Up To 5, Add 42.95
For >5 To 10, Add 21.48
For >25 To 50, Deduct -21.48
For >50 To 250, Deduct -32.21
For >250, Deduct -42.95
For Sidewalks >5', Add 21.48
For Up To 12" Additional Feathering Per Side, Add 21.48

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*
Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 8.29
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 10.36
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 13.87
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 27.60

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*
Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 8.40
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 12.70
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 10.39
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 9.24

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*
Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition 77.72

For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct -5.83
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct -11.66
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct -17.49
For Up To 500, Add 23.32
For >500 To 1,000, Add 15.54
For >1,000 To 2,000, Add 7.77
For Volume Of Area Within 15' To An Adjacent Building, Add 25.65
For No Interior Partitions, Deduct -19.43

02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition 48.57

For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct -3.64
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct -7.29
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct -10.93
For Up To 500, Add 14.57
For >500 To 1,000, Add 9.71
For >1,000 To 2,000, Add 4.86
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add 7.29
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add 12.14
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add 17.00
For Volume Of Area Within 15' To An Adjacent Building, Add 16.03
For No Interior Partitions, Deduct -12.14

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		97.53
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.31*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-14.63*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-21.94*
		For Up To 500, Add		*29.26*
		For >500 To 1,000, Add		*19.51*
		For >1,000 To 2,000, Add		*9.75*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*32.18*
		For No Interior Partitions, Deduct		*-24.38*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		64.13
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.81*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-9.62*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-14.43*
		For Up To 500, Add		*19.24*
		For >500 To 1,000, Add		*12.83*
		For >1,000 To 2,000, Add		*6.41*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*9.62*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*16.03*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*22.45*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*21.16*
		For No Interior Partitions, Deduct		*-16.03*

02 41 16 13-0013 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		68.54
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.14*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.28*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-15.42*
		For Up To 500, Add		*20.56*
		For >500 To 1,000, Add		*13.71*
		For >1,000 To 2,000, Add		*6.85*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*22.62*
		For No Interior Partitions, Deduct		*-17.14*
02 41 16 13-0015	CCF	By Machine, Masonry Construction Building Demolition		43.59
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.27*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.54*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-9.81*
		For Up To 500, Add		*13.08*
		For >500 To 1,000, Add		*8.72*
		For >1,000 To 2,000, Add		*4.36*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.54*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*10.90*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*15.26*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.38*
		For No Interior Partitions, Deduct		*-10.90*

02 41 16 13-0016 Wood Frame Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		59.56
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.47*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.93*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-13.40*
		For Up To 500, Add		*17.87*
		For >500 To 1,000, Add		*11.91*
		For >1,000 To 2,000, Add		*5.96*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*19.65*
		For No Interior Partitions, Deduct		*-14.89*
02 41 16 13-0018	CCF	By Machine, Wood Frame Construction Building Demolition		37.30
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-2.80*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-5.60*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-8.39*
		For Up To 500, Add		*11.19*
		For >500 To 1,000, Add		*7.46*
		For >1,000 To 2,000, Add		*3.73*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*5.60*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*12.31*
		For No Interior Partitions, Deduct		*-9.33*

02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)*

Note: Per building volume.

02 41 16 13-0020	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off		10.68
		For Up To 500, Add		*3.20*
		For >500 To 1,000, Add		*2.14*
		For >1,000 To 2,000, Add		*1.07*

02 41 16 13-0021 Foundation Demolition *(02 41 16 13)*

Note: Excludes earthwork.

02 41 16 13-0022 Concrete Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0023	CF	Non-Reinforced Concrete Foundation Demolition		16.15
		For >135 To 405, Deduct		*-1.41*
		For >405 To 810, Deduct		*-2.83*
		For >810 To 2025, Deduct		*-4.04*
		For >2025, Deduct		*-6.46*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0024	CF	Reinforced Concrete Foundation Demolition		19.37
		For >135 To 405, Deduct	*-1.69*	
		For >405 To 810, Deduct	*-3.39*	
		For >810 To 2025, Deduct	*-4.84*	
		For >2025, Deduct	*-7.75*	
02 41 16 13-0025		**Concrete Foundation Wall Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0026	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition		6.92
		For >500 To 2,000, Deduct	*-0.52*	
		For >2,000 To 6,000, Deduct	*-1.38*	
		For >6,000 To 8,000, Deduct	*-2.42*	
		For >8,000, Deduct	*-3.81*	
02 41 16 13-0027	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition		9.23
		For >500 To 2,000, Deduct	*-0.69*	
		For >2,000 To 6,000, Deduct	*-1.85*	
		For >6,000 To 8,000, Deduct	*-3.23*	
		For >8,000, Deduct	*-5.08*	
02 41 16 13-0028	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition		11.53
		For >500 To 2,000, Deduct	*-0.86*	
		For >2,000 To 6,000, Deduct	*-2.31*	
		For >6,000 To 8,000, Deduct	*-4.04*	
		For >8,000, Deduct	*-6.34*	
02 41 16 13-0029	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition		13.84
		For >500 To 2,000, Deduct	*-1.04*	
		For >2,000 To 6,000, Deduct	*-2.77*	
		For >6,000 To 8,000, Deduct	*-4.84*	
		For >8,000, Deduct	*-7.61*	
02 41 16 13-0030	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition		16.15
		For >500 To 2,000, Deduct	*-1.21*	
		For >2,000 To 6,000, Deduct	*-3.23*	
		For >6,000 To 8,000, Deduct	*-5.65*	
		For >8,000, Deduct	*-8.88*	
02 41 16 13-0031	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition		18.44
		For >500 To 2,000, Deduct	*-1.38*	
		For >2,000 To 6,000, Deduct	*-3.69*	
		For >6,000 To 8,000, Deduct	*-6.45*	
		For >8,000, Deduct	*-10.14*	
02 41 16 13-0032	SF	4" Thick Reinforced Concrete Foundation Wall Demolition		8.30
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000 To 6,000, Deduct	*-1.66*	
		For >6,000 To 8,000, Deduct	*-2.91*	
		For >8,000, Deduct	*-4.57*	
02 41 16 13-0033	SF	6" Thick Reinforced Concrete Foundation Wall Demolition		11.07
		For >500 To 2,000, Deduct	*-0.83*	
		For >2,000 To 6,000, Deduct	*-2.21*	
		For >6,000 To 8,000, Deduct	*-3.87*	
		For >8,000, Deduct	*-6.09*	
02 41 16 13-0034	SF	8" Thick Reinforced Concrete Foundation Wall Demolition		13.84
		For >500 To 2,000, Deduct	*-1.04*	
		For >2,000 To 6,000, Deduct	*-2.77*	
		For >6,000 To 8,000, Deduct	*-4.84*	
		For >8,000, Deduct	*-7.61*	
02 41 16 13-0035	SF	10" Thick Reinforced Concrete Foundation Wall Demolition		16.38
		For >500 To 2,000, Deduct	*-1.23*	
		For >2,000 To 6,000, Deduct	*-3.28*	
		For >6,000 To 8,000, Deduct	*-5.73*	
		For >8,000, Deduct	*-9.01*	
02 41 16 13-0036	SF	12" Thick Reinforced Concrete Foundation Wall Demolition		19.37
		For >500 To 2,000, Deduct	*-1.45*	
		For >2,000 To 6,000, Deduct	*-3.87*	
		For >6,000 To 8,000, Deduct	*-6.78*	
		For >8,000, Deduct	*-10.65*	
02 41 16 13-0037	SF	16" Thick Reinforced Concrete Foundation Wall Demolition		22.14
		For >500 To 2,000, Deduct	*-1.66*	
		For >2,000 To 6,000, Deduct	*-4.43*	
		For >6,000 To 8,000, Deduct	*-7.75*	
		For >8,000, Deduct	*-12.18*	
02 41 16 13-0038		**Concrete Block Foundation Wall Demolition** *(02 41 16 13-0021)*		
02 41 16 13-0039	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.07
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000 To 6,000, Deduct	*-1.01*	
		For >6,000 To 8,000, Deduct	*-1.77*	
		For >8,000, Deduct	*-2.79*	
02 41 16 13-0040	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.42
		For >500 To 2,000, Deduct	*-0.41*	
		For >2,000 To 6,000, Deduct	*-1.08*	
		For >6,000 To 8,000, Deduct	*-1.90*	
		For >8,000, Deduct	*-2.98*	
02 41 16 13-0041	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		6.11
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000 To 6,000, Deduct	*-1.22*	
		For >6,000 To 8,000, Deduct	*-2.14*	
		For >8,000, Deduct	*-3.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0042	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.03	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000 To 6,000, Deduct	*-1.41*	
		For >6,000 To 8,000, Deduct	*-2.46*	
		For >8,000, Deduct	*-3.87*	
02 41 16 13-0043	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.85	
		For >500 To 2,000, Deduct	*-0.59*	
		For >2,000 To 6,000, Deduct	*-1.57*	
		For >6,000 To 8,000, Deduct	*-2.75*	
		For >8,000, Deduct	*-4.32*	
02 41 16 13-0044	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.80	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000 To 6,000, Deduct	*-1.96*	
		For >6,000 To 8,000, Deduct	*-3.43*	
		For >8,000, Deduct	*-5.39*	
02 41 16 13-0045	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	6.09	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000 To 6,000, Deduct	*-1.22*	
		For >6,000 To 8,000, Deduct	*-2.13*	
		For >8,000, Deduct	*-3.35*	
02 41 16 13-0046	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.50	
		For >500 To 2,000, Deduct	*-0.49*	
		For >2,000 To 6,000, Deduct	*-1.30*	
		For >6,000 To 8,000, Deduct	*-2.28*	
		For >8,000, Deduct	*-3.58*	
02 41 16 13-0047	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.34	
		For >500 To 2,000, Deduct	*-0.55*	
		For >2,000 To 6,000, Deduct	*-1.47*	
		For >6,000 To 8,000, Deduct	*-2.57*	
		For >8,000, Deduct	*-4.04*	
02 41 16 13-0048	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.44	
		For >500 To 2,000, Deduct	*-0.63*	
		For >2,000 To 6,000, Deduct	*-1.69*	
		For >6,000 To 8,000, Deduct	*-2.95*	
		For >8,000, Deduct	*-4.64*	
02 41 16 13-0049	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.40	
		For >500 To 2,000, Deduct	*-0.71*	
		For >2,000 To 6,000, Deduct	*-1.88*	
		For >6,000 To 8,000, Deduct	*-3.29*	
		For >8,000, Deduct	*-5.17*	
02 41 16 13-0050	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	11.76	
		For >500 To 2,000, Deduct	*-0.88*	
		For >2,000 To 6,000, Deduct	*-2.35*	
		For >6,000 To 8,000, Deduct	*-4.12*	
		For >8,000, Deduct	*-6.47*	

02 41 16 13-0051 Brick Foundation Wall Demolition *(02 41 16 13-0021)*

02 41 16 13-0052	SF	4" Thick Brick Foundation Wall Demolition	5.07	
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000 To 6,000, Deduct	*-1.01*	
		For >6,000 To 8,000, Deduct	*-1.77*	
		For >8,000, Deduct	*-2.79*	
02 41 16 13-0053	SF	6" Thick Brick Foundation Wall Demolition	5.42	
		For >500 To 2,000, Deduct	*-0.41*	
		For >2,000 To 6,000, Deduct	*-1.08*	
		For >6,000 To 8,000, Deduct	*-1.90*	
		For >8,000, Deduct	*-2.98*	
02 41 16 13-0054	SF	8" Thick Brick Foundation Wall Demolition	6.11	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000 To 6,000, Deduct	*-1.22*	
		For >6,000 To 8,000, Deduct	*-2.14*	
		For >8,000, Deduct	*-3.36*	
02 41 16 13-0055	SF	10" Thick Brick Foundation Wall Demolition	7.03	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000 To 6,000, Deduct	*-1.41*	
		For >6,000 To 8,000, Deduct	*-2.46*	
		For >8,000, Deduct	*-3.87*	
02 41 16 13-0056	SF	12" Thick Brick Foundation Wall Demolition	7.85	
		For >500 To 2,000, Deduct	*-0.59*	
		For >2,000 To 6,000, Deduct	*-1.57*	
		For >6,000 To 8,000, Deduct	*-2.75*	
		For >8,000, Deduct	*-4.32*	
02 41 16 13-0057	SF	16" Thick Brick Foundation Wall Demolition	9.80	
		For >500 To 2,000, Deduct	*-0.74*	
		For >2,000 To 6,000, Deduct	*-1.96*	
		For >6,000 To 8,000, Deduct	*-3.43*	
		For >8,000, Deduct	*-5.39*	

02 41 16 13-0058 Stone Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0059	CF	Stone Footing Or Foundation Wall Demolition	16.15	
		For >135 To 405, Deduct	*-1.41*	
		For >405 To 810, Deduct	*-2.83*	
		For >810 To 2025, Deduct	*-4.04*	
		For >2025, Deduct	*-6.46*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 16 13-0060 Other Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0061	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition Note: Includes excavation.		16.69
		For >135 To 405, Deduct		*-1.46*
		For >405 To 810, Deduct		*-2.92*
		For >810 To 2025, Deduct		*-4.17*
		For >2025, Deduct		*-6.68*

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Exterior Masonry Removal *(02 41 19 13)*

02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*

02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal	16.29
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	25.45
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	32.61
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	40.82
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	50.15
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	28.16

02 41 19 13-0009 Masonry Chimney Removal *(02 41 19 13-0001)*

02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	33.04
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	24.81
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.98
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.15

02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	20.33
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	30.34
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	57.86

02 41 19 13-0018 Facade Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	6.20
		For Cleaning and Storage For Reuse, Add	*9.30*

02 41 19 13-0020 Exterior Masonry Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.46
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	6.15
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.44
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	8.14
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.93
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	11.17
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.45
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.38
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.93
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.77
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.72
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	13.40
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	5.46
		For Cleaning and Storage For Reuse, Add	*8.19*
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	6.15
		For Cleaning and Storage For Reuse, Add	*9.23*
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	7.44
		For Cleaning and Storage For Reuse, Add	*11.16*
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	8.14
		For Cleaning and Storage For Reuse, Add	*12.21*
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	8.93
		For Cleaning and Storage For Reuse, Add	*13.40*
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	11.17
		For Cleaning and Storage For Reuse, Add	*16.76*
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	15.87
		For Cleaning and Storage For Reuse, Add	*23.81*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0040		**Lintel Removal** *(02 41 19 13-0001)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0041	LF	Demolish Steel Lintel		12.56
02 41 19 13-0042	LF	Demolish Concrete Or Stone Lintel		16.75
02 41 19 13-0043	LF	Demolish Steel Shelf Angle		13.26
02 41 19 13-0044		**Reinstall Lintel** *(02 41 19 13-0001)* Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.		
02 41 19 13-0045	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel		7.34
02 41 19 13-0046	LF	Reinstall Existing Concrete Or Stone Lintel		16.75
02 41 19 13-0047	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.		48.48
02 41 19 13-0048	LF	Reinstall Existing Steel Lintel		18.62
02 41 19 13-0049	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls		82.29
02 41 19 13-0050	LF	Removal And Replacement Of Steel Lintel Over Window Openings		157.59
02 41 19 13-0051		**Exterior Concrete Wall Removal** *(02 41 19 13)*		
02 41 19 13-0052	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall		7.18
02 41 19 13-0053	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall		13.03
02 41 19 13-0054	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall		16.38
02 41 19 13-0055	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall		19.32
02 41 19 13-0056	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall		22.83
02 41 19 13-0057		**Elevated Concrete Removal** *(02 41 19 13)*		
02 41 19 13-0058	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced		13.95
02 41 19 13-0059		**Saw Cutting** *(02 41 19 13)* Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0060	LF	Bituminous Paving Up To 4" Depth, Saw Cut		2.44
		For Each Additional Pass (Depth To 3"), Add		*0.95*
		For >250, Deduct		*-0.24*
02 41 19 13-0061	LF	Brick Masonry Up To 4" Depth, Saw Cut		9.30
		For Each Additional Pass (Depth To 3"), Add		*3.69*
		For >250, Deduct		*-0.92*
02 41 19 13-0062	LF	Concrete Block Up To 4" Depth, Saw Cut		8.40
		For Each Additional Pass (Depth To 3"), Add		*3.33*
		For >250, Deduct		*-0.83*
02 41 19 13-0063	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut		2.79
		For Each Additional Pass (Depth To 3"), Add		*1.08*
		For >250, Deduct		*-0.27*
02 41 19 13-0064	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut		3.70
		For Each Additional Pass (Depth To 3"), Add		*1.44*
		For >250, Deduct		*-0.36*
02 41 19 13-0065	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut		6.16
		For Each Additional Pass (Depth To 3"), Add		*2.42*
		For >250, Deduct		*-0.60*
02 41 19 13-0066	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut		11.90
		For Each Additional Pass (Depth To 3"), Add		*4.72*
		For >250, Deduct		*-1.18*
02 41 19 13-0067	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth		15.99
		For Each Additional Pass (Depth To 3"), Add		*6.35*
		For >250, Deduct		*-1.58*
02 41 19 13-0068	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets		3.23
		For Each Additional Pass (Depth To 3"), Add		*1.17*
		For >250, Deduct		*-0.28*
02 41 19 13-0069	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut		8.42
		For Each Additional Pass (Depth To 3"), Add		*3.33*
		For >250, Deduct		*-0.83*
02 41 19 13-0070	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut		8.42
		For Each Additional Pass (Depth To 3"), Add		*3.33*
		For >250, Deduct		*-0.83*
02 41 19 13-0071	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut		8.42
		For Each Additional Pass (Depth To 3"), Add		*3.33*
		For >250, Deduct		*-0.83*
02 41 19 13-0072	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut		8.42
		For Each Additional Pass (Depth To 3"), Add		*3.33*
		For >250, Deduct		*-0.83*
02 41 19 13-0073	EA	Saw Cut Minimum Charge Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		1,149.09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0074		**Torch Cutting** *(02 41 19 13)* Note: Includes grinding edge		
02 41 19 13-0075	LF	Up To 1/2", Torch Cut Steel Plate	3.02	
02 41 19 13-0076	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.04	
02 41 19 13-0077	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.06	
02 41 19 13-0078	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.08	
02 41 19 13-0079	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.10	
02 41 19 13-0080	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	18.11	
02 41 19 13-0081	EA	Torch Cutting Minimum Charge Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	997.29	
02 41 19 13-0082		**Drilling In Existing Materials** *(02 41 19 13)* Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0083		**Concrete Core Drilling** *(02 41 19 13-0082)*		
02 41 19 13-0084		**Up To 4" Thick Concrete Core Drilling** *(02 41 19 13-0083)*		
02 41 19 13-0085	EA	Drill 1" Diameter Core In Up To 4" Concrete	45.66	
		For Horizontal Cores, Add	*9.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.07*	
02 41 19 13-0086	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	50.66	
		For Horizontal Cores, Add	*10.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.07*	
02 41 19 13-0087	EA	Drill 2" Diameter Core In Up To 4" Concrete	56.25	
		For Horizontal Cores, Add	*11.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.30*	
02 41 19 13-0088	EA	Drill 3" Diameter Core In Up To 4" Concrete	80.32	
		For Horizontal Cores, Add	*15.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.86*	
02 41 19 13-0089	EA	Drill 4" Diameter Core In Up To 4" Concrete	107.62	
		For Horizontal Cores, Add	*21.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.70*	
02 41 19 13-0090	EA	Drill 6" Diameter Core In Up To 4" Concrete	120.59	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.79*	
02 41 19 13-0091	EA	Drill 8" Diameter Core In Up To 4" Concrete	192.71	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0092	EA	Drill 10" Diameter Core In Up To 4" Concrete	241.06	
		For Horizontal Cores, Add	*47.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.59*	
02 41 19 13-0093	EA	Drill 12" Diameter Core In Up To 4" Concrete	281.31	
		For Horizontal Cores, Add	*55.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.53*	
02 41 19 13-0094	EA	Drill 14" Diameter Core In Up To 4" Concrete	321.57	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.44*	
02 41 19 13-0095	EA	Drill 18" Diameter Core In Up To 4" Concrete	362.23	
		For Horizontal Cores, Add	*71.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.37*	
02 41 19 13-0096		**>4" To 6" Thick Concrete Core Drilling** *(02 41 19 13-0083)*		
02 41 19 13-0097	EA	Drill 1" Diameter Core In >4" To 6" Concrete	65.26	
		For Horizontal Cores, Add	*12.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.80*	
02 41 19 13-0098	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	72.42	
		For Horizontal Cores, Add	*14.33*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.67*	
02 41 19 13-0099	EA	Drill 2" Diameter Core In >4" To 6" Concrete	80.39	
		For Horizontal Cores, Add	*15.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.86*	
02 41 19 13-0100	EA	Drill 3" Diameter Core In >4" To 6" Concrete	96.62	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0101	EA	Drill 4" Diameter Core In >4" To 6" Concrete	120.84	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.79*	
02 41 19 13-0102	EA	Drill 6" Diameter Core In >4" To 6" Concrete	161.00	
		For Horizontal Cores, Add	*31.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.72*	
02 41 19 13-0103	EA	Drill 8" Diameter Core In >4" To 6" Concrete	241.29	
		For Horizontal Cores, Add	*47.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.59*	
02 41 19 13-0104	EA	Drill 10" Diameter Core In >4" To 6" Concrete	281.93	
		For Horizontal Cores, Add	*55.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.53*	
02 41 19 13-0105	EA	Drill 12" Diameter Core In >4" To 6" Concrete	322.33	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.44*	
02 41 19 13-0106	EA	Drill 14" Diameter Core In >4" To 6" Concrete	362.95	
		For Horizontal Cores, Add	*71.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0107	EA	Drill 18" Diameter Core In >4" To 6" Concrete	404.15	
		For Horizontal Cores, Add	*79.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.31*	

02 41 19 13-0108 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0109	EA	Drill 1" Diameter Core In >6" To 8" Concrete	71.99	
		For Horizontal Cores, Add	*14.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.39*	
02 41 19 13-0110	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	79.88	
		For Horizontal Cores, Add	*15.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.54*	
02 41 19 13-0111	EA	Drill 2" Diameter Core In >6" To 8" Concrete	88.65	
		For Horizontal Cores, Add	*17.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.05*	
02 41 19 13-0112	EA	Drill 3" Diameter Core In >6" To 8" Concrete	104.96	
		For Horizontal Cores, Add	*20.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.42*	
02 41 19 13-0113	EA	Drill 4" Diameter Core In >6" To 8" Concrete	137.24	
		For Horizontal Cores, Add	*27.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.16*	
02 41 19 13-0114	EA	Drill 6" Diameter Core In >6" To 8" Concrete	193.46	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0115	EA	Drill 8" Diameter Core In >6" To 8" Concrete	321.69	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.44*	
02 41 19 13-0116	EA	Drill 10" Diameter Core In >6" To 8" Concrete	362.56	
		For Horizontal Cores, Add	*71.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.37*	
02 41 19 13-0117	EA	Drill 12" Diameter Core In >6" To 8" Concrete	403.24	
		For Horizontal Cores, Add	*79.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.31*	
02 41 19 13-0118	EA	Drill 14" Diameter Core In >6" To 8" Concrete	444.13	
		For Horizontal Cores, Add	*87.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*175.21*	
02 41 19 13-0119	EA	Drill 18" Diameter Core In >6" To 8" Concrete	485.88	
		For Horizontal Cores, Add	*95.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*191.18*	

02 41 19 13-0120 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0121	EA	Drill 1" Diameter Core In >8" To 10" Concrete	85.16	
		For Horizontal Cores, Add	*16.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.55*	
02 41 19 13-0122	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	94.48	
		For Horizontal Cores, Add	*18.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.28*	
02 41 19 13-0123	EA	Drill 2" Diameter Core In >8" To 10" Concrete	104.83	
		For Horizontal Cores, Add	*20.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.42*	
02 41 19 13-0124	EA	Drill 3" Diameter Core In >8" To 10" Concrete	121.25	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.79*	
02 41 19 13-0125	EA	Drill 4" Diameter Core In >8" To 10" Concrete	137.72	
		For Horizontal Cores, Add	*27.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.16*	
02 41 19 13-0126	EA	Drill 6" Diameter Core In >8" To 10" Concrete	194.03	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0127	EA	Drill 8" Diameter Core In >8" To 10" Concrete	322.47	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.44*	
02 41 19 13-0128	EA	Drill 10" Diameter Core In >8" To 10" Concrete	363.59	
		For Horizontal Cores, Add	*71.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.37*	
02 41 19 13-0129	EA	Drill 12" Diameter Core In >8" To 10" Concrete	404.40	
		For Horizontal Cores, Add	*79.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.28*	
02 41 19 13-0130	EA	Drill 14" Diameter Core In >8" To 10" Concrete	445.69	
		For Horizontal Cores, Add	*87.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*175.21*	
02 41 19 13-0131	EA	Drill 18" Diameter Core In >8" To 10" Concrete	487.82	
		For Horizontal Cores, Add	*95.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*191.13*	

02 41 19 13-0132 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0133	EA	Drill 1" Diameter Core In >10" To 12" Concrete	91.89	
		For Horizontal Cores, Add	*18.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.14*	
02 41 19 13-0134	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	101.92	
		For Horizontal Cores, Add	*20.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0135	EA	Drill 2" Diameter Core In >10" To 12" Concrete	113.08	
		For Horizontal Cores, Add	*22.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.61*	
02 41 19 13-0136	EA	Drill 3" Diameter Core In >10" To 12" Concrete	121.62	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.79*	
02 41 19 13-0137	EA	Drill 4" Diameter Core In >10" To 12" Concrete	162.09	
		For Horizontal Cores, Add	*31.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.72*	
02 41 19 13-0138	EA	Drill 6" Diameter Core In >10" To 12" Concrete	210.54	
		For Horizontal Cores, Add	*41.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.85*	
02 41 19 13-0139	EA	Drill 8" Diameter Core In >10" To 12" Concrete	339.22	
		For Horizontal Cores, Add	*66.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.82*	
02 41 19 13-0140	EA	Drill 10" Diameter Core In >10" To 12" Concrete	364.62	
		For Horizontal Cores, Add	*71.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.37*	
02 41 19 13-0141	EA	Drill 12" Diameter Core In >10" To 12" Concrete	421.69	
		For Horizontal Cores, Add	*82.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*165.70*	

02 41 19 13-0142 >12" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0143	IN	Drill 1" Diameter Core In >12" Concrete	11.18	
		For Horizontal Cores, Add	*2.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.42*	
02 41 19 13-0144	IN	Drill 1-1/2" Diameter Core In >12" Concrete	12.40	
		For Horizontal Cores, Add	*2.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.91*	
02 41 19 13-0145	IN	Drill 2" Diameter Core In >12" Concrete	13.76	
		For Horizontal Cores, Add	*2.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.45*	
02 41 19 13-0146	IN	Drill 3" Diameter Core In >12" Concrete	15.11	
		For Horizontal Cores, Add	*2.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.97*	
02 41 19 13-0147	IN	Drill 4" Diameter Core In >12" Concrete	20.13	
		For Horizontal Cores, Add	*3.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.96*	
02 41 19 13-0148	IN	Drill 6" Diameter Core In >12" Concrete	26.19	
		For Horizontal Cores, Add	*5.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.36*	
02 41 19 13-0149	IN	Drill 8" Diameter Core In >12" Concrete	42.24	
		For Horizontal Cores, Add	*8.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.74*	
02 41 19 13-0150	IN	Drill 10" Diameter Core In >12" Concrete	45.51	
		For Horizontal Cores, Add	*9.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.00*	
02 41 19 13-0151	IN	Drill 12" Diameter Core In >12" Concrete	52.43	
		For Horizontal Cores, Add	*10.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.72*	

02 41 19 13-0152 Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0153 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0154	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	36.63	
		For Horizontal Cores, Add	*7.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.46*	
02 41 19 13-0155	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	40.63	
		For Horizontal Cores, Add	*8.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.06*	
02 41 19 13-0156	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	45.10	
		For Horizontal Cores, Add	*8.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.84*	
02 41 19 13-0157	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	64.39	
		For Horizontal Cores, Add	*12.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.49*	
02 41 19 13-0158	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	86.27	
		For Horizontal Cores, Add	*17.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.16*	
02 41 19 13-0159	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	96.70	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0160	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	154.47	
		For Horizontal Cores, Add	*30.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.18*	
02 41 19 13-0161	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	193.26	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.47*	
02 41 19 13-0162	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	225.55	
		For Horizontal Cores, Add	*44.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0163	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	257.86	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0164	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	290.55	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0165		>4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*		
02 41 19 13-0166	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	52.36	
		For Horizontal Cores, Add	*10.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.64*	
02 41 19 13-0167	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	58.09	
		For Horizontal Cores, Add	*11.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.94*	
02 41 19 13-0168	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	64.47	
		For Horizontal Cores, Add	*12.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.49*	
02 41 19 13-0169	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	77.50	
		For Horizontal Cores, Add	*15.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.59*	
02 41 19 13-0170	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	96.95	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0171	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	129.14	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0172	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	193.49	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.47*	
02 41 19 13-0173	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	226.17	
		For Horizontal Cores, Add	*44.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.22*	
02 41 19 13-0174	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	258.62	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0175	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	291.27	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0176	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	324.49	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.45*	
02 41 19 13-0177		>6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*		
02 41 19 13-0178	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	57.80	
		For Horizontal Cores, Add	*11.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.71*	
02 41 19 13-0179	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	64.11	
		For Horizontal Cores, Add	*12.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.24*	
02 41 19 13-0180	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	71.12	
		For Horizontal Cores, Add	*14.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.04*	
02 41 19 13-0181	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	84.24	
		For Horizontal Cores, Add	*16.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.14*	
02 41 19 13-0182	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	110.16	
		For Horizontal Cores, Add	*21.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.33*	
02 41 19 13-0183	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	155.22	
		For Horizontal Cores, Add	*30.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.18*	
02 41 19 13-0184	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	257.98	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0185	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	290.88	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0186	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	323.58	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.45*	
02 41 19 13-0187	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	356.52	
		For Horizontal Cores, Add	*70.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*140.17*	
02 41 19 13-0188	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	390.29	
		For Horizontal Cores, Add	*76.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.94*	
02 41 19 13-0189		>8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*		
02 41 19 13-0190	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	68.38	
		For Horizontal Cores, Add	*13.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.84*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0191	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	75.84	
		For Horizontal Cores, Add	*14.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.82*	
02 41 19 13-0192	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	84.12	
		For Horizontal Cores, Add	*16.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.14*	
02 41 19 13-0193	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	97.36	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0194	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	110.64	
		For Horizontal Cores, Add	*21.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.33*	
02 41 19 13-0195	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	155.79	
		For Horizontal Cores, Add	*30.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.18*	
02 41 19 13-0196	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	258.76	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0197	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	291.91	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0198	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	324.76	
		For Horizontal Cores, Add	*63.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.42*	
02 41 19 13-0199	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	358.08	
		For Horizontal Cores, Add	*70.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*140.17*	
02 41 19 13-0200	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	392.26	
		For Horizontal Cores, Add	*76.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.91*	

02 41 19 13-0201 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0202	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	73.81	
		For Horizontal Cores, Add	*14.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.90*	
02 41 19 13-0203	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	81.85	
		For Horizontal Cores, Add	*16.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.12*	
02 41 19 13-0204	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	90.77	
		For Horizontal Cores, Add	*17.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.69*	
02 41 19 13-0205	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	97.73	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0206	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	130.23	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0207	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	169.12	
		For Horizontal Cores, Add	*33.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.28*	
02 41 19 13-0208	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	272.30	
		For Horizontal Cores, Add	*53.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*107.06*	
02 41 19 13-0209	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	292.94	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0210	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	338.84	
		For Horizontal Cores, Add	*66.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*132.56*	

02 41 19 13-0211 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0212	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	8.96	
		For Horizontal Cores, Add	*1.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.53*	
02 41 19 13-0213	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.95	
		For Horizontal Cores, Add	*1.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.93*	
02 41 19 13-0214	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.03	
		For Horizontal Cores, Add	*2.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.36*	
02 41 19 13-0215	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.13	
		For Horizontal Cores, Add	*2.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.78*	
02 41 19 13-0216	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	16.15	
		For Horizontal Cores, Add	*3.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.37*	
02 41 19 13-0217	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	21.00	
		For Horizontal Cores, Add	*4.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.29*	
02 41 19 13-0218	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	33.88	
		For Horizontal Cores, Add	*6.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0219	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	36.51	
		For Horizontal Cores, Add	*7.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.40*	
02 41 19 13-0220	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	42.06	
		For Horizontal Cores, Add	*8.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.58*	
02 41 19 13-0221		Asphalt Core Drilling *(02 41 19 13-0082)*		
02 41 19 13-0222		Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0221)*		
02 41 19 13-0223	EA	Drill 1" Diameter Core In Up To 2" Asphalt	21.91	
02 41 19 13-0224	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	27.39	
02 41 19 13-0225	EA	Drill 2" Diameter Core In Up To 2" Asphalt	34.24	
02 41 19 13-0226	EA	Drill 3" Diameter Core In Up To 2" Asphalt	42.47	
02 41 19 13-0227	EA	Drill 4" Diameter Core In Up To 2" Asphalt	53.45	
02 41 19 13-0228	EA	Drill 6" Diameter Core In Up To 2" Asphalt	67.15	
02 41 19 13-0229	EA	Drill 8" Diameter Core In Up To 2" Asphalt	83.63	
02 41 19 13-0230	EA	Drill 10" Diameter Core In Up To 2" Asphalt	104.15	
02 41 19 13-0231	EA	Drill 12" Diameter Core In Up To 2" Asphalt	130.17	
02 41 19 13-0232		>2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0221)*		
02 41 19 13-0233	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	27.38	
02 41 19 13-0234	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	35.59	
02 41 19 13-0235	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	43.81	
02 41 19 13-0236	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	54.78	
02 41 19 13-0237	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	68.48	
02 41 19 13-0238	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	86.29	
02 41 19 13-0239	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	106.88	
02 41 19 13-0240	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	134.24	
02 41 19 13-0241	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	167.09	
02 41 19 13-0242		>3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0221)*		
02 41 19 13-0243	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	35.60	
02 41 19 13-0244	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	45.20	
02 41 19 13-0245	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	56.15	
02 41 19 13-0246	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	69.86	
02 41 19 13-0247	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	87.70	
02 41 19 13-0248	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	109.63	
02 41 19 13-0249	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	137.10	
02 41 19 13-0250	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	171.31	
02 41 19 13-0251	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	213.76	
02 41 19 13-0252		>4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0221)*		
02 41 19 13-0253	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	46.58	
02 41 19 13-0254	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	57.58	
02 41 19 13-0255	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	71.27	
02 41 19 13-0256	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	90.51	
02 41 19 13-0257	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	112.48	
02 41 19 13-0258	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	139.91	
02 41 19 13-0259	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	175.67	
02 41 19 13-0260	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	219.48	
02 41 19 13-0261	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	274.28	
02 41 19 13-0262		Manhole Core Drilling *(02 41 19 13-0082)*		
02 41 19 13-0263	EA	Drill 4" Diameter Core In 6" Brick Manhole	239.90	
02 41 19 13-0264	EA	Drill 5" Diameter Core In 6" Brick Manhole	274.16	
02 41 19 13-0265	EA	Drill 6" Diameter Core In 6" Brick Manhole	319.73	
02 41 19 13-0266	EA	Drill 8" Diameter Core In 6" Brick Manhole	479.50	
02 41 19 13-0267	EA	Drill 2" Diameter Core In 8" Concrete Manhole	321.43	
02 41 19 13-0268	EA	Drill 3" Diameter Core In 8" Concrete Manhole	342.25	
02 41 19 13-0269	EA	Drill 4" Diameter Core In 8" Concrete Manhole	376.78	
02 41 19 13-0270	EA	Drill 5" Diameter Core In 8" Concrete Manhole	404.26	
02 41 19 13-0271	EA	Drill 6" Diameter Core In 8" Concrete Manhole	479.47	
02 41 19 13-0272	EA	Drill 8" Diameter Core In 8" Concrete Manhole	684.81	
02 41 19 13-0273	EA	Drill 2" Diameter Core In Fiberglass Manhole	31.88	
02 41 19 13-0274	EA	Drill 3" Diameter Core In Fiberglass Manhole	36.80	
02 41 19 13-0275	EA	Drill 4" Diameter Core In Fiberglass Manhole	39.88	
02 41 19 13-0276	EA	Drill 5" Diameter Core In Fiberglass Manhole	43.50	
02 41 19 13-0277	EA	Drill 6" Diameter Core In Fiberglass Manhole	47.86	
02 41 19 13-0278	EA	Drill 8" Diameter Core In Fiberglass Manhole	53.17	
02 41 19 13-0279		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0082)*		
		Note: Includes layout.		
02 41 19 13-0280	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.34	
02 41 19 13-0281	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.48	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0282	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.62	
02 41 19 13-0283	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.81	
02 41 19 13-0284	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.99	
02 41 19 13-0285	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.29	
02 41 19 13-0286	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.55	
02 41 19 13-0287	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.73	
02 41 19 13-0288	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.40	
02 41 19 13-0289	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	4.13	
02 41 19 13-0290	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.40	
02 41 19 13-0291	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.67	
02 41 19 13-0292	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	5.18	
02 41 19 13-0293	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	6.02	
02 41 19 13-0294		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0082)*		
		Note: Includes layout.		
02 41 19 13-0295	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.96	
02 41 19 13-0296	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.07	
02 41 19 13-0297	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.18	
02 41 19 13-0298	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.34	
02 41 19 13-0299	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.49	
02 41 19 13-0300	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.73	
02 41 19 13-0301	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.96	
02 41 19 13-0302	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.11	
02 41 19 13-0303	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.28	
02 41 19 13-0304	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.44	
02 41 19 13-0305	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.67	
02 41 19 13-0306	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.90	
02 41 19 13-0307	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.34	
02 41 19 13-0308	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	5.02	
02 41 19 13-0309		Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0082)*		
		Note: Includes layout.		
02 41 19 13-0310	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.97	
02 41 19 13-0311	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.03	
02 41 19 13-0312	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.09	
02 41 19 13-0313	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.17	
02 41 19 13-0314	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.24	
02 41 19 13-0315	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.36	
02 41 19 13-0316	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.47	
02 41 19 13-0317	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.56	
02 41 19 13-0318	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.63	
02 41 19 13-0319	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.71	
02 41 19 13-0320	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.82	
02 41 19 13-0321	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.94	
02 41 19 13-0322	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.16	
02 41 19 13-0323	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.50	
02 41 19 13-0324		Limestone Core Drilling *(02 41 19 13-0082)*		
02 41 19 13-0325		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0324)*		
02 41 19 13-0326	EA	Drill 1" Diameter Core In 10" To 14" Limestone	68.81	
02 41 19 13-0327	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	82.64	
02 41 19 13-0328	EA	Drill 2" Diameter Core In 10" To 14" Limestone	89.65	
02 41 19 13-0329	EA	Drill 3" Diameter Core In 10" To 14" Limestone	103.67	
02 41 19 13-0330	EA	Drill 4" Diameter Core In 10" To 14" Limestone	117.71	
02 41 19 13-0331	EA	Drill 6" Diameter Core In 10" To 14" Limestone	165.88	
02 41 19 13-0332	EA	Drill 8" Diameter Core In 10" To 14" Limestone	275.78	
02 41 19 13-0333		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0324)*		
02 41 19 13-0334	EA	Drill 1" Diameter Core In 15" To 18" Limestone	75.76	
02 41 19 13-0335	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	89.63	
02 41 19 13-0336	EA	Drill 2" Diameter Core In 15" To 18" Limestone	96.68	
02 41 19 13-0337	EA	Drill 3" Diameter Core In 15" To 18" Limestone	103.97	
02 41 19 13-0338	EA	Drill 4" Diameter Core In 15" To 18" Limestone	138.56	
02 41 19 13-0339	EA	Drill 6" Diameter Core In 15" To 18" Limestone	179.96	
02 41 19 13-0340	EA	Drill 8" Diameter Core In 15" To 18" Limestone	290.16	
02 41 19 13-0341		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0324)*		
02 41 19 13-0342	EA	Drill 1" Diameter Core In 19" To 24" Limestone	82.70	
02 41 19 13-0343	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	96.60	
02 41 19 13-0344	EA	Drill 2" Diameter Core In 19" To 24" Limestone	103.69	
02 41 19 13-0345	EA	Drill 3" Diameter Core In 19" To 24" Limestone	117.84	
02 41 19 13-0346	EA	Drill 4" Diameter Core In 19" To 24" Limestone	166.17	
02 41 19 13-0347	EA	Drill 6" Diameter Core In 19" To 24" Limestone	207.66	
02 41 19 13-0348	EA	Drill 8" Diameter Core In 19" To 24" Limestone	311.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0349		**Minimum Charge For Core Drilling** *(02 41 19 13-0082)*		
02 41 19 13-0350	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	925.54	
02 41 19 13-0351		**Cutouts** *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0352		**Reinforced Concrete Slab On Grade Cutouts** *(02 41 19 13-0351)*		
02 41 19 13-0353	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	54.97	
02 41 19 13-0354	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.30	
02 41 19 13-0355	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.64	
02 41 19 13-0356	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	64.97	
02 41 19 13-0357	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	66.63	
02 41 19 13-0358		**Reinforced Concrete Elevated Slab Cutouts** *(02 41 19 13-0351)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0359	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.00	
02 41 19 13-0360	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.05	
02 41 19 13-0361	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.11	
02 41 19 13-0362	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	79.17	
02 41 19 13-0363	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	81.20	
02 41 19 13-0364		**Reinforced Concrete Wall Cutouts** *(02 41 19 13-0351)*		
02 41 19 13-0365	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	68.71	
02 41 19 13-0366	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	72.87	
02 41 19 13-0367	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.04	
02 41 19 13-0368	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	81.20	
02 41 19 13-0369	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	83.29	
02 41 19 13-0370		**Brick Wall Cutouts** *(02 41 19 13-0351)* Note: Excludes toothing.		
02 41 19 13-0371	SF	4" Thick Brick Wall Cutouts, <24 SF	20.82	
02 41 19 13-0372	SF	6" Thick Brick Wall Cutouts, <24 SF	34.36	
02 41 19 13-0373	SF	8" Thick Brick Wall Cutouts, <24 SF	47.84	
02 41 19 13-0374	SF	10" Thick Brick Wall Cutouts, <24 SF	58.30	
02 41 19 13-0375	SF	12" Thick Brick Wall Cutouts, <24 SF	69.75	
02 41 19 13-0376	SF	16" Thick Brick Wall Cutouts, <24 SF	82.24	
02 41 19 13-0377		**Concrete Block Wall Cutouts** *(02 41 19 13-0351)* Note: Excludes toothing.		
02 41 19 13-0378	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	34.44	
02 41 19 13-0379	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	36.48	
02 41 19 13-0380	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	38.52	
02 41 19 13-0381	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	40.60	
02 41 19 13-0382	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	41.64	
02 41 19 13-0383	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	43.73	
02 41 19 13-0384		**Limestone Cutouts** *(02 41 19 13-0351)*		
02 41 19 13-0385	SF	2" Thick Limestone Cutouts, <24 SF	58.30	
02 41 19 13-0386	SF	4" Thick Limestone Cutouts, <24 SF	70.79	
02 41 19 13-0387	SF	6" Thick Limestone Cutouts, <24 SF	74.96	
02 41 19 13-0388	SF	8" Thick Limestone Cutouts, <24 SF	79.12	
02 41 19 13-0389	SF	10" Thick Limestone Cutouts, <24 SF	83.29	
02 41 19 13-0390	SF	12" Thick Limestone Cutouts, <24 SF	87.45	
02 41 19 13-0391		**Toothing Masonry Cutouts** *(02 41 19 13-0351)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0392	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	20.82	
02 41 19 13-0393	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	28.11	
02 41 19 13-0394	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	12.49	
02 41 19 13-0395	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	16.65	
02 41 19 13-0396		**Minimum Charge For Cutouts** *(02 41 19 13-0351)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0397	EA	Cutouts Minimum Charge	416.43	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16		**Selective Interior Demolition** *(02 41 19)*		
		Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001		Floor Removal *(02 41 19 16)*		
02 41 19 16-0002		Scarify Concrete *(02 41 19 16-0001)*		
		Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF	Scarify Concrete Floor		0.29
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser		2.42
02 41 19 16-0005	SF	Scarify Concrete Wall		2.19
02 41 19 16-0006		Fireproofing Removal *(02 41 19 16)*		
02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel		1.38
02 41 19 16-0008		Demolish Ceiling *(02 41 19 16)*		
02 41 19 16-0009	SF	Demolish Drywall Ceiling		1.07
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling		2.49
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System		1.91
02 41 19 16-0012		Demolish Concrete Stair *(02 41 19 16)*		
02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs		8.93
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs		7.49
02 41 19 16-0015		Demolish Interior Partition/Wall *(02 41 19 16)*		
		Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016		Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0015)*		
		Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017		Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.79
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.17
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.96
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		8.94
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		11.17
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		6.94
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		7.41
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		8.37
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		10.73
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		13.41
02 41 19 16-0028		Demolish Brick Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.79
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall		6.96
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall		8.93
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall		11.17
02 41 19 16-0033		Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls		4.96
02 41 19 16-0035		Demolish Concrete Interior Partition/Walls *(02 41 19 16-0016)*		
		See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		10.52
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		13.15
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		18.41
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		12.62
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		15.87
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		22.09
02 41 19 16-0042		Demolish Terra-Cotta Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		1.99
02 41 19 16-0044		Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.52
		For Heights >14' To 20', Add		*0.53*
		For Heights >20', Add		*0.70*
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		4.10
		For Heights >14' To 20', Add		*0.62*
		For Heights >20', Add		*0.82*
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.49
		For Heights >14' To 20', Add		*0.67*
		For Heights >20', Add		*0.90*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	6.25	
		For Heights >14' To 20', Add	*0.94*	
		For Heights >20', Add	*1.25*	
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.85	
		For Heights >14' To 20', Add	*0.28*	
		For Heights >20', Add	*0.37*	
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	2.21	
		For Heights >14' To 20', Add	*0.33*	
		For Heights >20', Add	*0.44*	

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	323.73

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001 Flooring Remove And Salvage For Re-Use *(02 42 21 47)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	2.95
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.95
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	4.07
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.38
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.26
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.90

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	38.99
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	36.85
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	34.50
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	31.29
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	29.24
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	25.87
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	37.89
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	34.50
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	29.24

02 50 Site Remediation *(02)*

02 58 Snow Control *(02 50)*

02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001 Snow/Sand Fence On Steel Posts *(02 58 13)*

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	8.23	2.34

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil. Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.44
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil	8.29
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil	75.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 61 13 00-0005 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.59
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.95

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,293.48
		For Work In Restricted Working Space, Add	*388.04*
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	85.74
		For Work In Restricted Working Space, Add	*25.72*
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	57.16
		For Work In Restricted Working Space, Add	*17.15*
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	42.94
		For Work In Restricted Working Space, Add	*12.88*
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	34.30
		For Work In Restricted Working Space, Add	*10.29*
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	29.15
		For Work In Restricted Working Space, Add	*8.75*
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	26.23
		For Work In Restricted Working Space, Add	*7.87*

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0048 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	24.45
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	24.45
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	24.45

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	202.69
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	78.82
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	189.62
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	202.69
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	157.65
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	427.90
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	788.24
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	94.81
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	168.91
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	225.21
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	252.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	33.78	
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	33.78	
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	33.78	
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	63.06	
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	360.34	
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	130.36	
02 65 00 00-0024	EA	pH, Lab Test	27.03	
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	337.82	
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	202.69	
02 65 00 00-0027		Tests, Surveys And Maintenance For Underground Storage Tank *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,130.47	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	197.74	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	45.67	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	320.14	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	178.38	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	255.97	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	352.32	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	209.45	
02 65 00 00-0036		Tests And Sampling Labor Hours *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	113.38	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	122.50	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	131.53	
02 65 00 00-0040		Remove Tank Contents *(02 65)*		
02 65 00 00-0041		Transfer Liquid *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.62	
02 65 00 00-0043		Remove And Dispose Of Liquid From Tank *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.86	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.83	
02 65 00 00-0046		Remove And Dispose Of Solids Or Sludge *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	7.01	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.57	
02 65 00 00-0049		Purge Vapors, Open And Clean Tank *(02 65)*		
02 65 00 00-0050		Purge Vapors *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	5.16	
02 65 00 00-0052		High Pressure Water Wash And Rinse Of Tank Interior *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	345.94	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	453.99	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	589.27	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	797.89	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,547.50	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,860.81	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,135.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,581.15	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,329.33	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,002.81	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,073.81	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,249.01	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	7,646.27	

02 65 00 00-0066 Scrape Clean Tank Exterior *(02 65 00 00-0049)*

02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	256.22	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	341.19	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	447.06	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	619.09	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,371.00	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,735.97	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,031.41	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,553.77	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,319.27	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,166.34	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,424.93	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,509.91	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,137.39	

02 65 00 00-0080 Tank And Piping Removal *(02 65)*

Note: Excludes excavation.

02 65 00 00-0081 Removal And Disposal Of Piping *(02 65 00 00-0080)*

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	20.27	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	27.03	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement *(02 65 00 00-0080)*

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	734.56	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	891.97	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,049.39	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,311.73	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,836.41	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,308.64	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,623.45	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,148.15	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,197.52	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,031.91	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,896.36	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,898.23	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,622.79	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary *(02 65 00 00-0080)*

Note: Includes 1 lengthwise at every 4' on-center height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	856.86	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,597.93	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,922.15	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,142.16	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,570.59	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,195.88	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,844.32	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,805.39	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,006.74	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,508.41	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)*

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	318.33	
		For Each Additional Mile >15 Miles, Add	*4.90*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	431.05	
		For Each Additional Mile >15 Miles, Add	*6.19*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	677.14	
		For Each Additional Mile >15 Miles, Add	*9.29*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,044.70	
		For Each Additional Mile >15 Miles, Add	*10.84*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,843.57	
		For Each Additional Mile >15 Miles, Add	*19.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,905.49	
		For Each Additional Mile >15 Miles, Add	*20.64*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,008.68	
		For Each Additional Mile >15 Miles, Add	*23.22*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,909.19	
		For Each Additional Mile >15 Miles, Add	*30.96*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,996.99	
		For Each Additional Mile >15 Miles, Add	*46.44*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,672.04	
		For Each Additional Mile >15 Miles, Add	*51.60*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,777.61	
		For Each Additional Mile >15 Miles, Add	*61.92*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	8,066.07	
		For Each Additional Mile >15 Miles, Add	*74.30*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,734.46	
		For Each Additional Mile >15 Miles, Add	*85.44*	

02 65 00 00-0123 Other Storage Tank Removals *(02 65 00 00-0080)*

02 65 00 00-0124	GAL	Removal Of Cement Lining	0.64
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.23
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.50

02 65 00 00-0127 Tank Closure Report *(02 65 00 00-0080)*

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	3,303.86

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	937.13
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	937.13
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,874.25
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,405.69
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,279.95
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,342.82
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,068.30
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	7,272.33
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	12,281.09

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,030.44

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	658.04
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	103.41
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	470.02
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	846.04
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	112.85

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	104.60
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	61.22
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	71.77
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	113.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	196.32	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	238.54	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	48.55	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	59.11	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	80.22	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	61.22	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	71.77	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	113.99	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	196.32	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	225.88	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	314.54	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.74
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.37
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.54
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.79
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.50
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.61

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,311.03	
		For Work In Restricted Working Space, Add	*388.04*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	44.98	
		For Work In Restricted Working Space, Add	*13.23*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	33.96	
		For Work In Restricted Working Space, Add	*9.92*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.69	
		For Work In Restricted Working Space, Add	*7.44*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.48	
		For Work In Restricted Working Space, Add	*5.58*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	17.06	
		For Work In Restricted Working Space, Add	*4.85*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,328.57	
		For Work In Restricted Working Space, Add	*388.04*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	52.47	
		For Work In Restricted Working Space, Add	*15.22*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	39.78	
		For Work In Restricted Working Space, Add	*11.41*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	30.27	
		For Work In Restricted Working Space, Add	*8.56*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	23.14	
		For Work In Restricted Working Space, Add	*6.42*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.35	
		For Work In Restricted Working Space, Add	*5.58*	

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,346.12	
		For Work In Restricted Working Space, Add	*388.04*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	69.96	
		For Work In Restricted Working Space, Add	*20.29*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	53.04	
		For Work In Restricted Working Space, Add	*15.21*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	40.37	
		For Work In Restricted Working Space, Add	*11.41*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	30.85	
		For Work In Restricted Working Space, Add	*8.55*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	27.15	
		For Work In Restricted Working Space, Add	*7.44*	

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,363.67	
		For Work In Restricted Working Space, Add	*388.04*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	96.20	
		For Work In Restricted Working Space, Add	*27.89*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	72.93	
		For Work In Restricted Working Space, Add	*20.91*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	55.51	
		For Work In Restricted Working Space, Add	*15.69*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	42.42	
		For Work In Restricted Working Space, Add	*11.76*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	37.33	
		For Work In Restricted Working Space, Add	*10.23*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	842.04	
		For Work In Restricted Working Space, Add	*251.03*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	141.21	
		For Work In Restricted Working Space, Add	*41.84*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	55.89	
		For Work In Restricted Working Space, Add	*16.24*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	42.35	
		For Work In Restricted Working Space, Add	*12.18*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	32.20	
		For Work In Restricted Working Space, Add	*9.14*	

02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,302.25
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	53.59
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	44.22
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	35.52
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	29.01

02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,297.87
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	47.12
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	37.76
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	29.06
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	22.55

02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,296.40
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	41.80
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	32.43
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	23.74
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	17.22

02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,304.45
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	44.54
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	35.17
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.48
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.98

02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0063 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray. See CSI section 02 82 33 00-0102 for asbestos abatement for up to 1 sf sections to expose area for attachments.

02 82 33 00-0064	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,304.45
02 82 33 00-0065	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	53.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0066	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	40.11	
02 82 33 00-0067	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	30.19	
02 82 33 00-0068	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	22.75	
02 82 33 00-0069		Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0070	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,300.79	
02 82 33 00-0071	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	22.39	
02 82 33 00-0072	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	17.00	
02 82 33 00-0073	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.68	
02 82 33 00-0074	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.45	
02 82 33 00-0075		Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
02 82 33 00-0076	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,308.10	
		For Additional Layer, Add	*355.71*	
02 82 33 00-0077	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	17.26	
		For Additional Layer, Add	*4.67*	
02 82 33 00-0078	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.68	
		For Additional Layer, Add	*3.41*	
02 82 33 00-0079	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.99	
		For Additional Layer, Add	*2.67*	
02 82 33 00-0080	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.84	
		For Additional Layer, Add	*2.08*	
02 82 33 00-0081	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.22	
		For Additional Layer, Add	*1.63*	
02 82 33 00-0082	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.03	
		For Additional Layer, Add	*1.30*	
02 82 33 00-0083		Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
02 82 33 00-0084	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,300.79	
02 82 33 00-0085	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	32.52	
02 82 33 00-0086	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	23.90	
02 82 33 00-0087	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	18.72	
02 82 33 00-0088	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.63	
02 82 33 00-0089	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.53	
02 82 33 00-0090		Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
02 82 33 00-0091	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,308.10	
02 82 33 00-0092	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	28.41	
02 82 33 00-0093	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	21.36	
02 82 33 00-0094	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	16.12	
02 82 33 00-0095	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	12.15	
02 82 33 00-0096		Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
02 82 33 00-0097	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,308.10	
02 82 33 00-0098	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.66	
02 82 33 00-0099	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	11.36	
02 82 33 00-0100	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.38	
02 82 33 00-0101	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.34	
02 82 33 00-0102		Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
		Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0063 for areas > 1 SF.		
02 82 33 00-0103	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	216.02	
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0104		Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0062)*		
02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,305.18	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	18.61	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	9.11	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.24	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.36	
02 82 33 00-0110		Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0111		Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0110)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 82 33 00-0112 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,296.40	
		For Each Additional Layer, Add	*194.46*	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	9.11	
		For Each Additional Layer, Add	*1.37*	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.45	
		For Each Additional Layer, Add	*1.12*	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.94	
		For Each Additional Layer, Add	*0.89*	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.12	
		For Each Additional Layer, Add	*0.62*	

02 82 33 00-0118 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,296.40	
		For Each Additional Layer, Add	*194.46*	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	9.11	
		For Each Additional Layer, Add	*1.37*	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.49	
		For Each Additional Layer, Add	*1.12*	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.79	
		For Each Additional Layer, Add	*1.02*	
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.49	
		For Each Additional Layer, Add	*0.82*	

02 82 33 00-0124 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,296.40
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	7.15
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.79
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.24
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.22

02 82 33 00-0130 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Up to 12".

02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	434.81
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.90
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.60
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.31
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.66

02 82 33 00-0136 Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.

02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1,300.80
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	3.29
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	2.43
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.89
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.53

02 82 33 00-0142 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.

02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,322.73
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.47
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.73
02 82 33 00-0146	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.11
02 82 33 00-0147	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.82

02 82 33 00-0148 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

02 82 33 00-0149	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,308.10
02 82 33 00-0150	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	11.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0151	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	7.70	
02 82 33 00-0152	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	6.08	
02 82 33 00-0153	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	5.00	
02 82 33 00-0154		Roofing, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0155		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0154)* Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0156		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0157	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,330.04	
02 82 33 00-0158	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.56	
02 82 33 00-0159	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.91	
02 82 33 00-0160	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.58	
02 82 33 00-0161	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.25	
02 82 33 00-0162	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.27	
02 82 33 00-0163		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0164	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,357.82	
02 82 33 00-0165	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	10.00	
02 82 33 00-0166	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.08	
02 82 33 00-0167	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.63	
02 82 33 00-0168	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.11	
02 82 33 00-0169	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.96	
02 82 33 00-0170		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0171	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,389.99	
02 82 33 00-0172	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	11.34	
02 82 33 00-0173	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.21	
02 82 33 00-0174	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.60	
02 82 33 00-0175	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.92	
02 82 33 00-0176	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.64	
02 82 33 00-0177		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0178		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0177)*		
02 82 33 00-0179	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,302.62	
02 82 33 00-0180	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	8.34	
		For Each Additional Layer, Add	*1.67*	
02 82 33 00-0181	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.69	
		For Each Additional Layer, Add	*1.34*	
02 82 33 00-0182	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.36	
		For Each Additional Layer, Add	*1.07*	
02 82 33 00-0183	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.03	
		For Each Additional Layer, Add	*0.81*	
02 82 33 00-0184	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.05	
		For Each Additional Layer, Add	*0.61*	
02 82 33 00-0185		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0186	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	431.89	
02 82 33 00-0187	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.30	
02 82 33 00-0188	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.72	
02 82 33 00-0189	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.21	
02 82 33 00-0190	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.62	
02 82 33 00-0191		Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0192	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	431.89	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0193	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.77	
02 82 33 00-0194	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.83	
02 82 33 00-0195	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.53	
02 82 33 00-0196	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.73	
02 82 33 00-0197		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0198		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0199	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,308.10	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0200	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.97	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0201	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.56	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0202	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.68	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0203	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.21	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0204		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0205	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,308.10	
02 82 33 00-0206	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.80	
02 82 33 00-0207	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.07	
02 82 33 00-0208	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.29	
02 82 33 00-0209	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.87	
02 82 33 00-0210		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0211	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,095.44	
02 82 33 00-0212	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	45.85	
02 82 33 00-0213	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	34.83	
02 82 33 00-0214	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	26.56	
02 82 33 00-0215	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	20.35	
02 82 33 00-0216	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.71	
02 82 33 00-0217	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.38	
02 82 33 00-0218		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0219	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,318.26	
		Note: Single or first of multiple layers.		
02 82 33 00-0220	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	7.04	
		Note: Single or first of multiple layers.		
02 82 33 00-0221	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.67	
		Note: Single or first of multiple layers.		
02 82 33 00-0222	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.56	
		Note: Single or first of multiple layers.		
02 82 33 00-0223	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.46	
		Note: Single or first of multiple layers.		
02 82 33 00-0224	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.64	
		Note: Single or first of multiple layers.		
02 82 33 00-0225		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0226		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0225)*		
02 82 33 00-0227	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	879.87	
		For Work In Restricted Working Space, Add	*258.70*	
02 82 33 00-0228	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	87.49	
		For Work In Restricted Working Space, Add	*25.72*	
02 82 33 00-0229	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	58.91	
		For Work In Restricted Working Space, Add	*17.15*	
02 82 33 00-0230	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	44.69	
		For Work In Restricted Working Space, Add	*12.88*	
02 82 33 00-0231	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	36.05	
		For Work In Restricted Working Space, Add	*10.29*	
02 82 33 00-0232	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	30.90	
		For Work In Restricted Working Space, Add	*8.75*	
02 82 33 00-0233	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	27.98	
		For Work In Restricted Working Space, Add	*7.87*	
02 82 33 00-0234		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0235		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0236	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	439.06	
02 82 33 00-0237	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	163.12	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0238		EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	147.59	
02 82 33 00-0239			HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0240		SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	431.52	
02 82 33 00-0241		LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.86	
02 82 33 00-0242		LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.65	
02 82 33 00-0243		LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.73	
02 82 33 00-0244		LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.94	
02 82 33 00-0245		LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.23	
02 82 33 00-0246		LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.65	
02 82 33 00-0247			Grout, Asbestos Abatement And Disposal *(02 82 33 00-0234)* Note: e.g. flue grout.		
02 82 33 00-0248		SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	431.40	
02 82 33 00-0249		LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.99	
02 82 33 00-0250		LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.70	
02 82 33 00-0251		LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	10.03	
02 82 33 00-0252		LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.62	
02 82 33 00-0253		LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.43	
02 82 33 00-0254		LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.37	
02 82 33 00-0255			Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0234)* Note: e.g. rope, web cloth, flat.		
02 82 33 00-0256		SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	431.52	
02 82 33 00-0257		LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	22.90	
02 82 33 00-0258		LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	17.18	
02 82 33 00-0259		LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.64	
02 82 33 00-0260		LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	13.19	
02 82 33 00-0261		LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.85	
02 82 33 00-0262		LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.28	
02 82 33 00-0263			Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0234)* Note: e.g. grid, spline, or glued on.		
02 82 33 00-0264		SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	869.63	
02 82 33 00-0265		SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	18.47	
02 82 33 00-0266		SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.97	
02 82 33 00-0267		SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	6.10	
02 82 33 00-0268		SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.22	
02 82 33 00-0269			Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0234)* Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0270		SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	866.27	
02 82 33 00-0271		SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	18.47	
02 82 33 00-0272		SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.97	
02 82 33 00-0273		SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.10	
02 82 33 00-0274		SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.22	
02 82 33 00-0275			Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0276			Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0275)*		
02 82 33 00-0277		SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	431.40	
02 82 33 00-0278		LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	12.74	
02 82 33 00-0279		LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.99	
02 82 33 00-0280		LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.69	
02 82 33 00-0281		LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	5.04	
02 82 33 00-0282		LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.98	
02 82 33 00-0283		LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.46	
02 82 33 00-0284			Wood Wall Joint Compound, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0285		SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	863.05	
02 82 33 00-0286		SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	17.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0287	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	12.46	
02 82 33 00-0288	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	9.77	
02 82 33 00-0289	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	7.62	

02 82 33 00-0290 Chalk Board Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

02 82 33 00-0291	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	438.48	
02 82 33 00-0292	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	18.39	
02 82 33 00-0293	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	8.89	
02 82 33 00-0294	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	6.02	
02 82 33 00-0295	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.14	

02 82 33 00-0296 Tack Board Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

02 82 33 00-0297	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal	438.48	
02 82 33 00-0298	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	18.39	
02 82 33 00-0299	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal	8.89	
02 82 33 00-0300	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	6.02	
02 82 33 00-0301	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.14	

02 82 33 00-0302 Dash Coat Over Wood Walls, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

02 82 33 00-0303	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	863.05	
02 82 33 00-0304	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	18.94	
02 82 33 00-0305	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	14.12	
02 82 33 00-0306	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	10.61	
02 82 33 00-0307	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	7.98	

02 82 33 00-0308 HEPA Vacuum, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

Note: For adjacent areas.

02 82 33 00-0309	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.80	

02 82 33 00-0310 Window Putty, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

02 82 33 00-0311	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	431.40	
02 82 33 00-0312	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.99	
02 82 33 00-0313	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.70	
02 82 33 00-0314	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	10.03	
02 82 33 00-0315	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.62	
02 82 33 00-0316	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.43	

02 82 33 00-0317 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

02 82 33 00-0318	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	896.01	
02 82 33 00-0319	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	85.58	
02 82 33 00-0320	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	59.86	
02 82 33 00-0321	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	47.07	
02 82 33 00-0322	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.29	
02 82 33 00-0323	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	34.65	
02 82 33 00-0324	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	32.03	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001 Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*

02 83 19 13-0002	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,288.03	

02 83 19 13-0003 Lead Sampling And Testing *(02 83 19 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0004	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	97.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0005	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	72.77	
02 83 19 13-0006	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	69.66	
02 83 19 13-0007	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	105.55	
02 83 19 13-0008	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	147.77	
02 83 19 13-0009	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	27.44	
02 83 19 13-0010	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	42.22	
02 83 19 13-0011	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	52.78	
02 83 19 13-0012	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	69.66	
02 83 19 13-0013	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	105.55	
02 83 19 13-0014	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.61	
02 83 19 13-0015	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	15.83	
02 83 19 13-0016	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.22	
02 83 19 13-0017	EA	5 Day Turnaround Lead Bulk Samples And Lab Fee	11.61	
02 83 19 13-0018	EA	24 Hour Turnaround Lead Bulk Samples And Lab Fee	15.83	
02 83 19 13-0019	EA	8 Hour Turnaround Lead Bulk Samples And Lab Fee	23.22	
02 83 19 13-0020	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.61	
02 83 19 13-0021	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	15.83	
02 83 19 13-0022	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.22	
02 83 19 13-0023	EA	5 Day Turnaround Lead Water Test and Lab Fee	42.22	
02 83 19 13-0024	EA	24 Hour Turnaround Lead Water Test and Lab Fee	63.33	
02 83 19 13-0025	EA	8 Hour Turnaround Lead Water Test and Lab Fee	84.44	
02 83 19 13-0026	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	43.66	
02 83 19 13-0027	EA	5 Day Turnaround Lead Soil Test and Lab Fee	87.33	
02 83 19 13-0028		**Scrape And Sand Lead Paint** *(02 83 19 19)*		
02 83 19 13-0029	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces	1.41	
02 83 19 13-0030	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces	1.47	
02 83 19 13-0031	SF	Hand Scrape Lead Paint From Wood Surfaces	1.93	
02 83 19 13-0032	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces	1.98	
02 83 19 13-0033		**Chemical Stripping Of Lead Contaminated Material** *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0034	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	37.41	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.34*	
02 83 19 13-0035	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	55.49	
		For 0.025" (25 mil) Application, Add	*3.02*	
		For 0.03" (30 mil) Application, Add	*4.69*	
02 83 19 13-0036	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	16.07	
		For 0.025" (25 mil) Application, Add	*0.95*	
		For 0.03" (30 mil) Application, Add	*1.52*	
		For 0.125" (125 mil) Application, Add	*8.52*	
02 83 19 13-0037	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	32.81	
		For 0.025" (25 mil) Application, Add	*1.79*	
		For 0.03" (30 mil) Application, Add	*2.78*	
		For 0.125" (125 mil) Application, Add	*12.70*	
02 83 19 13-0038	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	17.46	
		For 0.025" (25 mil) Application, Add	*1.12*	
		For 0.03" (30 mil) Application, Add	*1.84*	
02 83 19 13-0039	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	49.46	
		For 0.025" (25 mil) Application, Add	*2.72*	
		For 0.03" (30 mil) Application, Add	*4.24*	
02 83 19 13-0040	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.77	
		For 0.025" (25 mil) Application, Add	*0.74*	
		For 0.03" (30 mil) Application, Add	*1.23*	
		For 0.125" (125 mil) Application, Add	*8.69*	
02 83 19 13-0041	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	31.27	
		For 0.025" (25 mil) Application, Add	*1.76*	
		For 0.03" (30 mil) Application, Add	*2.77*	
02 83 19 13-0042	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	39.86	
		For 0.025" (25 mil) Application, Add	*2.19*	
		For 0.03" (30 mil) Application, Add	*3.41*	
02 83 19 13-0043	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.85	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.54*	
02 83 19 13-0044	SF	Columns, Chemical Stripping Of Lead Contaminated Material	14.27	
		For 0.025" (25 mil) Application, Add	*0.96*	
		For 0.03" (30 mil) Application, Add	*1.60*	
		For 0.125" (125 mil) Application, Add	*11.07*	
02 83 19 13-0045	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.57	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.37*	
02 83 19 13-0046	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	15.45	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.58*	
02 83 19 13-0047	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	22.77	
		For 0.025" (25 mil) Application, Add	*1.39*	
		For 0.03" (30 mil) Application, Add	*2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0048	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	65.08	
		For 0.025" (25 mil) Application, Add	*3.65*	
		For 0.03" (30 mil) Application, Add	*5.73*	
02 83 19 13-0049	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	16.14	
		For 0.025" (25 mil) Application, Add	*1.01*	
		For 0.03" (30 mil) Application, Add	*1.64*	
02 83 19 13-0050	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.87	
		For 0.025" (25 mil) Application, Add	*0.64*	
		For 0.03" (30 mil) Application, Add	*1.09*	
02 83 19 13-0051	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	33.42	
		For 0.025" (25 mil) Application, Add	*1.87*	
		For 0.03" (30 mil) Application, Add	*2.93*	
02 83 19 13-0052	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	39.86	
		For 0.025" (25 mil) Application, Add	*2.19*	
		For 0.03" (30 mil) Application, Add	*3.41*	
02 83 19 13-0053	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	20.93	
		For 0.025" (25 mil) Application, Add	*1.35*	
		For 0.03" (30 mil) Application, Add	*2.21*	
02 83 19 13-0054	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	25.79	
		For 0.025" (25 mil) Application, Add	*1.59*	
		For 0.03" (30 mil) Application, Add	*2.57*	
		For 0.125" (125 mil) Application, Add	*15.45*	
02 83 19 13-0055	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	7.19	
		For 0.025" (25 mil) Application, Add	*0.51*	
		For 0.03" (30 mil) Application, Add	*0.86*	
		For 0.125" (125 mil) Application, Add	*6.30*	
02 83 19 13-0056	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.56	
		For 0.025" (25 mil) Application, Add	*0.73*	
		For 0.03" (30 mil) Application, Add	*1.19*	
		For 0.125" (125 mil) Application, Add	*7.39*	
02 83 19 13-0057	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	20.68	
		For 0.025" (25 mil) Application, Add	*1.28*	
		For 0.03" (30 mil) Application, Add	*2.08*	
		For 0.125" (125 mil) Application, Add	*12.67*	
02 83 19 13-0058	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	28.34	
		For 0.025" (25 mil) Application, Add	*1.72*	
		For 0.03" (30 mil) Application, Add	*2.76*	
		For 0.125" (125 mil) Application, Add	*16.09*	
02 83 19 13-0059	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	50.82	
		For 0.025" (25 mil) Application, Add	*2.99*	
		For 0.03" (30 mil) Application, Add	*4.77*	
		For 0.125" (125 mil) Application, Add	*26.21*	
02 83 19 13-0060	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	15.18	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.37*	
		For 0.125" (125 mil) Application, Add	*7.04*	
02 83 19 13-0061	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	301.96	
		For 0.025" (25 mil) Application, Add	*16.55*	
		For 0.03" (30 mil) Application, Add	*25.73*	
02 83 19 13-0062	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.13	
		For 0.025" (25 mil) Application, Add	*1.62*	
		For 0.03" (30 mil) Application, Add	*2.78*	
02 83 19 13-0063	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	23.13	
		For 0.025" (25 mil) Application, Add	*1.72*	
		For 0.03" (30 mil) Application, Add	*2.93*	
02 83 19 13-0064	SF	Siding, Chemical Stripping Of Lead Contaminated Material	12.06	
		For 0.025" (25 mil) Application, Add	*0.85*	
		For 0.03" (30 mil) Application, Add	*1.44*	
		For 0.125" (125 mil) Application, Add	*10.52*	
02 83 19 13-0065	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	25.29	
		For 0.025" (25 mil) Application, Add	*1.46*	
		For 0.03" (30 mil) Application, Add	*2.32*	
		For 0.125" (125 mil) Application, Add	*12.32*	
02 83 19 13-0066	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.63	
		For 0.025" (25 mil) Application, Add	*0.78*	
		For 0.03" (30 mil) Application, Add	*1.30*	
		For 0.125" (125 mil) Application, Add	*8.91*	
02 83 19 13-0067	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	13.20	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.42*	
		For 0.125" (125 mil) Application, Add	*9.30*	
02 83 19 13-0068	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	13.17	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.29*	
02 83 19 13-0069	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	18.67	
		For 0.025" (25 mil) Application, Add	*1.13*	
		For 0.03" (30 mil) Application, Add	*1.83*	
		For 0.125" (125 mil) Application, Add	*10.67*	
02 83 19 13-0070	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	13.17	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	30.35	
		For 0.025" (25 mil) Application, Add	*1.72*	
		For 0.03" (30 mil) Application, Add	*2.70*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	33.22	
		For 0.025" (25 mil) Application, Add	*1.86*	
		For 0.03" (30 mil) Application, Add	*2.92*	
02 83 19 13-0073	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	35.16	
		For 0.025" (25 mil) Application, Add	*1.96*	
		For 0.03" (30 mil) Application, Add	*3.06*	
02 83 19 13-0074	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	37.11	
		For 0.025" (25 mil) Application, Add	*2.06*	
		For 0.03" (30 mil) Application, Add	*3.21*	
02 83 19 13-0075	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	39.05	
		For 0.025" (25 mil) Application, Add	*2.15*	
		For 0.03" (30 mil) Application, Add	*3.35*	
02 83 19 13-0076	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	41.06	
		For 0.025" (25 mil) Application, Add	*2.25*	
		For 0.03" (30 mil) Application, Add	*3.50*	
02 83 19 13-0077	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	42.95	
		For 0.025" (25 mil) Application, Add	*2.35*	
		For 0.03" (30 mil) Application, Add	*3.65*	
02 83 19 13-0078	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	43.93	
		For 0.025" (25 mil) Application, Add	*2.40*	
		For 0.03" (30 mil) Application, Add	*3.72*	
02 83 19 13-0079	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	44.91	
		For 0.025" (25 mil) Application, Add	*2.45*	
		For 0.03" (30 mil) Application, Add	*3.79*	
02 83 19 13-0080	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	45.86	
		For 0.025" (25 mil) Application, Add	*2.49*	
		For 0.03" (30 mil) Application, Add	*3.86*	
02 83 19 13-0081	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	60.59	
		For 0.025" (25 mil) Application, Add	*3.43*	
		For 0.03" (30 mil) Application, Add	*5.39*	
		For 0.125" (125 mil) Application, Add	*27.15*	
02 83 19 13-0082	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.52	
		For 0.025" (25 mil) Application, Add	*0.68*	
		For 0.03" (30 mil) Application, Add	*1.11*	
		For 0.125" (125 mil) Application, Add	*7.13*	
02 83 19 13-0083	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	30.79	
		For 0.025" (25 mil) Application, Add	*1.84*	
		For 0.03" (30 mil) Application, Add	*2.95*	
		For 0.125" (125 mil) Application, Add	*16.70*	
02 83 19 13-0084	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	33.67	
		For 0.025" (25 mil) Application, Add	*1.93*	
		For 0.03" (30 mil) Application, Add	*3.06*	
		For 0.125" (125 mil) Application, Add	*15.92*	
02 83 19 13-0085	LF	2" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	3.10	
		For 0.025" (25 mil) Application, Add	*0.19*	
		For 0.03" (30 mil) Application, Add	*0.30*	
02 83 19 13-0086	LF	3" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	4.65	
		For 0.025" (25 mil) Application, Add	*0.28*	
		For 0.03" (30 mil) Application, Add	*0.46*	
02 83 19 13-0087	LF	4" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	5.38	
		For 0.025" (25 mil) Application, Add	*0.32*	
		For 0.03" (30 mil) Application, Add	*0.51*	
02 83 19 13-0088	LF	6" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	6.18	
		For 0.025" (25 mil) Application, Add	*0.38*	
		For 0.03" (30 mil) Application, Add	*0.60*	
02 83 19 13-0089	SF	Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	10.77	
		For 0.025" (25 mil) Application, Add	*0.74*	
		For 0.03" (30 mil) Application, Add	*1.23*	

02 83 19 13-0090 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0091	SF	Demolish Ceiling Suspension System, Lead Contaminated Material		2.66
02 83 19 13-0092	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material		7.81
02 83 19 13-0093	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material		5.61
02 83 19 13-0094	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material		4.40
02 83 19 13-0095	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material		3.42
02 83 19 13-0096	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material		24.40
02 83 19 13-0097	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material		17.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0098	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	13.02	
02 83 19 13-0099	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	9.77	
02 83 19 13-0100	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.55	
02 83 19 13-0101	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.99	
02 83 19 13-0102	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.54	
02 83 19 13-0103	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	74.34	
02 83 19 13-0104	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	98.61	
02 83 19 13-0105	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	11.02	
02 83 19 13-0106	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	6.17	
02 83 19 13-0107	SF	Demolish Brick, Lead Contaminated Material	4.64	
02 83 19 13-0108	SF	Demolish Concrete Block, Lead Contaminated Material	5.98	
02 83 19 13-0109	SF	Demolish Tile, Lead Contaminated Material	4.50	
02 83 19 13-0110	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.77	
02 83 19 13-0111	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.26	
02 83 19 13-0112	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	7.01	
02 83 19 13-0113	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.71	
02 83 19 13-0114	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	2.00	
02 83 19 13-0115	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.51	
02 83 19 13-0116	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.64	
02 83 19 13-0117	SF	Demolish Concrete, Lead Contaminated Material	15.34	
02 83 19 13-0118	LF	Demolish Cabinets, Lead Contaminated Material	35.72	
02 83 19 13-0119	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	2.02	
02 83 19 13-0120	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.79	
02 83 19 13-0121	SF	Demolish Cornice, Lead Contaminated Material	2.63	
02 83 19 13-0122	EA	Demolish Doors, Lead Contaminated Material	77.47	
02 83 19 13-0123	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	2.36	
02 83 19 13-0124	EA	Demolish Electrical Devices, Lead Contaminated Material	23.77	
02 83 19 13-0125	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	3.05	
02 83 19 13-0126	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	5.08	
02 83 19 13-0127	SF	Demolish Wood Floors, Lead Contaminated Material	3.66	
02 83 19 13-0128	SF	Demolish Grilles, Lead Contaminated Material	4.30	
02 83 19 13-0129	EA	Demolish Hinges, Lead Contaminated Material	8.64	
02 83 19 13-0130	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	18.57	
02 83 19 13-0131	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.62	
02 83 19 13-0132	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	11.11	
02 83 19 13-0133	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	16.79	
02 83 19 13-0134	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	30.96	
02 83 19 13-0135	EA	Demolish Radiators, Lead Contaminated Material	133.73	
02 83 19 13-0136	EA	Demolish Shutters, Lead Contaminated Material	52.11	
02 83 19 13-0137	SF	Demolish Siding, Lead Contaminated Material	2.07	
02 83 19 13-0138	SF	Demolish Soffit, Lead Contaminated Material	1.76	
02 83 19 13-0139	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.82	
02 83 19 13-0140	SF	Demolish Steel Beams, Lead Contaminated Material	5.68	
02 83 19 13-0141	SF	Demolish Trusses, Lead Contaminated Material	7.44	
02 83 19 13-0142	SF	Demolish Walls, Wood, Lead Contaminated Material	5.51	
02 83 19 13-0143	SF	Demolish Windows, Lead Contaminated Material	18.51	
02 83 19 13-0144	SF	Demolish Metal Stair, Lead Contaminated Material	8.85	
02 83 19 13-0145	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.50	
02 83 19 13-0146	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.63	
02 83 19 13-0147	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.93	
02 83 19 13-0148	SF	Demolish Plywood, Lead Contaminated Material	7.99	
02 83 19 13-0149	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.90	
02 83 19 13-0150	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	24.40	
02 83 19 13-0151	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.33	
02 83 19 13-0152	LF	Demolish Metal Guard Rails, Lead Contaminated Material	14.64	
02 83 19 13-0153	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.13	
02 83 19 13-0154	LF	Demolish Rain Gutters, Lead Contaminated Material	5.37	
02 83 19 13-0155	LF	Demolish Downspouts, Lead Contaminated Material	4.40	
02 83 19 13-0156	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.41	
02 83 19 13-0157	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.13	
02 83 19 13-0158	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.81	
02 83 19 13-0159		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)*		
		Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0160	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.71	
02 83 19 13-0161		Mechanical Stripping Of Lead Contaminated Material *(02 83 19 13)*		
		Note: Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring.		
02 83 19 13-0162	SF	Grind Flat Steel Surfaces, Mechanical Stripping Of Lead Contaminated Material	20.52	
02 83 19 13-0163		Lead Abatement Encapsulation *(02 83 19 13)*		
		Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0164	SF	Balustrades, Lead Abatement Encapsulation	6.72	
02 83 19 13-0165	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.67	
02 83 19 13-0166	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	9.05	
02 83 19 13-0167	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.32	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0168	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.74	
02 83 19 13-0169	SF	Simple Design Cabinets, Lead Abatement Encapsulation	7.93	
02 83 19 13-0170	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.70	
02 83 19 13-0171	SF	Wood Ceilings, Lead Abatement Encapsulation	3.28	
02 83 19 13-0172	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	3.04	
02 83 19 13-0173	SF	Columns, Lead Abatement Encapsulation	5.22	
02 83 19 13-0174	SF	Doors, Lead Abatement Encapsulation	9.97	
02 83 19 13-0175	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.40	
02 83 19 13-0176	SF	Picket Fence (Brush), Lead Abatement Encapsulation	3.11	
02 83 19 13-0177	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.60	
02 83 19 13-0178	SF	Grilles, Vents, Lead Abatement Encapsulation	7.26	
02 83 19 13-0179	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.72	
02 83 19 13-0180	EA	Hangers, Lead Abatement Encapsulation	57.40	
02 83 19 13-0181	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.08	
02 83 19 13-0182	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.88	
02 83 19 13-0183	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.09	
02 83 19 13-0184	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	13.42	
02 83 19 13-0185	EA	Radiators, Lead Abatement Encapsulation	147.82	
02 83 19 13-0186	EA	Up To 6' Shutters, Lead Abatement Encapsulation	211.97	
02 83 19 13-0187	SF	Siding, Lead Abatement Encapsulation	3.71	
02 83 19 13-0188	SF	Up To 12" Soffit, Lead Abatement Encapsulation	5.22	
02 83 19 13-0189	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	4.32	
02 83 19 13-0190	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.65	
02 83 19 13-0191	SF	Trusses, Lead Abatement Encapsulation	5.65	
02 83 19 13-0192	SF	Drywall Walls, Lead Abatement Encapsulation	2.40	
02 83 19 13-0193	SF	Wood Walls, Lead Abatement Encapsulation	2.96	
02 83 19 13-0194	EA	Window Without Grille, Lead Abatement Encapsulation	125.08	
02 83 19 13-0195	EA	Window With Grille, Lead Abatement Encapsulation	160.89	
02 83 19 13-0196	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	3.85	
02 83 19 13-0197	LF	Steel Lintels, Lead Abatement Encapsulation	4.42	
02 83 19 13-0198	LF	Wood Fascia Boards, Lead Abatement Encapsulation	11.74	
02 83 19 13-0199	SF	Wood Eaves, Lead Abatement Encapsulation	11.74	
02 83 19 13-0200	LF	Wood Window Sill, Lead Abatement Encapsulation	3.52	
02 83 19 13-0201	LF	Wood Window Sash, Lead Abatement Encapsulation	4.52	
02 83 19 13-0202	LF	Wood Window Jamb And Trim, Lead Abatement Encapsulation	6.34	
02 83 19 13-0203	LF	Wood Doorway Threshold, Lead Abatement Encapsulation	4.24	
02 83 19 13-0204	LF	Up To 6" Wide, Crown Molding (Simple), Lead Abatement Encapsulation	6.67	
02 83 19 13-0205	LF	>6" To 12" Wide, Crown Molding (Simple), Lead Abatement Encapsulation	9.05	
02 83 19 13-0206	LF	Up To 6" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation	8.29	
02 83 19 13-0207	LF	>6" To 12" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation	11.20	
02 83 19 13-0208		Removal By Heat Gun Of Lead Contaminated Material *(02 83 19 13)*		
		Note: Remove of multi-layers of paint down to substrate		
02 83 19 13-0209	SF	Scrape And Removal Per Layer Of Multi-layers Of Paint With Heat Gun	7.23	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.31	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.30	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.54	

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury *(02 84)*

02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*		
		Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	9.99	
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*		
		Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.21	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.09	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.67	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	20.23	
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)*		
		Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	5.85	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.05	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	24.85	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	48.25	

02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)*

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	5,826.60	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	9,208.66	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	2,392.65	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	11,226.17	
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	4,334.93	
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	17,790.96	

02 86 Hazardous Waste Drum Handling *(02 80)*

02 86 00 00-0001 Hazardous Waste Packaging *(02 86)*

02 86 00 00-0002 Overpacks *(02 86 00 00-0001)*

02 86 00 00-0003 Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*

02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	594.79	
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	338.57	
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	326.77	
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	204.44	
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	161.05	
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	108.51	
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	98.10	
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	86.45	

02 86 00 00-0012 Polyethylene Overpacks *(02 86 00 00-0002)*

02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	671.85	
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	124.16	
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	607.94	

02 86 00 00-0016 Composite Overpacks *(02 86 00 00-0002)*

02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	329.90	
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	452.71	
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	614.05	

02 86 00 00-0020 DOT E-9168 Exempt Packaging *(02 86 00 00-0002)*

02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	63.58	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	67.08	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	65.58	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	32.47	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	17.68	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	14.65	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	19.06	

02 86 00 00-0028 Steel Drums *(02 86 00 00-0001)*

02 86 00 00-0029 UN Rated Steel Drums *(02 86 00 00-0028)*

02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	245.27	
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0032	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	108.36	
02 86 00 00-0033	EA	8 Gallon, 17C, Open, Steel Drum	110.77	
02 86 00 00-0034	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	231.82	
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	187.97	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0044	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0045	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	148.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0047	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	171.72	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0049	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0050	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0051	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0052	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0053	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	145.96	
02 86 00 00-0054	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0055	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	158.93	
02 86 00 00-0056	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0057	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0058	EA	30 Gallon, 17E, Open, Steel Drum	105.69	
02 86 00 00-0059	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	140.87	
02 86 00 00-0060	EA	20 Gallon, 17C, Open, Steel Drum	148.82	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0062	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0063	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0064	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	122.81	
02 86 00 00-0065	EA	20 Gallon, 17E, Open, Steel Drum	100.17	
02 86 00 00-0066	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	

02 86 00 00-0067 Plastic Drums *(02 86 00 00-0001)*

02 86 00 00-0068 Polyethylene Closed Head Drums *(02 86 00 00-0067)*

Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.

02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	153.97	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	118.20	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	107.32	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	74.98	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	73.55	

02 86 00 00-0074 Polyethylene Open Head Drums *(02 86 00 00-0067)*

Note: Open head drums are primarily used for solids and sludge.

02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	194.61	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	143.10	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	135.94	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	100.17	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	85.86	

02 86 00 00-0080 Fiber Drums *(02 86 00 00-0001)*

02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)*

Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.

02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	117.91	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	110.47	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	100.74	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	99.60	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	121.35	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	114.48	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	105.89	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	102.46	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	88.72	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	75.56	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	82.42	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	96.16	

02 86 00 00-0094 Loading Hazardous Waste For Shipment *(02 86 00 00-0001)*

02 86 00 00-0095	EA	Load Drums On Disposal Truck	11.90	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,263.06	

02 86 00 00-0097 Transport Drums To Landfill *(02 86 00 00-0001)*

Note: Includes transportation for up to 25 miles.

02 86 00 00-0098	EA	Transport Drum To Landfill Note: Includes transportation for up to 25 miles.	99.31	

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*
Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)*
Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*
Note: Excludes encased fittings.

02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal		871.09
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal		33.78
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal		25.45
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal		19.20
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal		14.50
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal		12.67

02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal		897.41
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal		40.10
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal		30.51
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal		23.32
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal		17.93
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal		15.82

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		884.25
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		19.60
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		14.81
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal		11.22
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		8.70

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*
Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal		876.94
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal		19.45
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal		14.66
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal		11.07
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal		8.40

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal		876.94
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal		19.45
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal		14.66
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal		11.07
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal		8.40

02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)*

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal		891.57
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal		6.49
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal		5.14
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal		4.06
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal		2.99

02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal		884.25
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal		26.85
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal		20.27
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal		15.32
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal		11.60

02 87 13 33-0049 Flooring, Mold Abatement And Disposal *(02 87 13 33)*
Note: Includes cove base.

02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0051		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)*		
		Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	891.57	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.45	
		For Each Additional Layer, Add	*1.61*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.61	
		For Each Additional Layer, Add	*0.90*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.09	
		For Each Additional Layer, Add	*0.52*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.62	
		For Each Additional Layer, Add	*0.41*	
02 87 13 33-0057		Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0058		Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	891.57	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.36	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.37	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.25	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.72	
02 87 13 33-0064		Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	891.57	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	6.04	
		Note: Includes tack strips.		
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.39	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.48	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.68	
		Note: Includes tack strips.		
02 87 13 33-0070		Subflooring, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	884.25	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.42	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.74	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.86	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.83	
02 87 13 33-0076		Siding, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0077		Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0076)*		
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	891.57	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	6.42	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	4.52	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.63	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.01	
		Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083		Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	891.57	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.99	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.55	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.74	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.37	
02 87 13 33-0089		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0090		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	897.41	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	31.57	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.64	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.66	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.68	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.27	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.

02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	445.78	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.63	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.70	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.11	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.60	

02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.

02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	891.57	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	11.07	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.20	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.74	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.68	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.61	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.16	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.76	

02 87 13 33-0114 Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*

02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	216.06	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.34	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	3.10	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.35	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.74	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.41	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.22	

02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	23.98	
		For >25 To 50, Deduct		*-2.40*
		For >50 To 200, Deduct		*-5.99*
		For >200, Deduct		*-9.58*
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	28.20	
		For >25 To 50, Deduct		*-2.82*
		For >50 To 200, Deduct		*-7.05*
		For >200, Deduct		*-11.27*
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	32.08	
		For >25 To 50, Deduct		*-3.21*
		For >50 To 200, Deduct		*-8.02*
		For >200, Deduct		*-12.82*
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	26.16	
		For >25 To 50, Deduct		*-2.61*
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	33.18	
		For >25 To 50, Deduct		*-3.32*
		For >50 To 200, Deduct		*-8.29*
		For >200, Deduct		*-13.26*

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	942.06	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	99.44	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	73.28	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	889.42	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	83.70	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	57.56	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	862.32	
		For Work In Restricted Working Space, Add		*258.70*
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	14.37	
		For Work In Restricted Working Space, Add		*4.31*
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	13.06	
		For Work In Restricted Working Space, Add		*3.92*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.88	
		For Work In Restricted Working Space, Add	*3.56*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.80	
		For Work In Restricted Working Space, Add	*3.24*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	689.97
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	655.30
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	516.64
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	597.53
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,169.50
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	236.00
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	316.11
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	339.22
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	195.55
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,400.60
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	195.55
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,053.95
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	14.13
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	323.31

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.55
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.72
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	0.97
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.65
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.82
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.07

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.78
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.81
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.14

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.12
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	8.56
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.31
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	8.95
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.48

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	22.97
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	2.78

02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	21.13
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	25.02
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	35.32
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,471.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	527.66	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	843.62	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	149.67	
02 87 19 00-0045		Temporary Portable And Mobile Trailers *(02 87 19)*		
02 87 19 00-0046		Trailer Delivery *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,252.89	
02 87 19 00-0048		Portable And Mobile Trailers, Purchase *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,013.18	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,384.07	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	26,231.69	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	32,779.78	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	37,267.69	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	39,178.30	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	43,593.64	
		For Tie-Downs, Add	*129.42*	
02 87 19 00-0056		Accessories For Portable And Mobile Trailers *(02 87 19 00-0045)*		
02 87 19 00-0057		Skirting *(02 87 19 00-0056)* Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	5.19	1.86
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	7.56	3.06
02 87 19 00-0060		Aluminum Modular Access Ramp *(02 87 19 00-0056)* Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	3,795.41	35.52
02 87 19 00-0062		Aluminum Modular Stairs *(02 87 19 00-0056)* Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,047.84	
02 87 19 00-0064		Decontamination Chambers For Bio-Hazard And Infectious Disease Control *(02 87 19)* Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	986.80	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,162.50	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	597.59	
02 87 19 00-0068		Bio-Hazard And Infectious Disease Control Cleaning, Level 2 *(02 87 19)* Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		Bio-Hazard And Infectious Disease Control Cleaning Mobilization *(02 87 19 00-0068)*		
02 87 19 00-0070	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location.	364.25	
02 87 19 00-0071		Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces *(02 87 19 00-0068)* Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	27.01	
		For >25 To 50, Deduct	*-2.70*	
		For >50 To 200, Deduct	*-5.40*	
		For >200, Deduct	*-8.09*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.56*	
		For Level 1 Biohazard Cleaning, Deduct	*-5.40*	
		For Level 3 Biohazard Cleaning, Add	*8.90*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	31.77	
		For >25 To 50, Deduct	*-3.17*	
		For >50 To 200, Deduct	*-6.35*	
		For >200, Deduct	*-9.52*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.56*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.35*	
		For Level 3 Biohazard Cleaning, Add	*10.47*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.14	
		For >25 To 50, Deduct	*-3.61*	
		For >50 To 200, Deduct	*-7.22*	
		For >200, Deduct	*-10.83*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.56*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.22*	
		For Level 3 Biohazard Cleaning, Add	*11.92*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	29.46	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.56*	
		For >5 To 10, Deduct	*-1.47*	
		For >10 To 50, Deduct	*-2.94*	
		For >50, Deduct	*-5.89*	
		For Level 1 Biohazard Cleaning, Deduct	*-5.89*	
		For Level 3 Biohazard Cleaning, Add	*9.71*	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.39	
		For >25 To 50, Deduct	*-3.74*	
		For >50 To 200, Deduct	*-7.47*	
		For >200, Deduct	*-11.21*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.56*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.47*	
		For Level 3 Biohazard Cleaning, Add	*12.33*	
02 87 19 00-0077		**Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** *(02 87 19 00-0068)*		
		Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	69.80	
		For Level 1 Biohazard Cleaning, Deduct	*-13.95*	
		For Level 3 Biohazard Cleaning, Add	*23.02*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.28*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.04	
		For Level 1 Biohazard Cleaning, Deduct	*-6.40*	
		For Level 3 Biohazard Cleaning, Add	*10.56*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*4.85*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	112.44	
		For Level 1 Biohazard Cleaning, Deduct	*-22.48*	
		For Level 3 Biohazard Cleaning, Add	*37.10*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.28*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	6.94	
		For Level 1 Biohazard Cleaning, Deduct	*-1.38*	
		For Level 3 Biohazard Cleaning, Add	*2.28*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.46*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	103.65	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
		For Level 1 Biohazard Cleaning, Deduct	*-20.72*	
		For Level 3 Biohazard Cleaning, Add	*34.19*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.28*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	11.08	
		For Level 1 Biohazard Cleaning, Deduct	*-2.21*	
		For Level 3 Biohazard Cleaning, Add	*3.65*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.46*	
02 87 19 00-0084		**Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork** *(02 87 19 00-0068)*		
02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.08	
		For Level 1 Biohazard Cleaning, Deduct	*-0.81*	
		For Level 3 Biohazard Cleaning, Add	*1.34*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.12	
		For Level 1 Biohazard Cleaning, Deduct	*-1.01*	
		For Level 3 Biohazard Cleaning, Add	*1.67*	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.86	
		For Level 1 Biohazard Cleaning, Deduct	*-1.35*	
		For Level 3 Biohazard Cleaning, Add	*2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	9.72	
		For Level 1 Biohazard Cleaning, Deduct	*-1.90*	
		For Level 3 Biohazard Cleaning, Add	*3.13*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	182.16	
		For Level 1 Biohazard Cleaning, Deduct	*-36.43*	
		For Level 3 Biohazard Cleaning, Add	*60.10*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	12.68	
		For Level 1 Biohazard Cleaning, Deduct	*-2.53*	
		For Level 3 Biohazard Cleaning, Add	*4.17*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	121.45	
		For Level 1 Biohazard Cleaning, Deduct	*-24.28*	
		For Level 3 Biohazard Cleaning, Add	*40.07*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	364.28	
		For Level 1 Biohazard Cleaning, Deduct	*-72.85*	
		For Level 3 Biohazard Cleaning, Add	*120.20*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation.	30.38	
		For Level 1 Biohazard Cleaning, Deduct	*-6.07*	
		For Level 3 Biohazard Cleaning, Add	*10.02*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.55	
		For Level 1 Biohazard Cleaning, Deduct	*-0.10*	
		For Level 3 Biohazard Cleaning, Add	*0.16*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.64	
		For Level 1 Biohazard Cleaning, Deduct	*-0.10*	
		For Level 3 Biohazard Cleaning, Add	*0.16*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	107.35	
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	457.24	
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,280.27	
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	155.99	
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	428.98	
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	1,169.93	
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	45.88	
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	126.17	
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	344.10	
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	104.34	
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	428.56	
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	1,294.99	
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up Note: Required if over 800 hours operation.	131.21	
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	435.08	
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	870.16	
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,740.31	
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	580.10	
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,160.21	
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,320.42	
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	979.47	
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,958.93	
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,917.87	
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,305.96	
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,611.91	
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	5,223.82	
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,632.45	
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,264.89	
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	6,529.78	
02 87 19 00-0125	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	111.14	
02 87 19 00-0126	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	222.27	
02 87 19 00-0127	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	666.81	
02 87 19 00-0128	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,333.62	
02 87 19 00-0129	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	2,222.71	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	95.14	
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	261.63	
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	713.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0133		**Bio-Hazard And Infectious Disease Control Hauling By Truck** *(02 87 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	109.34	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.37*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up Note: Each first 15 miles per trip	163.44	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.04*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	169.03	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.11*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	177.09	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.21*	
02 87 19 00-0138		**Bio-Hazard And Infectious Disease Control Disposal** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	47.38	
02 87 19 00-0140		**BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters** *(02 87 19)* Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	45,047.15	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,330.54	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,165.29	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.66	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	1,966.72	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	32,212.44	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,122.79	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	50,701.85	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	304.30	
02 87 19 00-0150	EA	10 Lbs Sledgehammer (AKS-AA268)	93.16	
02 87 19 00-0151		**Bio-Hazard And Infectious Disease Time And Material Tasks** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152		**Bio-Hazard And Infectious Disease Control Labor** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	115.92	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	128.68	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	102.85	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	123.67	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	136.00	
02 87 19 00-0158		**Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.19	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	23.65	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.33	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	125.72	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	53.06	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	383.55	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	52.43	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	95.26	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	27.53	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	23.51	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,563.76	

02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0039 for temporary walls.

02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	11.84	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	4.22	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up	116.03	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	349.34	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up	11.70	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	6.02	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	15.10	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	76.33	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	60.87	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	8.54	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up	18.80	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	187.36	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001 Barriers And Protection *(02 89)*

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers *(02 89 00 00-0001)*

See CSI section 01 56 16 00-0039 for temporary stud walls.

02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting *(02 89 00 00-0001)*

02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.52	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.68	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.91	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.64	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.81	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.05	
02 89 00 00-0010	EA	Up To 36 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	142.38	
02 89 00 00-0011	EA	>36 To 72 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	276.97	
02 89 00 00-0012	EA	>72 To 144 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	543.12	
02 89 00 00-0013	LF	Caulk Seams With Latex, Hazmat Containment Construction	4.76	
02 89 00 00-0014	SF	2 Layers 6 Mil Poly, Protect Carpeted Area, Hazmat Containment Construction	2.02	

02 89 00 00-0015 Cleaning Surfaces *(02 89 00 00-0001)*

Note: Other surfaces outside contamination area but not contaminated by, or part of removal.

02 89 00 00-0016	SF	Up To 100 SF, Clean Non-Asbestos Surface	2.12	
02 89 00 00-0017	SF	>100 To 500 SF, Clean Non-Asbestos Surface	1.49	
02 89 00 00-0018	SF	>500 To 1,000 SF, Clean Non-Asbestos Surface	0.97	
02 89 00 00-0019	SF	>1,000 SF, Clean Non-Asbestos Surface	0.76	

02 89 00 00-0020 Decontamination Chambers *(02 89)*

Note: Includes removal after use.

02 89 00 00-0021	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	978.43	
02 89 00 00-0022	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,152.44	
02 89 00 00-0023	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	590.89	
		For Dismantling And Relocation To A Different Area, Add	*367.07*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Clean-up *(02 90)*

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal *(02 90 50)*

Note: For materials not requiring mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	28.59	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.96	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.58	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.70	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.06	

02 90 50 00-0008 Cleaning *(02 90 50)*

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings *(02 90 50 00-0008)*

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.20	
		For Medium Clean, Add	*11.84*	
		For Heavy Clean, Add	*36.66*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.57	
		For Medium Clean, Add	*0.66*	
		For Heavy Clean, Add	*2.04*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.82	
		For Medium Clean, Add	*1.18*	
		For Heavy Clean, Add	*3.67*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.14	
		For Medium Clean, Add	*3.42*	
		For Heavy Clean, Add	*10.58*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.32	
		For Medium Clean, Add	*11.05*	
		For Heavy Clean, Add	*34.22*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	162.31	
		For Medium Clean, Add	*68.17*	
		For Heavy Clean, Add	*211.00*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.21	
		For Medium Clean, Add	*13.95*	
		For Heavy Clean, Add	*43.17*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.33	
		For Medium Clean, Add	*13.16*	
		For Heavy Clean, Add	*40.73*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.87	
		For Medium Clean, Add	*2.89*	
		For Heavy Clean, Add	*8.93*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.79	
		For Medium Clean, Add	*3.69*	
		For Heavy Clean, Add	*11.43*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.21	
		For Medium Clean, Add	*3.03*	
		For Heavy Clean, Add	*9.37*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.10	
		For Medium Clean, Add	*5.92*	
		For Heavy Clean, Add	*18.33*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.21	
		For Medium Clean, Add	*3.03*	
		For Heavy Clean, Add	*9.37*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.53	
		For Medium Clean, Add	*5.26*	
		For Heavy Clean, Add	*16.29*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.01	
		For Medium Clean, Add	*1.26*	
		For Heavy Clean, Add	*3.91*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.33	
		For Medium Clean, Add	*2.24*	
		For Heavy Clean, Add	*6.93*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.04	
		For Medium Clean, Add	*2.54*	
		For Heavy Clean, Add	*7.85*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.42	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.55*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.92	
		For Medium Clean, Add	*0.39*	
		For Heavy Clean, Add	*1.20*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.82	
		For Medium Clean, Add	*0.34*	
		For Heavy Clean, Add	*1.07*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.44	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.57*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.36	
		For Medium Clean, Add	*0.15*	
		For Heavy Clean, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.38*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.25*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	66.09	
		For Medium Clean, Add	*27.76*	
		For Heavy Clean, Add	*85.92*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	82.61	
		For Medium Clean, Add	*34.70*	
		For Heavy Clean, Add	*107.39*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	99.13	
		For Medium Clean, Add	*41.63*	
		For Heavy Clean, Add	*128.87*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	115.66	
		For Medium Clean, Add	*48.58*	
		For Heavy Clean, Add	*150.36*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.72	
		For Medium Clean, Add	*0.30*	
		For Heavy Clean, Add	*0.94*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.47	
		For Medium Clean, Add	*0.62*	
		For Heavy Clean, Add	*1.91*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.69	
		For Medium Clean, Add	*0.71*	
		For Heavy Clean, Add	*2.20*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.54	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.00*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.77	
		For Medium Clean, Add	*0.74*	
		For Heavy Clean, Add	*2.30*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.89	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.46*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.17	
		For Medium Clean, Add	*0.91*	
		For Heavy Clean, Add	*2.82*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	12.98	
		For Medium Clean, Add	*5.45*	
		For Heavy Clean, Add	*16.87*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	30.59	
		For Medium Clean, Add	*12.85*	
		For Heavy Clean, Add	*39.77*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	26.44	
		For Medium Clean, Add	*11.10*	
		For Heavy Clean, Add	*34.37*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	18.80	
		For Medium Clean, Add	*7.90*	
		For Heavy Clean, Add	*24.44*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	18.99	
		For Medium Clean, Add	*7.98*	
		For Heavy Clean, Add	*24.69*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	8.71	
		For Medium Clean, Add	*3.66*	
		For Heavy Clean, Add	*11.32*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.62	
		For Medium Clean, Add	*2.36*	
		For Heavy Clean, Add	*7.31*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.67	
		For Medium Clean, Add	*6.58*	
		For Heavy Clean, Add	*20.37*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.16	
		For Medium Clean, Add	*25.27*	
		For Heavy Clean, Add	*78.21*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.64	
		For Medium Clean, Add	*2.37*	
		For Heavy Clean, Add	*7.33*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.06	
		For Medium Clean, Add	*16.41*	
		For Heavy Clean, Add	*50.78*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	34.78	
		For Medium Clean, Add	*14.61*	
		For Heavy Clean, Add	*45.21*	
02 90 50 00-0068		**Clean Electrical** *(02 90 50 00-0008)*		
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	23.19	
		For Medium Clean, Add	*9.74*	
		For Heavy Clean, Add	*30.15*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	25.07	
		For Medium Clean, Add	*10.53*	
		For Heavy Clean, Add	*32.59*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.59	
		For Medium Clean, Add	*13.69*	
		For Heavy Clean, Add	*42.37*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	22.87	
		For Medium Clean, Add	*9.61*	
		For Heavy Clean, Add	*29.73*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.05	
		For Medium Clean, Add	*6.32*	
		For Heavy Clean, Add	*19.57*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	6.89	
		For Medium Clean, Add	*2.89*	
		For Heavy Clean, Add	*8.96*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.33	
		For Medium Clean, Add	*2.24*	
		For Heavy Clean, Add	*6.93*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.88	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.44*	
02 90 50 00-0077		**Thermal Fog** *(02 90 50 00-0008)*		
02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	
02 90 50 00-0079		**Contents Manipulation** *(02 90 50)*		
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.24	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.29	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	193.09	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	256.07	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	145.76	
02 90 50 00-0086		**Water Disaster Clean-up** *(02 90 50)*		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.67	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.20	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.45	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.46	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.75	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.18	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.66	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.96	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.91	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.33	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.45	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.69	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.48	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.28	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.28	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.28	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0107		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.28	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.61	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.85	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	2.02	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.98	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.22	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.39	
02 90 50 00-0115		**Minimum Charges** *(02 90 50)*		
02 90 50 00-0116	EA	Disaster Cleaning Minimum Charge	1,405.43	
02 90 50 00-0117	EA	Disaster Water Extraction Minimum Charge	291.42	
02 90 50 00-0118	EA	Disaster Carpet Cleaning Minimum Charge	248.62	
02 90 50 00-0119		**Document Restoration** *(02 90 50)*		
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	128.39	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	64.18	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.14	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.08	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	20.51	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	5.85	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	12.85	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	12.85	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	385.15	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	51.34	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	5.16	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.08	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	126.57	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.08	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.08	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.08	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	189.68	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.08	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.08	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.20	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	253.10	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.20	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.20	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.09	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.09	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.09	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	316.31	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.18	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	474.61	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.18	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.18	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	3.97	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.92	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	128.39	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	179.75	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	3.97	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.92	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	5.16	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	12.85	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	51.34	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.41	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.62	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.63	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.53	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.39	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	9.28	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	18.00	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	72.11	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	19.68	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	231.09	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	179.75	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	154.06	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	205.42	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	385.15	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	236.27	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	51.34	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	6.42	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	12.85	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	131.61	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	112.81	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,102.16	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	28.20	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,306.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	235.01	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	12.85	
02 90 50 00-0185	CF	Ozoning For Document Restoration	8.34	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.36	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.12	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	31.57	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up	61.68	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up	43.18	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up	59.37	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up	97.15	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up	80.96	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up	113.34	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	161.91	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up	118.73	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up	59.11	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up	80.96	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up	37.78	
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up	61.68	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up	85.71	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up	103.06	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up	92.52	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up	66.82	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up	64.76	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up	53.46	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Clean Up	32.90	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	107.35	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	409.53	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,121.23	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	55.06	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	147.10	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	406.07	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	101.52	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	258.98	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	611.18	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	559.39	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	1,502.06	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	4,185.04	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	1,263.80	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	3,335.60	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	8,991.61	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	91.16	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	258.98	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	890.87	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	84.94	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	227.90	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	590.46	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	135.91	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	387.84	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	1,083.97	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	965.45	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,896.34	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,689.03	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	99.45	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	223.75	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	596.68	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	124.31	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	279.69	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	745.85	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	93.23	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	132.60	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	362.56	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	1,015.18	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	161.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	549.03	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	1,046.26	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	155.99	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	428.98	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	1,169.93	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	51.80	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	31.08	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	82.87	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	227.90	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	621.54	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	103.59	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	284.87	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	776.92	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	155.38	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,830.28	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	45.88	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	126.17	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	344.10	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	66.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	181.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	495.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	191.10	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	525.52	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,433.23	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	218.48	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	600.81	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,638.56	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	24.86	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	68.37	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	186.46	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	141.01	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	387.77	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,057.56	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	192.26	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	35.22	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	33.03	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	40.37	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	55.06	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	151.40	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	412.92	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	93.23	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	256.39	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	699.23	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	229.40	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	124.31	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	183.52	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	275.28	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	183.52	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	134.67	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	51.80	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,816.18	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	16.57	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	45.58	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	124.31	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	111.96	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	329.42	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	1,127.52	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	220.77	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	520.39	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,450.80	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	236.54	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	591.35	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,592.72	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.55	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	45.88	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	261.33	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	129.73	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	211.51	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	265.41	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	281.08	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	234.07	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,055.68	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	45.88	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	126.17	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	344.10	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	155.99	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	428.98	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,169.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	31.02	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	85.31	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	232.66	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	64.23	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	159.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	383.28	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	64.23	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	159.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	404.00	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	147.10	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	393.64	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	1,098.05	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	45.88	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	126.17	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	344.10	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	130.52	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	261.05	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	522.09	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	261.05	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	522.09	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	1,044.19	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	327.34	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	654.69	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,309.38	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	435.08	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	870.16	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,740.31	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	497.23	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	994.46	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,988.93	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	580.10	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	1,160.21	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	2,320.42	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	313.26	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	861.45	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	2,349.42	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	95.14	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	261.63	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	713.53	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	39.48	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	51.80	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	142.44	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	388.46	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	820.66	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,256.82	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	6,154.98	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	186.46	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	512.77	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,398.46	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,171.30	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,221.08	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,784.77	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	968.25	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,662.69	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	7,261.89	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	75.20	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	206.81	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	564.03	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	46.06	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	126.67	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	345.47	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	31.08	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	85.46	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	233.08	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	118.45	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	325.73	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	888.35	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	466.16	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,281.93	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	3,496.16	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,294.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	3,560.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	9,711.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	24.86	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	68.37	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	186.46	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	725.13	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,994.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	5,438.48	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	51.80	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	142.44	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	388.46	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	352.52	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	969.43	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,643.89	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	155.99	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	428.98	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,169.93	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	229.40	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	630.85	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	1,720.49	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	57.63	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	158.49	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	432.25	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	96.05	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	264.15	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	720.41	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	284.45	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	782.25	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	2,133.41	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	183.52	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	504.68	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,376.39	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	258.98	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	712.18	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,942.31	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	253.43	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	696.94	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,900.73	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	270.91	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	745.00	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	2,031.82	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	270.91	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	745.00	
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	2,031.82	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	305.86	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	841.13	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	2,293.99	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	642.32	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,766.37	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	4,817.37	
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	1,101.11	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	3,028.06	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	8,258.36	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,695.37	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	4,662.26	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	12,715.24	
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,695.37	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	4,662.26	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	12,715.24	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,770.52	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	4,868.93	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	13,278.91	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	2,202.23	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	6,056.13	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	16,516.71	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	2,477.51	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	6,813.14	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	18,581.30	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,661.03	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	7,317.82	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	19,957.69	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	3,495.60	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	9,612.90	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	26,217.00	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	3,670.38	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	10,093.54	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	27,527.85	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	641.58	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,764.36	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,811.88	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	888.35	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,442.95	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,662.60	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,101.11	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,028.06	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,258.36	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,468.15	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,037.42	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	11,011.14	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,477.51	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,813.14	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	18,581.30	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,752.78	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,570.16	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	20,645.89	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	36.70	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	100.94	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	275.28	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	51.80	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	142.44	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	388.46	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,289.48	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	25,546.07	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	69,671.11	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,222.06	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,068.11	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,017.14	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,478.18	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,700.25	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,077.70	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,238.38	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,682.52	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	14,570.78	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	31.59	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	151.35	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	352.52	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	56.87	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	52.64	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	5.18	

02 90 55 00-0333 Freight Charges *(02 90 55 00-0022)*

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.59	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	4.66	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	4.66	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	6.73	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	15.19	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	17.90	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.76	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	23.65	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	125.72	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.26	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	7.49	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	50.25	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	50.25	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	53.06	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	59.16	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.23	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	27.53	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.56	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.48	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	2.24	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	5.32	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	7.29	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	8.17	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	13.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0360	EA	Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	23.51	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	15.33	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	25.28	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	6.71	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	9.18	
02 90 55 00-0365		**Emergency Clean-up Expendables** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0366		**General Materials** *(02 90 55 00-0365)*		
02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	110.11	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	35.32	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	45.07	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	5.80	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	8.81	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	8.81	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	11.84	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.52	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	8.75	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	13.26	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	34.11	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	27.83	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	46.63	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	37.60	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	108.23	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	4.33	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	148.05	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	74.51	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	323.75	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	48.45	
02 90 55 00-0387	GAL	Heavy Duty Degreaser For Emergency Clean-up	55.52	
02 90 55 00-0388	GAL	De-Foamer Liquid For Emergency Clean-up	63.68	
02 90 55 00-0389	EA	Deodorization Membrane For Emergency Clean-up	118.77	
02 90 55 00-0390	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	190.34	
02 90 55 00-0391	LB	Deodorizing Gel For Emergency Clean-up	44.72	
02 90 55 00-0392	GAL	Deodorizing Liquid For Emergency Clean-up	62.98	
02 90 55 00-0393	PAIL	Deodorizing Block For Emergency Clean-up	11.24	
02 90 55 00-0394	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	116.03	
02 90 55 00-0395	GAL	BruClean Disinfectant For Emergency Clean-up	37.90	
02 90 55 00-0396	GAL	Dryclean For Emergency Clean-up	49.49	
02 90 55 00-0397	GAL	Duct Sealant Spray For Emergency Clean-up	74.58	
02 90 55 00-0398	GAL	Antifungal Duct Sealant For Emergency Clean-up	107.73	
02 90 55 00-0399	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	171.65	
02 90 55 00-0400	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.67	
02 90 55 00-0401	GAL	Encapsulant For Emergency Clean-up	123.33	
02 90 55 00-0402	GAL	Aftershock Fiberlocke For Emergency Clean-up	108.29	
02 90 55 00-0403	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	127.92	
02 90 55 00-0404	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	131.57	
02 90 55 00-0405	ROL	Filter Material For Emergency Clean-up	290.36	
02 90 55 00-0406	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	7.82	
02 90 55 00-0407	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	621.03	
02 90 55 00-0408	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	2.98	
02 90 55 00-0409	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.27	
02 90 55 00-0410	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	47.23	
02 90 55 00-0411	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	449.18	
02 90 55 00-0412	EA	Pleated Dehumidifier Filter For Emergency Clean-up	11.85	
02 90 55 00-0413	GAL	Floor Stripper For Emergency Clean-up	23.20	
02 90 55 00-0414	GAL	Floor Wax For Emergency Clean-up	33.15	
02 90 55 00-0415	GAL	Fogger (Thermal) For Emergency Clean-up	201.88	
02 90 55 00-0416	BOX	Furniture Blocks For Emergency Clean-up	162.60	
02 90 55 00-0417	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	21.91	
02 90 55 00-0418	GAL	Glass Cleaner For Emergency Clean-up	14.61	
02 90 55 00-0419	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	18.80	
02 90 55 00-0420	EA	Halogen Light Bulbs For Emergency Clean-up	23.67	
02 90 55 00-0421	QT	Hand Sanitizer For Emergency Clean-up	11.70	
02 90 55 00-0422	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	9.63	
02 90 55 00-0423	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	22.91	
02 90 55 00-0424	GAL	HVAC Coal Cleaner For Emergency Clean-up	71.82	
02 90 55 00-0425	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	161.13	
02 90 55 00-0426	EA	Utility Knives For Emergency Clean-up	18.23	
02 90 55 00-0427	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	138.22	
02 90 55 00-0428	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	145.93	
02 90 55 00-0429	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	290.54	
02 90 55 00-0430	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	419.95	
02 90 55 00-0431	GAL	Lemon Oil For Emergency Clean-up	58.73	
02 90 55 00-0432	GAL	LPS 1/Mecca Lube For Emergency Clean-up	60.23	
02 90 55 00-0433	GAL	LPS 2 For Emergency Clean-up	63.75	
02 90 55 00-0434	GAL	LPS Contact Cleaner For Emergency Clean-up	63.45	
02 90 55 00-0435	GAL	Light Lubricant Preserve For Emergency Clean-up	168.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0436	GAL	Heavy Lubricant Preserver For Emergency Clean-up	33.15	
02 90 55 00-0437	GAL	Machinery Cleaning Solvent For Emergency Clean-up	281.16	
02 90 55 00-0438	GAL	Metal Polishing Paste For Emergency Clean-up	31.13	
02 90 55 00-0439	GAL	MediClean® Disinfectant For Emergency Clean-up	66.99	
02 90 55 00-0440	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	82.23	
02 90 55 00-0441	EA	Mop Heads For Emergency Clean-up	10.43	
02 90 55 00-0442	EA	Nylon Scouring Pads For Emergency Clean-up	1.82	
02 90 55 00-0443	GAL	Odor Neutralizer For Emergency Clean-up	46.63	
02 90 55 00-0444	EA	Packing Paper, 25 LB Bundle For Emergency Clean-up	83.79	
02 90 55 00-0445	EA	Paint Brushes For Emergency Clean-up	8.29	
02 90 55 00-0446	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	195.41	
02 90 55 00-0447	EA	Putty Knives For Emergency Clean-up	7.51	
02 90 55 00-0448	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	42.64	
02 90 55 00-0449	GAL	Reodorant For Emergency Clean-up	140.88	
02 90 55 00-0450	GAL	Restoracide For Emergency Clean-up	66.08	
02 90 55 00-0451	GAL	Rust Remover For Emergency Clean-up	102.77	
02 90 55 00-0452	EA	Saltesmo Test Samples For Emergency Clean-up	9.55	
02 90 55 00-0453	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	2.50	
02 90 55 00-0454	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	33.56	
02 90 55 00-0455	EA	Small Scrub Brushes For Emergency Clean-up	17.30	
02 90 55 00-0456	GAL	Clear Soot Sealant For Emergency Clean-up	119.19	
02 90 55 00-0457	GAL	Pigmented Soot Sealant For Emergency Clean-up	321.43	
02 90 55 00-0458	ROL	Shrinkwrap Plastic For Emergency Clean-up	73.99	
02 90 55 00-0459	EA	Dry Sponges For Emergency Clean-up	6.02	
02 90 55 00-0460	EA	Spray Adhesive, Per Can For Emergency Clean-up	7.72	
02 90 55 00-0461	EA	Spray Bot./Trigger For Emergency Clean-up	6.40	
02 90 55 00-0462	GAL	Stain Remover For Emergency Clean-up	42.11	
02 90 55 00-0463	GAL	Stainless Steel Cleaner For Emergency Clean-up	14.54	
02 90 55 00-0464	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	19.09	
02 90 55 00-0465	LB	Sweeping Compound For Emergency Clean-up	0.69	
02 90 55 00-0466	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	15.10	
02 90 55 00-0467	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	14.21	
02 90 55 00-0468	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	36.46	
02 90 55 00-0469	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	20.22	
02 90 55 00-0470	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	6.24	
02 90 55 00-0471	LB	Terry Towels For Emergency Clean-up	8.54	
02 90 55 00-0472	GAL	Thermal Fog For Emergency Clean-up	94.76	
02 90 55 00-0473	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	46.98	
02 90 55 00-0474	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	109.81	
02 90 55 00-0475	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	140.88	
02 90 55 00-0476	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	187.36	
02 90 55 00-0477	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up	60.48	
02 90 55 00-0478	EA	Backpack Vacuum Bags For Emergency Clean-up	2.04	
02 90 55 00-0479	EA	Upright Vacuum Bags For Emergency Clean-up	2.72	
02 90 55 00-0480	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	37.60	
02 90 55 00-0481	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	60.87	
02 90 55 00-0482	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	165.27	
02 90 55 00-0483	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	225.51	
02 90 55 00-0484	LB	Wipes, Cotton Cloth For Emergency Clean-up	6.39	
02 90 55 00-0485	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	185.62	
02 90 55 00-0486	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.80	
02 90 55 00-0487	EA	Zip Wall Zippers For Emergency Clean-up	28.17	
02 90 55 00-0488	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	33.76	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	50.65	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	53.36	
02 90 55 00-0491	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	87.12	

02 90 55 00-0492 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0493	EA	Brush - Brass For Emergency Clean-up	6.22	
02 90 55 00-0494	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.99	
02 90 55 00-0495	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.66	
02 90 55 00-0496	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.41	
02 90 55 00-0497	EA	Brush - Parts For Emergency Clean-up	8.62	
02 90 55 00-0498	EA	Brush - Plastic For Emergency Clean-up	4.48	
02 90 55 00-0499	EA	Brush - Wire Grout For Emergency Clean-up	9.87	
02 90 55 00-0500	EA	Brushing Tool For Emergency Clean-up	19.04	
02 90 55 00-0501	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.41	
02 90 55 00-0502	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.50	
02 90 55 00-0503	EA	Contact Restorer, Per Can For Emergency Clean-up	37.68	
02 90 55 00-0504	EA	Contact Spray, Per Can For Emergency Clean-up	25.64	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.98	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	11.39	
02 90 55 00-0507	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	14.76	
02 90 55 00-0508	LB	Cotton Cleaning Cloths For Emergency Clean-up	23.31	
02 90 55 00-0509	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0510	EA	24" x 24" Dust Cloths For Emergency Clean-up	1.02	
02 90 55 00-0511	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	18.26	
02 90 55 00-0512	GAL	Electronic Grade Detergent For Emergency Clean-up	42.30	
02 90 55 00-0513	SHT	Inventory Labels For Emergency Clean-up	0.23	
02 90 55 00-0514	GAL	Isopropyl Alcohol For Emergency Clean-up	112.10	
02 90 55 00-0515	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	169.61	
02 90 55 00-0516	GAL	PC Board Detergent For Emergency Clean-up	106.44	
02 90 55 00-0517	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	181.68	
02 90 55 00-0518	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	183.05	
02 90 55 00-0519	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	195.66	
02 90 55 00-0520	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.39	
02 90 55 00-0521	EA	Wire Marker Card For Emergency Clean-up	2.90	
02 90 55 00-0522	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.59	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 20 Maintenance of Concrete Reinforcing *(03 01)*

03 01 20 00-0001 Rebar Coating *(03 01 20)*

03 01 20 00-0002	SF	20 Mil Thick, Cementitious Epoxy Resin Compensated 3-Component, Solvent-Free, Coating Material With Corrosion Inhibitor, And Reinforcement Corrosion Protection - Per Coat (Sika® Armatec®-110 EpoCem)	2.51

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	3.91
		For Up To 100, Add	*3.24*
		For >100 To 250, Add	*0.81*
		For >250 To 500, Add	*0.41*
		For >5,000 To 10,000, Deduct	*-0.08*
		For >10,000, Deduct	*-0.16*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	5.52
		For Up To 100, Add	*6.46*
		For >100 To 250, Add	*1.62*
		For >250 To 500, Add	*0.81*
		For >5,000 To 10,000, Deduct	*-0.16*
		For >10,000, Deduct	*-0.32*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	6.33
03 01 30 71-0005	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	18.95
03 01 30 71-0006	SF	Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate)	0.55

03 01 30 71-0007 Verticals Or Overheads *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	9.54
03 01 30 71-0009	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	26.61
03 01 30 71-0010	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	29.79
03 01 30 71-0011	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.00
03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	15.94

03 01 30 71-0013 Circular Piers *(03 01 30 71-0002)*

03 01 30 71-0014	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	12.47
03 01 30 71-0015	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	21.51

03 01 30 71-0016 Soffit Repair *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0017	LF	Up To 16" Wide Concrete Soffit Repair	19.59
03 01 30 71-0018	LF	>16" To 20" Wide Concrete Soffit Repair	20.50
03 01 30 71-0019	LF	>20" To 24" Wide Concrete Soffit Repair	22.35
03 01 30 71-0020	LF	>24" To 30" Wide Concrete Soffit Repair	24.29
03 01 30 71-0021	LF	>30" To 36" Wide Concrete Soffit Repair	25.81

03 01 30 71-0022 Edge Repair *(03 01 30 71-0002)*

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0023	LF	2" Spall Concrete Edge Repair	20.73
03 01 30 71-0024	LF	3" Spall Concrete Edge Repair	21.75
03 01 30 71-0025	LF	4" Spall Concrete Edge Repair	22.37
03 01 30 71-0026	LF	6" Spall Concrete Edge Repair	23.09
03 01 30 71-0027	LF	8" Spall Concrete Edge Repair	24.38
03 01 30 71-0028	LF	9" Spall Concrete Edge Repair	27.43
03 01 30 71-0029	CF	Patch Edge, Portland Cement Based Repair Material	174.61
03 01 30 71-0030	CF	Patch Edge, Rapid Setting Concrete Repair Material	239.69
03 01 30 71-0031	CF	Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate	246.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0032	CF	Patch Edge, SSI Flex Patch (Other Than Specified)	489.64	
03 01 30 71-0033		**Concrete Materials** *(03 01 30 71-0002)*		
		Note: Excludes saw cutting, sand blasting and forming.		
03 01 30 71-0034	SF	Sika Ferroguard® 903	1.48	
03 01 30 71-0035	SF	Sika-Guard 701W	1.68	
03 01 30 71-0036	SF	Sika 550W Pearl Ash	0.97	
03 01 30 71-0037	SF	Sika Top 144 Gray	2.36	
03 01 30 71-0038		**Bridge Deck Treatment** *(03 01 30 71-0002)*		
03 01 30 71-0039	SF	Sweep Bridge Deck	0.02	
03 01 30 71-0040	SF	Clean Bridge Deck	0.02	
03 01 30 71-0041	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.24	
03 01 30 71-0042		**Concrete Finishes** *(03 01 30 71-0001)*		
03 01 30 71-0043		**Concrete Patching** *(03 01 30 71-0042)*		
03 01 30 71-0044		**Walls** *(03 01 30 71-0043)*		
03 01 30 71-0045	BAG	Sika Top 111 Plus	174.17	
		Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).		
		For Up To 10, Add	*63.89*	
		For >10 To 25, Add	*38.33*	
		For >25 To 50, Add	*25.56*	
		For >50 To 75, Add	*12.78*	
03 01 30 71-0046	BAG	Sika Grout 212, 50 LB Bag	119.56	
		Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
		For Up To 10, Add	*40.45*	
		For >10 To 25, Add	*24.27*	
		For >25 To 50, Add	*16.18*	
		For >50 To 75, Add	*8.09*	
03 01 30 71-0047	EA	Sika Flex 1A, 10.3 Ounce Tube	40.37	
		Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0048	BAG	Pea Gravel	30.66	
03 01 30 71-0049	BAG	Sika Top 123, 44 LB Bag	177.34	
03 01 30 71-0050	BAG	Sika Top 121 Plus Kit	169.93	
		Note: SikaTop 121 PLUS is a two component, polymer-modified, leveling and pore sealing mortar. Yield: 0.4 cu. ft./unit.		
03 01 30 71-0051	BAG	Sika Top 122 Plus Kit	188.39	
		Note: SikaTop 122 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, trowel-grade mortar. Yield: 0.51 cu. ft./ unit mortar; 0.75 cu. ft./unit concrete; (SikaTop 122 + 42 lbs. 3/8" pea gravel).		
03 01 30 71-0052	BAG	Sika Top 123 Plus Kit	185.07	
		Note: SikaTop 123 PLUS is a two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. Yield: 0.39 cu. ft./unit.		
03 01 30 71-0053		**Crack Repair For Concrete** *(03 01 30 71-0001)*		
03 01 30 71-0054		**Non-Structural Crack Repair For Concrete** *(03 01 30 71-0053)*		
03 01 30 71-0055		**Surface Applied, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0054)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0056	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	7.00	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0057	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	9.16	
		For V-Grooving Crack With Grinder, Add	*5.47*	
03 01 30 71-0058	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	7.14	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0059	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.44	
		For V-Grooving Crack With Grinder, Add	*5.47*	
03 01 30 71-0060	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.65	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0061	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.45	
		For V-Grooving Crack With Grinder, Add	*5.47*	
03 01 30 71-0062	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	8.02	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0063	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	11.19	
		For V-Grooving Crack With Grinder, Add	*5.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0064	LF	Up To 1/4" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	6.07	
		For V-Grooving Crack With Grinder, Add	*4.80*	
03 01 30 71-0065	LF	Up To 1/4" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	7.27	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0066	LF	>1/4" To 1/2" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	7.27	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0067	LF	>1/4" To 1/2" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	9.69	
		For V-Grooving Crack With Grinder, Add	*7.21*	
03 01 30 71-0068		**Pressure Injected, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0054)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0069	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	31.03	
		For Cracks Accessible From Both Sides, Add	*6.32*	
03 01 30 71-0070		**Structural Crack Repair For Concrete** *(03 01 30 71-0053)*		
03 01 30 71-0071		**Surface Applied, Structural Crack Repair For Concrete** *(03 01 30 71-0070)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0072	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	8.11	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0073	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.38	
		For V-Grooving Crack With Grinder, Add	*5.47*	
03 01 30 71-0074	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.92	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0075	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	10.98	
		For V-Grooving Crack With Grinder, Add	*5.47*	
03 01 30 71-0076	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.56	
		For V-Grooving Crack With Grinder, Add	*5.60*	
03 01 30 71-0077	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.29	
		For V-Grooving Crack With Grinder, Add	*5.47*	
03 01 30 71-0078		**Pressure Injected, Structural Crack Repair For Concrete** *(03 01 30 71-0070)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0079	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	27.07	
		For Cracks Accessible From Both Sides, Add	*6.32*	
03 01 30 71-0080	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	26.87	
		For Cracks Accessible From Both Sides, Add	*6.32*	
03 01 30 71-0081		**Surface Applied Polyurethane Elastomeric Sealant (Sikaflex®-2c NS EZ Mix)** *(03 01 30 71-0053)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, etc.		
03 01 30 71-0082	LF	1/4" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	2.81	
03 01 30 71-0083	LF	3/8" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	2.97	
03 01 30 71-0084	LF	1/2" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.18	
03 01 30 71-0085	LF	3/8" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.23	
03 01 30 71-0086	LF	1/2" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.51	
03 01 30 71-0087	LF	3/4" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	4.75	
03 01 30 71-0088	LF	1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.92	
03 01 30 71-0089	LF	3/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	4.48	
03 01 30 71-0090	LF	1" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	5.04	
03 01 30 71-0091	LF	1-1/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	5.58	
03 01 30 71-0092	LF	1-1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	6.24	
03 01 30 71-0093		**Carbon Fiber Strengthening System** *(03 01 30 71-0001)*		
		Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0094	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	79.61	
03 01 30 71-0095	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	70.86	
03 01 30 71-0096	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	65.94	
03 01 30 71-0097	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	63.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0098	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	59.39	
03 01 30 71-0099		High Modulus Carbon Fiber Fabric (V-Wrap™ C200HM) *(03 01 30 71-0001)* Note: V-Wrap C200HM is a unidirectional carbon fiber fabric with fiber oriented in the 0° direction. V-Wrap C200HM system is field laminated using two-part 100% solids and high strength structural adhesives.		
03 01 30 71-0100	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Columns	69.56	
03 01 30 71-0101	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Ceiling Slabs	65.38	
03 01 30 71-0102	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Walls	63.06	
03 01 30 71-0103		Carbon Fiber Strengthening Fabric (SikaWrap) *(03 01 30 71-0001)*		
03 01 30 71-0104	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Columns (SikaWrap® Hex-103 C)	60.24	
03 01 30 71-0105	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Ceiling Slabs (SikaWrap® Hex-103 C)	56.06	
03 01 30 71-0106	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Walls (SikaWrap® Hex-103 C)	53.74	
03 01 30 71-0107	SF	5 Mil Thick, Water Dispersed, Acrylic, Protective, Anti-Carbonation Coating (Sikagard®-670 W) Note: Adhesive for Carbon fiber warp application	1.46	
03 01 30 71-0108		Concrete Rehabilitation *(03 01 30 71)*		
03 01 30 71-0109		Corrosive Inhibitor *(03 01 30 71-0108)*		
03 01 30 71-0110	SF	Corrosive Inhibitor	6.02	
03 01 30 71-0111		Remove Cracked Or Damaged Concrete Surfacing Material *(03 01 30 71)*		
03 01 30 71-0112	SF	Removal Of Concrete <3/4" Deep On Vertical Wall Surfaces Note: Excludes patching materials	19.12	
03 01 30 71-0113	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	25.33	
03 01 30 71-0114	SF	Removal Of Concrete >1-1/2" To 3" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	31.55	
03 01 30 71-0115	SF	Removal Of Concrete >3" To 4" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	42.06	
03 01 30 71-0116	SF	Removal Of Concrete <3/4" Deep On Overhead Surfaces Note: Excludes patching materials	38.24	
03 01 30 71-0117	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Overhead Surfaces Note: Excludes patching materials.	50.67	
03 01 30 71-0118	SF	Removal Of Concrete >1-1/2" To 3" Deep On Overhead Surfaces Note: Excludes patching materials.	63.09	
03 01 30 71-0119	SF	Removal Of Concrete >3" To 4" Deep On Overhead Surfaces Note: Excludes patching materials.	84.12	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.38	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	6.37	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	4.41	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	6.86	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	13.73	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	12.26	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	24.52	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	5.30	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	10.33	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.36	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	14.71	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	4.90	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	11.77	
03 05 13 00-0014	CY	1 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	10.46	
03 05 13 00-0015	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	15.69	
03 05 13 00-0016	CY	25 LB/CY Steel Fibers, Concrete Admixture	46.40	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	78.46	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	29.42	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	15.69	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	15.69	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	37.77	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	62.95	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	120.86	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	167.86	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork			8.05
		For <1,000, Add			*1.51*
		For Foundations >8' Below Grade, Add			*1.46*
		For Curved Formwork, Add			*2.91*
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork			9.59
		For <1,000, Add			*1.81*
		For Foundations >8' Below Grade, Add			*1.76*
		For Curved Formwork, Add			*3.52*
03 11 13 00-0005	SF	Mat Foundation Wood Formwork			11.17
		For <1,000, Add			*2.13*
		For Foundations >8' Below Grade, Add			*2.07*
		For Curved Formwork, Add			*4.15*
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork			9.28
		For <1,000, Add			*1.75*
		For Foundations >8' Below Grade, Add			*1.70*
		For Curved Formwork, Add			*3.39*
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork			13.13
		Note: Excludes footing			
		For <1,000, Add			*2.47*
		For Foundations >8' Below Grade, Add			*2.40*
		For Curved Formwork, Add			*4.79*

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork			6.21
		For Foundations >8' Below Grade, Add			*1.16*
		For Curved Formwork, Add			*2.32*
		For Up To 250, Add			*1.19*
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork			8.90
		For Foundations >8' Below Grade, Add			*1.62*
		For Curved Formwork, Add			*3.24*
		For Up To 250, Add			*1.67*
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork			11.53
		For Foundations >8' Below Grade, Add			*2.10*
		For Curved Formwork, Add			*4.20*
		For <1,000, Add			*2.17*

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork			48.02
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork			70.24
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork			88.39
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork			126.78
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork			182.01
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork			240.55

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork			14.67
		For Curved Formwork, Add			*5.41*
		For <1,000, Add			*2.78*
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork			17.35
		For Curved Formwork, Add			*6.41*
		For <1,000, Add			*3.29*

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork			19.32
		For Curved Formwork, Add			*7.06*
		For <1,000, Add			*3.64*
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork			12.18
		For Curved Formwork, Add			*4.50*
		For <1,000, Add			*2.31*

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork			11.48
		For <1,000, Add			*2.09*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	7.58	
		For <1,000, Add	*1.38*	
		For Foundations >8' Below Grade, Add	*1.31*	
		For Curved Formwork, Add	*2.62*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	8.39	
		For <1,000, Add	*1.54*	
		For Foundations >8' Below Grade, Add	*1.47*	
		For Curved Formwork, Add	*2.94*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	9.41	
		For <1,000, Add	*1.71*	
		For Foundations >8' Below Grade, Add	*1.62*	
		For Curved Formwork, Add	*3.25*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	7.95	
		For <1,000, Add	*1.44*	
		For Foundations >8' Below Grade, Add	*1.37*	
		For Curved Formwork, Add	*2.73*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork Note: Excludes footing.	12.06	
		For <1,000, Add	*2.23*	
		For Foundations >8' Below Grade, Add	*2.13*	
		For Curved Formwork, Add	*4.27*	

03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	5.43	
		For Foundations >8' Below Grade, Add	*1.06*	
		For Curved Formwork, Add	*2.11*	
		For <250, Add	*1.07*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	6.80	
		For Foundations >8' Below Grade, Add	*1.31*	
		For Curved Formwork, Add	*2.62*	
		For <250, Add	*1.33*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	7.54	
		For Foundations >8' Below Grade, Add	*1.45*	
		For Curved Formwork, Add	*2.90*	
		For <1,000, Add	*1.47*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	47.19
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	57.08
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	67.00
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	80.02
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	96.44
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	115.85
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	148.68
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	183.46

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	47.94
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	53.19
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	60.93
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	70.79
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	83.43
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	95.43
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	124.30
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	163.65

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	7.50	
		For Curved Formwork, Add	*2.45*	
		For <1,000, Add	*1.32*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	9.17	
		For Curved Formwork, Add	*2.95*	
		For <1,000, Add	*1.59*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	7.56	
		For Curved Formwork, Add	*2.30*	
		For <1,000, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	5.60	
		For Curved Formwork, Add	*1.79*	
		For <1,000, Add	*0.97*	
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	10.53	
		For <1,000, Add	*1.57*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	19.49	
		For Plastic Lined, Add	*0.83*	
		For Columns >12' In Length, Add	*1.95*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	20.64	
		For Plastic Lined, Add	*0.98*	
		For Columns >12' In Length, Add	*2.06*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	22.98	
		For Plastic Lined, Add	*1.18*	
		For Columns >12' In Length, Add	*2.30*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	28.64	
		For Plastic Lined, Add	*2.10*	
		For Columns >12' In Length, Add	*2.86*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	32.28	
		For Plastic Lined, Add	*2.66*	
		For Columns >12' In Length, Add	*3.23*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	35.31	
		For Plastic Lined, Add	*3.32*	
		For Columns >12' In Length, Add	*3.53*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	38.12	
		For Plastic Lined, Add	*3.88*	
		For Columns >12' In Length, Add	*3.81*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	43.70	
		For Plastic Lined, Add	*5.27*	
		For Columns >12' In Length, Add	*4.37*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	45.72	
		For Plastic Lined, Add	*5.48*	
		For Columns >12' In Length, Add	*4.57*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	48.04	
		For Plastic Lined, Add	*5.78*	
		For Columns >12' In Length, Add	*4.80*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	50.08	
		For Plastic Lined, Add	*6.24*	
		For Columns >12' In Length, Add	*5.01*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	52.12	
		For Plastic Lined, Add	*6.70*	
		For Columns >12' In Length, Add	*5.21*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	54.17	
		For Plastic Lined, Add	*7.16*	
		For Columns >12' In Length, Add	*5.42*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	62.90	
		For Plastic Lined, Add	*9.21*	
		For Columns >12' In Length, Add	*6.29*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	100.83	
		For Plastic Lined, Add	*20.18*	
		For Columns >12' In Length, Add	*10.08*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	123.45	
		For Plastic Lined, Add	*26.56*	
		For Columns >12' In Length, Add	*12.35*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	225.30	
		For Plastic Lined, Add	*56.45*	
		For Columns >12' In Length, Add	*22.53*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	251.17	
		For Plastic Lined, Add	*63.71*	
		For Columns >12' In Length, Add	*25.12*	
03 11 13 00-0085		**Accessories For Formwork** *(03 11 13)*		
03 11 13 00-0086		**Keyway Forms, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.16	
03 11 13 00-0088		**Chamfer Strips, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.29	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	2.65	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.07	
03 11 13 00-0092		**Strip Out Reglets For Concrete Formwork** *(03 11 13 00-0085)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	11.99	
03 11 13 00-0094		Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*		
03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	15.55	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.04	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.36	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	29.90	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	39.18	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	103.82	
03 11 16		**Architectural Cast-In-Place Concrete Forming** *(03 11)*		
03 11 16 13		**Concrete Form Liners** *(03 11 16)*		
03 11 16 13-0001		Concrete Form Liners *(03 11 16 13)*		
03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	5.40	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	7.28	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	9.59	
03 11 23		**Permanent Stair Forming** *(03 11)*		
03 11 23 00-0001		Stairway Wood Formwork *(03 11 23)*		
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	18.62	
		For Curved Formwork, Add	*7.18*	
		For <1,000, Add	*3.64*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	37.01	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*13.97*	
		For <1,000, Add	*7.12*	
03 11 23 00-0004		Stairway Metal Framed Formwork *(03 11 23)*		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	15.62	
		For Curved Formwork, Add	*5.87*	
		For <1,000, Add	*3.00*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	28.94	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*10.89*	
		For <1,000, Add	*5.56*	
03 15		**Concrete Accessories** *(03 10)*		
03 15 13		**Waterstops** *(03 15)*		
03 15 13 13		**Non-Expanding Waterstops** *(03 15 13)*		
03 15 13 13-0001		Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*		
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.07	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.70	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.01	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	16.94	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	29.44	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	13.25	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	15.92	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	32.89	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	24.30	
03 15 13 13-0011		Rubber Waterstops *(03 15 13 13)*		
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	9.64	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	11.07	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	10.13	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	13.94	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.51	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	14.77	
03 15 13 16		**Expanding Waterstops** *(03 15 13)*		
03 15 13 16-0001		Bentonite Waterstops *(03 15 13 16)*		
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.68	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	16.04	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	18.33	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	21.40	
03 15 16		**Concrete Construction Joints** *(03 15)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0001		Poured Expansion Joint *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.43	0.97
		For Installation In Walls, Add	*1.62*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.56	0.97
		For Installation In Walls, Add	*1.82*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.28	0.97
		For Installation In Walls, Add	*1.62*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	6.94	0.97
		For Installation In Walls, Add	*1.82*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	4.51	0.97
		For Installation In Walls, Add	*1.82*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	8.09	0.97
		For Installation In Walls, Add	*2.96*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.80	0.97
		For Installation In Walls, Add	*1.62*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.65	0.97
		For Installation In Walls, Add	*1.62*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	11.96	0.97
		For Installation In Walls, Add	*1.82*	
03 15 16 00-0011		Premolded Expansion Joints *(03 15 16)*		
03 15 16 00-0012		Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.38	1.09
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.78	1.14
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.02	1.20
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.27	1.25
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.64	1.09
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.99	1.14
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.40	1.20
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.99	1.25
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.38	1.03
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.60	1.09
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.88	1.14
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.12	1.20
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.41	1.25
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	3.82	1.30
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.12	1.36
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	4.68	1.41
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.91	1.14
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.38	1.20
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.21	1.30
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	7.48	1.79
03 15 16 00-0033		Cork, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.38	1.14
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	4.94	1.25
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.39	1.30
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	7.75	1.36
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.26	1.41
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.03	1.79
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	10.59	1.79
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.31	1.79
03 15 16 00-0042		Flexible Polyethylene Foam, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.61	1.14
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.72	1.20
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.88	1.25
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.41	1.30
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.70	1.14
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.82	1.20
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.94	1.25
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.26	1.30
03 15 16 00-0051		Zip Strip, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	2.64	1.14
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	2.91	1.20
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.25	1.30
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	4.48	1.09
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	5.37	1.09
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker *(03 15 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker	1.25	0.82
		>1,250, Deduct	*-0.06*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker	1.17	0.82
		>1,250, Deduct	*-0.06*	
03 15 16 00-0061		Keyed Cold Expansion And Control Joints *(03 15 16)*		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	6.09	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	6.18	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	6.39	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	6.75	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	8.26	
03 15 16 00-0068		Expansion Control Systems *(03 15 16)*		
03 15 16 00-0069		Wabo Jeene "FW" Traffic Series Expansion Control System *(03 15 16 00-0068)* Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.		
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	92.03	6.56
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	113.83	7.43
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	132.05	8.20
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	157.55	9.07
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	198.29	9.94
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	234.67	10.72
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	384.41	11.59
03 15 16 00-0077		Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System *(03 15 16 00-0068)* Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.		
03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	174.78	8.68
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	217.23	10.85
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	272.84	13.02
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	133.20	8.68
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	173.21	10.85
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	231.25	13.02
03 15 16 00-0084		Emseal Seismic Colorseal Expansion Joint System *(03 15 16 00-0068)* Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.		
03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	57.88	4.37
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	85.89	5.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	118.87	5.68
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	147.39	6.23
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	181.62	6.88
03 15 16 00-0090	LF	3-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	223.90	7.54
03 15 16 00-0091	LF	4" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	268.68	8.20
03 15 16 00-0092	LF	4-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	309.00	8.74
03 15 16 00-0093	LF	5" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	351.29	9.40

03 15 16 00-0094 Emseal Thermaflex Watertight Expansion Joint System *(03 15 16 00-0068)*

Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.

03 15 16 00-0095	LF	1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	98.38	6.51
03 15 16 00-0096	LF	2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	105.05	7.59
03 15 16 00-0097	EA	Thermaflex TM Fittings Expansion Joint System Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	504.70	21.70

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.10
		For Galvanized, Add	*3.47*
		For Stainless Steel, Add	*24.29*
		For >10 To 50, Deduct	*-0.31*
		For >50 To 100, Deduct	*-0.79*
		For >100, Deduct	*-1.58*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.48
		For Galvanized, Add	*4.42*
		For Stainless Steel, Add	*30.94*
		For >10 To 50, Deduct	*-0.33*
		For >50 To 100, Deduct	*-0.89*
		For >100, Deduct	*-1.77*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.37
		For Galvanized, Add	*6.09*
		For Stainless Steel, Add	*42.63*
		For >10 To 50, Deduct	*-0.36*
		For >50 To 100, Deduct	*-1.02*
		For >100, Deduct	*-2.05*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.10
		For Galvanized, Add	*7.96*
		For Stainless Steel, Add	*55.69*
		For >10 To 50, Deduct	*-0.36*
		For >50 To 100, Deduct	*-1.12*
		For >100, Deduct	*-2.23*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.09
		For Galvanized, Add	*10.62*
		For Stainless Steel, Add	*74.34*
		For >10 To 50, Deduct	*-0.39*
		For >50 To 100, Deduct	*-1.32*
		For >100, Deduct	*-2.63*
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.90
		For Galvanized, Add	*12.14*
		For Stainless Steel, Add	*84.95*
		For >10 To 50, Deduct	*-0.43*
		For >50 To 100, Deduct	*-1.47*
		For >100, Deduct	*-2.94*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.73	
		For Galvanized, Add	*12.05*	
		For Stainless Steel, Add	*84.35*	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.68	
		For Galvanized, Add	*14.05*	
		For Stainless Steel, Add	*98.32*	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	46.77	
		For Galvanized, Add	*17.99*	
		For Stainless Steel, Add	*125.93*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	57.43	
		For Galvanized, Add	*22.67*	
		For Stainless Steel, Add	*158.69*	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.69*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	43.73	
		For Galvanized, Add	*16.47*	
		For Stainless Steel, Add	*115.29*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.81*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	51.77	
		For Galvanized, Add	*19.72*	
		For Stainless Steel, Add	*138.04*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.44*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	66.96	
		For Galvanized, Add	*26.29*	
		For Stainless Steel, Add	*184.03*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.51*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	54.94	
		For Galvanized, Add	*21.31*	
		For Stainless Steel, Add	*149.14*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.60*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	65.66	
		For Galvanized, Add	*25.64*	
		For Stainless Steel, Add	*179.48*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-5.44*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	81.54	
		For Galvanized, Add	*32.14*	
		For Stainless Steel, Add	*224.98*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-3.33*	
		For >100, Deduct	*-6.67*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.12	
		For Galvanized, Add	*39.27*	
		For Stainless Steel, Add	*274.89*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-4.12*	
		For >100, Deduct	*-8.24*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	66.81	
		For Galvanized, Add	*26.64*	
		For Stainless Steel, Add	*186.45*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.37*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	79.90	
		For Galvanized, Add	*32.06*	
		For Stainless Steel, Add	*224.39*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	99.31	
		For Galvanized, Add	*40.18*	
		For Stainless Steel, Add	*281.26*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.90*	
		For >100, Deduct	*-7.81*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	121.87	
		For Galvanized, Add	*49.09*	
		For Stainless Steel, Add	*343.63*	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-4.82*	
		For >100, Deduct	*-9.65*	
03 15 19 00-0027		1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*		
03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	81.58	
		For Galvanized, Add	*33.29*	
		For Stainless Steel, Add	*233.03*	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-3.16*	
		For >100, Deduct	*-6.33*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	97.64	
		For Galvanized, Add	*40.08*	
		For Stainless Steel, Add	*280.53*	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.51*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	121.48	
		For Galvanized, Add	*50.24*	
		For Stainless Steel, Add	*351.68*	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-4.61*	
		For >100, Deduct	*-9.22*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	148.95	
		For Galvanized, Add	*61.36*	
		For Stainless Steel, Add	*429.49*	
		For >10 To 50, Deduct	*-1.31*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-11.38*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.04	
		For Galvanized, Add	*41.61*	
		For Stainless Steel, Add	*291.27*	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-3.76*	
		For >100, Deduct	*-7.53*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	119.79	
		For Galvanized, Add	*50.09*	
		For Stainless Steel, Add	*350.60*	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-4.47*	
		For >100, Deduct	*-8.93*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	149.17	
		For Galvanized, Add	*62.81*	
		For Stainless Steel, Add	*439.67*	
		For >10 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-5.50*	
		For >100, Deduct	*-10.99*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	182.82	
		For Galvanized, Add	*76.70*	
		For Stainless Steel, Add	*536.90*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-6.78*	
		For >100, Deduct	*-13.55*	
03 15 19 00-0036		L-Type Anchor Bolts *(03 15 19 00-0001)*		
		See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037		3/4" And 7/8" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.01	
		For Galvanized, Add	*9.21*	
		For Stainless Steel, Add	*64.47*	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.55	
		For Galvanized, Add	*11.38*	
		For Stainless Steel, Add	*79.66*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.42	
		For Galvanized, Add	*13.05*	
		For Stainless Steel, Add	*91.32*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.77*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.47	
		For Galvanized, Add	*13.55*	
		For Stainless Steel, Add	*94.82*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.23*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.70	
		For Galvanized, Add	*14.22*	
		For Stainless Steel, Add	*99.54*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.87*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.63	
		For Galvanized, Add	*11.42*	
		For Stainless Steel, Add	*79.94*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.94	
		For Galvanized, Add	*13.31*	
		For Stainless Steel, Add	*93.14*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.90	
		For Galvanized, Add	*15.26*	
		For Stainless Steel, Add	*106.82*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.40*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.95	
		For Galvanized, Add	*15.85*	
		For Stainless Steel, Add	*110.92*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.04*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.87	
		For Galvanized, Add	*16.65*	
		For Stainless Steel, Add	*116.52*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.99*	
		For >100, Deduct	*-5.98*	
03 15 19 00-0048		1" And 1-1/8" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.63	
		For Galvanized, Add	*14.65*	
		For Stainless Steel, Add	*102.55*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.93*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.32	
		For Galvanized, Add	*16.47*	
		For Stainless Steel, Add	*115.29*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.26*	
		For >100, Deduct	*-4.52*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.10	
		For Galvanized, Add	*18.42*	
		For Stainless Steel, Add	*128.94*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.29*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.34	
		For Galvanized, Add	*19.29*	
		For Stainless Steel, Add	*135.03*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.68*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.98	
		For Galvanized, Add	*20.20*	
		For Stainless Steel, Add	*141.40*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.17*	
		For >100, Deduct	*-6.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.79	
		For Galvanized, Add	*23.41*	
		For Stainless Steel, Add	*163.84*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.14*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	83.56	
		For Galvanized, Add	*27.40*	
		For Stainless Steel, Add	*191.77*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.25*	
		For >100, Deduct	*-8.49*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.91	
		For Galvanized, Add	*19.27*	
		For Stainless Steel, Add	*134.86*	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.80*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.39	
		For Galvanized, Add	*21.57*	
		For Stainless Steel, Add	*150.96*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.61*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.88	
		For Galvanized, Add	*22.56*	
		For Stainless Steel, Add	*157.92*	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.01*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.86	
		For Galvanized, Add	*23.30*	
		For Stainless Steel, Add	*163.10*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.78*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	76.11	
		For Galvanized, Add	*27.27*	
		For Stainless Steel, Add	*190.86*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.04*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.48	
		For Galvanized, Add	*30.89*	
		For Stainless Steel, Add	*216.20*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.82*	
		For >100, Deduct	*-7.63*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	93.72	
		For Galvanized, Add	*34.87*	
		For Stainless Steel, Add	*244.09*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-4.14*	
		For >100, Deduct	*-8.28*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	102.83	
		For Galvanized, Add	*37.93*	
		For Stainless Steel, Add	*265.51*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-4.59*	
		For >100, Deduct	*-9.19*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	112.06	
		For Galvanized, Add	*40.62*	
		For Stainless Steel, Add	*284.31*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.11*	
		For >100, Deduct	*-10.23*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.91	
		For Galvanized, Add	*43.48*	
		For Stainless Steel, Add	*304.33*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-5.77*	
		For >100, Deduct	*-11.54*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.30	
		For Galvanized, Add	*48.07*	
		For Stainless Steel, Add	*336.49*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-6.72*	
		For >100, Deduct	*-13.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.52	
		For Galvanized, Add	*29.13*	
		For Stainless Steel, Add	*203.91*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.37*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	89.76	
		For Galvanized, Add	*34.09*	
		For Stainless Steel, Add	*238.63*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.86*	
		For >100, Deduct	*-7.73*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	99.91	
		For Galvanized, Add	*38.60*	
		For Stainless Steel, Add	*270.20*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-8.40*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	111.15	
		For Galvanized, Add	*43.59*	
		For Stainless Steel, Add	*305.10*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-4.58*	
		For >100, Deduct	*-9.15*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	121.81	
		For Galvanized, Add	*47.42*	
		For Stainless Steel, Add	*331.94*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-5.07*	
		For >100, Deduct	*-10.14*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	132.39	
		For Galvanized, Add	*50.78*	
		For Stainless Steel, Add	*355.46*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.62*	
		For >100, Deduct	*-11.24*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	145.54	
		For Galvanized, Add	*54.79*	
		For Stainless Steel, Add	*383.53*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-6.34*	
		For >100, Deduct	*-12.67*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	163.36	
		For Galvanized, Add	*60.10*	
		For Stainless Steel, Add	*420.70*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-7.32*	
		For >100, Deduct	*-14.64*	
03 15 19 00-0076		1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	100.37	
		For Galvanized, Add	*40.38*	
		For Stainless Steel, Add	*282.63*	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-7.96*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	107.41	
		For Galvanized, Add	*42.35*	
		For Stainless Steel, Add	*296.45*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.39*	
		For >100, Deduct	*-8.78*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.58	
		For Galvanized, Add	*46.60*	
		For Stainless Steel, Add	*326.17*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-9.74*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.79	
		For Galvanized, Add	*50.91*	
		For Stainless Steel, Add	*356.37*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-5.24*	
		For >100, Deduct	*-10.49*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.22	
		For Galvanized, Add	*55.23*	
		For Stainless Steel, Add	*386.58*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-5.64*	
		For >100, Deduct	*-11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.97	
		For Galvanized, Add	*59.39*	
		For Stainless Steel, Add	*415.70*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-6.29*	
		For >100, Deduct	*-12.58*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	167.72	
		For Galvanized, Add	*64.24*	
		For Stainless Steel, Add	*449.68*	
		For >10 To 50, Deduct	*-1.96*	
		For >50 To 100, Deduct	*-7.14*	
		For >100, Deduct	*-14.27*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	190.44	
		For Galvanized, Add	*71.24*	
		For Stainless Steel, Add	*498.68*	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-8.36*	
		For >100, Deduct	*-16.72*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.08	
		For Galvanized, Add	*60.75*	
		For Stainless Steel, Add	*425.25*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-5.20*	
		For >100, Deduct	*-10.39*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	148.12	
		For Galvanized, Add	*62.07*	
		For Stainless Steel, Add	*434.49*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-5.50*	
		For >100, Deduct	*-11.00*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.53	
		For Galvanized, Add	*63.07*	
		For Stainless Steel, Add	*441.49*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-11.39*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	172.66	
		For Galvanized, Add	*72.85*	
		For Stainless Steel, Add	*509.92*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-6.34*	
		For >100, Deduct	*-12.68*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	199.01	
		For Galvanized, Add	*84.09*	
		For Stainless Steel, Add	*588.63*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-7.29*	
		For >100, Deduct	*-14.58*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	206.35	
		For Galvanized, Add	*85.20*	
		For Stainless Steel, Add	*596.37*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-7.86*	
		For >100, Deduct	*-15.71*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	227.16	
		For Galvanized, Add	*92.00*	
		For Stainless Steel, Add	*644.00*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-8.92*	
		For >100, Deduct	*-17.83*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	252.13	
		For Galvanized, Add	*99.09*	
		For Stainless Steel, Add	*693.63*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-10.35*	
		For >100, Deduct	*-20.70*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	210.35	
		For Galvanized, Add	*92.48*	
		For Stainless Steel, Add	*647.36*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-7.16*	
		For >100, Deduct	*-14.33*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	228.73	
		For Galvanized, Add	*99.98*	
		For Stainless Steel, Add	*699.86*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-7.88*	
		For >100, Deduct	*-15.75*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	251.14	
		For Galvanized, Add	*108.97*	
		For Stainless Steel, Add	*762.79*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-8.77*	
		For >100, Deduct	*-17.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	270.06	
		For Galvanized, Add	*115.41*	
		For Stainless Steel, Add	*807.87*	
		For >10 To 50, Deduct	*-1.96*	
		For >50 To 100, Deduct	*-9.69*	
		For >100, Deduct	*-19.39*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	291.19	
		For Galvanized, Add	*124.02*	
		For Stainless Steel, Add	*868.11*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-10.52*	
		For >100, Deduct	*-21.03*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	312.80	
		For Galvanized, Add	*132.42*	
		For Stainless Steel, Add	*926.94*	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-11.42*	
		For >100, Deduct	*-22.83*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	346.10	
		For Galvanized, Add	*142.22*	
		For Stainless Steel, Add	*995.54*	
		For >10 To 50, Deduct	*-3.08*	
		For >50 To 100, Deduct	*-13.28*	
		For >100, Deduct	*-26.55*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	374.36	
		For Galvanized, Add	*156.35*	
		For Stainless Steel, Add	*1,094.45*	
		For >10 To 50, Deduct	*-3.08*	
		For >50 To 100, Deduct	*-13.98*	
		For >100, Deduct	*-27.97*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	419.52	
		For Galvanized, Add	*173.80*	
		For Stainless Steel, Add	*1,216.57*	
		For >10 To 50, Deduct	*-3.60*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-31.77*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	436.31	
		For Galvanized, Add	*205.46*	
		For Stainless Steel, Add	*1,438.22*	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-12.81*	
		For >100, Deduct	*-25.62*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	458.29	
		For Galvanized, Add	*214.76*	
		For Stainless Steel, Add	*1,503.32*	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-13.62*	
		For >100, Deduct	*-27.23*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	499.00	
		For Galvanized, Add	*232.90*	
		For Stainless Steel, Add	*1,630.30*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-14.97*	
		For >100, Deduct	*-29.93*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	530.13	
		For Galvanized, Add	*245.45*	
		For Stainless Steel, Add	*1,718.12*	
		For >10 To 50, Deduct	*-1.96*	
		For >50 To 100, Deduct	*-16.20*	
		For >100, Deduct	*-32.39*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	560.36	
		For Galvanized, Add	*258.60*	
		For Stainless Steel, Add	*1,810.20*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-17.25*	
		For >100, Deduct	*-34.49*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	594.64	
		For Galvanized, Add	*273.34*	
		For Stainless Steel, Add	*1,913.38*	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-18.46*	
		For >100, Deduct	*-36.93*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	638.51	
		For Galvanized, Add	*288.43*	
		For Stainless Steel, Add	*2,018.98*	
		For >10 To 50, Deduct	*-3.08*	
		For >50 To 100, Deduct	*-20.59*	
		For >100, Deduct	*-41.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	492.16	
		For Galvanized, Add	*232.60*	
		For Stainless Steel, Add	*1,628.17*	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-14.33*	
		For >100, Deduct	*-28.65*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	528.44	
		For Galvanized, Add	*248.81*	
		For Stainless Steel, Add	*1,741.64*	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-15.52*	
		For >100, Deduct	*-31.05*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	566.30	
		For Galvanized, Add	*265.17*	
		For Stainless Steel, Add	*1,856.19*	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-16.85*	
		For >100, Deduct	*-38.71*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	602.97	
		For Galvanized, Add	*279.91*	
		For Stainless Steel, Add	*1,959.34*	
		For >10 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-18.31*	
		For >100, Deduct	*-36.62*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	639.98	
		For Galvanized, Add	*296.01*	
		For Stainless Steel, Add	*2,072.07*	
		For >10 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-39.19*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	691.70	
		For Galvanized, Add	*318.88*	
		For Stainless Steel, Add	*2,232.13*	
		For >10 To 50, Deduct	*-2.70*	
		For >50 To 100, Deduct	*-21.34*	
		For >100, Deduct	*-42.68*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	744.75	
		For Galvanized, Add	*336.41*	
		For Stainless Steel, Add	*2,354.87*	
		For >10 To 50, Deduct	*-3.60*	
		For >50 To 100, Deduct	*-24.01*	
		For >100, Deduct	*-48.03*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.45*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.19*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.43	
		For Up To 100, Add	*1.67*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.47*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.72*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.49*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.84*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.57	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.34	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*1.10*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.16	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.11	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.25	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.63*	
		For >200 To 300, Add	*0.81*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.43	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*1.95*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	10.29	
		For Up To 100, Add	*5.09*	
		For >100 To 200, Add	*2.73*	
		For >200 To 300, Add	*1.36*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	17.59	
		For Up To 100, Add	*8.84*	
		For >100 To 200, Add	*4.71*	
		For >200 To 300, Add	*2.35*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.15*	
		For >200 To 400, Add	*0.54*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.32	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.31	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.80*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.50	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.70*	
		For >200 To 300, Add	*0.85*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.74	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	10.73	
		For Up To 100, Add	*5.36*	
		For >100 To 200, Add	*2.86*	
		For >200 To 300, Add	*1.43*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	18.38	
		For Up To 100, Add	*9.32*	
		For >100 To 200, Add	*4.94*	
		For >200 To 300, Add	*2.47*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.14*	
		For >200 To 400, Add	*0.53*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.26	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.43	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.68*	
		For >200 To 300, Add	*0.84*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.66	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*2.02*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	10.62	
		For Up To 100, Add	*5.29*	
		For >100 To 200, Add	*2.83*	
		For >200 To 300, Add	*1.41*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	18.18	
		For Up To 100, Add	*9.20*	
		For >100 To 200, Add	*4.88*	
		For >200 To 300, Add	*2.44*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.47*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.85	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.49*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.14*	
		For >200 To 400, Add	*0.53*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	4.34	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	5.32	
		For Up To 100, Add	*3.05*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	6.49	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.67*	
		For >200 To 300, Add	*0.84*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	7.70	
		For Up To 100, Add	*3.70*	
		For >100 To 200, Add	*2.00*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	10.66	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	18.16	
		For Up To 100, Add	*9.01*	
		For >100 To 200, Add	*4.82*	
		For >200 To 300, Add	*2.41*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	2.79	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	3.61	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.19*	
		For >200 To 400, Add	*0.55*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	4.50	
		For Up To 100, Add	*2.57*	
		For >100 To 200, Add	*1.50*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	5.52	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.86*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	6.74	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.75*	
		For >200 To 300, Add	*0.87*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	8.01	
		For Up To 100, Add	*3.89*	
		For >100 To 200, Add	*2.10*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	11.10	
		For Up To 100, Add	*5.47*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.47*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	18.95	
		For Up To 100, Add	*9.49*	
		For >100 To 200, Add	*5.06*	
		For >200 To 300, Add	*2.53*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.90*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.00	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.58	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.18*	
		For >200 To 400, Add	*0.55*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.46	
		For Up To 100, Add	*2.54*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.69*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.47	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.67	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.73*	
		For >200 To 300, Add	*0.86*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.93	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	10.99	
		For Up To 100, Add	*5.40*	
		For >100 To 200, Add	*2.90*	
		For >200 To 300, Add	*1.45*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	18.75	
		For Up To 100, Add	*9.37*	
		For >100 To 200, Add	*5.00*	
		For >200 To 300, Add	*2.50*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.63	
		For Up To 100, Add	*0.43*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.14*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.65	
		For Up To 100, Add	*0.45*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.10	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.30	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.47*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.39	
		For Up To 100, Add	*1.74*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.11	
		For Up To 100, Add	*1.80*	
		For >100 To 200, Add	*1.04*	
		For >200 To 400, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	4.79	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	5.87	
		For Up To 100, Add	*3.56*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.96*	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.55*	
		For >200 To 300, Add	*0.78*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	7.01	
		For Up To 100, Add	*4.31*	
		For >100 To 200, Add	*2.45*	
		For >200 To 400, Add	*1.17*	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.87*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	9.75	
		For Up To 100, Add	*6.08*	
		For >100 To 200, Add	*3.44*	
		For >200 To 400, Add	*1.64*	
		For Up To 100, Add	*4.93*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	16.73	
		For Up To 100, Add	*10.61*	
		For >100 To 200, Add	*5.96*	
		For >200 To 400, Add	*2.86*	
		For Up To 100, Add	*8.58*	
		For >100 To 200, Add	*4.53*	
		For >200 To 300, Add	*2.27*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.83*	
		For >200 To 400, Add	*0.39*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	3.23	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*1.09*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	4.05	
		For Up To 100, Add	*2.41*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	4.99	
		For Up To 100, Add	*3.01*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.82*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	6.12	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.63*	
		For >200 To 300, Add	*0.81*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	7.32	
		For Up To 100, Add	*3.68*	
		For >100 To 200, Add	*1.96*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	10.19	
		For Up To 100, Add	*5.19*	
		For >100 To 200, Add	*2.75*	
		For >200 To 300, Add	*1.38*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	17.52	
		For Up To 100, Add	*9.06*	
		For >100 To 200, Add	*4.77*	
		For >200 To 300, Add	*2.39*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.20	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*1.08*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.01	
		For Up To 100, Add	*2.38*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.94	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.05	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.60*	
		For >200 To 300, Add	*0.80*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.24	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.08	
		For Up To 100, Add	*5.13*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	17.32	
		For Up To 100, Add	*8.94*	
		For >100 To 200, Add	*4.71*	
		For >200 To 300, Add	*2.36*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.61	
		For Up To 100, Add	*0.42*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.63	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.22	
		For Up To 100, Add	*1.62*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.65	
		For Up To 100, Add	*0.46*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.11	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.03	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*1.02*	
		For >200 To 400, Add	*0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.30*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.68	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.74	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.52*	
		For >200 To 300, Add	*0.76*	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.88	
		For Up To 100, Add	*3.46*	
		For >100 To 200, Add	*1.84*	
		For >200 To 300, Add	*0.92*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	9.56	
		For Up To 100, Add	*4.87*	
		For >100 To 200, Add	*2.58*	
		For >200 To 300, Add	*1.29*	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	16.45	
		For Up To 100, Add	*8.50*	
		For >100 To 200, Add	*4.48*	
		For >200 To 300, Add	*2.24*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.40	
		For Up To 100, Add	*1.80*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*1.07*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.95	
		For Up To 100, Add	*2.38*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.88	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.60*	
		For >200 To 300, Add	*0.80*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.19	
		For Up To 100, Add	*3.64*	
		For >100 To 200, Add	*1.93*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.00	
		For Up To 100, Add	*5.14*	
		For >100 To 200, Add	*2.71*	
		For >200 To 300, Add	*1.36*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	17.24	
		For Up To 100, Add	*8.97*	
		For >100 To 200, Add	*4.72*	
		For >200 To 300, Add	*2.36*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.66	
		For Up To 100, Add	*0.47*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*0.82*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.38	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.12	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*1.06*	
		For >200 To 400, Add	*0.50*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.91	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.83	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.92	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.58*	
		For >200 To 300, Add	*0.79*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.11	
		For Up To 100, Add	*3.59*	
		For >100 To 200, Add	*1.91*	
		For >200 To 300, Add	*0.95*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.89	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	17.04	
		For Up To 100, Add	*8.85*	
		For >100 To 200, Add	*4.66*	
		For >200 To 300, Add	*2.33*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.57	
		For Up To 100, Add	*0.40*	
		For >100 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.98	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.05	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.59	
		For Up To 100, Add	*0.42*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.00	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.10	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.61	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.19	
		For Up To 100, Add	*1.66*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.88	
		For Up To 100, Add	*1.72*	
		For >100 To 200, Add	*0.99*	
		For >200 To 400, Add	*0.47*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.60	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.25*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.47	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.48*	
		For >200 To 300, Add	*0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.59	
		For Up To 100, Add	*3.37*	
		For >100 To 200, Add	*1.78*	
		For >200 To 300, Add	*0.89*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.21	
		For Up To 100, Add	*4.77*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	15.88	
		For Up To 100, Add	*8.33*	
		For >100 To 200, Add	*4.36*	
		For >200 To 300, Add	*2.18*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.00	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*1.04*	
		For >200 To 400, Add	*0.49*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.55*	
		For >200 To 300, Add	*0.78*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.90	
		For Up To 100, Add	*3.56*	
		For >100 To 200, Add	*1.88*	
		For >200 To 300, Add	*0.94*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	9.65	
		For Up To 100, Add	*5.03*	
		For >100 To 200, Add	*2.64*	
		For >200 To 300, Add	*1.32*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	16.67	
		For Up To 100, Add	*8.80*	
		For >100 To 200, Add	*4.60*	
		For >200 To 300, Add	*2.30*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.62	
		For Up To 100, Add	*0.45*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.97	
		For Up To 100, Add	*1.79*	
		For >100 To 200, Add	*1.02*	
		For >200 To 400, Add	*0.48*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.72	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.30*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.62	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.68	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.53*	
		For >200 To 300, Add	*0.77*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.82	
		For Up To 100, Add	*3.51*	
		For >100 To 200, Add	*1.85*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	9.54	
		For Up To 100, Add	*4.97*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	16.47	
		For Up To 100, Add	*8.68*	
		For >100 To 200, Add	*4.54*	
		For >200 To 300, Add	*2.27*	
03 21 11 00-0196		**Walls, Steel Reinforcement Bar** *(03 21 11)*		
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.55	
		For Up To 100, Add	*0.39*	
		For >100 To 200, Add	*0.21*	
		For >200 To 500, Add	*0.08*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.43	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.99	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.57	
		For Up To 100, Add	*0.41*	
		For >100 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.47	
		For Up To 100, Add	*1.10*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.04	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.59	
		For Up To 100, Add	*0.43*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.16*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.13	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*1.69*	
		For >100 To 200, Add	*0.96*	
		For >200 To 400, Add	*0.46*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	3.52	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.23*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	4.37	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.73*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	5.38	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.45*	
		For >200 To 300, Add	*0.73*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	6.46	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.76*	
		For >200 To 300, Add	*0.88*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	9.03	
		For Up To 100, Add	*4.71*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	15.60	
		For Up To 100, Add	*8.24*	
		For >100 To 200, Add	*4.31*	
		For >200 To 300, Add	*2.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.22	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	2.90	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*1.01*	
		For >200 To 400, Add	*0.48*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	3.68	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	4.57	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	5.63	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.53*	
		For >200 To 300, Add	*0.76*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	6.77	
		For Up To 100, Add	*3.52*	
		For >100 To 200, Add	*1.85*	
		For >200 To 300, Add	*0.92*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	9.47	
		For Up To 100, Add	*4.98*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.30*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	16.39	
		For Up To 100, Add	*8.72*	
		For >100 To 200, Add	*4.55*	
		For >200 To 300, Add	*2.27*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.60	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.20	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.87	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*1.00*	
		For >200 To 400, Add	*0.47*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.64	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.28*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.52	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.60*	
		For >200 To 400, Add	*0.76*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.56	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.51*	
		For >200 To 300, Add	*0.75*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.69	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.83*	
		For >200 To 300, Add	*0.91*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	9.36	
		For Up To 100, Add	*4.91*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.29*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	16.19	
		For Up To 100, Add	*8.60*	
		For >100 To 200, Add	*4.49*	
		For >200 To 300, Add	*2.24*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	234.48

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	128.08	

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	2.80	
		For Up To 12" Length, Deduct	*-0.36*	
		For >12" To <24" Length, Deduct	*-0.18*	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	3.36	
		For Up To 12" Length, Deduct	*-0.48*	
		For >12" To <24" Length, Deduct	*-0.24*	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	4.17	
		For Up To 12" Length, Deduct	*-0.75*	
		For >12" To <24" Length, Deduct	*-0.38*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	5.12	
		For Up To 12" Length, Deduct	*-1.08*	
		For >12" To <24" Length, Deduct	*-0.54*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	6.12	
		For Up To 12" Length, Deduct	*-1.51*	
		For >12" To <24" Length, Deduct	*-0.75*	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	7.72	
		For Up To 12" Length, Deduct	*-1.93*	
		For >12" To <24" Length, Deduct	*-0.97*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	9.14	
		For Up To 12" Length, Deduct	*-2.38*	
		For >12" To <24" Length, Deduct	*-1.19*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	11.26	
		For Up To 12" Length, Deduct	*-3.12*	
		For >12" To <24" Length, Deduct	*-1.56*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	13.42	
		For Up To 12" Length, Deduct	*-3.85*	
		For >12" To <24" Length, Deduct	*-1.92*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,614.47	
		For Grade 75, Add	*142.00*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,573.15	
		For Grade 75, Add	*142.00*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,541.66	
		For Grade 75, Add	*142.00*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,490.12	
		For Grade 75, Add	*142.00*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,420.44	
		For Grade 75, Add	*142.00*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,398.10	
		For Grade 75, Add	*145.49*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,339.76	
		For Grade 75, Add	*145.49*	

03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	26.41	
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	27.65	

03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0261)*

03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	61.43	
03 21 11 00-0264	EA	>#6 Reinforcing Steel Lap-Weld Splice	97.94	

03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	33.35	
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	50.94	
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	75.99	

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.47	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.08	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.41*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.16	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.68*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.22	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.86*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.46	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.08*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.96	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.14*	
		For >200 To 300, Add	*1.07*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.54	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.58*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	13.33	
		For Up To 100, Add	*6.92*	
		For >100 To 200, Add	*3.64*	
		For >200 To 300, Add	*1.82*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	22.99	
		For Up To 100, Add	*12.08*	
		For >100 To 200, Add	*6.33*	
		For >200 To 300, Add	*3.16*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.70*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.38	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.89*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.66	
		For Up To 100, Add	*4.14*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.21	
		For Up To 100, Add	*4.18*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.11*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.85	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	13.77	
		For Up To 100, Add	*7.18*	
		For >100 To 200, Add	*3.77*	
		For >200 To 300, Add	*1.89*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	23.78	
		For Up To 100, Add	*12.56*	
		For >100 To 200, Add	*6.56*	
		For >200 To 300, Add	*3.28*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.10*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.30	
		For Up To 100, Add	*1.68*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.21	
		For Up To 100, Add	*2.38*	
		For >100 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.14*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.30	
		For Up To 100, Add	*2.47*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.31	
		For Up To 100, Add	*2.55*	
		For >100 To 200, Add	*1.47*	
		For >200 To 400, Add	*0.69*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.40	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.86*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.67	
		For Up To 100, Add	*4.06*	
		For >100 To 200, Add	*2.32*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.20	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.19*	
		For >200 To 300, Add	*1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.81	
		For Up To 100, Add	*4.97*	
		For >100 To 200, Add	*2.64*	
		For >200 To 300, Add	*1.32*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	13.70	
		For Up To 100, Add	*7.03*	
		For >100 To 200, Add	*3.71*	
		For >200 To 300, Add	*1.86*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	23.56	
		For Up To 100, Add	*12.25*	
		For >100 To 200, Add	*6.44*	
		For >200 To 300, Add	*3.22*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.43	
		For Up To 100, Add	*2.64*	
		For >100 To 200, Add	*1.52*	
		For >200 To 400, Add	*0.72*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.56	
		For Up To 100, Add	*3.37*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.91*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.87	
		For Up To 100, Add	*4.21*	
		For >100 To 200, Add	*2.40*	
		For >200 To 400, Add	*1.14*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.45	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.26*	
		For >200 To 300, Add	*1.13*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.12	
		For Up To 100, Add	*5.15*	
		For >100 To 200, Add	*2.73*	
		For >200 To 300, Add	*1.37*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	14.14	
		For Up To 100, Add	*7.29*	
		For >100 To 200, Add	*3.84*	
		For >200 To 300, Add	*1.92*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	24.35	
		For Up To 100, Add	*12.73*	
		For >100 To 200, Add	*6.68*	
		For >200 To 300, Add	*3.34*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.04	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.90	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.82	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.41	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.15	
		For Up To 100, Add	*1.66*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.99	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.93	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.65*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.95	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.14	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.58	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.12	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	12.79	
		For Up To 100, Add	*6.75*	
		For >100 To 200, Add	*3.53*	
		For >200 To 300, Add	*1.77*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	22.13	
		For Up To 100, Add	*11.82*	
		For >100 To 200, Add	*6.15*	
		For >200 To 300, Add	*3.08*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.08	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.05	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.42*	
		For >200 To 400, Add	*0.68*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.11	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.87*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.34	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.83	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.14*	
		For >200 To 300, Add	*1.07*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.43	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.30*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	13.23	
		For Up To 100, Add	*7.02*	
		For >100 To 200, Add	*3.66*	
		For >200 To 300, Add	*1.83*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	22.92	
		For Up To 100, Add	*12.30*	
		For >100 To 200, Add	*6.39*	
		For >200 To 300, Add	*3.20*	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.98	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.56*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.38	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.09	
		For Up To 100, Add	*1.63*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.85	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.65*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.85	
		For Up To 100, Add	*3.05*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.03	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.45	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.99	
		For Up To 100, Add	*4.72*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	12.60	
		For Up To 100, Add	*6.70*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.75*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	21.85	
		For Up To 100, Add	*11.74*	
		For >100 To 200, Add	*6.10*	
		For >200 To 300, Add	*3.05*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.00	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.97	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.67*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.01	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.86*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.23	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.24*	
		For >200 To 400, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.70	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.11*	
		For >200 To 300, Add	*1.06*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.30	
		For Up To 100, Add	*4.91*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.28*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.04	
		For Up To 100, Add	*6.96*	
		For >100 To 200, Add	*3.62*	
		For >200 To 300, Add	*1.81*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	22.64	
		For Up To 100, Add	*12.21*	
		For >100 To 200, Add	*6.34*	
		For >200 To 300, Add	*3.17*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.49*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.93	
		For Up To 100, Add	*1.53*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.00	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.79	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.63*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.66	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.81*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.82	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.21	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.70	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	12.25	
		For Up To 100, Add	*6.59*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	21.28	
		For Up To 100, Add	*11.57*	
		For >100 To 200, Add	*5.98*	
		For >200 To 300, Add	*2.99*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.88	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.65*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.82	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.74*	
		For >200 To 400, Add	*0.84*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.02	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.46	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.01	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	12.69	
		For Up To 100, Add	*6.86*	
		For >100 To 200, Add	*3.55*	
		For >200 To 300, Add	*1.78*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	22.07	
		For Up To 100, Add	*12.04*	
		For >100 To 200, Add	*6.22*	
		For >200 To 300, Add	*3.11*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.58	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.98*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.21*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.28	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.58*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.60	
		For Up To 100, Add	*2.30*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.62*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.58	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.80*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.72	
		For Up To 100, Add	*3.73*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.09	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*1.97*	
		For >200 To 300, Add	*0.98*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.57	
		For Up To 100, Add	*4.60*	
		For >100 To 200, Add	*2.39*	
		For >200 To 300, Add	*1.19*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	12.07	
		For Up To 100, Add	*6.54*	
		For >100 To 200, Add	*3.39*	
		For >200 To 300, Add	*1.69*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	21.00	
		For Up To 100, Add	*11.48*	
		For >100 To 200, Add	*5.93*	
		For >200 To 300, Add	*2.96*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.72	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.34*	
		For >200 To 400, Add	*0.64*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.92	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.34	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.88	
		For Up To 100, Add	*4.78*	
		For >100 To 200, Add	*2.48*	
		For >200 To 300, Add	*1.24*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	12.51	
		For Up To 100, Add	*6.80*	
		For >100 To 200, Add	*3.52*	
		For >200 To 300, Add	*1.76*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	21.79	
		For Up To 100, Add	*11.96*	
		For >100 To 200, Add	*6.17*	
		For >200 To 300, Add	*3.08*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.41	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.13	
		For Up To 100, Add	*1.56*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.96	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.23	
		For Up To 100, Add	*1.66*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.49*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.66*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.11	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.31	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.77	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.08*	
		For >200 To 300, Add	*1.04*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.31	
		For Up To 100, Add	*4.75*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.00	
		For Up To 100, Add	*6.72*	
		For >100 To 200, Add	*3.54*	
		For >200 To 300, Add	*1.77*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	22.40	
		For Up To 100, Add	*11.73*	
		For >100 To 200, Add	*6.15*	
		For >200 To 300, Add	*3.07*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.19	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.19	
		For Up To 100, Add	*2.52*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.68*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.26	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.87*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.51	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.02	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.16*	
		For >200 To 300, Add	*1.08*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*4.94*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.30*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.44	
		For Up To 100, Add	*6.98*	
		For >100 To 200, Add	*3.67*	
		For >200 To 300, Add	*1.84*	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	23.19	
		For Up To 100, Add	*12.20*	
		For >100 To 200, Add	*6.39*	
		For >200 To 300, Add	*3.19*	
03 21 16 00-0029		**Columns, Epoxy Coated Steel Reinforcement Bar** *(03 21 16)*		
		Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.22	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.09	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.23	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.22	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.67*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.29	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.86*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.52	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.01	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.13*	
		For >200 To 300, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.58	
		For Up To 100, Add	*4.83*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.28*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	13.37	
		For Up To 100, Add	*6.83*	
		For >100 To 200, Add	*3.61*	
		For >200 To 300, Add	*1.81*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	22.97	
		For Up To 100, Add	*11.90*	
		For >100 To 200, Add	*6.26*	
		For >200 To 300, Add	*3.13*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.32	
		For Up To 100, Add	*2.49*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.53*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.34	
		For Up To 100, Add	*2.57*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.70*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.44	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.89*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.72	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.11*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.26	
		For Up To 100, Add	*4.14*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.10*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.89	
		For Up To 100, Add	*5.02*	
		For >100 To 200, Add	*2.66*	
		For >200 To 300, Add	*1.33*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	13.81	
		For Up To 100, Add	*7.09*	
		For >100 To 200, Add	*3.75*	
		For >200 To 300, Add	*1.87*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	23.76	
		For Up To 100, Add	*12.37*	
		For >100 To 200, Add	*6.50*	
		For >200 To 300, Add	*3.25*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.00	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.34	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.04	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.38	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.10	
		For Up To 100, Add	*1.61*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.92	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.84	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.34*	
		For >200 To 400, Add	*0.64*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.84	
		For Up To 100, Add	*3.01*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.39	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.00*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.89	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.43*	
		For >200 To 300, Add	*1.22*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	12.46	
		For Up To 100, Add	*6.56*	
		For >100 To 200, Add	*3.43*	
		For >200 To 300, Add	*1.72*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	21.54	
		For Up To 100, Add	*11.47*	
		For >100 To 200, Add	*5.98*	
		For >200 To 300, Add	*2.99*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.01	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.49*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*2.44*	
		For >100 To 200, Add	*1.38*	
		For >200 To 400, Add	*0.66*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.99	
		For Up To 100, Add	*3.12*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.19	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.06*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.64	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.08*	
		For >200 To 300, Add	*1.04*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.20	
		For Up To 100, Add	*4.81*	
		For >100 To 200, Add	*2.52*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	12.90	
		For Up To 100, Add	*6.82*	
		For >100 To 200, Add	*3.56*	
		For >200 To 300, Add	*1.78*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	22.33	
		For Up To 100, Add	*11.94*	
		For >100 To 200, Add	*6.21*	
		For >200 To 300, Add	*3.11*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.28	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.98	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.35	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.04	
		For Up To 100, Add	*1.58*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.63*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.88	
		For Up To 100, Add	*3.73*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.26	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*1.98*	
		For >200 To 300, Add	*0.99*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.76	
		For Up To 100, Add	*4.58*	
		For >100 To 200, Add	*2.40*	
		For >200 To 300, Add	*1.20*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	12.27	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.39*	
		For >200 To 300, Add	*1.70*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	21.26	
		For Up To 100, Add	*11.39*	
		For >100 To 200, Add	*5.92*	
		For >200 To 300, Add	*2.96*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.93	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.49*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*2.41*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.65*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.74*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.08	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.51	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.07	
		For Up To 100, Add	*4.77*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	12.71	
		For Up To 100, Add	*6.76*	
		For >100 To 200, Add	*3.53*	
		For >200 To 300, Add	*1.76*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	22.05	
		For Up To 100, Add	*11.86*	
		For >100 To 200, Add	*6.16*	
		For >200 To 300, Add	*3.08*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.85	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.58	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.49*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.28	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.72	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.61	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.28*	
		For >200 To 400, Add	*0.61*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.55	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.78*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.67	
		For Up To 100, Add	*3.65*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.98*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.02	
		For Up To 100, Add	*3.69*	
		For >100 To 200, Add	*1.93*	
		For >200 To 300, Add	*0.97*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.47	
		For Up To 100, Add	*4.50*	
		For >100 To 200, Add	*2.35*	
		For >200 To 300, Add	*1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	11.92	
		For Up To 100, Add	*6.39*	
		For >100 To 200, Add	*3.32*	
		For >200 To 300, Add	*1.66*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	20.69	
		For Up To 100, Add	*11.21*	
		For >100 To 200, Add	*5.81*	
		For >200 To 300, Add	*2.90*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.81	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.73	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.64*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.70	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.87	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.27	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.00*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.78	
		For Up To 100, Add	*4.68*	
		For >100 To 200, Add	*2.44*	
		For >200 To 300, Add	*1.22*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	12.36	
		For Up To 100, Add	*6.66*	
		For >100 To 200, Add	*3.46*	
		For >200 To 300, Add	*1.73*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	21.48	
		For Up To 100, Add	*11.69*	
		For >100 To 200, Add	*6.04*	
		For >200 To 300, Add	*3.02*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*0.92*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.52	
		For Up To 100, Add	*2.03*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.58	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.53*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.51	
		For Up To 100, Add	*2.23*	
		For >100 To 200, Add	*1.25*	
		For >200 To 400, Add	*0.60*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.47	
		For Up To 100, Add	*2.88*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.78*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.57	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.97*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	6.90	
		For Up To 100, Add	*3.65*	
		For >100 To 200, Add	*1.91*	
		For >200 To 300, Add	*0.95*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.34	
		For Up To 100, Add	*4.46*	
		For >100 To 200, Add	*2.32*	
		For >200 To 300, Add	*1.16*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	11.74	
		For Up To 100, Add	*6.34*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	20.41	
		For Up To 100, Add	*11.13*	
		For >100 To 200, Add	*5.75*	
		For >200 To 300, Add	*2.88*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.75	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.30*	
		For >200 To 400, Add	*0.63*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.62	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.77	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.15	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*1.98*	
		For >200 To 300, Add	*0.99*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	8.65	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.21*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	12.18	
		For Up To 100, Add	*6.60*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	21.20	
		For Up To 100, Add	*11.60*	
		For >100 To 200, Add	*5.99*	
		For >200 To 300, Add	*2.99*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.62	
		For Up To 12" Length, Deduct	*-0.50*	
		For >12" To <24" Length, Deduct	*-0.25*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.50	
		For Up To 12" Length, Deduct	*-0.76*	
		For >12" To <24" Length, Deduct	*-0.38*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.87	
		For Up To 12" Length, Deduct	*-1.14*	
		For >12" To <24" Length, Deduct	*-0.57*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.56	
		For Up To 12" Length, Deduct	*-1.52*	
		For >12" To <24" Length, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	10.37	
		For Up To 12" Length, Deduct	*-2.06*	
		For >12" To <24" Length, Deduct	*-1.03*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	12.10	
		For Up To 12" Length, Deduct	*-2.54*	
		For >12" To <24" Length, Deduct	*-1.27*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	14.30	
		For Up To 12" Length, Deduct	*-3.07*	
		For >12" To <24" Length, Deduct	*-1.54*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	17.23	
		For Up To 12" Length, Deduct	*-3.72*	
		For >12" To <24" Length, Deduct	*-1.86*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.90	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.03	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.19	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.43	
		For >5 Ton, Deduct	*-0.20*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.09	
		For >5 Ton, Deduct	*-0.16*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.24	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.61	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.90	
		For >5 Ton, Deduct	*-0.25*	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.80	
		For >5 Ton, Deduct	*-0.23*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.03	
		For >5 Ton, Deduct	*-0.15*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.18	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.38	
		For >5 Ton, Deduct	*-0.19*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.70	
		For >5 Ton, Deduct	*-0.22*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.26	
		For >5 Ton, Deduct	*-0.17*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.46	
		For >5 Ton, Deduct	*-0.20*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.95	
		For >5 Ton, Deduct	*-0.25*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.32	
		For >5 Ton, Deduct	*-0.29*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	3.45	
		For >5 Ton, Deduct	*-0.53*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.01	
		For >5 Ton, Deduct	*-0.14*	
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.16	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.36	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.66	
		For >5 Ton, Deduct	*-0.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.24	
		For >5 Ton, Deduct	*-0.17*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.43	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.91	
		For >5 Ton, Deduct	*-0.24*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.27	
		For >5 Ton, Deduct	*-0.29*	

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001 Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 23)*

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.82
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.35

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0048 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	178.02
		For 2,000 PSI Concrete, Deduct	*-7.63*
		For 2,500 PSI Concrete, Deduct	*-3.81*
		For 3,500 PSI Concrete, Add	*7.06*
		For 3,750 PSI Concrete, Add	*9.60*
		For 4,000 PSI Concrete, Add	*12.14*
		For 4,500 PSI Concrete, Add	*14.12*
		For 5,000 PSI Concrete, Add	*16.10*
		For 6,000 PSI Concrete, Add	*38.13*
		For White Cement Concrete, Add	*16.95*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*
		For Lightweight Aggregate, ASTM C330, Add	*49.43*
		For Up To 20, Add	*14.72*
		For >20 To 50, Add	*5.52*
		For >100 To 200, Deduct	*-3.56*
		For >200 To 400, Deduct	*-7.12*
		For >400, Deduct	*-10.68*

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	224.30
		For 2,000 PSI Concrete, Deduct	*-7.63*
		For 2,500 PSI Concrete, Deduct	*-3.81*
		For 3,500 PSI Concrete, Add	*7.06*
		For 3,750 PSI Concrete, Add	*9.60*
		For 4,000 PSI Concrete, Add	*12.14*
		For 4,500 PSI Concrete, Add	*14.12*
		For 5,000 PSI Concrete, Add	*16.10*
		For 6,000 PSI Concrete, Add	*38.13*
		For White Cement Concrete, Add	*16.95*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*
		For Lightweight Aggregate, ASTM C330, Add	*49.43*
		For Up To 20, Add	*33.23*
		For >20 To 50, Add	*12.46*
		For >100 To 200, Deduct	*-4.49*
		For >200 To 400, Deduct	*-8.97*
		For >400, Deduct	*-13.46*
03 30 53 00-0005	CY	Concrete Pump, Place 3,000 PSI Concrete Thrust Blocks Note: Excludes pumping equipment.	221.40
		For 2,000 PSI Concrete, Deduct	*-8.26*
		For 2,500 PSI Concrete, Deduct	*-4.13*
		For 3,500 PSI Concrete, Add	*7.65*
		For 3,750 PSI Concrete, Add	*10.40*
		For 4,000 PSI Concrete, Add	*13.16*
		For 4,500 PSI Concrete, Add	*15.30*
		For 5,000 PSI Concrete, Add	*17.44*
		For 6,000 PSI Concrete, Add	*41.31*
		For White Cement Concrete, Add	*18.36*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*
		For Lightweight Aggregate, ASTM C330, Add	*53.55*

03 30 53 00-0006 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0007	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	167.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0008	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	160.22	
03 30 53 00-0009	CY	Direct Chute, Place One Sack Cement, Concrete Slurry Note: One 94# sack cement per CY.	144.37	
03 30 53 00-0010	CY	Concrete Pump, Place One Sack Cement, Concrete Slurry Note: One 94# sack cement per CY. Excludes pumping equipment.	137.03	

03 30 53 00-0011 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0012	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	18.57	
		For Up To 25 CF, Add	*2.16*	
		For 2,000 PSI Concrete, Deduct	*-0.33*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.30*	
		For 3,750 PSI Concrete, Add	*0.41*	
		For 4,000 PSI Concrete, Add	*0.52*	
		For 4,500 PSI Concrete, Add	*0.60*	
		For 5,000 PSI Concrete, Add	*0.69*	
		For 6,000 PSI Concrete, Add	*1.63*	
		For White Cement Concrete, Add	*0.72*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.79*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.60*	
		For Lightweight Aggregate, ASTM C330, Add	*2.11*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	7.63	
		For 2,000 PSI Concrete, Deduct	*-0.19*	
		For 2,500 PSI Concrete, Deduct	*-0.09*	
		For 3,500 PSI Concrete, Add	*0.07*	
		For 4,000 PSI Concrete, Add	*0.22*	
		For 4,500 PSI Concrete, Add	*0.27*	
		For 5,000 PSI Concrete, Add	*0.31*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*3.21*	
		For >500 To 1,000, Add	*2.19*	
		For >1,000 To 2,000, Add	*1.18*	
		For >2,000 To 5,000, Add	*0.59*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000 To 35,000, Deduct	*-0.36*	
		For >35,000 To 50,000, Deduct	*-0.55*	
		For >50,000 To 70,000, Deduct	*-0.74*	
		For >70,000, Deduct	*-0.93*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.28	
		For 2,000 PSI Concrete, Deduct	*-0.21*	
		For 2,500 PSI Concrete, Deduct	*-0.11*	
		For 3,500 PSI Concrete, Add	*0.07*	
		For 4,000 PSI Concrete, Add	*0.25*	
		For 4,500 PSI Concrete, Add	*0.31*	
		For 5,000 PSI Concrete, Add	*0.35*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*3.41*	
		For >500 To 1,000, Add	*2.34*	
		For >1,000 To 2,000, Add	*1.27*	
		For >2,000 To 5,000, Add	*0.63*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000 To 35,000, Deduct	*-0.40*	
		For >35,000 To 50,000, Deduct	*-0.61*	
		For >50,000 To 70,000, Deduct	*-0.82*	
		For >70,000, Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.24	
		For 2,000 PSI Concrete, Deduct	*-0.25*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.29*	
		For 4,500 PSI Concrete, Add	*0.36*	
		For 5,000 PSI Concrete, Add	*0.41*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*3.72*	
		For >500 To 1,000, Add	*2.56*	
		For >1,000 To 2,000, Add	*1.39*	
		For >2,000 To 5,000, Add	*0.70*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000 To 35,000, Deduct	*-0.46*	
		For >35,000 To 50,000, Deduct	*-0.69*	
		For >50,000 To 70,000, Deduct	*-0.92*	
		For >70,000, Deduct	*-1.15*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.13	
		For 2,000 PSI Concrete, Deduct	*-0.28*	
		For 2,500 PSI Concrete, Deduct	*-0.14*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.33*	
		For 4,500 PSI Concrete, Add	*0.41*	
		For 5,000 PSI Concrete, Add	*0.48*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*3.98*	
		For >500 To 1,000, Add	*2.74*	
		For >1,000 To 2,000, Add	*1.50*	
		For >2,000 To 5,000, Add	*0.75*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000 To 35,000, Deduct	*-0.52*	
		For >35,000 To 50,000, Deduct	*-0.77*	
		For >50,000 To 70,000, Deduct	*-1.02*	
		For >70,000, Deduct	*-1.28*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.88	
		For 2,000 PSI Concrete, Deduct	*-0.31*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.37*	
		For 4,500 PSI Concrete, Add	*0.46*	
		For 5,000 PSI Concrete, Add	*0.53*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*4.21*	
		For >500 To 1,000, Add	*2.90*	
		For >1,000 To 2,000, Add	*1.60*	
		For >2,000 To 5,000, Add	*0.80*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 35,000, Deduct	*-0.56*	
		For >35,000 To 50,000, Deduct	*-0.83*	
		For >50,000 To 70,000, Deduct	*-1.11*	
		For >70,000, Deduct	*-1.38*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.79	
		For 2,000 PSI Concrete, Deduct	*-0.40*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.46*	
		For 4,500 PSI Concrete, Add	*0.58*	
		For 5,000 PSI Concrete, Add	*0.67*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*4.75*	
		For >500 To 1,000, Add	*3.29*	
		For >1,000 To 2,000, Add	*1.83*	
		For >2,000 To 5,000, Add	*0.91*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000 To 35,000, Deduct	*-0.69*	
		For >35,000 To 50,000, Deduct	*-1.01*	
		For >50,000 To 70,000, Deduct	*-1.33*	
		For >70,000, Deduct	*-1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.31	
		For 2,000 PSI Concrete, Deduct	*-0.46*	
		For 2,500 PSI Concrete, Deduct	*-0.23*	
		For 3,500 PSI Concrete, Add	*0.16*	
		For 4,000 PSI Concrete, Add	*0.53*	
		For 4,500 PSI Concrete, Add	*0.67*	
		For 5,000 PSI Concrete, Add	*0.77*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.45*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.66*	
		For Up To 500, Add	*5.21*	
		For >500 To 1,000, Add	*3.61*	
		For >1,000 To 2,000, Add	*2.02*	
		For >2,000 To 5,000, Add	*1.01*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000 To 35,000, Deduct	*-0.78*	
		For >35,000 To 50,000, Deduct	*-1.14*	
		For >50,000 To 70,000, Deduct	*-1.50*	
		For >70,000, Deduct	*-1.85*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*
Note: Includes cleaning out equipment and standard concrete placement tests.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	277.35	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*54.45*	
		For >20 To 50, Add	*20.42*	
		For >100 To 200, Deduct	*-5.55*	
		For >200 To 400, Deduct	*-11.09*	
		For >400, Deduct	*-16.64*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	202.31	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*24.44*	
		For >20 To 50, Add	*9.16*	
		For >100 To 200, Deduct	*-4.05*	
		For >200 To 400, Deduct	*-8.09*	
		For >400, Deduct	*-12.14*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.	211.16	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*23.27*	
		For >20 To 50, Add	*8.73*	
		For >100 To 200, Deduct	*-4.22*	
		For >200 To 400, Deduct	*-8.45*	
		For >400, Deduct	*-12.67*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	262.22	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*48.40*	
		For >20 To 50, Add	*18.15*	
		For >100 To 200, Deduct	*-5.24*	
		For >200 To 400, Deduct	*-10.49*	
		For >400, Deduct	*-15.73*	
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	195.52	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*21.72*	
		For >20 To 50, Add	*8.15*	
		For >100 To 200, Deduct	*-3.91*	
		For >200 To 400, Deduct	*-7.82*	
		For >400, Deduct	*-11.73*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	204.70	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*20.68*	
		For >20 To 50, Add	*7.76*	
		For >100 To 200, Deduct	*-4.09*	
		For >200 To 400, Deduct	*-8.19*	
		For >400, Deduct	*-12.28*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	345.41	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*81.68*	
		For >20 To 50, Add	*30.63*	
		For >100 To 200, Deduct	*-6.91*	
		For >200 To 400, Deduct	*-13.82*	
		For >400, Deduct	*-20.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	232.85	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*36.65*	
		For >20 To 50, Add	*13.74*	
		For >100 To 200, Deduct	*-4.66*	
		For >200 To 400, Deduct	*-9.31*	
		For >400, Deduct	*-13.97*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	240.25	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*34.90*	
		For >20 To 50, Add	*13.09*	
		For >100 To 200, Deduct	*-4.81*	
		For >200 To 400, Deduct	*-9.61*	
		For >400, Deduct	*-14.42*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	177.52	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*14.52*	
		For >20 To 50, Add	*5.45*	
		For >100 To 200, Deduct	*-3.55*	
		For >200 To 400, Deduct	*-7.10*	
		For >400, Deduct	*-10.65*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	157.51	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*6.52*	
		For >20 To 50, Add	*2.44*	
		For >100 To 200, Deduct	*-3.15*	
		For >200 To 400, Deduct	*-6.30*	
		For >400, Deduct	*-9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation	166.57	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*5.43*	
		For >20 To 50, Add	*2.04*	
		For >100 To 200, Deduct	*-3.33*	
		For >200 To 400, Deduct	*-6.66*	
		For >400, Deduct	*-9.99*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	238.02	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*38.72*	
		For >20 To 50, Add	*14.52*	
		For >100 To 200, Deduct	*-4.76*	
		For >200 To 400, Deduct	*-9.52*	
		For >400, Deduct	*-14.28*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	184.65	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*17.37*	
		For >20 To 50, Add	*6.51*	
		For >100 To 200, Deduct	*-3.69*	
		For >200 To 400, Deduct	*-7.39*	
		For >400, Deduct	*-11.08*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams	194.36	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*16.55*	
		For >20 To 50, Add	*6.21*	
		For >100 To 200, Deduct	*-3.89*	
		For >200 To 400, Deduct	*-7.77*	
		For >400, Deduct	*-11.66*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	240.30	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*39.63*	
		For >20 To 50, Add	*14.86*	
		For >100 To 200, Deduct	*-4.81*	
		For >200 To 400, Deduct	*-9.61*	
		For >400, Deduct	*-14.42*	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	216.40	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*30.07*	
		For >20 To 50, Add	*11.28*	
		For >100 To 200, Deduct	*-4.33*	
		For >200 To 400, Deduct	*-8.66*	
		For >400, Deduct	*-12.98*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	185.68	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*17.78*	
		For >20 To 50, Add	*6.67*	
		For >100 To 200, Deduct	*-3.71*	
		For >200 To 400, Deduct	*-7.43*	
		For >400, Deduct	*-11.14*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	174.94	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*13.49*	
		For >20 To 50, Add	*5.06*	
		For >100 To 200, Deduct	*-3.50*	
		For >200 To 400, Deduct	*-7.00*	
		For >400, Deduct	*-10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	190.04	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*14.82*	
		For >20 To 50, Add	*5.56*	
		For >100 To 200, Deduct	*-3.80*	
		For >200 To 400, Deduct	*-7.60*	
		For >400, Deduct	*-11.40*	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	181.10	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*11.24*	
		For >20 To 50, Add	*4.22*	
		For >100 To 200, Deduct	*-3.62*	
		For >200 To 400, Deduct	*-7.24*	
		For >400, Deduct	*-10.87*	

03 31 13 00-0039 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	586.99	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*178.31*	
		For >20 To 50, Add	*66.87*	
		For >100 To 200, Deduct	*-11.74*	
		For >200 To 400, Deduct	*-23.48*	
		For >400, Deduct	*-35.22*	
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	341.29	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*80.03*	
		For >20 To 50, Add	*30.01*	
		For >100 To 200, Deduct	*-6.83*	
		For >200 To 400, Deduct	*-13.65*	
		For >400, Deduct	*-20.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	319.72	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*66.69*	
		For >20 To 50, Add	*25.01*	
		For >100 To 200, Deduct	*-6.39*	
		For >200 To 400, Deduct	*-12.79*	
		For >400, Deduct	*-19.18*	

03 31 13 00-0043 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0044 Place Elevated Concrete Beams *(03 31 13 00-0043)*

03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	383.22	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*96.80*	
		For >20 To 50, Add	*36.30*	
		For >100 To 200, Deduct	*-7.66*	
		For >200 To 400, Deduct	*-15.33*	
		For >400, Deduct	*-22.99*	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	256.41	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*41.37*	
		For >20 To 50, Add	*15.51*	
		For >100 To 200, Deduct	*-5.13*	
		For >200 To 400, Deduct	*-10.26*	
		For >400, Deduct	*-15.38*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	255.16	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*45.58*	
		For >20 To 50, Add	*17.09*	
		For >100 To 200, Deduct	*-5.10*	
		For >200 To 400, Deduct	*-10.21*	
		For >400, Deduct	*-15.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	227.67	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*34.58*	
		For >20 To 50, Add	*12.97*	
		For >100 To 200, Deduct	*-4.55*	
		For >200 To 400, Deduct	*-9.11*	
		For >400, Deduct	*-13.66*	
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	201.69	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*19.48*	
		For >20 To 50, Add	*7.31*	
		For >100 To 200, Deduct	*-4.03*	
		For >200 To 400, Deduct	*-8.07*	
		For >400, Deduct	*-12.10*	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	189.93	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*14.78*	
		For >20 To 50, Add	*5.54*	
		For >100 To 200, Deduct	*-3.80*	
		For >200 To 400, Deduct	*-7.60*	
		For >400, Deduct	*-11.40*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	402.59	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*104.55*	
		For >20 To 50, Add	*39.21*	
		For >100 To 200, Deduct	*-8.05*	
		For >200 To 400, Deduct	*-16.10*	
		For >400, Deduct	*-24.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	331.20	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*75.99*	
		For >20 To 50, Add	*28.50*	
		For >100 To 200, Deduct	*-6.62*	
		For >200 To 400, Deduct	*-13.25*	
		For >400, Deduct	*-19.87*	
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	280.13	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*55.56*	
		For >20 To 50, Add	*20.84*	
		For >100 To 200, Deduct	*-5.60*	
		For >200 To 400, Deduct	*-11.21*	
		For >400, Deduct	*-16.81*	
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	257.39	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*46.47*	
		For >20 To 50, Add	*17.43*	
		For >100 To 200, Deduct	*-5.15*	
		For >200 To 400, Deduct	*-10.30*	
		For >400, Deduct	*-15.44*	
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	264.69	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*44.68*	
		For >20 To 50, Add	*16.76*	
		For >100 To 200, Deduct	*-5.29*	
		For >200 To 400, Deduct	*-10.59*	
		For >400, Deduct	*-15.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	234.18	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*32.48*	
		For >20 To 50, Add	*12.18*	
		For >100 To 200, Deduct	*-4.68*	
		For >200 To 400, Deduct	*-9.37*	
		For >400, Deduct	*-14.05*	
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	212.36	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*23.75*	
		For >20 To 50, Add	*8.91*	
		For >100 To 200, Deduct	*-4.25*	
		For >200 To 400, Deduct	*-8.49*	
		For >400, Deduct	*-12.74*	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	202.63	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*19.86*	
		For >20 To 50, Add	*7.45*	
		For >100 To 200, Deduct	*-4.05*	
		For >200 To 400, Deduct	*-8.11*	
		For >400, Deduct	*-12.16*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	386.25	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*98.01*	
		For >20 To 50, Add	*36.75*	
		For >100 To 200, Deduct	*-7.73*	
		For >200 To 400, Deduct	*-15.45*	
		For >400, Deduct	*-23.18*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	365.93	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*89.88*	
		For >20 To 50, Add	*33.71*	
		For >100 To 200, Deduct	*-7.32*	
		For >200 To 400, Deduct	*-14.64*	
		For >400, Deduct	*-21.96*	
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	312.74	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*68.61*	
		For >20 To 50, Add	*25.73*	
		For >100 To 200, Deduct	*-6.25*	
		For >200 To 400, Deduct	*-12.51*	
		For >400, Deduct	*-18.76*	
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	251.17	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*43.98*	
		For >20 To 50, Add	*16.49*	
		For >100 To 200, Deduct	*-5.02*	
		For >200 To 400, Deduct	*-10.05*	
		For >400, Deduct	*-15.07*	
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	229.18	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*35.18*	
		For >20 To 50, Add	*13.19*	
		For >100 To 200, Deduct	*-4.58*	
		For >200 To 400, Deduct	*-9.17*	
		For >400, Deduct	*-13.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	218.19	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*30.79*	
		For >20 To 50, Add	*11.55*	
		For >100 To 200, Deduct	*-4.36*	
		For >200 To 400, Deduct	*-8.73*	
		For >400, Deduct	*-13.09*	
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	257.70	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*41.88*	
		For >20 To 50, Add	*15.71*	
		For >100 To 200, Deduct	*-5.15*	
		For >200 To 400, Deduct	*-10.31*	
		For >400, Deduct	*-15.46*	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	236.76	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*33.51*	
		For >20 To 50, Add	*12.57*	
		For >100 To 200, Deduct	*-4.74*	
		For >200 To 400, Deduct	*-9.47*	
		For >400, Deduct	*-14.21*	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	226.29	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*29.32*	
		For >20 To 50, Add	*11.00*	
		For >100 To 200, Deduct	*-4.53*	
		For >200 To 400, Deduct	*-9.05*	
		For >400, Deduct	*-13.58*	

03 31 13 00-0071 Place Elevated Concrete Stairs *(03 31 13 00-0043)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	636.58	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*198.14*	
		For >20 To 50, Add	*74.30*	
		For >100 To 200, Deduct	*-12.73*	
		For >200 To 400, Deduct	*-25.46*	
		For >400, Deduct	*-38.19*	
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	363.50	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*88.91*	
		For >20 To 50, Add	*33.34*	
		For >100 To 200, Deduct	*-7.27*	
		For >200 To 400, Deduct	*-14.54*	
		For >400, Deduct	*-21.81*	
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs	338.23	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*74.10*	
		For >20 To 50, Add	*27.79*	
		For >100 To 200, Deduct	*-6.76*	
		For >200 To 400, Deduct	*-13.53*	
		For >400, Deduct	*-20.29*	

03 31 13 00-0075 Place Concrete Coping *(03 31 13 00-0043)*

03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	653.70	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*204.99*	
		For >20 To 50, Add	*76.87*	
		For >100 To 200, Deduct	*-13.07*	
		For >200 To 400, Deduct	*-26.15*	
		For >400, Deduct	*-39.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	362.01	
		For 2,000 PSI Concrete, Deduct	*-7.63*	
		For 2,500 PSI Concrete, Deduct	*-3.81*	
		For 3,500 PSI Concrete, Add	*7.06*	
		For 3,750 PSI Concrete, Add	*9.60*	
		For 4,000 PSI Concrete, Add	*12.14*	
		For 4,500 PSI Concrete, Add	*14.12*	
		For 5,000 PSI Concrete, Add	*16.10*	
		For 6,000 PSI Concrete, Add	*38.13*	
		For White Cement Concrete, Add	*16.95*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.36*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.12*	
		For Lightweight Aggregate, ASTM C330, Add	*49.43*	
		For Up To 20, Add	*88.32*	
		For >20 To 50, Add	*33.12*	
		For >100 To 200, Deduct	*-7.24*	
		For >200 To 400, Deduct	*-14.48*	
		For >400, Deduct	*-21.72*	
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	487.41	
		For 2,000 PSI Concrete, Deduct	*-8.26*	
		For 2,500 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Add	*7.65*	
		For 3,750 PSI Concrete, Add	*10.40*	
		For 4,000 PSI Concrete, Add	*13.16*	
		For 4,500 PSI Concrete, Add	*15.30*	
		For 5,000 PSI Concrete, Add	*17.44*	
		For 6,000 PSI Concrete, Add	*41.31*	
		For White Cement Concrete, Add	*18.36*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*19.89*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.30*	
		For Lightweight Aggregate, ASTM C330, Add	*53.55*	
		For Up To 20, Add	*133.77*	
		For >20 To 50, Add	*50.16*	
		For >100 To 200, Deduct	*-9.75*	
		For >200 To 400, Deduct	*-19.50*	
		For >400, Deduct	*-29.24*	
03 31 13 00-0079		Concrete Carts *(03 31 13 00-0010)* Note: Used to place concrete were necessary.		
03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	27.22	
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	36.45	
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	48.61	
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	12.18	
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	16.33	
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	21.77	
03 31 13 00-0086		Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*		
03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY. Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	26.22	
03 31 13 00-0088		Equipment Pads *(03 31 13)*		
03 31 13 00-0089		Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0088)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0090	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	18.58	
		For >5 To 20 Pads, Deduct	*-2.35*	
		For >20 To 50 Pads, Deduct	*-4.31*	
		For >50 Pads, Deduct	*-6.26*	
03 31 13 00-0091	SF	4" Equipment Pad With Rebar Assembly	23.33	
		For >5 To 20 Pads, Deduct	*-2.71*	
		For >20 To 50 Pads, Deduct	*-4.97*	
		For >50 Pads, Deduct	*-7.23*	
03 31 13 00-0092	SF	6" Equipment Pad With Rebar Assembly	29.21	
		For >5 To 20 Pads, Deduct	*-3.41*	
		For >20 To 50 Pads, Deduct	*-6.25*	
		For >50 Pads, Deduct	*-9.09*	
03 31 13 00-0093	SF	8" Equipment Pad With Rebar Assembly	36.59	
		For >5 To 20 Pads, Deduct	*-4.33*	
		For >20 To 50 Pads, Deduct	*-7.94*	
		For >50 Pads, Deduct	*-11.54*	
03 31 16		**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001		Low Density Cellular / Foam Concrete Fill *(03 31 16)*		
03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	310.81	

03 35 Concrete Finishing *(03 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 35 13 High-Tolerance Concrete Floor Finishing *(03 35)*

03 35 13 00-0001 Floor Finishes *(03 35 13)*

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.03	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.23	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.36	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.34*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.59	
		For Up To 100, Add	*3.18*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.40*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.16*	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.79	
		For Up To 100, Add	*3.58*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.59	
		For Up To 100, Add	*3.18*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.40*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.16*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener	1.23
03 35 16 00-0003	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener	1.84
03 35 16 00-0004	SF	0.3 LB/SF, Non-Metallic, Shake On Floor Hardener	1.17
03 35 16 00-0005	SF	0.65 LB/SF, Non-Metallic, Shake On Floor Hardener	1.38

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.58
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.39
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.40
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.42

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	3.69

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.69

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	15.87

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	34.94
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	46.90

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 33		**Stamped Concrete Finishing** *(03 35)*			
03 35 33 00-0001		Stamped Concrete Finishes *(03 35 33)*			
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish		4.13	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish		3.75	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish		3.58	
03 35 43		**Polished Concrete Finishing** *(03 35)*			
03 35 43 00-0001		Concrete Floor Polishing System *(03 35 43)*			
		Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.			
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels		1.95	
		For Up To 500, Add		*3.71*	
		For >500 To 1,000, Add		*3.44*	
		For >1,000 To 2,500, Add		*2.27*	
		For >2,500 To 4,000, Add		*1.18*	
		For >8,000 To 15,000, Deduct		*-0.46*	
		For >15,000 To 25,000, Deduct		*-0.58*	
		For >25,000, Deduct		*-0.82*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels		1.56	
		For Up To 500, Add		*2.95*	
		For >500 To 1,000, Add		*2.74*	
		For >1,000 To 2,500, Add		*1.81*	
		For >2,500 To 4,000, Add		*0.94*	
		For >8,000 To 15,000, Deduct		*-0.36*	
		For >15,000 To 25,000, Deduct		*-0.46*	
		For >25,000, Deduct		*-0.65*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels		1.31	
		For Up To 500, Add		*2.46*	
		For >500 To 1,000, Add		*2.29*	
		For >1,000 To 2,500, Add		*1.51*	
		For >2,500 To 4,000, Add		*0.79*	
		For >8,000 To 15,000, Deduct		*-0.30*	
		For >15,000 To 25,000, Deduct		*-0.39*	
		For >25,000, Deduct		*-0.55*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels		1.21	
		For Up To 500, Add		*2.27*	
		For >500 To 1,000, Add		*2.11*	
		For >1,000 To 2,500, Add		*1.39*	
		For >2,500 To 4,000, Add		*0.73*	
		For >8,000 To 15,000, Deduct		*-0.28*	
		For >15,000 To 25,000, Deduct		*-0.36*	
		For >25,000, Deduct		*-0.50*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels		1.12	
		For Up To 500, Add		*2.10*	
		For >500 To 1,000, Add		*1.94*	
		For >1,000 To 2,500, Add		*1.29*	
		For >2,500 To 4,000, Add		*0.67*	
		For >8,000 To 15,000, Deduct		*-0.26*	
		For >15,000 To 25,000, Deduct		*-0.33*	
		For >25,000, Deduct		*-0.46*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels		1.12	
		For Up To 500, Add		*2.10*	
		For >500 To 1,000, Add		*1.94*	
		For >1,000 To 2,500, Add		*1.29*	
		For >2,500 To 4,000, Add		*0.67*	
		For >8,000 To 15,000, Deduct		*-0.26*	
		For >15,000 To 25,000, Deduct		*-0.33*	
		For >25,000, Deduct		*-0.46*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels		1.12	
		For Up To 500, Add		*2.10*	
		For >500 To 1,000, Add		*1.94*	
		For >1,000 To 2,500, Add		*1.29*	
		For >2,500 To 4,000, Add		*0.67*	
		For >8,000 To 15,000, Deduct		*-0.26*	
		For >15,000 To 25,000, Deduct		*-0.33*	
		For >25,000, Deduct		*-0.46*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels		1.12	
		For Up To 500, Add		*2.10*	
		For >500 To 1,000, Add		*1.94*	
		For >1,000 To 2,500, Add		*1.29*	
		For >2,500 To 4,000, Add		*0.67*	
		For >8,000 To 15,000, Deduct		*-0.26*	
		For >15,000 To 25,000, Deduct		*-0.33*	
		For >25,000, Deduct		*-0.46*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads		0.28	
		For Up To 500, Add		*0.47*	
		For >500 To 1,000, Add		*0.43*	
		For >1,000 To 2,500, Add		*0.29*	
		For >2,500 To 4,000, Add		*0.15*	
		For >8,000 To 15,000, Deduct		*-0.06*	
		For >15,000 To 25,000, Deduct		*-0.07*	
		For >25,000, Deduct		*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.58	
		For Up To 500, Add	*0.56*	
		For >500 To 1,000, Add	*0.52*	
		For >1,000 To 2,500, Add	*0.35*	
		For >2,500 To 4,000, Add	*0.18*	
		For >8,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 25,000, Deduct	*-0.09*	
		For >25,000, Deduct	*-0.12*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.02	
		For Up To 500, Add	*0.83*	
		For >500 To 1,000, Add	*0.77*	
		For >1,000 To 2,500, Add	*0.51*	
		For >2,500 To 4,000, Add	*0.27*	
		For >8,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 25,000, Deduct	*-0.13*	
		For >25,000, Deduct	*-0.18*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.15	
		For Up To 500, Add	*0.29*	
		For >500 To 1,000, Add	*0.27*	
		For >1,000 To 2,500, Add	*0.18*	
		For >2,500 To 4,000, Add	*0.09*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.06*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.66	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.34	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.92	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.80	
		For Up To 100, Add	*3.44*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.43*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.17*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.70	
		For Up To 100, Add	*5.16*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.65*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.26*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.02	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.06*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	5.50	
		For Up To 100, Add	*10.92*	
		For >100 To 250, Add	*2.73*	
		For >250 To 500, Add	*1.37*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000, Deduct	*-0.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	8.52	
		For Up To 100, Add	*16.88*	
		For >100 To 250, Add	*4.22*	
		For >250 To 500, Add	*2.11*	
		For >5,000 To 10,000, Deduct	*-0.42*	
		For >10,000, Deduct	*-0.84*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.02	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.23*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.09*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.54	
		For Up To 100, Add	*6.88*	
		For >100 To 250, Add	*1.72*	
		For >250 To 500, Add	*0.86*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000, Deduct	*-0.34*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	5.41	
		For Up To 100, Add	*10.62*	
		For >100 To 250, Add	*2.66*	
		For >250 To 500, Add	*1.33*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000, Deduct	*-0.53*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lbs of sand or abrasive media material per SF	5.73	
		For Up To 100, Add	*9.16*	
		For >100 To 250, Add	*2.29*	
		For >250 To 500, Add	*1.15*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.46*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lbs of sand abrasive media material per SF	11.45	
		For Up To 100, Add	*18.32*	
		For >100 To 250, Add	*4.58*	
		For >250 To 500, Add	*2.29*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.92*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.70	
		For Up To 25, Add	*0.70*	
		For >25 To 50, Add	*0.41*	
		For >50 To 150, Add	*0.17*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	6.94	
		For Up To 25, Add	*1.29*	
		For >25 To 50, Add	*0.74*	
		For >50 To 150, Add	*0.30*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	9.82	
		For Up To 25, Add	*1.78*	
		For >25 To 50, Add	*1.02*	
		For >50 To 150, Add	*0.40*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	12.38	
		For Up To 25, Add	*2.20*	
		For >25 To 50, Add	*1.26*	
		For >50 To 150, Add	*0.48*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	16.76	
		For Up To 25, Add	*2.84*	
		For >25 To 50, Add	*1.62*	
		For >50 To 150, Add	*0.58*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.05	
		For Radius Or Irregular Surface, Add	*1.21*	
		For Up To 25, Add	*0.86*	
		For >25 To 50, Add	*0.51*	
		For >50 To 150, Add	*0.23*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.48	
		For Radius Or Irregular Surface, Add	*2.18*	
		For Up To 25, Add	*1.56*	
		For >25 To 50, Add	*0.92*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.39	
		For Radius Or Irregular Surface, Add	*2.94*	
		For Up To 25, Add	*2.14*	
		For >25 To 50, Add	*1.25*	
		For >50 To 150, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.87	
		For Radius Or Irregular Surface, Add	*3.52*	
		For Up To 25, Add	*2.61*	
		For >25 To 50, Add	*1.52*	
		For >50 To 150, Add	*0.66*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.99	
		For Radius Or Irregular Surface, Add	*3.96*	
		For Up To 25, Add	*2.98*	
		For >25 To 50, Add	*1.74*	
		For >50 To 150, Add	*0.74*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.81	
		For Radius Or Irregular Surface, Add	*4.28*	
		For Up To 25, Add	*3.29*	
		For >25 To 50, Add	*1.91*	
		For >50 To 150, Add	*0.80*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	21.00	
		For Radius Or Irregular Surface, Add	*5.14*	
		For Up To 25, Add	*4.03*	
		For >25 To 50, Add	*2.34*	
		For >50 To 150, Add	*0.96*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.62	
		For Radius Or Irregular Surface, Add	*5.78*	
		For Up To 25, Add	*4.63*	
		For >25 To 50, Add	*2.68*	
		For >50 To 150, Add	*1.08*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	27.81	
		For Radius Or Irregular Surface, Add	*6.24*	
		For Up To 25, Add	*5.12*	
		For >25 To 50, Add	*2.95*	
		For >50 To 150, Add	*1.17*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	209.90
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	224.21
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	275.89
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	308.06
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	341.26
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	411.58
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	453.53
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	555.14
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	152.11

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.37

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	33.23

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	309.96
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	39.92

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0002		**Erection Costs For Using A 90 Ton Crawler Crane** *(03 41 16 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	362.43	289.97
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	402.89	322.26
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	427.82	342.23
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	453.54	362.85
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	485.36	388.26
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	518.72	414.98
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	557.02	445.58
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	605.81	484.62
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	658.70	527.02
03 41 16 00-0012		**Material Cost** *(03 41 16 00-0001)* Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	31.64	
		For 3,500 PSI Concrete, Add	*0.63*	
		For 4,000 PSI Concrete, Add	*0.95*	
		For 4,500 PSI Concrete, Add	*1.27*	
		For 5,000 PSI Concrete, Add	*1.90*	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	37.97	
		For 3,500 PSI Concrete, Add	*0.76*	
		For 4,000 PSI Concrete, Add	*1.14*	
		For 4,500 PSI Concrete, Add	*1.52*	
		For 5,000 PSI Concrete, Add	*2.28*	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	46.41	
		For 3,500 PSI Concrete, Add	*0.93*	
		For 4,000 PSI Concrete, Add	*1.39*	
		For 4,500 PSI Concrete, Add	*1.86*	
		For 5,000 PSI Concrete, Add	*2.78*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	61.60	
		For 3,500 PSI Concrete, Add	*1.23*	
		For 4,000 PSI Concrete, Add	*1.85*	
		For 4,500 PSI Concrete, Add	*2.46*	
		For 5,000 PSI Concrete, Add	*3.70*	
03 41 16 00-0017		**Floor Units, Combination Beam And Slab** *(03 41 16)*		
03 41 16 00-0018		**Erection Costs For Using 90 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	444.94	355.94
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	484.96	388.02
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	536.01	428.76
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	595.19	476.12
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	669.05	535.19
03 41 16 00-0024		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	562.88	450.34
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	613.52	490.78
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	678.09	542.51
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	752.95	602.38
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	846.37	677.17
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	920.27	736.16
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,017.14	813.71
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,125.77	900.67
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,274.22	1,019.37
03 41 16 00-0034		**Material Cost** *(03 41 16 00-0017)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035		**4" Slab** *(03 41 16 00-0034)*		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,332.85	
		For 3,500 PSI Concrete, Add	*66.66*	
		For 4,000 PSI Concrete, Add	*99.99*	
		For 4,500 PSI Concrete, Add	*133.31*	
		For 5,000 PSI Concrete, Add	*199.97*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,375.03	
		For 3,500 PSI Concrete, Add	*67.50*	
		For 4,000 PSI Concrete, Add	*101.25*	
		For 4,500 PSI Concrete, Add	*135.00*	
		For 5,000 PSI Concrete, Add	*202.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	3,796.91	
		For 3,500 PSI Concrete, Add	*75.94*	
		For 4,000 PSI Concrete, Add	*113.91*	
		For 4,500 PSI Concrete, Add	*151.88*	
		For 5,000 PSI Concrete, Add	*227.81*	

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,417.22	
		For 3,500 PSI Concrete, Add	*68.34*	
		For 4,000 PSI Concrete, Add	*102.52*	
		For 4,500 PSI Concrete, Add	*136.69*	
		For 5,000 PSI Concrete, Add	*205.03*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,543.79	
		For 3,500 PSI Concrete, Add	*70.88*	
		For 4,000 PSI Concrete, Add	*106.31*	
		For 4,500 PSI Concrete, Add	*141.75*	
		For 5,000 PSI Concrete, Add	*212.63*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,514.11	
		For 3,500 PSI Concrete, Add	*90.28*	
		For 4,000 PSI Concrete, Add	*135.42*	
		For 4,500 PSI Concrete, Add	*180.56*	
		For 5,000 PSI Concrete, Add	*270.85*	

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,543.79	
		For 3,500 PSI Concrete, Add	*70.88*	
		For 4,000 PSI Concrete, Add	*106.31*	
		For 4,500 PSI Concrete, Add	*141.75*	
		For 5,000 PSI Concrete, Add	*212.63*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,218.79	
		For 3,500 PSI Concrete, Add	*84.38*	
		For 4,000 PSI Concrete, Add	*126.56*	
		For 4,500 PSI Concrete, Add	*168.75*	
		For 5,000 PSI Concrete, Add	*253.13*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,146.93	
		For 3,500 PSI Concrete, Add	*102.94*	
		For 4,000 PSI Concrete, Add	*154.41*	
		For 4,500 PSI Concrete, Add	*205.88*	
		For 5,000 PSI Concrete, Add	*308.82*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	357.79	286.26
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	397.73	318.13
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	447.72	358.20
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	479.14	383.29
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	512.08	409.66
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	549.88	439.87
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	598.05	478.41
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	650.26	520.27

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	400.26	320.17
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	444.94	355.94
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	500.87	400.76
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	536.01	428.76
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	572.87	458.29
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	615.16	492.15
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	669.05	535.19
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	727.45	581.91
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	804.02	643.27
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	889.89	711.88
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,007.24	805.83
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,145.73	916.59
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,328.39	1,062.73

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	42.19	
		For 3,500 PSI Concrete, Add	*0.84*	
		For 4,000 PSI Concrete, Add	*1.27*	
		For 4,500 PSI Concrete, Add	*1.69*	
		For 5,000 PSI Concrete, Add	*2.53*	
		For White Facing, Add	*8.44*	
		For Solid White Through Thickness, Add	*8.44*	
		For Broken Rib Finish, Add	*4.22*	
		For Fluted Surface, Add	*4.22*	
		For Exposed Aggregate, Add	*8.44*	
		For Sandblasting Of Surface, Add	*4.22*	
		For 2" Polystyrene Insulation, Add	*2.16*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	51.89	
		For 3,500 PSI Concrete, Add	*1.04*	
		For 4,000 PSI Concrete, Add	*1.56*	
		For 4,500 PSI Concrete, Add	*2.08*	
		For 5,000 PSI Concrete, Add	*3.11*	
		For White Facing, Add	*10.38*	
		For Solid White Through Thickness, Add	*10.38*	
		For Broken Rib Finish, Add	*5.19*	
		For Fluted Surface, Add	*5.19*	
		For Exposed Aggregate, Add	*10.38*	
		For Sandblasting Of Surface, Add	*5.19*	
		For 2" Polystyrene Insulation, Add	*2.16*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	62.44	
		For 3,500 PSI Concrete, Add	*1.25*	
		For 4,000 PSI Concrete, Add	*1.87*	
		For 4,500 PSI Concrete, Add	*2.50*	
		For 5,000 PSI Concrete, Add	*3.75*	
		For White Facing, Add	*12.49*	
		For Solid White Through Thickness, Add	*12.49*	
		For Broken Rib Finish, Add	*6.24*	
		For Fluted Surface, Add	*6.24*	
		For Exposed Aggregate, Add	*12.49*	
		For Sandblasting Of Surface, Add	*6.24*	
		For 2" Polystyrene Insulation, Add	*2.16*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	82.27	
		For 3,500 PSI Concrete, Add	*1.65*	
		For 4,000 PSI Concrete, Add	*2.47*	
		For 4,500 PSI Concrete, Add	*3.29*	
		For 5,000 PSI Concrete, Add	*4.94*	
		For White Facing, Add	*16.45*	
		For Solid White Through Thickness, Add	*16.45*	
		For Broken Rib Finish, Add	*8.23*	
		For Fluted Surface, Add	*8.23*	
		For Exposed Aggregate, Add	*16.45*	
		For Sandblasting Of Surface, Add	*8.23*	
		For 2" Polystyrene Insulation, Add	*2.16*	

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	283.89	227.07
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	315.59	252.50
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	355.25	284.19
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	406.31	325.05
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	436.32	349.09
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	474.54	379.61
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	515.96	412.82
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	570.27	456.24

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	357.79	286.26
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	397.73	318.13
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	447.72	358.20
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	512.08	409.66
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	549.88	439.87
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	598.05	478.41
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	650.26	520.27
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	718.71	574.93
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	795.46	636.39
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	900.36	720.24
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,024.16	819.32
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,187.43	949.91

03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	40.08	
		For 4,000 PSI Concrete, Add	*1.20*	
		For 4,500 PSI Concrete, Add	*1.60*	
		For 5,000 PSI Concrete, Add	*2.40*	
		For White Facing, Add	*8.02*	
		For Solid White Through Thickness, Add	*8.02*	
		For Broken Rib Finish, Add	*4.01*	
		For Fluted Surface, Add	*4.01*	
		For Exposed Aggregate, Add	*8.02*	
		For Sandblasting Of Surface, Add	*4.01*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	49.36	
		For 4,000 PSI Concrete, Add	*1.48*	
		For 4,500 PSI Concrete, Add	*1.97*	
		For 5,000 PSI Concrete, Add	*2.96*	
		For White Facing, Add	*9.87*	
		For Solid White Through Thickness, Add	*9.87*	
		For Broken Rib Finish, Add	*4.94*	
		For Fluted Surface, Add	*4.94*	
		For Exposed Aggregate, Add	*9.87*	
		For Sandblasting Of Surface, Add	*4.94*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	59.06	
		For 4,000 PSI Concrete, Add	*1.77*	
		For 4,500 PSI Concrete, Add	*2.36*	
		For 5,000 PSI Concrete, Add	*3.54*	
		For White Facing, Add	*11.81*	
		For Solid White Through Thickness, Add	*11.81*	
		For Broken Rib Finish, Add	*5.91*	
		For Fluted Surface, Add	*5.91*	
		For Exposed Aggregate, Add	*11.81*	
		For Sandblasting Of Surface, Add	*5.91*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	78.05	
		For 4,000 PSI Concrete, Add	*2.34*	
		For 4,500 PSI Concrete, Add	*3.12*	
		For 5,000 PSI Concrete, Add	*4.68*	
		For White Facing, Add	*15.61*	
		For Solid White Through Thickness, Add	*15.61*	
		For Broken Rib Finish, Add	*7.81*	
		For Fluted Surface, Add	*7.81*	
		For Exposed Aggregate, Add	*15.61*	
		For Sandblasting Of Surface, Add	*7.81*	

03 41 19 00-0058 Cladding Panels *(03 41 19)*

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	377.57	302.00
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	422.34	337.85
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	479.14	383.29
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	512.08	409.66
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	549.88	439.87
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	598.05	478.41
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	650.26	520.27
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	718.71	574.93

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	422.40	337.86
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	472.47	377.97
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	536.01	428.76
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	572.87	458.29
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	615.16	492.15
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	669.05	535.19
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	727.45	581.91
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	804.02	643.27
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	889.89	711.88
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,007.24	805.83
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,145.73	916.59
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,328.39	1,062.73

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	40.08	
		For 3,500 PSI Concrete, Add	*0.80*	
		For 4,000 PSI Concrete, Add	*1.20*	
		For 4,500 PSI Concrete, Add	*1.60*	
		For 5,000 PSI Concrete, Add	*2.40*	
		For White Facing, Add	*8.02*	
		For Solid White Through Thickness, Add	*8.02*	
		For Broken Rib Finish, Add	*4.01*	
		For Fluted Surface, Add	*4.01*	
		For Exposed Aggregate, Add	*8.02*	
		For Sandblasting Of Surface, Add	*4.01*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	49.36	
		For 3,500 PSI Concrete, Add	*0.99*	
		For 4,000 PSI Concrete, Add	*1.48*	
		For 4,500 PSI Concrete, Add	*1.97*	
		For 5,000 PSI Concrete, Add	*2.96*	
		For White Facing, Add	*9.87*	
		For Solid White Through Thickness, Add	*9.87*	
		For Broken Rib Finish, Add	*4.94*	
		For Fluted Surface, Add	*4.94*	
		For Exposed Aggregate, Add	*9.87*	
		For Sandblasting Of Surface, Add	*4.94*	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	59.06	
		For 3,500 PSI Concrete, Add	*1.18*	
		For 4,000 PSI Concrete, Add	*1.77*	
		For 4,500 PSI Concrete, Add	*2.36*	
		For 5,000 PSI Concrete, Add	*3.54*	
		For White Facing, Add	*11.81*	
		For Solid White Through Thickness, Add	*11.81*	
		For Broken Rib Finish, Add	*5.91*	
		For Fluted Surface, Add	*5.91*	
		For Exposed Aggregate, Add	*11.81*	
		For Sandblasting Of Surface, Add	*5.91*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	78.05	
		For 3,500 PSI Concrete, Add	*1.56*	
		For 4,000 PSI Concrete, Add	*2.34*	
		For 4,500 PSI Concrete, Add	*3.12*	
		For 5,000 PSI Concrete, Add	*4.68*	
		For White Facing, Add	*15.61*	
		For Solid White Through Thickness, Add	*15.61*	
		For Broken Rib Finish, Add	*7.81*	
		For Fluted Surface, Add	*7.81*	
		For Exposed Aggregate, Add	*15.61*	
		For Sandblasting Of Surface, Add	*7.81*	

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	377.57	302.00
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	422.34	337.85
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	479.14	383.29
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	512.08	409.66
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	549.88	439.87
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	598.05	478.41
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	650.26	520.27
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	718.71	574.93

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	382.47	305.92
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	427.82	342.23
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	485.36	388.26
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	518.72	414.98
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	557.02	445.58
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	605.81	484.62
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	658.70	527.02
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	728.04	582.40
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	805.79	644.65
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	912.05	729.59
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,037.46	829.96
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,202.85	962.24

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	54.84	
		For 3,500 PSI Concrete, Add	*1.10*	
		For 4,000 PSI Concrete, Add	*1.65*	
		For 4,500 PSI Concrete, Add	*2.19*	
		For 5,000 PSI Concrete, Add	*3.29*	
		For White Facing, Add	*10.97*	
		For Solid White Through Thickness, Add	*10.97*	
		For Broken Rib Finish, Add	*5.48*	
		For Fluted Surface, Add	*5.48*	
		For Exposed Aggregate, Add	*10.97*	
		For Sandblasting Of Surface, Add	*5.48*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	64.55	
		For 3,500 PSI Concrete, Add	*1.29*	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.58*	
		For 5,000 PSI Concrete, Add	*3.87*	
		For White Facing, Add	*12.91*	
		For Solid White Through Thickness, Add	*12.91*	
		For Broken Rib Finish, Add	*6.46*	
		For Fluted Surface, Add	*6.46*	
		For Exposed Aggregate, Add	*12.91*	
		For Sandblasting Of Surface, Add	*6.46*	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	75.09	
		For 3,500 PSI Concrete, Add	*1.50*	
		For 4,000 PSI Concrete, Add	*2.25*	
		For 4,500 PSI Concrete, Add	*3.00*	
		For 5,000 PSI Concrete, Add	*4.51*	
		For White Facing, Add	*15.02*	
		For Solid White Through Thickness, Add	*15.02*	
		For Broken Rib Finish, Add	*7.51*	
		For Fluted Surface, Add	*7.51*	
		For Exposed Aggregate, Add	*15.02*	
		For Sandblasting Of Surface, Add	*7.51*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	94.92	
		For 3,500 PSI Concrete, Add	*1.90*	
		For 4,000 PSI Concrete, Add	*2.85*	
		For 4,500 PSI Concrete, Add	*3.80*	
		For 5,000 PSI Concrete, Add	*5.70*	
		For White Facing, Add	*18.98*	
		For Solid White Through Thickness, Add	*18.98*	
		For Broken Rib Finish, Add	*9.49*	
		For Fluted Surface, Add	*9.49*	
		For Exposed Aggregate, Add	*18.98*	
		For Sandblasting Of Surface, Add	*9.49*	

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	397.73	318.13
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	422.34	337.85
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	447.72	358.20
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	479.14	383.29
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	512.08	409.66
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	549.88	439.87
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	598.05	478.41
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	650.26	520.27

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	397.73	318.13
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	422.34	337.85
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	447.72	358.20
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	479.14	383.29
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	512.08	409.66
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	549.88	439.87
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	598.05	478.41
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	650.26	520.27

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	845.49	
		For 3,500 PSI Concrete, Add	*110.34*	
		For 4,000 PSI Concrete, Add	*207.31*	
		For 4,500 PSI Concrete, Add	*304.71*	
		For 5,000 PSI Concrete, Add	*414.54*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001		**Precast Beams, Girder And Joists** *(03 41 26)*		
03 41 26 00-0002		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	500.87	400.76
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	536.01	428.76
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	572.87	458.29
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	615.16	492.15
03 41 26 00-0007		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	633.62	506.86
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	678.09	542.51
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	724.71	579.77
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	778.21	622.53
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	846.37	677.17
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	920.27	736.16
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,017.14	813.71
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,125.77	900.67
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	169.07	
		For 3,500 PSI Concrete, Add	*4.62*	
		For 4,000 PSI Concrete, Add	*6.93*	
		For 4,500 PSI Concrete, Add	*9.23*	
		For 5,000 PSI Concrete, Add	*13.86*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	211.34	
		For 3,500 PSI Concrete, Add	*5.77*	
		For 4,000 PSI Concrete, Add	*8.66*	
		For 4,500 PSI Concrete, Add	*11.54*	
		For 5,000 PSI Concrete, Add	*17.33*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	253.61	
		For 3,500 PSI Concrete, Add	*6.92*	
		For 4,000 PSI Concrete, Add	*10.40*	
		For 4,500 PSI Concrete, Add	*13.85*	
		For 5,000 PSI Concrete, Add	*20.80*	
03 41 26 00-0021		**3,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	211.34	
		For 3,500 PSI Concrete, Add	*5.77*	
		For 4,000 PSI Concrete, Add	*8.66*	
		For 4,500 PSI Concrete, Add	*11.54*	
		For 5,000 PSI Concrete, Add	*17.33*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	253.61	
		For 3,500 PSI Concrete, Add	*6.92*	
		For 4,000 PSI Concrete, Add	*10.40*	
		For 4,500 PSI Concrete, Add	*13.85*	
		For 5,000 PSI Concrete, Add	*20.80*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	338.15	
		For 3,500 PSI Concrete, Add	*9.23*	
		For 4,000 PSI Concrete, Add	*13.86*	
		For 4,500 PSI Concrete, Add	*18.46*	
		For 5,000 PSI Concrete, Add	*27.73*	
03 41 26 00-0025		**5,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	295.88	
		For 3,500 PSI Concrete, Add	*8.08*	
		For 4,000 PSI Concrete, Add	*12.13*	
		For 4,500 PSI Concrete, Add	*16.16*	
		For 5,000 PSI Concrete, Add	*24.26*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	338.15	
		For 3,500 PSI Concrete, Add	*9.23*	
		For 4,000 PSI Concrete, Add	*13.86*	
		For 4,500 PSI Concrete, Add	*18.46*	
		For 5,000 PSI Concrete, Add	*27.73*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	422.68	
		For 3,500 PSI Concrete, Add	*11.54*	
		For 4,000 PSI Concrete, Add	*17.33*	
		For 4,500 PSI Concrete, Add	*23.08*	
		For 5,000 PSI Concrete, Add	*34.66*	
03 41 26 00-0029		**Precast Concrete Columns** *(03 41 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0030		Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	290.20	232.14
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	308.54	246.79
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	330.66	264.55
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	354.68	283.74
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	382.47	305.92
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	414.98	331.99
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	453.54	362.85
03 41 26 00-0038		Material Cost *(03 41 26 00-0029)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039		12" x 12" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	875.09	
		For 3,500 PSI Concrete, Add	*65.63*	
		For 4,000 PSI Concrete, Add	*123.39*	
		For 4,500 PSI Concrete, Add	*182.02*	
		For 5,000 PSI Concrete, Add	*247.65*	
03 41 26 00-0041		16" x 16" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	896.70	
		For 3,500 PSI Concrete, Add	*67.25*	
		For 4,000 PSI Concrete, Add	*126.43*	
		For 4,500 PSI Concrete, Add	*186.51*	
		For 5,000 PSI Concrete, Add	*253.77*	
03 41 26 00-0043		20" x 20" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	898.43	
		For 3,500 PSI Concrete, Add	*67.38*	
		For 4,000 PSI Concrete, Add	*126.68*	
		For 4,500 PSI Concrete, Add	*186.87*	
		For 5,000 PSI Concrete, Add	*254.26*	
03 41 26 00-0045		24" x 24" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	898.43	
		For 3,500 PSI Concrete, Add	*67.38*	
		For 4,000 PSI Concrete, Add	*126.68*	
		For 4,500 PSI Concrete, Add	*186.87*	
		For 5,000 PSI Concrete, Add	*254.26*	
03 41 26 00-0047		28" x 28" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	898.43	
		For 3,500 PSI Concrete, Add	*67.38*	
		For 4,000 PSI Concrete, Add	*126.68*	
		For 4,500 PSI Concrete, Add	*186.87*	
		For 5,000 PSI Concrete, Add	*254.26*	
03 41 26 00-0049		32" x 32" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	896.70	
		For 3,500 PSI Concrete, Add	*67.25*	
		For 4,000 PSI Concrete, Add	*126.43*	
		For 4,500 PSI Concrete, Add	*186.51*	
		For 5,000 PSI Concrete, Add	*253.77*	
03 41 26 00-0051		36" x 36" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	898.43	
		For 3,500 PSI Concrete, Add	*67.38*	
		For 4,000 PSI Concrete, Add	*126.68*	
		For 4,500 PSI Concrete, Add	*186.87*	
		For 5,000 PSI Concrete, Add	*254.26*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		Slabs, Roof And Floor Members *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	17.92	2.36
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	22.32	2.36
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	26.74	2.48
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	31.16	2.60
03 41 33 00-0006		Tee Members *(03 41 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	40.21	3.07
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	56.99	8.38
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	47.31	5.08
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	56.74	4.37
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	29.09	0.95
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	30.36	0.95
03 41 33 00-0019		Prestressed Double Tee *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	48.36	0.82
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	66.58	0.82
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	33.01	1.41
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	51.12	0.95
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	35.78	1.89
03 41 33 00-0025		Prestressed Single Tee *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	57.24	2.12
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	66.29	1.30
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	87.69	1.18
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	92.34	1.18
03 41 33 00-0030		Prestressed Double Tee Floor Members *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	14,798.04	339.84
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	16,113.42	377.60
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	26,952.25	424.80
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	5,797.34	309.04
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	7,611.44	339.84
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	9,725.15	339.84
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	10,829.15	377.60
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	13,847.27	424.80
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	24,914.69	485.68
03 41 33 00-0040		Prestressed Double Tee Roof Members *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	11,627.48	339.84
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	15,267.93	377.60
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	25,049.91	424.80
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	7,784.22	309.04
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,203.28	339.84
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,091.04	339.84
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	9,349.56	377.60
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	12,367.67	424.80
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	21,321.39	485.68
03 41 33 00-0050		Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	30.74	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	32.00	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	33.49	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	34.61	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	36.98	
03 41 33 00-0056		Double And Single Tees *(03 41 33)*		
03 41 33 00-0057		Double And Single Tees With 16" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	37.15	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	36.27	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	34.25	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	37.15	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	37.03	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	56.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	55.68	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	52.13	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	56.94	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	53.39	
03 41 33 00-0068		Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	38.29	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	37.41	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	36.15	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	38.29	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	37.03	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	58.46	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	57.20	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	55.18	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	58.46	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	56.82	
03 41 33 00-0079		Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	40.38	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	39.10	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	37.83	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	62.06	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	60.02	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	57.62	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001		Precast Concrete Splash Blocks *(03 48 16)*		
03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	40.39	4.37

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001		Installation Cost *(03 48 21)*		
		Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	161.84	72.86
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	194.09	87.31
03 48 21 00-0004		Material Cost *(03 48 21)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,339.77	
		For 3,500 PSI Concrete, Add	*217.92*	
		For 4,000 PSI Concrete, Add	*409.46*	
		For 4,500 PSI Concrete, Add	*601.83*	
		For 5,000 PSI Concrete, Add	*818.74*	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,466.59	
		For 3,500 PSI Concrete, Add	*226.20*	
		For 4,000 PSI Concrete, Add	*425.00*	
		For 4,500 PSI Concrete, Add	*624.68*	
		For 5,000 PSI Concrete, Add	*849.83*	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,593.42	
		For 3,500 PSI Concrete, Add	*234.47*	
		For 4,000 PSI Concrete, Add	*440.55*	
		For 4,500 PSI Concrete, Add	*647.53*	
		For 5,000 PSI Concrete, Add	*880.93*	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,762.52	
		For 3,500 PSI Concrete, Add	*245.50*	
		For 4,000 PSI Concrete, Add	*461.28*	
		For 4,500 PSI Concrete, Add	*678.01*	
		For 5,000 PSI Concrete, Add	*922.38*	

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001		Sun Screen Blades *(03 48 22)*		
03 48 22 00-0002		Installation Cost *(03 48 22 00-0001)*		
		Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	80.91	36.43
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	97.22	43.71
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	121.47	54.70
03 48 22 00-0006		Material Cost *(03 48 22 00-0001)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,551.14	
		For 3,500 PSI Concrete, Add	*231.71*	
		For 4,000 PSI Concrete, Add	*435.37*	
		For 4,500 PSI Concrete, Add	*639.92*	
		For 5,000 PSI Concrete, Add	*870.56*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,677.97	
		For 3,500 PSI Concrete, Add	*239.99*	
		For 4,000 PSI Concrete, Add	*450.92*	
		For 4,500 PSI Concrete, Add	*662.77*	
		For 5,000 PSI Concrete, Add	*901.65*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,847.07	
		For 3,500 PSI Concrete, Add	*251.02*	
		For 4,000 PSI Concrete, Add	*471.65*	
		For 4,500 PSI Concrete, Add	*693.24*	
		For 5,000 PSI Concrete, Add	*943.11*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,016.17	
		For 3,500 PSI Concrete, Add	*262.06*	
		For 4,000 PSI Concrete, Add	*492.38*	
		For 4,500 PSI Concrete, Add	*723.71*	
		For 5,000 PSI Concrete, Add	*984.56*	
03 48 22 00-0011		Sun Screen/Trellis Units *(03 48 22)*		
03 48 22 00-0012		Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	377.57	169.88
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	422.34	190.11
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	479.14	215.59
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	512.08	230.44
03 48 22 00-0017		Material Cost *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,100.73	
		For 3,500 PSI Concrete, Add	*267.57*	
		For 4,000 PSI Concrete, Add	*502.75*	
		For 4,500 PSI Concrete, Add	*738.95*	
		For 5,000 PSI Concrete, Add	*1,005.29*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,227.55	
		For 3,500 PSI Concrete, Add	*275.85*	
		For 4,000 PSI Concrete, Add	*518.30*	
		For 4,500 PSI Concrete, Add	*761.80*	
		For 5,000 PSI Concrete, Add	*1,036.38*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,396.65	
		For 3,500 PSI Concrete, Add	*286.88*	
		For 4,000 PSI Concrete, Add	*539.03*	
		For 4,500 PSI Concrete, Add	*792.28*	
		For 5,000 PSI Concrete, Add	*1,077.84*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	4,608.03	
		For 3,500 PSI Concrete, Add	*300.67*	
		For 4,000 PSI Concrete, Add	*564.94*	
		For 4,500 PSI Concrete, Add	*830.37*	
		For 5,000 PSI Concrete, Add	*1,129.66*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		L - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	367.42	293.94
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	411.73	329.40
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	465.53	372.41
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	496.56	397.24
03 48 24 00-0007		O - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	388.31	310.71
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	435.81	348.60
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	493.57	394.81
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	528.59	422.85
03 48 24 00-0012		Platform Segment *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	744.85	595.93
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	900.36	720.24
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	999.18	799.35
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,122.36	897.93
03 48 24 00-0017		Cap Segment *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	407.63	326.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	455.19	364.09
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	518.57	414.79
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	553.60	442.82
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		L - Shaped Segments *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	372.18	297.75
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	417.07	333.68
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	471.57	377.25
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	503.00	402.40
03 48 24 00-0028		O - Shaped Segment *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	393.35	314.74
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	441.47	353.13
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	499.97	399.94
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	535.46	428.34
03 48 24 00-0033		Platform Segment *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	601.42	481.11
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	728.04	582.40
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	805.79	644.65
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	912.05	729.59
03 48 24 00-0038		Cap Segment *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	412.92	330.30
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	461.09	368.81
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	525.30	420.17
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	560.79	448.56
03 48 24 00-0043		Material Costs *(03 48 24)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,145.56	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,145.56	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,145.56	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,145.56	
03 48 29		**Precast Accessories** *(03 48)*		
		Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		Bearing Pads For Precast Members *(03 48 29)*		
03 48 29 00-0002		Continuous 2" Wide Strips *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.34	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.82	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	2.85	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	3.93	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	5.05	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	7.17	
03 48 29 00-0009		Bearing Pad Pipe Supports *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	84.40	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	54.27	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	10.24	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	536.01	241.24
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	595.19	267.84
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	669.05	301.07

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0005			Material Cost *(03 48 46)*		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006		CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,244.58	
03 48 49			**Precast Landings** *(03 48)*		
03 48 49 00-0001		SF	3" Thick Precast Landing	106.61	
03 48 49 00-0002		SF	4" Thick Precast Landing	124.28	
03 48 49 00-0003		SF	5" Thick Precast Landing	141.24	
03 48 49 00-0004		SF	6" Thick Precast Landing	162.84	
03 48 54			**Precast Concrete Blocks** *(03 48)*		
03 48 54 00-0001			Precast Interlocking Concrete Blocks *(03 48 54)*		
			Note: Includes lifting loop		
03 48 54 00-0002		EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	138.18	46.13
03 48 54 00-0003		EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	166.27	51.88
03 48 54 00-0004		EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	194.35	57.65
03 48 54 00-0005		EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	264.19	63.42
03 48 54 00-0006		EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	316.73	69.18
03 50			**Cast Decks and Underlayment** *(03)*		
03 51			**Cast Roof Decks** *(03 50)*		
03 51 13			**Cementitious Wood Fiber Decks** *(03 51)*		
03 51 13 00-0001			Cement Fiber Tongue And Groove Planks *(03 51 13)*		
03 51 13 00-0002		SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.36	
03 51 13 00-0003		SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.48	
03 51 13 00-0004		SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.65	
03 51 13 00-0005		SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.11	
03 51 13 00-0006		SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.61	
03 51 13 00-0007		SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.20	
03 51 13 00-0008		SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.90	
03 51 16			**Gypsum Concrete Roof Decks** *(03 51)*		
03 51 16 00-0001			Class A Gypsum Fill Concrete Deck *(03 51 16)*		
03 51 16 00-0002		SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	11.73	0.60
03 51 16 00-0003		SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	14.53	0.71
03 51 16 00-0004		SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	17.35	0.81
03 51 16 00-0005		SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	20.20	0.91
03 51 16 00-0006		SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	23.07	1.00
03 51 16 00-0007			Form Board For Lightweight Deck *(03 51 16)*		
03 51 16 00-0008		SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.55	
03 51 16 00-0009		SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.48	
03 51 16 00-0010		SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.45	
03 51 16 00-0011		SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.85	0.61
03 51 16 00-0012		SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.49	0.61
03 51 16 00-0013		SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.93	0.61
03 51 16 00-0014		SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.90	0.61
03 51 16 00-0015			Gypsum Plank *(03 51 16)*		
03 51 16 00-0016		SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	3.61	
03 51 16 00-0017		SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.68	
03 53			**Concrete Topping** *(03 50)*		
			Note: Installed over new or existing concrete.		
03 53 14			**Granolithic Concrete Topping** *(03 53)*		
03 53 14 00-0001			Granolithic Topping Laid After *(03 53 14)*		
			Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002		SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.46	
03 53 14 00-0003		SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.77	
03 53 14 00-0004		SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.91	
03 53 19			**Concrete Overlayment** *(03 53)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 53 19 00-0001		Integral Topping Including Hard Trowel Finish *(03 53 19)* Note: Using 1:1:2 mix.		
03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.64	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.93	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.40	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.01	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.59	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.65	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.16	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001		Self Leveling Cementitious Underlayment For Floors *(03 54 16)* Note: Includes primer.		
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	1.51	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	2.51	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	3.18	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	4.52	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	5.32	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	6.56	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	8.56	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	11.27	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	12.62	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	16.72	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.24*	
		For >100 To 250 SF, Add	*0.12*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001		Cementitious Flowable Grout *(03 61 16)*		
03 61 16 00-0002	CY	Cementitious Flowable Grout	421.23	

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	25.23	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	36.54	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	38.28	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	60.33	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.16	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.80	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.71	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.12	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.12	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.47	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	33.18	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	50.45	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.84	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.32	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.09	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.50	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.15	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.21	
03 63		**Epoxy Grouting** *(03 60)*		
03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)*		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.24	
		For Color, Add	*1.10*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	5.86	
		For Color, Add	*1.65*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.50	
		For Color, Add	*2.20*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	8.98	
		For Color, Add	*2.76*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	10.48	
		For Color, Add	*3.31*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	13.55	
		For Color, Add	*4.42*	
03 64		**Injection Grouting** *(03 60)*		
		Note: By volume of void filled. Includes injection ports.		
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,339.52	
		For >4, Deduct	*-141.43*	
03 64 26		**Cementitious Injection Grouting** *(03 64)*		
03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	236.50	
		For >4, Deduct	*-60.68*	
03 80		**Concrete Cutting and Boring** *(03)*		
03 81		**Concrete Cutting** *(03 80)*		
03 81 13		**Flat Concrete Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0059 for saw cutting.		
03 81 16		**Track Mounted Concrete Wall Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0059 for saw cutting.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0082 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Masonry Repair (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.17	
		For Up To 10, Add	*9.55*	
		For >10 To 50, Add	*4.78*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	30.30	
		For Up To 10, Add	*9.55*	
		For >10 To 50, Add	*4.78*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	40.21	
		For Up To 10, Add	*9.55*	
		For >10 To 50, Add	*4.78*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.15	
		For Up To 10, Add	*9.55*	
		For >10 To 50, Add	*4.78*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	33.81	
		For Up To 10, Add	*9.55*	
		For >10 To 50, Add	*4.78*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	45.48	
		For Up To 10, Add	*9.55*	
		For >10 To 50, Add	*4.78*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.29	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.48	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	182.78	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.29	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.48	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.38	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	79.46	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	182.78	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*			
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		60.12	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		66.24	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		206.30	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		60.12	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		66.24	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		73.08	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		86.05	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		206.30	
		For Up To 10, Add		*38.20*	
		For >10 To 50, Add		*19.10*	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*			
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.			
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*			
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		10.74	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		11.67	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		12.60	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		13.53	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		14.46	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		15.38	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		10.74	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		11.67	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		12.60	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		13.53	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		14.46	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		16.31	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		10.74	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		12.60	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		13.99	
		For Up To 10, Add		*5.73*	
		For >10 To 50, Add		*2.87*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.74	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.67	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.60	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.53	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.46	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.38	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.74	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.67	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.60	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.53	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.46	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.31	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.74	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.60	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.99	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.55	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.89	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.95	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.09	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.33	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.54	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.64	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.77	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.36	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.45	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.16	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.77	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.29	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.11	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.73	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.89	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.67	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.03	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.35	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.64	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.83	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.96	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.17	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.26	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.68	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.28	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.78	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.42	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.84	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.75	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.72	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.45	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.66	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.80	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.90	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.20	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.67	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.85	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.32	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.00	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.41	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.70	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.88	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.32	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.54	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*2.86*	
		For >10 To 50, Add	*1.43*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.08	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.50	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.58	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.75	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.06	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.31	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.44	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.61	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.22	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.33	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.22	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.97	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.63	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.90	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.75	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.44	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.30	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.71	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.11	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.48	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.71	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.87	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.14	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.25	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.74	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.42	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.04	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.83	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.10	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.15	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.87	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.29	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.53	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.69	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.82	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.19	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.79	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.98	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.57	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.89	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.40	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.77	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.00	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.16	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.54	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
		For Metal Stud Clip, Add	*2.37*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.95	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*2.86*	
		For >10 To 50, Add	*1.43*	
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.26	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.30	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.54	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.61	
		For Up To 10, Add	*5.73*	
		For >10 To 50, Add	*2.87*	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	46.94	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	48.24	
		For Up To 10, Add	*38.20*	
		For >10 To 50, Add	*19.10*	
04 01 20 41-0170		Unit Masonry Stabilization *(04 01 20 41)*		
04 01 20 41-0171		Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry	84.78	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry	90.56	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51		**Unit Masonry Maintenance** *(04 01 20)*		
04 01 20 51-0001		Grind Unit Masonry *(04 01 20 51)*		
04 01 20 51-0002	SF	Grind Smooth Masonry Wall	3.99	
04 01 20 91		**Unit Masonry Restoration** *(04 01 20)*		
		See CSI section 03 01 30 71-0108 for crack repair.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0001		Cut And Repoint Masonry *(04 01 20 91)* Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	9.49	
		For Common Bond, Add	*0.36*	
		For Flemish Bond, Add	*1.25*	
		For English Bond, Add	*2.06*	
		For Oversized Or Larger Than Standard, Deduct	*-1.42*	
		For Historical Restoration, Add	*1.79*	
		For >250 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.92*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	6.61	
		For Common Bond, Add	*0.24*	
		For Flemish Bond, Add	*0.85*	
		For English Bond, Add	*1.40*	
		For Oversized Or Larger Than Standard, Deduct	*-0.99*	
		For Historical Restoration, Add	*1.21*	
		For >250 To 1,000, Deduct	*-0.30*	
		For >1,000, Deduct	*-0.63*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	5.08	
		For Common Bond, Add	*0.18*	
		For Oversized Or Larger Than Standard, Deduct	*-0.76*	
		For Historical Restoration, Add	*0.91*	
		For >250 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.48*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	3.64	
		For Common Bond, Add	*0.12*	
		For Oversized Or Larger Than Standard, Deduct	*-0.55*	
		For Historical Restoration, Add	*0.62*	
		For >250 To 1,000, Deduct	*-0.16*	
		For >1,000, Deduct	*-0.34*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	2.90	
04 01 20 91-0007		Repair Masonry *(04 01 20 91)* Note: Includes mortar for repair.		
04 01 20 91-0008	SF	Patch And Repair Terra Cotta Walls Or Coping Note: Including Replacement Of Damaged Material	20.39	
04 01 20 91-0009	SF	Patch And Repair Terra Cotta Floors Note: Including Replacement Of Damaged Material	18.99	
04 01 20 91-0010	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	4.37	
04 01 20 91-0011	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	6.94	
04 01 20 91-0012	EA	Cutout Individual Damaged Brick And Replace With New Brick	14.54	
04 01 20 91-0013	LF	Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base)	336.87	
04 01 20 91-0014	LF	Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base)	96.11	
04 01 20 91-0015	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	36.54	
		For Cracks Accessible From Both Sides, Add	*7.42*	
04 01 20 91-0016	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	32.38	
		For Cracks Accessible From Both Sides, Add	*7.42*	
04 01 20 91-0017	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	8.89	
		For V-Grooving Crack With Grinder, Add	*6.40*	
04 01 20 91-0018	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	11.95	
		For V-Grooving Crack With Grinder, Add	*6.08*	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001		Chimney Cleaning *(04 01 50 52)*		
04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.78	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	15.55	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	23.34	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001		Masonry Cement Mortar *(04 05 13 26)* Note: Ratio is bag material to sand.		
04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	6.54	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	6.03	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	6.19	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	6.78	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	7.15	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0007		Mortar Admixture *(04 05 13 26)*		
04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.35	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.06	
04 05 13 26-0010		Color Admixtures For Mortar *(04 05 13 26)*		
		Note: Costs are based on CF of mortar.		
04 05 13 26-0011	CF	Buff Colored Admixture	2.20	
04 05 13 26-0012	CF	Brown Colored Admixture	2.50	
04 05 13 26-0013	CF	Black Colored Admixture	3.09	
04 05 13 26-0014	CF	Red Colored Admixture	6.77	
04 05 13 26-0015		Portland Cement *(04 05 13 26)*		
04 05 13 26-0016	CF	Normal Portland Cement (Type I)	11.73	
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	5.85	
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III)	6.21	
04 05 13 26-0019	CF	White Non-Staining Portland Cement (Type I)	13.00	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001		Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*		
		Note: Excludes block.		
04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.22	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	4.59	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.10	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	5.68	
04 05 16 26-0006		Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	3.35	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	4.80	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	6.84	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	8.37	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	9.89	
04 05 16 26-0012		Grout Cavity Walls, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	3.86	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	5.43	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	6.81	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	9.19	
04 05 16 26-0017		Grout Frames, Grout Fill *(04 05 16 26)*		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	6.03	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	5.15	
04 05 16 26-0020		Sand Filled Walls *(04 05 16 26)*		
04 05 16 26-0021		Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*		
		Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.32	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	4.58	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	5.63	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	7.50	

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing *(04 05 19 13)*		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	56.43	
		For Hot-Dipped Galvanized, Add	*9.51*	
		For Stainless Steel, Add	*38.02*	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	59.95	
		For Hot-Dipped Galvanized, Add	*9.99*	
		For Stainless Steel, Add	*39.94*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	64.67	
		For Hot-Dipped Galvanized, Add	*10.53*	
		For Stainless Steel, Add	*42.10*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	70.25	
		For Hot-Dipped Galvanized, Add	*11.14*	
		For Stainless Steel, Add	*44.54*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.79	
		For Hot-Dipped Galvanized, Add	*11.74*	
		For Stainless Steel, Add	*46.94*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.63	
		For Hot-Dipped Galvanized, Add	*12.03*	
		For Stainless Steel, Add	*48.10*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.17	
		For Hot-Dipped Galvanized, Add	*12.36*	
		For Stainless Steel, Add	*49.44*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.27	
		For Hot-Dipped Galvanized, Add	*16.99*	
		For Stainless Steel, Add	*67.96*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.66	
		For Hot-Dipped Galvanized, Add	*26.27*	
		For Stainless Steel, Add	*105.06*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	66.98	
		For Hot-Dipped Galvanized, Add	*14.78*	
		For Stainless Steel, Add	*59.10*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	70.61	
		For Hot-Dipped Galvanized, Add	*15.32*	
		For Stainless Steel, Add	*61.26*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.44	
		For Hot-Dipped Galvanized, Add	*15.91*	
		For Stainless Steel, Add	*63.64*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.91	
		For Hot-Dipped Galvanized, Add	*16.47*	
		For Stainless Steel, Add	*65.86*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.42	
		For Hot-Dipped Galvanized, Add	*17.05*	
		For Stainless Steel, Add	*68.20*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.30	
		For Hot-Dipped Galvanized, Add	*17.37*	
		For Stainless Steel, Add	*69.48*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.78	
		For Hot-Dipped Galvanized, Add	*17.66*	
		For Stainless Steel, Add	*70.64*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.28	
		For Hot-Dipped Galvanized, Add	*24.00*	
		For Stainless Steel, Add	*96.00*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.70	
		For Hot-Dipped Galvanized, Add	*38.29*	
		For Stainless Steel, Add	*153.16*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	77.19	
		For Hot-Dipped Galvanized, Add	*19.89*	
		For Stainless Steel, Add	*79.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	82.27	
		For Hot-Dipped Galvanized, Add	*20.98*	
		For Stainless Steel, Add	*83.92*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.32	
		For Hot-Dipped Galvanized, Add	*22.07*	
		For Stainless Steel, Add	*88.28*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.74	
		For Hot-Dipped Galvanized, Add	*23.38*	
		For Stainless Steel, Add	*93.52*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.13	
		For Hot-Dipped Galvanized, Add	*24.68*	
		For Stainless Steel, Add	*98.70*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.33	
		For Hot-Dipped Galvanized, Add	*25.38*	
		For Stainless Steel, Add	*101.50*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.92	
		For Hot-Dipped Galvanized, Add	*25.97*	
		For Stainless Steel, Add	*103.88*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.62	
		For Hot-Dipped Galvanized, Add	*27.17*	
		For Stainless Steel, Add	*108.66*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.39	
		For Hot-Dipped Galvanized, Add	*45.13*	
		For Stainless Steel, Add	*180.52*	
04 05 19 13-0034		Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.71	
		For Hot-Dipped Galvanized, Add	*21.65*	
		For Stainless Steel, Add	*86.58*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.21	
		For Hot-Dipped Galvanized, Add	*22.12*	
		For Stainless Steel, Add	*88.46*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.92	
		For Hot-Dipped Galvanized, Add	*22.66*	
		For Stainless Steel, Add	*90.62*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.51	
		For Hot-Dipped Galvanized, Add	*23.27*	
		For Stainless Steel, Add	*93.06*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.04	
		For Hot-Dipped Galvanized, Add	*23.86*	
		For Stainless Steel, Add	*95.44*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.89	
		For Hot-Dipped Galvanized, Add	*24.16*	
		For Stainless Steel, Add	*96.62*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.42	
		For Hot-Dipped Galvanized, Add	*24.49*	
		For Stainless Steel, Add	*97.94*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.52	
		For Hot-Dipped Galvanized, Add	*29.12*	
		For Stainless Steel, Add	*116.46*	
04 05 19 13-0043		Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.24	
		For Hot-Dipped Galvanized, Add	*26.91*	
		For Stainless Steel, Add	*107.64*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.89	
		For Hot-Dipped Galvanized, Add	*27.46*	
		For Stainless Steel, Add	*109.82*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.71	
		For Hot-Dipped Galvanized, Add	*28.05*	
		For Stainless Steel, Add	*112.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.19	
		For Hot-Dipped Galvanized, Add	*28.61*	
		For Stainless Steel, Add	*114.42*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.69	
		For Hot-Dipped Galvanized, Add	*29.19*	
		For Stainless Steel, Add	*116.74*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.57	
		For Hot-Dipped Galvanized, Add	*29.51*	
		For Stainless Steel, Add	*118.02*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.04	
		For Hot-Dipped Galvanized, Add	*29.80*	
		For Stainless Steel, Add	*119.18*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.55	
		For Hot-Dipped Galvanized, Add	*36.13*	
		For Stainless Steel, Add	*144.52*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.97	
		For Hot-Dipped Galvanized, Add	*50.43*	
		For Stainless Steel, Add	*201.70*	
04 05 19 13-0053		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.45	
		For Hot-Dipped Galvanized, Add	*32.02*	
		For Stainless Steel, Add	*128.06*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.53	
		For Hot-Dipped Galvanized, Add	*33.11*	
		For Stainless Steel, Add	*132.44*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.59	
		For Hot-Dipped Galvanized, Add	*34.21*	
		For Stainless Steel, Add	*136.82*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.00	
		For Hot-Dipped Galvanized, Add	*35.51*	
		For Stainless Steel, Add	*142.04*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.40	
		For Hot-Dipped Galvanized, Add	*36.81*	
		For Stainless Steel, Add	*147.24*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.59	
		For Hot-Dipped Galvanized, Add	*37.51*	
		For Stainless Steel, Add	*150.02*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.18	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.40*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.88	
		For Hot-Dipped Galvanized, Add	*39.30*	
		For Stainless Steel, Add	*157.18*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	182.65	
		For Hot-Dipped Galvanized, Add	*57.26*	
		For Stainless Steel, Add	*229.04*	
04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.97	
		For Hot-Dipped Galvanized, Add	*33.78*	
		For Stainless Steel, Add	*135.10*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.47	
		For Hot-Dipped Galvanized, Add	*34.25*	
		For Stainless Steel, Add	*136.98*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.18	
		For Hot-Dipped Galvanized, Add	*34.79*	
		For Stainless Steel, Add	*139.14*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.77	
		For Hot-Dipped Galvanized, Add	*35.40*	
		For Stainless Steel, Add	*141.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.31	
		For Hot-Dipped Galvanized, Add	*36.00*	
		For Stainless Steel, Add	*143.98*	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.15	
		For Hot-Dipped Galvanized, Add	*36.29*	
		For Stainless Steel, Add	*145.14*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.68	
		For Hot-Dipped Galvanized, Add	*36.62*	
		For Stainless Steel, Add	*146.46*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.79	
		For Hot-Dipped Galvanized, Add	*41.25*	
		For Stainless Steel, Add	*165.00*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	169.18	
		For Hot-Dipped Galvanized, Add	*50.53*	
		For Stainless Steel, Add	*202.10*	
04 05 19 13-0073		**Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)*		
04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.51	
		For Hot-Dipped Galvanized, Add	*39.05*	
		For Stainless Steel, Add	*156.18*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.15	
		For Hot-Dipped Galvanized, Add	*39.59*	
		For Stainless Steel, Add	*158.34*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.97	
		For Hot-Dipped Galvanized, Add	*40.18*	
		For Stainless Steel, Add	*160.72*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.45	
		For Hot-Dipped Galvanized, Add	*40.74*	
		For Stainless Steel, Add	*162.94*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.96	
		For Hot-Dipped Galvanized, Add	*41.32*	
		For Stainless Steel, Add	*165.28*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.83	
		For Hot-Dipped Galvanized, Add	*41.64*	
		For Stainless Steel, Add	*166.54*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.31	
		For Hot-Dipped Galvanized, Add	*41.93*	
		For Stainless Steel, Add	*167.72*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.82	
		For Hot-Dipped Galvanized, Add	*48.27*	
		For Stainless Steel, Add	*193.06*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	193.24	
		For Hot-Dipped Galvanized, Add	*62.56*	
		For Stainless Steel, Add	*250.24*	
04 05 19 13-0083		**Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)*		
04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.71	
		For Hot-Dipped Galvanized, Add	*44.15*	
		For Stainless Steel, Add	*176.58*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.79	
		For Hot-Dipped Galvanized, Add	*45.24*	
		For Stainless Steel, Add	*180.96*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.85	
		For Hot-Dipped Galvanized, Add	*46.34*	
		For Stainless Steel, Add	*185.34*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.26	
		For Hot-Dipped Galvanized, Add	*47.64*	
		For Stainless Steel, Add	*190.56*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.67	
		For Hot-Dipped Galvanized, Add	*48.95*	
		For Stainless Steel, Add	*195.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.85	
		For Hot-Dipped Galvanized, Add	*49.64*	
		For Stainless Steel, Add	*198.54*	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.45	
		For Hot-Dipped Galvanized, Add	*50.24*	
		For Stainless Steel, Add	*200.94*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.14	
		For Hot-Dipped Galvanized, Add	*51.43*	
		For Stainless Steel, Add	*205.70*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	206.92	
		For Hot-Dipped Galvanized, Add	*69.40*	
		For Stainless Steel, Add	*277.58*	
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	80.91	
		For Hot-Dipped Galvanized, Add	*16.16*	
		For Stainless Steel, Add	*64.64*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	89.27	
		For Hot-Dipped Galvanized, Add	*17.65*	
		For Stainless Steel, Add	*70.58*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	97.29	
		For Hot-Dipped Galvanized, Add	*18.96*	
		For Stainless Steel, Add	*75.82*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	104.19	
		For Hot-Dipped Galvanized, Add	*19.71*	
		For Stainless Steel, Add	*78.84*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	108.30	
		For Hot-Dipped Galvanized, Add	*20.41*	
		For Stainless Steel, Add	*81.64*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	116.27	
		For Hot-Dipped Galvanized, Add	*21.97*	
		For Stainless Steel, Add	*87.88*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.15	
		For Hot-Dipped Galvanized, Add	*23.25*	
		For Stainless Steel, Add	*93.00*	
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	94.04	
		For Hot-Dipped Galvanized, Add	*22.73*	
		For Stainless Steel, Add	*90.90*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	102.43	
		For Hot-Dipped Galvanized, Add	*24.23*	
		For Stainless Steel, Add	*96.90*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.30	
		For Hot-Dipped Galvanized, Add	*25.46*	
		For Stainless Steel, Add	*101.84*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	117.35	
		For Hot-Dipped Galvanized, Add	*26.29*	
		For Stainless Steel, Add	*105.16*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	121.43	
		For Hot-Dipped Galvanized, Add	*26.98*	
		For Stainless Steel, Add	*107.90*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	129.40	
		For Hot-Dipped Galvanized, Add	*28.54*	
		For Stainless Steel, Add	*114.14*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	136.46	
		For Hot-Dipped Galvanized, Add	*29.91*	
		For Stainless Steel, Add	*119.62*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0110		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*			
04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		100.42	
		For Hot-Dipped Galvanized, Add		*25.92*	
		For Stainless Steel, Add		*103.66*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		110.32	
		For Hot-Dipped Galvanized, Add		*28.17*	
		For Stainless Steel, Add		*112.68*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		120.15	
		For Hot-Dipped Galvanized, Add		*30.39*	
		For Stainless Steel, Add		*121.54*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		127.89	
		For Hot-Dipped Galvanized, Add		*31.56*	
		For Stainless Steel, Add		*126.24*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		132.76	
		For Hot-Dipped Galvanized, Add		*32.64*	
		For Stainless Steel, Add		*130.56*	
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		142.21	
		For Hot-Dipped Galvanized, Add		*34.94*	
		For Stainless Steel, Add		*139.76*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		151.04	
		For Hot-Dipped Galvanized, Add		*37.20*	
		For Stainless Steel, Add		*148.78*	
04 05 19 13-0118		Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*			
04 05 19 13-0119		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*			
04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		116.26	
		For Hot-Dipped Galvanized, Add		*33.84*	
		For Stainless Steel, Add		*135.34*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		123.71	
		For Hot-Dipped Galvanized, Add		*34.87*	
		For Stainless Steel, Add		*139.46*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		131.21	
		For Hot-Dipped Galvanized, Add		*35.92*	
		For Stainless Steel, Add		*143.66*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		141.64	
		For Hot-Dipped Galvanized, Add		*37.08*	
		For Stainless Steel, Add		*148.32*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		148.82	
		For Hot-Dipped Galvanized, Add		*38.25*	
		For Stainless Steel, Add		*152.98*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		156.69	
		For Hot-Dipped Galvanized, Add		*40.02*	
		For Stainless Steel, Add		*160.08*	
04 05 19 13-0126		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*			
04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		136.84	
		For Hot-Dipped Galvanized, Add		*44.13*	
		For Stainless Steel, Add		*176.50*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		144.33	
		For Hot-Dipped Galvanized, Add		*45.18*	
		For Stainless Steel, Add		*180.70*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		152.09	
		For Hot-Dipped Galvanized, Add		*46.36*	
		For Stainless Steel, Add		*185.42*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		162.25	
		For Hot-Dipped Galvanized, Add		*47.39*	
		For Stainless Steel, Add		*189.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	169.46	
		For Hot-Dipped Galvanized, Add	*48.57*	
		For Stainless Steel, Add	*194.26*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.14	
		For Hot-Dipped Galvanized, Add	*49.75*	
		For Stainless Steel, Add	*198.98*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	138.36	
		For Hot-Dipped Galvanized, Add	*44.89*	
		For Stainless Steel, Add	*179.54*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.98	
		For Hot-Dipped Galvanized, Add	*46.50*	
		For Stainless Steel, Add	*186.00*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	155.58	
		For Hot-Dipped Galvanized, Add	*48.10*	
		For Stainless Steel, Add	*192.40*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.55	
		For Hot-Dipped Galvanized, Add	*50.04*	
		For Stainless Steel, Add	*200.14*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.25	
		For Hot-Dipped Galvanized, Add	*51.96*	
		For Stainless Steel, Add	*207.84*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	184.38	
		For Hot-Dipped Galvanized, Add	*53.87*	
		For Stainless Steel, Add	*215.46*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	125.49	
		For Hot-Dipped Galvanized, Add	*35.76*	
		For Stainless Steel, Add	*143.02*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	132.93	
		For Hot-Dipped Galvanized, Add	*36.78*	
		For Stainless Steel, Add	*147.10*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	143.07	
		For Hot-Dipped Galvanized, Add	*37.80*	
		For Stainless Steel, Add	*151.18*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	150.33	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*156.00*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.98	
		For Hot-Dipped Galvanized, Add	*40.17*	
		For Stainless Steel, Add	*160.66*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	164.67	
		For Hot-Dipped Galvanized, Add	*42.51*	
		For Stainless Steel, Add	*170.04*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	146.10	
		For Hot-Dipped Galvanized, Add	*46.06*	
		For Stainless Steel, Add	*184.24*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	153.57	
		For Hot-Dipped Galvanized, Add	*47.10*	
		For Stainless Steel, Add	*188.38*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	164.00	
		For Hot-Dipped Galvanized, Add	*48.26*	
		For Stainless Steel, Add	*193.04*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0152		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	170.92	
			For Hot-Dipped Galvanized, Add	*49.30*	
			For Stainless Steel, Add	*197.18*	
04 05 19 13-0153		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	177.60	
			For Hot-Dipped Galvanized, Add	*50.48*	
			For Stainless Steel, Add	*201.90*	
04 05 19 13-0154		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.55	
			For Hot-Dipped Galvanized, Add	*52.95*	
			For Stainless Steel, Add	*211.80*	
04 05 19 13-0155			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*		
04 05 19 13-0156		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	147.56	
			For Hot-Dipped Galvanized, Add	*46.79*	
			For Stainless Steel, Add	*187.16*	
04 05 19 13-0157		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.19	
			For Hot-Dipped Galvanized, Add	*48.41*	
			For Stainless Steel, Add	*193.62*	
04 05 19 13-0158		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.55	
			For Hot-Dipped Galvanized, Add	*50.04*	
			For Stainless Steel, Add	*200.14*	
04 05 19 13-0159		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.25	
			For Hot-Dipped Galvanized, Add	*51.96*	
			For Stainless Steel, Add	*207.84*	
04 05 19 13-0160		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	184.38	
			For Hot-Dipped Galvanized, Add	*53.87*	
			For Stainless Steel, Add	*215.46*	
04 05 19 13-0161		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.85	
			For Hot-Dipped Galvanized, Add	*56.60*	
			For Stainless Steel, Add	*226.40*	
04 05 19 13-0162			Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0163			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*		
04 05 19 13-0164		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	118.71	
			For Hot-Dipped Galvanized, Add	*32.37*	
			For Stainless Steel, Add	*129.46*	
			For Seismic Hook And Eye, Add	*13.92*	
04 05 19 13-0165		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	125.79	
			For Hot-Dipped Galvanized, Add	*33.21*	
			For Stainless Steel, Add	*132.82*	
			For Seismic Hook And Eye, Add	*14.28*	
04 05 19 13-0166		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	135.70	
			For Hot-Dipped Galvanized, Add	*34.11*	
			For Stainless Steel, Add	*136.44*	
			For Seismic Hook And Eye, Add	*14.67*	
04 05 19 13-0167		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	142.47	
			For Hot-Dipped Galvanized, Add	*35.07*	
			For Stainless Steel, Add	*140.28*	
			For Seismic Hook And Eye, Add	*15.08*	
04 05 19 13-0168		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	148.80	
			For Hot-Dipped Galvanized, Add	*36.08*	
			For Stainless Steel, Add	*144.30*	
			For Seismic Hook And Eye, Add	*15.51*	
04 05 19 13-0169		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	153.61	
			For Hot-Dipped Galvanized, Add	*36.98*	
			For Stainless Steel, Add	*147.92*	
			For Seismic Hook And Eye, Add	*15.90*	
04 05 19 13-0170			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	138.04	
		For Hot-Dipped Galvanized, Add	*42.03*	
		For Stainless Steel, Add	*168.12*	
		For Seismic Hook And Eye, Add	*18.07*	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	144.75	
		For Hot-Dipped Galvanized, Add	*42.69*	
		For Stainless Steel, Add	*170.74*	
		For Seismic Hook And Eye, Add	*18.35*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	154.71	
		For Hot-Dipped Galvanized, Add	*43.62*	
		For Stainless Steel, Add	*174.46*	
		For Seismic Hook And Eye, Add	*18.75*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	161.37	
		For Hot-Dipped Galvanized, Add	*44.52*	
		For Stainless Steel, Add	*178.08*	
		For Seismic Hook And Eye, Add	*19.14*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	167.49	
		For Hot-Dipped Galvanized, Add	*45.42*	
		For Stainless Steel, Add	*181.68*	
		For Seismic Hook And Eye, Add	*19.53*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	174.40	
		For Hot-Dipped Galvanized, Add	*47.38*	
		For Stainless Steel, Add	*189.50*	
		For Seismic Hook And Eye, Add	*20.37*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	139.47	
		For Hot-Dipped Galvanized, Add	*42.75*	
		For Stainless Steel, Add	*170.98*	
		For Seismic Hook And Eye, Add	*18.38*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	147.95	
		For Hot-Dipped Galvanized, Add	*44.29*	
		For Stainless Steel, Add	*177.14*	
		For Seismic Hook And Eye, Add	*19.04*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	159.11	
		For Hot-Dipped Galvanized, Add	*45.82*	
		For Stainless Steel, Add	*183.26*	
		For Seismic Hook And Eye, Add	*19.70*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	167.63	
		For Hot-Dipped Galvanized, Add	*47.65*	
		For Stainless Steel, Add	*190.60*	
		For Seismic Hook And Eye, Add	*20.49*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.62	
		For Hot-Dipped Galvanized, Add	*49.49*	
		For Stainless Steel, Add	*197.94*	
		For Seismic Hook And Eye, Add	*21.28*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.26	
		For Hot-Dipped Galvanized, Add	*51.31*	
		For Stainless Steel, Add	*205.22*	
		For Seismic Hook And Eye, Add	*22.06*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	127.95	
		For Hot-Dipped Galvanized, Add	*34.29*	
		For Stainless Steel, Add	*137.14*	
		For Seismic Hook And Eye, Add	*14.74*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	137.71	
		For Hot-Dipped Galvanized, Add	*35.12*	
		For Stainless Steel, Add	*140.46*	
		For Seismic Hook And Eye, Add	*15.10*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0188		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	144.22	
			For Hot-Dipped Galvanized, Add	*35.95*	
			For Stainless Steel, Add	*143.78*	
			For Seismic Hook And Eye, Add	*15.46*	
04 05 19 13-0189		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	150.66	
			For Hot-Dipped Galvanized, Add	*37.01*	
			For Stainless Steel, Add	*148.02*	
			For Seismic Hook And Eye, Add	*15.91*	
04 05 19 13-0190		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	155.59	
			For Hot-Dipped Galvanized, Add	*37.97*	
			For Stainless Steel, Add	*151.88*	
			For Seismic Hook And Eye, Add	*16.33*	
04 05 19 13-0191			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0192		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	146.58	
			For Hot-Dipped Galvanized, Add	*43.60*	
			For Stainless Steel, Add	*174.40*	
			For Seismic Hook And Eye, Add	*18.75*	
04 05 19 13-0193		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	156.49	
			For Hot-Dipped Galvanized, Add	*44.51*	
			For Stainless Steel, Add	*178.02*	
			For Seismic Hook And Eye, Add	*19.14*	
04 05 19 13-0194		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	163.26	
			For Hot-Dipped Galvanized, Add	*45.47*	
			For Stainless Steel, Add	*181.86*	
			For Seismic Hook And Eye, Add	*19.55*	
04 05 19 13-0195		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	169.12	
			For Hot-Dipped Galvanized, Add	*46.24*	
			For Stainless Steel, Add	*184.94*	
			For Seismic Hook And Eye, Add	*19.88*	
04 05 19 13-0196		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.22	
			For Hot-Dipped Galvanized, Add	*47.29*	
			For Stainless Steel, Add	*189.14*	
			For Seismic Hook And Eye, Add	*20.33*	
04 05 19 13-0197			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0198		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	148.51	
			For Hot-Dipped Galvanized, Add	*44.57*	
			For Stainless Steel, Add	*178.26*	
			For Seismic Hook And Eye, Add	*19.16*	
04 05 19 13-0199		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	159.69	
			For Hot-Dipped Galvanized, Add	*46.11*	
			For Stainless Steel, Add	*184.42*	
			For Seismic Hook And Eye, Add	*19.83*	
04 05 19 13-0200		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	167.63	
			For Hot-Dipped Galvanized, Add	*47.65*	
			For Stainless Steel, Add	*190.60*	
			For Seismic Hook And Eye, Add	*20.49*	
04 05 19 13-0201		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	175.62	
			For Hot-Dipped Galvanized, Add	*49.49*	
			For Stainless Steel, Add	*197.94*	
			For Seismic Hook And Eye, Add	*21.28*	
04 05 19 13-0202		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	182.26	
			For Hot-Dipped Galvanized, Add	*51.31*	
			For Stainless Steel, Add	*205.22*	
			For Seismic Hook And Eye, Add	*22.06*	
04 05 19 13-0203			Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0204			Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0205			Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0206		CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	64.38	
			For Hot-Dipped Galvanized, Add	*13.48*	
			For Stainless Steel, Add	*53.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	67.23	
		For Hot-Dipped Galvanized, Add	*13.63*	
		For Stainless Steel, Add	*54.50*	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.95	
		For Hot-Dipped Galvanized, Add	*14.17*	
		For Stainless Steel, Add	*56.66*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	77.71	
		For Hot-Dipped Galvanized, Add	*14.87*	
		For Stainless Steel, Add	*59.46*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	84.62	
		For Hot-Dipped Galvanized, Add	*15.65*	
		For Stainless Steel, Add	*62.60*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	89.72	
		For Hot-Dipped Galvanized, Add	*16.07*	
		For Stainless Steel, Add	*64.28*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.35	
		For Hot-Dipped Galvanized, Add	*16.69*	
		For Stainless Steel, Add	*66.74*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.16	
		For Hot-Dipped Galvanized, Add	*23.44*	
		For Stainless Steel, Add	*93.76*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.68	
		For Hot-Dipped Galvanized, Add	*24.78*	
		For Stainless Steel, Add	*99.12*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.65	
		For Hot-Dipped Galvanized, Add	*42.86*	
		For Stainless Steel, Add	*171.44*	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	74.82	
		For Hot-Dipped Galvanized, Add	*18.70*	
		For Stainless Steel, Add	*74.78*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	77.89	
		For Hot-Dipped Galvanized, Add	*18.96*	
		For Stainless Steel, Add	*75.82*	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.61	
		For Hot-Dipped Galvanized, Add	*19.50*	
		For Stainless Steel, Add	*77.98*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.34	
		For Hot-Dipped Galvanized, Add	*20.18*	
		For Stainless Steel, Add	*80.72*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.10	
		For Hot-Dipped Galvanized, Add	*20.89*	
		For Stainless Steel, Add	*83.56*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.33	
		For Hot-Dipped Galvanized, Add	*21.39*	
		For Stainless Steel, Add	*85.54*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.80	
		For Hot-Dipped Galvanized, Add	*21.91*	
		For Stainless Steel, Add	*87.64*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.19	
		For Hot-Dipped Galvanized, Add	*30.46*	
		For Stainless Steel, Add	*121.82*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.71	
		For Hot-Dipped Galvanized, Add	*31.80*	
		For Stainless Steel, Add	*127.18*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	188.25	
		For Hot-Dipped Galvanized, Add	*60.07*	
		For Stainless Steel, Add	*240.26*	
04 05 19 13-0227		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		90.76	
		For Hot-Dipped Galvanized, Add		*26.67*	
		For Stainless Steel, Add		*106.68*	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		94.32	
		For Hot-Dipped Galvanized, Add		*27.01*	
		For Stainless Steel, Add		*108.02*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		99.17	
		For Hot-Dipped Galvanized, Add		*28.00*	
		For Stainless Steel, Add		*111.98*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		106.68	
		For Hot-Dipped Galvanized, Add		*29.35*	
		For Stainless Steel, Add		*117.40*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		114.86	
		For Hot-Dipped Galvanized, Add		*31.04*	
		For Stainless Steel, Add		*124.16*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		121.20	
		For Hot-Dipped Galvanized, Add		*31.81*	
		For Stainless Steel, Add		*127.24*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		125.90	
		For Hot-Dipped Galvanized, Add		*32.96*	
		For Stainless Steel, Add		*131.84*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		156.82	
		For Hot-Dipped Galvanized, Add		*46.27*	
		For Stainless Steel, Add		*185.06*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		165.90	
		For Hot-Dipped Galvanized, Add		*48.89*	
		For Stainless Steel, Add		*195.54*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		241.98	
		For Hot-Dipped Galvanized, Add		*84.53*	
		For Stainless Steel, Add		*338.10*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		80.71	
		For Hot-Dipped Galvanized, Add		*21.65*	
		For Stainless Steel, Add		*86.58*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		84.21	
		For Hot-Dipped Galvanized, Add		*22.12*	
		For Stainless Steel, Add		*88.46*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		88.92	
		For Hot-Dipped Galvanized, Add		*22.66*	
		For Stainless Steel, Add		*90.62*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		94.51	
		For Hot-Dipped Galvanized, Add		*23.27*	
		For Stainless Steel, Add		*93.06*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		101.04	
		For Hot-Dipped Galvanized, Add		*23.86*	
		For Stainless Steel, Add		*95.44*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		105.89	
		For Hot-Dipped Galvanized, Add		*24.16*	
		For Stainless Steel, Add		*96.62*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		109.42	
		For Hot-Dipped Galvanized, Add		*24.49*	
		For Stainless Steel, Add		*97.94*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		122.52	
		For Hot-Dipped Galvanized, Add		*29.12*	
		For Stainless Steel, Add		*116.46*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		91.24	
		For Hot-Dipped Galvanized, Add		*26.91*	
		For Stainless Steel, Add		*107.64*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		94.89	
		For Hot-Dipped Galvanized, Add		*27.46*	
		For Stainless Steel, Add		*109.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.71	
		For Hot-Dipped Galvanized, Add	*28.05*	
		For Stainless Steel, Add	*112.20*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.19	
		For Hot-Dipped Galvanized, Add	*28.61*	
		For Stainless Steel, Add	*114.42*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.69	
		For Hot-Dipped Galvanized, Add	*29.19*	
		For Stainless Steel, Add	*116.74*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.57	
		For Hot-Dipped Galvanized, Add	*29.51*	
		For Stainless Steel, Add	*118.02*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.04	
		For Hot-Dipped Galvanized, Add	*29.80*	
		For Stainless Steel, Add	*119.18*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.55	
		For Hot-Dipped Galvanized, Add	*36.13*	
		For Stainless Steel, Add	*144.52*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.97	
		For Hot-Dipped Galvanized, Add	*50.43*	
		For Stainless Steel, Add	*201.70*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.45	
		For Hot-Dipped Galvanized, Add	*32.02*	
		For Stainless Steel, Add	*128.06*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.53	
		For Hot-Dipped Galvanized, Add	*33.11*	
		For Stainless Steel, Add	*132.44*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.59	
		For Hot-Dipped Galvanized, Add	*34.21*	
		For Stainless Steel, Add	*136.82*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.00	
		For Hot-Dipped Galvanized, Add	*35.51*	
		For Stainless Steel, Add	*142.04*	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.40	
		For Hot-Dipped Galvanized, Add	*36.81*	
		For Stainless Steel, Add	*147.24*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.59	
		For Hot-Dipped Galvanized, Add	*37.51*	
		For Stainless Steel, Add	*150.02*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.18	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.40*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.88	
		For Hot-Dipped Galvanized, Add	*39.30*	
		For Stainless Steel, Add	*157.18*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	182.65	
		For Hot-Dipped Galvanized, Add	*57.26*	
		For Stainless Steel, Add	*229.04*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.97	
		For Hot-Dipped Galvanized, Add	*33.78*	
		For Stainless Steel, Add	*135.10*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.47	
		For Hot-Dipped Galvanized, Add	*34.25*	
		For Stainless Steel, Add	*136.98*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.18	
		For Hot-Dipped Galvanized, Add	*34.79*	
		For Stainless Steel, Add	*139.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.77	
		For Hot-Dipped Galvanized, Add	*35.40*	
		For Stainless Steel, Add	*141.58*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.31	
		For Hot-Dipped Galvanized, Add	*36.00*	
		For Stainless Steel, Add	*143.98*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.15	
		For Hot-Dipped Galvanized, Add	*36.29*	
		For Stainless Steel, Add	*145.14*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.68	
		For Hot-Dipped Galvanized, Add	*36.62*	
		For Stainless Steel, Add	*146.46*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.79	
		For Hot-Dipped Galvanized, Add	*41.25*	
		For Stainless Steel, Add	*165.00*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.18	
		For Hot-Dipped Galvanized, Add	*50.53*	
		For Stainless Steel, Add	*202.10*	
04 05 19 13-0277		Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.51	
		For Hot-Dipped Galvanized, Add	*39.05*	
		For Stainless Steel, Add	*156.18*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.15	
		For Hot-Dipped Galvanized, Add	*39.59*	
		For Stainless Steel, Add	*158.34*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.97	
		For Hot-Dipped Galvanized, Add	*40.18*	
		For Stainless Steel, Add	*160.72*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.45	
		For Hot-Dipped Galvanized, Add	*40.74*	
		For Stainless Steel, Add	*162.94*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.96	
		For Hot-Dipped Galvanized, Add	*41.32*	
		For Stainless Steel, Add	*165.28*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.83	
		For Hot-Dipped Galvanized, Add	*41.64*	
		For Stainless Steel, Add	*166.54*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.31	
		For Hot-Dipped Galvanized, Add	*41.93*	
		For Stainless Steel, Add	*167.72*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.82	
		For Hot-Dipped Galvanized, Add	*48.27*	
		For Stainless Steel, Add	*193.06*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	193.24	
		For Hot-Dipped Galvanized, Add	*62.56*	
		For Stainless Steel, Add	*250.24*	
04 05 19 13-0287		Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.71	
		For Hot-Dipped Galvanized, Add	*44.15*	
		For Stainless Steel, Add	*176.58*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.79	
		For Hot-Dipped Galvanized, Add	*45.24*	
		For Stainless Steel, Add	*180.96*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.85	
		For Hot-Dipped Galvanized, Add	*46.34*	
		For Stainless Steel, Add	*185.34*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.26	
		For Hot-Dipped Galvanized, Add	*47.64*	
		For Stainless Steel, Add	*190.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.67	
		For Hot-Dipped Galvanized, Add	*48.95*	
		For Stainless Steel, Add	*195.78*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.85	
		For Hot-Dipped Galvanized, Add	*49.64*	
		For Stainless Steel, Add	*198.54*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.45	
		For Hot-Dipped Galvanized, Add	*50.24*	
		For Stainless Steel, Add	*200.94*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.14	
		For Hot-Dipped Galvanized, Add	*51.43*	
		For Stainless Steel, Add	*205.70*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	206.92	
		For Hot-Dipped Galvanized, Add	*69.40*	
		For Stainless Steel, Add	*277.58*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	90.84	
		For Hot-Dipped Galvanized, Add	*21.13*	
		For Stainless Steel, Add	*84.50*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	98.27	
		For Hot-Dipped Galvanized, Add	*22.15*	
		For Stainless Steel, Add	*88.58*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	106.26	
		For Hot-Dipped Galvanized, Add	*23.44*	
		For Stainless Steel, Add	*93.76*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	113.42	
		For Hot-Dipped Galvanized, Add	*24.33*	
		For Stainless Steel, Add	*97.30*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	117.62	
		For Hot-Dipped Galvanized, Add	*25.07*	
		For Stainless Steel, Add	*100.28*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	126.05	
		For Hot-Dipped Galvanized, Add	*26.86*	
		For Stainless Steel, Add	*107.44*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	133.95	
		For Hot-Dipped Galvanized, Add	*28.65*	
		For Stainless Steel, Add	*114.60*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	104.00	
		For Hot-Dipped Galvanized, Add	*27.71*	
		For Stainless Steel, Add	*110.82*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	111.46	
		For Hot-Dipped Galvanized, Add	*28.74*	
		For Stainless Steel, Add	*114.96*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	119.39	
		For Hot-Dipped Galvanized, Add	*30.01*	
		For Stainless Steel, Add	*120.02*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	126.58	
		For Hot-Dipped Galvanized, Add	*30.91*	
		For Stainless Steel, Add	*123.62*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	130.69	
		For Hot-Dipped Galvanized, Add	*31.61*	
		For Stainless Steel, Add	*126.42*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	139.15	
		For Hot-Dipped Galvanized, Add	*33.41*	
		For Stainless Steel, Add	*133.64*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		147.11	
		For Hot-Dipped Galvanized, Add		*35.23*	
		For Stainless Steel, Add		*140.92*	
04 05 19 13-0314		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*			
04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		116.20	
		For Hot-Dipped Galvanized, Add		*33.81*	
		For Stainless Steel, Add		*135.22*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		124.79	
		For Hot-Dipped Galvanized, Add		*35.41*	
		For Stainless Steel, Add		*141.62*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		134.59	
		For Hot-Dipped Galvanized, Add		*37.61*	
		For Stainless Steel, Add		*150.42*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		142.37	
		For Hot-Dipped Galvanized, Add		*38.80*	
		For Stainless Steel, Add		*155.20*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		147.46	
		For Hot-Dipped Galvanized, Add		*39.99*	
		For Stainless Steel, Add		*159.96*	
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		157.70	
		For Hot-Dipped Galvanized, Add		*42.69*	
		For Stainless Steel, Add		*170.74*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		166.47	
		For Hot-Dipped Galvanized, Add		*44.91*	
		For Stainless Steel, Add		*179.64*	
04 05 19 13-0322		Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*			
04 05 19 13-0323		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*			
04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		131.86	
		For Hot-Dipped Galvanized, Add		*41.64*	
		For Stainless Steel, Add		*166.54*	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		137.84	
		For Hot-Dipped Galvanized, Add		*41.93*	
		For Stainless Steel, Add		*167.72*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		145.27	
		For Hot-Dipped Galvanized, Add		*42.95*	
		For Stainless Steel, Add		*171.78*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		156.08	
		For Hot-Dipped Galvanized, Add		*44.30*	
		For Stainless Steel, Add		*177.20*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		164.13	
		For Hot-Dipped Galvanized, Add		*45.90*	
		For Stainless Steel, Add		*183.60*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		172.36	
		For Hot-Dipped Galvanized, Add		*47.86*	
		For Stainless Steel, Add		*191.42*	
04 05 19 13-0330		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*			
04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		152.22	
		For Hot-Dipped Galvanized, Add		*51.82*	
		For Stainless Steel, Add		*207.26*	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		158.48	
		For Hot-Dipped Galvanized, Add		*52.25*	
		For Stainless Steel, Add		*209.00*	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement		165.92	
		For Hot-Dipped Galvanized, Add		*53.27*	
		For Stainless Steel, Add		*213.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.67	
		For Hot-Dipped Galvanized, Add	*54.60*	
		For Stainless Steel, Add	*218.38*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	184.46	
		For Hot-Dipped Galvanized, Add	*56.07*	
		For Stainless Steel, Add	*224.26*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.75	
		For Hot-Dipped Galvanized, Add	*57.55*	
		For Stainless Steel, Add	*230.20*	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	163.37	
		For Hot-Dipped Galvanized, Add	*57.39*	
		For Stainless Steel, Add	*229.56*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	169.63	
		For Hot-Dipped Galvanized, Add	*57.83*	
		For Stainless Steel, Add	*231.30*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	178.23	
		For Hot-Dipped Galvanized, Add	*59.43*	
		For Stainless Steel, Add	*237.70*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	190.53	
		For Hot-Dipped Galvanized, Add	*61.53*	
		For Stainless Steel, Add	*246.10*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.68	
		For Hot-Dipped Galvanized, Add	*64.18*	
		For Stainless Steel, Add	*256.70*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	210.88	
		For Hot-Dipped Galvanized, Add	*67.12*	
		For Stainless Steel, Add	*268.46*	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	141.13	
		For Hot-Dipped Galvanized, Add	*43.58*	
		For Stainless Steel, Add	*174.30*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	147.14	
		For Hot-Dipped Galvanized, Add	*43.88*	
		For Stainless Steel, Add	*175.52*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	157.22	
		For Hot-Dipped Galvanized, Add	*44.87*	
		For Stainless Steel, Add	*179.48*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	164.75	
		For Hot-Dipped Galvanized, Add	*46.21*	
		For Stainless Steel, Add	*184.84*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	172.33	
		For Hot-Dipped Galvanized, Add	*47.84*	
		For Stainless Steel, Add	*191.36*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	178.65	
		For Hot-Dipped Galvanized, Add	*49.50*	
		For Stainless Steel, Add	*198.00*	
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	161.42	
		For Hot-Dipped Galvanized, Add	*53.72*	
		For Stainless Steel, Add	*214.88*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.69	
		For Hot-Dipped Galvanized, Add	*54.16*	
		For Stainless Steel, Add	*216.62*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	177.83	
		For Hot-Dipped Galvanized, Add	*55.18*	
		For Stainless Steel, Add	*220.70*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.36	
		For Hot-Dipped Galvanized, Add	*56.52*	
		For Stainless Steel, Add	*226.06*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.62	
		For Hot-Dipped Galvanized, Add	*57.99*	
		For Stainless Steel, Add	*231.94*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.11	
		For Hot-Dipped Galvanized, Add	*59.73*	
		For Stainless Steel, Add	*238.92*	
04 05 19 13-0359		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	172.60	
		For Hot-Dipped Galvanized, Add	*59.31*	
		For Stainless Steel, Add	*237.24*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	178.84	
		For Hot-Dipped Galvanized, Add	*59.73*	
		For Stainless Steel, Add	*238.92*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	190.21	
		For Hot-Dipped Galvanized, Add	*61.37*	
		For Stainless Steel, Add	*245.46*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.22	
		For Hot-Dipped Galvanized, Add	*63.45*	
		For Stainless Steel, Add	*253.78*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.81	
		For Hot-Dipped Galvanized, Add	*66.08*	
		For Stainless Steel, Add	*264.32*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	215.83	
		For Hot-Dipped Galvanized, Add	*68.09*	
		For Stainless Steel, Add	*272.36*	
04 05 19 13-0366		Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0367		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	133.29	
		For Hot-Dipped Galvanized, Add	*39.66*	
		For Stainless Steel, Add	*158.62*	
		For Seismic Hook And Eye, Add	*17.05*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	139.25	
		For Hot-Dipped Galvanized, Add	*39.94*	
		For Stainless Steel, Add	*159.74*	
		For Seismic Hook And Eye, Add	*17.17*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	149.06	
		For Hot-Dipped Galvanized, Add	*40.79*	
		For Stainless Steel, Add	*163.16*	
		For Seismic Hook And Eye, Add	*17.54*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	156.39	
		For Hot-Dipped Galvanized, Add	*42.03*	
		For Stainless Steel, Add	*168.12*	
		For Seismic Hook And Eye, Add	*18.07*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	163.27	
		For Hot-Dipped Galvanized, Add	*43.31*	
		For Stainless Steel, Add	*173.24*	
		For Seismic Hook And Eye, Add	*18.62*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	169.42	
		For Hot-Dipped Galvanized, Add	*44.89*	
		For Stainless Steel, Add	*179.54*	
		For Seismic Hook And Eye, Add	*19.30*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0374		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*			
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		151.99	
		For Hot-Dipped Galvanized, Add		*49.01*	
		For Stainless Steel, Add		*196.02*	
		For Seismic Hook And Eye, Add		*21.07*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		158.14	
		For Hot-Dipped Galvanized, Add		*49.38*	
		For Stainless Steel, Add		*197.52*	
		For Seismic Hook And Eye, Add		*21.23*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		167.82	
		For Hot-Dipped Galvanized, Add		*50.17*	
		For Stainless Steel, Add		*200.68*	
		For Seismic Hook And Eye, Add		*21.57*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		175.02	
		For Hot-Dipped Galvanized, Add		*51.35*	
		For Stainless Steel, Add		*205.38*	
		For Seismic Hook And Eye, Add		*22.08*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		181.88	
		For Hot-Dipped Galvanized, Add		*52.62*	
		For Stainless Steel, Add		*210.46*	
		For Seismic Hook And Eye, Add		*22.62*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		187.67	
		For Hot-Dipped Galvanized, Add		*54.01*	
		For Stainless Steel, Add		*216.04*	
		For Seismic Hook And Eye, Add		*23.22*	
04 05 19 13-0381		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*			
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		163.28	
		For Hot-Dipped Galvanized, Add		*54.65*	
		For Stainless Steel, Add		*218.60*	
		For Seismic Hook And Eye, Add		*23.50*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		169.53	
		For Hot-Dipped Galvanized, Add		*55.08*	
		For Stainless Steel, Add		*220.30*	
		For Seismic Hook And Eye, Add		*23.68*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		180.68	
		For Hot-Dipped Galvanized, Add		*56.60*	
		For Stainless Steel, Add		*226.40*	
		For Seismic Hook And Eye, Add		*24.34*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		189.52	
		For Hot-Dipped Galvanized, Add		*58.60*	
		For Stainless Steel, Add		*234.38*	
		For Seismic Hook And Eye, Add		*25.20*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		198.88	
		For Hot-Dipped Galvanized, Add		*61.12*	
		For Stainless Steel, Add		*244.46*	
		For Seismic Hook And Eye, Add		*26.28*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement		207.47	
		For Hot-Dipped Galvanized, Add		*63.91*	
		For Stainless Steel, Add		*255.64*	
		For Seismic Hook And Eye, Add		*27.48*	
04 05 19 13-0388		Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*			
04 05 19 13-0389		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*			
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		142.42	
		For Hot-Dipped Galvanized, Add		*41.52*	
		For Stainless Steel, Add		*166.08*	
		For Seismic Hook And Eye, Add		*17.85*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement		151.10	
		For Hot-Dipped Galvanized, Add		*41.81*	
		For Stainless Steel, Add		*167.24*	
		For Seismic Hook And Eye, Add		*17.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	157.79	
		For Hot-Dipped Galvanized, Add	*42.73*	
		For Stainless Steel, Add	*170.92*	
		For Seismic Hook And Eye, Add	*18.37*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.73	
		For Hot-Dipped Galvanized, Add	*44.04*	
		For Stainless Steel, Add	*176.16*	
		For Seismic Hook And Eye, Add	*18.94*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	170.76	
		For Hot-Dipped Galvanized, Add	*45.56*	
		For Stainless Steel, Add	*182.22*	
		For Seismic Hook And Eye, Add	*19.59*	
04 05 19 13-0395		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*		
04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.57	
		For Hot-Dipped Galvanized, Add	*51.60*	
		For Stainless Steel, Add	*206.38*	
		For Seismic Hook And Eye, Add	*22.19*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	171.31	
		For Hot-Dipped Galvanized, Add	*51.92*	
		For Stainless Steel, Add	*207.66*	
		For Seismic Hook And Eye, Add	*22.32*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.94	
		For Hot-Dipped Galvanized, Add	*52.81*	
		For Stainless Steel, Add	*211.22*	
		For Seismic Hook And Eye, Add	*22.71*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.64	
		For Hot-Dipped Galvanized, Add	*54.00*	
		For Stainless Steel, Add	*215.98*	
		For Seismic Hook And Eye, Add	*23.22*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.09	
		For Hot-Dipped Galvanized, Add	*55.22*	
		For Stainless Steel, Add	*220.88*	
		For Seismic Hook And Eye, Add	*23.74*	
04 05 19 13-0401		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*		
04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	172.35	
		For Hot-Dipped Galvanized, Add	*56.49*	
		For Stainless Steel, Add	*225.94*	
		For Seismic Hook And Eye, Add	*24.29*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	181.27	
		For Hot-Dipped Galvanized, Add	*56.90*	
		For Stainless Steel, Add	*227.58*	
		For Seismic Hook And Eye, Add	*24.46*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	189.20	
		For Hot-Dipped Galvanized, Add	*58.44*	
		For Stainless Steel, Add	*233.74*	
		For Seismic Hook And Eye, Add	*25.13*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	197.48	
		For Hot-Dipped Galvanized, Add	*60.42*	
		For Stainless Steel, Add	*241.66*	
		For Seismic Hook And Eye, Add	*25.98*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.52	
		For Hot-Dipped Galvanized, Add	*62.94*	
		For Stainless Steel, Add	*251.74*	
		For Seismic Hook And Eye, Add	*27.06*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.40
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.51
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.62
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.75
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.62	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.75	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.88	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.01	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.21	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.25	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.30	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.37	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.30	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.37	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.52	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.21	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.28	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.47	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.56	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.58	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.70	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.85	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.94	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.07	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.09	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.24	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.28	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.29	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.37	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.44	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.54	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.74	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.79	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.83	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.88	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.97	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.13	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.24	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.36	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.41	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.50	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.97	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.07	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.10	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.19	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.22	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.62	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.68	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.71	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.76	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.78	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.46	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.57	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.67	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.78	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.89	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.55	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.67	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.78	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.90	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	3.02	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.08	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.16	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.23	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.31	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.39	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.15	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.23	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.32	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.40	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.49	
04 05 19 16-0090		Corrugated Wall Ties *(04 05 19 16)*		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.06	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.15	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.19	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.22	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.52	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.10	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.12	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.15	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.38	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.37	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.43	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.50	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.56	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.89	
04 05 19 16-0108		Wire Mesh Wall Ties *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.32	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.90	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.49	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.59	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.20	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	5.34	
04 05 19 16-0115		Triangle Brick Ties *(04 05 19 16)*		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.03	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.08	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.13	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.22	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.27	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.40	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.50	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.73	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.52	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.55	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.59	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.67	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.71	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.83	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.91	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.15	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.80	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.81	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.83	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.90	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.91	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.99	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.02	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.10	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.08	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.11	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.14	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.22	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.24	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.33	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.38	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.52	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	6.12	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	7.97	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	8.67	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.12	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	4.44	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	6.44	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.09	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.39	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.76	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.10	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.43	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.77	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.44	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.51	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.59	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.67	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.74	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	9.82	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.79	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.05	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.32	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.58	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.84	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	4.10	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.97	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.09	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.44	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.62	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.75	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.93	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.59	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.75	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.86	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.98	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.38	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.69	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.90	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.19	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.69	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.90	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.08	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.28	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.12	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.23	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.30	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.41	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.17	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.28	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.35	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.44	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.82	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.02	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.11	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.31	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.73	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.07	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.20	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.31	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.47	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.00	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.31	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.46	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.82	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.42	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.09	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.24	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.47	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.62	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.98	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.42	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.57	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.07	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.55	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.32	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.66	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.99	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.42	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.67	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.43	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.60	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.77	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.47	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.79	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.03	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.56	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.78	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.00	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.38	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.49	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.36	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.57	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.74	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.40	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.65	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.82	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.79	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.96	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.14	
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	4.60	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	6.93	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.74	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.96	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.11	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.27	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.42	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.44	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.54	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.79	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	0.99	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.63	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.29	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.00	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.01	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.65	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.33	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.05	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.03	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.69	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.39	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.14	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.17	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.90	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.67	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.46	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.19	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.71	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.51	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.21	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.96	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.77	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.60	
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.14	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.89	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.70	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.59	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.16	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.74	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.65	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.18	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.96	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.81	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0038		LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.74	
04 05 19 26-0039		LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.32	
04 05 19 26-0040		LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0041		LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.08	
04 05 19 26-0042		LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.05	
04 05 19 26-0043		LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0044		LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0045		LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.12	
04 05 19 26-0046		LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.11	
04 05 19 26-0047		LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0048		LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.23	
04 05 19 26-0049		LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.19	
04 05 19 26-0050		LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.20	
04 05 19 26-0051			Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052		LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.12	
04 05 19 26-0053		LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.86	
04 05 19 26-0054		LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.66	
04 05 19 26-0055		LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.53	
04 05 19 26-0056		LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.14	
04 05 19 26-0057		LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.89	
04 05 19 26-0058		LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.70	
04 05 19 26-0059		LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.59	
04 05 19 26-0060		LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.16	
04 05 19 26-0061		LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.93	
04 05 19 26-0062		LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.76	
04 05 19 26-0063		LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.67	
04 05 19 26-0064		LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.30	
04 05 19 26-0065		LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.13	
04 05 19 26-0066		LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.04	
04 05 19 26-0067		LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.99	
04 05 19 26-0068		LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.32	
04 05 19 26-0069		LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.16	
04 05 19 26-0070		LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.08	
04 05 19 26-0071		LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.05	
04 05 19 26-0072		LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0073		LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0074		LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.14	
04 05 19 26-0075		LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.13	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003		LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	7.12	0.96
04 05 23 13-0004		LF	2-5/8" Width, Rubber, Masonry Control Joint	6.90	0.96
04 05 23 13-0005		LF	6-7/8" Width, Rubber, Masonry Control Joint	15.08	0.96
04 05 23 13-0006			Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*		
04 05 23 13-0007		LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.05	0.96
04 05 23 13-0008		LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.23	0.96
04 05 23 13-0009		LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.35	0.96
04 05 23 13-0010		LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.90	0.96
04 05 23 13-0011		LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.51	0.96

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0003		SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.60	1.83
04 05 23 16-0004		SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.65	1.83
04 05 23 16-0005		SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.57	1.83
04 05 23 16-0006		SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.15	1.83
04 05 23 16-0007			Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0008		SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.62	1.83
04 05 23 16-0009		SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.57	1.83
04 05 23 16-0010		SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.94	1.83
04 05 23 16-0011		SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	18.04	1.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.83	1.83
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.15	1.83
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.04	1.83
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.99	1.83
04 05 23 16-0017		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	6.84	1.71
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.91	1.99
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.27	1.99
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.69	1.99
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	7.07	1.99
04 05 23 16-0025		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.01	1.71
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.79	1.71
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.93	1.71
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.82	1.71
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.62	1.71
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.78	1.71
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.46	1.71
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.94	1.71
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.20	1.71
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	15.54	1.71
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.10	1.71
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.88	1.71
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.01	1.71
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.90	1.71
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.70	1.71
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.20	1.71
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.15	1.71
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.54	1.71
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.44	1.71
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.59	1.71
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.37	1.71
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.23	1.71
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0025)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.72	1.71
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	12.27	1.71
04 05 23 19		**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	78.45	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	97.62	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	123.81	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	97.30	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	120.64	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	153.40	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	115.89	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	158.19	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	194.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	159.84	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	208.61	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	257.98	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	24.96
		For Buff Or Gray, Add	*0.96*
		For Common Or American Bond, Add	*0.77*
		For English Bond, Add	*1.53*
		For Flemish Bond, Add	*3.17*
		For Stacked Bond, Add	*2.21*
		For <10, Small Area Replacements (Individual Areas), Add	*29.06*
		For Curved Wall, Add	*3.84*
		For Corbels, Add	*14.39*
		For Severe Weather (SW) Brick, Add	*0.87*
		For Glazed Brick, Add	*20.23*
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	25.91
		For Buff Or Gray, Add	*1.19*
		For Common Or American Bond, Add	*0.75*
		For English Bond, Add	*1.50*
		For Flemish Bond, Add	*3.17*
		For Stacked Bond, Add	*2.23*
		For <10, Small Area Replacements (Individual Areas), Add	*28.48*
		For Curved Wall, Add	*3.75*
		For Corbels, Add	*14.06*
		For Severe Weather (SW) Brick, Add	*1.07*
		For Glazed Brick, Add	*25.06*
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	24.96
		For Buff Or Gray, Add	*0.96*
		For Common Or American Bond, Add	*0.77*
		For English Bond, Add	*1.53*
		For Flemish Bond, Add	*3.17*
		For Stacked Bond, Add	*2.21*
		For <10, Small Area Replacements (Individual Areas), Add	*29.06*
		For Curved Wall, Add	*3.84*
		For Corbels, Add	*14.39*
		For Severe Weather (SW) Brick, Add	*0.87*
		For Glazed Brick, Add	*20.23*
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	25.91
		For Buff Or Gray, Add	*1.19*
		For Common Or American Bond, Add	*0.75*
		For English Bond, Add	*1.50*
		For Flemish Bond, Add	*3.17*
		For Stacked Bond, Add	*2.23*
		For <10, Small Area Replacements (Individual Areas), Add	*28.48*
		For Curved Wall, Add	*3.75*
		For Corbels, Add	*14.06*
		For Severe Weather (SW) Brick, Add	*1.07*
		For Glazed Brick, Add	*25.06*
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	25.72
		For Buff Or Gray, Add	*1.16*
		For Common Or American Bond, Add	*0.75*
		For English Bond, Add	*1.50*
		For Flemish Bond, Add	*3.16*
		For Stacked Bond, Add	*2.22*
		For <10, Small Area Replacements (Individual Areas), Add	*28.47*
		For Curved Wall, Add	*3.75*
		For Corbels, Add	*14.06*
		For Severe Weather (SW) Brick, Add	*1.05*
		For Glazed Brick, Add	*24.40*
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	19.06
		For Buff Or Gray, Add	*1.00*
		For Common Or American Bond, Add	*0.52*
		For English Bond, Add	*1.05*
		For Flemish Bond, Add	*2.26*
		For Stacked Bond, Add	*1.61*
		For <10, Small Area Replacements (Individual Areas), Add	*19.93*
		For Curved Wall, Add	*2.62*
		For Corbels, Add	*9.82*
		For Severe Weather (SW) Brick, Add	*0.90*
		For Glazed Brick, Add	*20.90*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	17.27	
		For Buff Or Gray, Add	*0.70*	
		For Common Or American Bond, Add	*0.52*	
		For English Bond, Add	*1.05*	
		For Flemish Bond, Add	*2.17*	
		For Stacked Bond, Add	*1.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.84*	
		For Curved Wall, Add	*2.62*	
		For Corbels, Add	*9.82*	
		For Severe Weather (SW) Brick, Add	*0.63*	
		For Glazed Brick, Add	*14.63*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	26.27	
		For Buff Or Gray, Add	*1.25*	
		For Common Or American Bond, Add	*0.75*	
		For English Bond, Add	*1.50*	
		For Flemish Bond, Add	*3.19*	
		For Stacked Bond, Add	*2.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.50*	
		For Curved Wall, Add	*3.75*	
		For Corbels, Add	*14.06*	
		For Severe Weather (SW) Brick, Add	*1.13*	
		For Glazed Brick, Add	*26.32*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	27.85	
		For Buff Or Gray, Add	*1.52*	
		For Common Or American Bond, Add	*0.75*	
		For English Bond, Add	*1.50*	
		For Flemish Bond, Add	*3.27*	
		For Stacked Bond, Add	*2.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.58*	
		For Curved Wall, Add	*3.75*	
		For Corbels, Add	*14.06*	
		For Severe Weather (SW) Brick, Add	*1.37*	
		For Glazed Brick, Add	*31.85*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	29.44	
		For Buff Or Gray, Add	*1.78*	
		For Common Or American Bond, Add	*0.75*	
		For English Bond, Add	*1.50*	
		For Flemish Bond, Add	*3.35*	
		For Stacked Bond, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.66*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	22.32	
		For Buff Or Gray, Add	*0.28*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	22.52	
		For Buff Or Gray, Add	*0.31*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	22.32	
		For Buff Or Gray, Add	*0.28*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	22.65	
		For Buff Or Gray, Add	*0.33*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	23.52	
		For Buff Or Gray, Add	*0.48*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	23.70	
		For Buff Or Gray, Add	*0.51*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	23.70	
		For Buff Or Gray, Add	*0.51*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	22.76	
		For Buff Or Gray, Add	*0.35*	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	22.85	
		For Buff Or Gray, Add	*0.37*	

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	22.70	
		For Smooth Face, One Side, Add	*1.41*	
		For Smooth Face, Two Sides, Add	*2.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.67	
		For Smooth Face, One Side, Add	*1.57*	
		For Smooth Face, Two Sides, Add	*2.64*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.67	
		For Smooth Face, One Side, Add	*1.82*	
		For Smooth Face, Two Sides, Add	*3.08*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	37.99	
		For Smooth Face, One Side, Add	*2.79*	
		For Smooth Face, Two Sides, Add	*4.83*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	49.92	
		For Smooth Face, One Side, Add	*3.89*	
		For Smooth Face, Two Sides, Add	*6.78*	
04 21 19 00-0008		Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*		
04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	19.02	
		For Smooth Face, One Side, Add	*1.14*	
		For Smooth Face, Two Sides, Add	*1.90*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	22.75	
		For Smooth Face, One Side, Add	*1.48*	
		For Smooth Face, Two Sides, Add	*2.50*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	23.35	
		For Smooth Face, One Side, Add	*1.50*	
		For Smooth Face, Two Sides, Add	*2.53*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	35.63	
		For Smooth Face, One Side, Add	*2.66*	
		For Smooth Face, Two Sides, Add	*4.61*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	48.52	
		For Smooth Face, One Side, Add	*3.85*	
		For Smooth Face, Two Sides, Add	*6.72*	
04 21 26		**Glazed Structural Clay Tile Masonry** *(04 21)*		
		Note: Includes tile and mortar in all colors.		
04 21 26 00-0001		6T Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0002		Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*		
04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	32.01	
		For Stacked Bond, Add	*2.05*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	36.02	
		For Stacked Bond, Add	*2.05*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	44.21	
		For Stacked Bond, Add	*2.14*	
04 21 26 00-0006		Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*		
04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	33.34	
		For Stacked Bond, Add	*2.42*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	40.02	
		For Stacked Bond, Add	*2.42*	
04 21 26 00-0009		8W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0010		Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*		
04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	25.31	
		For Stacked Bond, Add	*1.30*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	31.63	
		For Stacked Bond, Add	*1.40*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	43.97	
		For Stacked Bond, Add	*1.49*	
04 21 26 00-0014		Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*		
04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	34.69	
		For Stacked Bond, Add	*1.68*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	34.63	
		For Stacked Bond, Add	*1.68*	
04 21 26 00-0017		4W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0018		Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	33.52	
		For Stacked Bond, Add	*2.05*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	35.52	
		For Stacked Bond, Add	*2.05*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	44.47	
		For Stacked Bond, Add	*2.14*	
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0023		LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	34.56	
			For Stacked Bond, Add	*2.42*	
04 21 26 00-0024		LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	39.91	
			For Stacked Bond, Add	*2.42*	
04 21 26 00-0025			6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0026		SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	34.63	
04 21 26 00-0027		SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	37.44	
04 21 26 00-0028		SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	43.69	
04 21 26 00-0029			8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0030		SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	39.01	
04 21 26 00-0031		SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	44.13	
04 21 26 00-0032		SF	8" Thick, 8T Acoustical Glazed Tile	52.31	
04 21 29			**Terra Cotta Masonry** *(04 21)*		
04 21 29 00-0001			Coping *(04 21 29)*		
			Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002		SF	Terra Cotta Coping	106.89	39.45
			For Smooth Tile Instead Of Scored, Add	*3.68*	
			For Reinforcing With Steel Rods, Add	*7.39*	
04 21 29 00-0003			Partition Or Back Up (Scored) *(04 21 29)*		
04 21 29 00-0004			Non-load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0005		SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	28.26	
			For Smooth Tile Instead Of Scored, Add	*3.81*	
			For Reinforcing With Steel Rods, Add	*3.53*	
04 21 29 00-0006		SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	29.95	
			For Smooth Tile Instead Of Scored, Add	*3.98*	
			For Reinforcing With Steel Rods, Add	*3.71*	
04 21 29 00-0007		SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	38.92	
			For Smooth Tile Instead Of Scored, Add	*5.44*	
			For Reinforcing With Steel Rods, Add	*4.97*	
04 21 29 00-0008		SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	47.78	
			For Smooth Tile Instead Of Scored, Add	*6.84*	
			For Reinforcing With Steel Rods, Add	*6.19*	
04 21 29 00-0009			Load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0010			In Walls *(04 21 29 00-0009)*		
04 21 29 00-0011		SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	31.90	
			For Smooth Tile Instead Of Scored, Add	*4.33*	
			For Reinforcing With Steel Rods, Add	*4.00*	
04 21 29 00-0012		SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	43.35	
			For Smooth Tile Instead Of Scored, Add	*6.24*	
			For Reinforcing With Steel Rods, Add	*5.63*	
04 21 29 00-0013		SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	52.10	
			For Smooth Tile Instead Of Scored, Add	*7.62*	
			For Reinforcing With Steel Rods, Add	*6.84*	
04 21 29 00-0014		SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	54.47	
			For Smooth Tile Instead Of Scored, Add	*7.79*	
			For Reinforcing With Steel Rods, Add	*7.05*	
04 21 29 00-0015		SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	65.50	
			For Smooth Tile Instead Of Scored, Add	*9.44*	
			For Reinforcing With Steel Rods, Add	*8.52*	
04 21 29 00-0016			In Floors *(04 21 29 00-0009)*		
04 21 29 00-0017		SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	29.30	
			For Smooth Tile Instead Of Scored, Add	*4.33*	
			For Reinforcing With Steel Rods, Add	*3.87*	
04 21 29 00-0018		SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	40.45	
			For Smooth Tile Instead Of Scored, Add	*6.24*	
			For Reinforcing With Steel Rods, Add	*5.49*	
04 21 29 00-0019		SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	49.12	
			For Smooth Tile Instead Of Scored, Add	*7.62*	
			For Reinforcing With Steel Rods, Add	*6.69*	
04 21 29 00-0020		SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	51.12	
			For Smooth Tile Instead Of Scored, Add	*7.79*	
			For Reinforcing With Steel Rods, Add	*6.89*	
04 21 29 00-0021		SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	61.16	
			For Smooth Tile Instead Of Scored, Add	*9.44*	
			For Reinforcing With Steel Rods, Add	*8.31*	
04 22			**Concrete Unit Masonry** *(04 20)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block		11.84
		For Stacked Bond, Add		*2.57*
		For Scored Block, Add		*0.39*
		For Curved Wall Application, Add		*1.98*
		For <10, Small Area Replacements (Individual Areas), Add		*15.00*
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block		13.18
		For Stacked Bond, Add		*2.78*
		For Scored Block, Add		*0.49*
		For Curved Wall Application, Add		*2.14*
		For <10, Small Area Replacements (Individual Areas), Add		*16.25*
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block		14.27
		For Stacked Bond, Add		*2.99*
		For Scored Block, Add		*0.55*
		For Curved Wall Application, Add		*2.30*
		For <10, Small Area Replacements (Individual Areas), Add		*17.46*
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block		15.73
		For Stacked Bond, Add		*3.13*
		For Scored Block, Add		*0.74*
		For Curved Wall Application, Add		*2.41*
		For <10, Small Area Replacements (Individual Areas), Add		*18.32*
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block		18.82
		For Stacked Bond, Add		*3.86*
		For Scored Block, Add		*0.80*
		For Curved Wall Application, Add		*2.97*
		For <10, Small Area Replacements (Individual Areas), Add		*22.56*

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block		12.74
		For Stacked Bond, Add		*2.64*
		For Scored Block, Add		*0.52*
		For Curved Wall Application, Add		*2.03*
		For <10, Small Area Replacements (Individual Areas), Add		*15.42*
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block		13.97
		For Stacked Bond, Add		*2.90*
		For Scored Block, Add		*0.56*
		For Curved Wall Application, Add		*2.23*
		For <10, Small Area Replacements (Individual Areas), Add		*16.97*
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block		14.75
		For Stacked Bond, Add		*3.08*
		For Scored Block, Add		*0.58*
		For Curved Wall Application, Add		*2.37*
		For <10, Small Area Replacements (Individual Areas), Add		*17.99*
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block		16.42
		For Stacked Bond, Add		*3.23*
		For Scored Block, Add		*0.80*
		For Curved Wall Application, Add		*2.48*
		For <10, Small Area Replacements (Individual Areas), Add		*18.92*
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block		19.61
		For Stacked Bond, Add		*3.99*
		For Scored Block, Add		*0.86*
		For Curved Wall Application, Add		*3.07*
		For <10, Small Area Replacements (Individual Areas), Add		*23.32*

04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block		12.09
		For Stacked Bond, Add		*2.64*
		For Scored Block, Add		*0.39*
		For Curved Wall Application, Add		*2.03*
		For <10, Small Area Replacements (Individual Areas), Add		*15.37*
		For 3,500 PSI, Add		*0.41*
		For 5,000 PSI, Add		*0.70*
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block		13.39
		For Stacked Bond, Add		*2.90*
		For Scored Block, Add		*0.44*
		For Curved Wall Application, Add		*2.23*
		For <10, Small Area Replacements (Individual Areas), Add		*16.92*
		For 3,500 PSI, Add		*0.47*
		For 5,000 PSI, Add		*0.80*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	14.41	
		For Stacked Bond, Add	*3.08*	
		For Scored Block, Add	*0.51*	
		For Curved Wall Application, Add	*2.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.97*	
		For 3,500 PSI, Add	*0.54*	
		For 5,000 PSI, Add	*0.92*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	17.34	
		For Stacked Bond, Add	*3.23*	
		For Scored Block, Add	*0.99*	
		For Curved Wall Application, Add	*2.48*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.98*	
		For 3,500 PSI, Add	*1.04*	
		For 5,000 PSI, Add	*1.77*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	20.42	
		For Stacked Bond, Add	*3.99*	
		For Scored Block, Add	*1.02*	
		For Curved Wall Application, Add	*3.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.38*	
		For 3,500 PSI, Add	*1.07*	
		For 5,000 PSI, Add	*1.83*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	12.89	
		For Stacked Bond, Add	*2.71*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*2.08*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.82*	
		For 3,500 PSI, Add	*0.52*	
		For 5,000 PSI, Add	*0.89*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	13.78	
		For Stacked Bond, Add	*2.99*	
		For Scored Block, Add	*0.46*	
		For Curved Wall Application, Add	*2.30*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.42*	
		For 3,500 PSI, Add	*0.48*	
		For 5,000 PSI, Add	*0.82*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	14.87	
		For Stacked Bond, Add	*3.18*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*2.44*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.53*	
		For 3,500 PSI, Add	*0.56*	
		For 5,000 PSI, Add	*0.95*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	16.36	
		For Stacked Bond, Add	*3.33*	
		For Scored Block, Add	*0.71*	
		For Curved Wall Application, Add	*2.56*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.50*	
		For 3,500 PSI, Add	*0.74*	
		For 5,000 PSI, Add	*1.27*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	19.57	
		For Stacked Bond, Add	*4.13*	
		For Scored Block, Add	*0.74*	
		For Curved Wall Application, Add	*3.17*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.08*	
		For 3,500 PSI, Add	*0.78*	
		For 5,000 PSI, Add	*1.33*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	13.75	
		For Stacked Bond, Add	*2.78*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.40*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.14*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	15.17	
		For Stacked Bond, Add	*2.99*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.42*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*2.30*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	18.75	
		For Stacked Bond, Add	*3.86*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.33*	
		For Scored Block, Add	*0.78*	
		For Curved Wall Application, Add	*2.97*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block		13.77	
		For Stacked Bond, Add		*2.90*	
		For Grout And Fill With 2 #5 Rebar, Add		*8.19*	
		For Scored Block, Add		*0.52*	
		For Curved Wall Application, Add		*2.23*	
		For 3,500 PSI, Add		*0.55*	
		For 5,000 PSI, Add		*0.94*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block		15.09	
		For Stacked Bond, Add		*3.08*	
		For Grout And Fill With 2 #5 Rebar, Add		*9.17*	
		For Scored Block, Add		*0.65*	
		For Curved Wall Application, Add		*2.37*	
		For 3,500 PSI, Add		*0.68*	
		For 5,000 PSI, Add		*1.17*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block		18.80	
		For Stacked Bond, Add		*3.99*	
		For Grout And Fill With 2 #5 Rebar, Add		*11.14*	
		For Scored Block, Add		*0.69*	
		For Curved Wall Application, Add		*3.07*	
		For 3,500 PSI, Add		*0.73*	
		For 5,000 PSI, Add		*1.25*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block		15.52	
		For Stacked Bond, Add		*3.23*	
		For Scored Block, Add		*0.62*	
		For Curved Wall Application, Add		*2.48*	
		For <10, Small Area Replacements (Individual Areas), Add		*18.85*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block		17.50	
		For Stacked Bond, Add		*3.63*	
		For Scored Block, Add		*0.71*	
		For Curved Wall Application, Add		*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add		*21.21*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block		18.94	
		For Stacked Bond, Add		*3.84*	
		For Scored Block, Add		*0.84*	
		For Curved Wall Application, Add		*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add		*22.44*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block		20.26	
		For Stacked Bond, Add		*4.07*	
		For Scored Block, Add		*0.92*	
		For Curved Wall Application, Add		*3.13*	
		For <10, Small Area Replacements (Individual Areas), Add		*23.81*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block		24.22	
		For Stacked Bond, Add		*4.98*	
		For Scored Block, Add		*1.01*	
		For Curved Wall Application, Add		*3.83*	
		For <10, Small Area Replacements (Individual Areas), Add		*29.13*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block		21.01	
		For Stacked Bond, Add		*3.23*	
		For Curved Wall Application, Add		*2.48*	
		For <10, Small Area Replacements (Individual Areas), Add		*19.26*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block		23.56	
		For Stacked Bond, Add		*3.50*	
		For Curved Wall Application, Add		*2.70*	
		For <10, Small Area Replacements (Individual Areas), Add		*20.98*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block		27.17	
		For Stacked Bond, Add		*3.84*	
		For Curved Wall Application, Add		*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add		*23.06*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block		15.89	
		For Stacked Bond, Add		*3.23*	
		For Curved Wall Application, Add		*2.48*	
		For <10, Small Area Replacements (Individual Areas), Add		*18.88*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block		17.94	
		For Stacked Bond, Add		*3.63*	
		For Curved Wall Application, Add		*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add		*21.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	19.44	
		For Stacked Bond, Add	*3.84*	
		For Curved Wall Application, Add	*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.48*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.85	
		For Stacked Bond, Add	*4.07*	
		For Curved Wall Application, Add	*3.13*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.85*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	24.57	
		For Stacked Bond, Add	*4.98*	
		For Curved Wall Application, Add	*3.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.16*	
04 22 23 29-0008		Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	16.76	
		For Stacked Bond, Add	*3.23*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.56*	
		For Curved Wall Application, Add	*2.48*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.94*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.93	
		For Stacked Bond, Add	*3.63*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.95*	
		For Curved Wall Application, Add	*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.31*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	20.61	
		For Stacked Bond, Add	*3.84*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.24*	
		For Curved Wall Application, Add	*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.56*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.15	
		For Stacked Bond, Add	*4.07*	
		For Grout And Fill With 2 #5 Rebar, Add	*14.33*	
		For Curved Wall Application, Add	*3.13*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.95*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	25.92	
		For Stacked Bond, Add	*4.98*	
		For Grout And Fill With 2 #5 Rebar, Add	*16.34*	
		For Curved Wall Application, Add	*3.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.26*	
04 22 23 29-0014		Split Rib, Concrete Block *(04 22 23 29)*		
04 22 23 29-0015		Split Rib, Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	15.62	
		For Stacked Bond, Add	*3.23*	
		For Curved Wall Application, Add	*2.48*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.86*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	18.58	
		For Stacked Bond, Add	*3.63*	
		For Curved Wall Application, Add	*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.29*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	19.77	
		For Stacked Bond, Add	*3.84*	
		For Curved Wall Application, Add	*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.50*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	21.13	
		For Stacked Bond, Add	*4.07*	
		For Curved Wall Application, Add	*3.13*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.87*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	25.18	
		For Stacked Bond, Add	*4.98*	
		For Curved Wall Application, Add	*3.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.21*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
04 22 23 31-0001		One Glazed Face, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*		
04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	27.44	
		For Stacked Bond, Add	*3.13*	
		For Curved Wall Application, Add	*2.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.20*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	29.38	
		For Stacked Bond, Add	*3.45*	
		For Curved Wall Application, Add	*2.65*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.08*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	31.11	
		For Stacked Bond, Add	*3.63*	
		For Curved Wall Application, Add	*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	32.95	
		For Stacked Bond, Add	*3.84*	
		For Curved Wall Application, Add	*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.49*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	37.14	
		For Stacked Bond, Add	*4.69*	
		For Curved Wall Application, Add	*3.61*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.51*	
04 22 23 31-0008		Two Glazed Faces, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0009		Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*		
04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	36.60	
		For Stacked Bond, Add	*3.57*	
		For Curved Wall Application, Add	*2.74*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.30*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	38.39	
		For Stacked Bond, Add	*3.84*	
		For Curved Wall Application, Add	*2.95*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.90*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	40.95	
		For Stacked Bond, Add	*4.24*	
		For Curved Wall Application, Add	*3.26*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.28*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	77.06	
		For Solar Reflective (Suntrol) Blocks, Add	*15.90*	
		For Essex (Horizontal Striated) Blocks, Add	*9.08*	
		For Sculptured Or Patterned Blocks, Add	*15.90*	
		For Colored Glass, Add	*45.42*	
		For Thinline Block, Deduct	*-11.36*	
		For >1,000 To 5,000, Deduct	*-5.42*	
		For >5,000, Deduct	*-9.27*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	55.42	
		For Solar Reflective (Suntrol) Blocks, Add	*11.25*	
		For Essex (Horizontal Striated) Blocks, Add	*6.43*	
		For Sculptured Or Patterned Blocks, Add	*11.25*	
		For Colored Glass, Add	*32.15*	
		For Thinline Block, Deduct	*-8.04*	
		For >1,000 To 5,000, Deduct	*-3.92*	
		For >5,000, Deduct	*-6.69*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	62.48	
		For Solar Reflective (Suntrol) Blocks, Add	*14.38*	
		For Essex (Horizontal Striated) Blocks, Add	*8.22*	
		For Sculptured Or Patterned Blocks, Add	*14.38*	
		For Colored Glass, Add	*41.08*	
		For Thinline Block, Deduct	*-10.27*	
		For >1,000 To 5,000, Deduct	*-4.18*	
		For >5,000, Deduct	*-7.30*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	757.01	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	573.30	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	391.77	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	274.18	

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	25.46	7.38
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	25.92	7.38

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	71.72	16.95
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	75.79	17.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	87.65	17.50
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	96.38	18.05
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	102.72	19.14
04 42 43 00-0007	CF	Marble Face Panel	434.01	62.35
04 42 43 00-0008		Smooth Limestone Panels *(04 42 43)*		
		Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	58.52	34.02
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	62.03	35.66
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	65.73	37.29
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	76.05	41.02
04 42 43 00-0013		Sandstone Panels *(04 42 43)*		
04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	66.92	35.66
04 42 43 00-0015	SF	4" Thick Sandstone Panels	73.57	41.02
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	67.78	41.02

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001		Marble *(04 43 16)*		
04 43 16 00-0002		Marble Base *(04 43 16 00-0001)*		
		Note: 1" thick.		
04 43 16 00-0003	LF	4" High Marble Base	107.08	67.71
04 43 16 00-0004	LF	6" High Marble Base	121.55	73.76
04 43 16 00-0005		Marble Columns *(04 43 16 00-0001)*		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	298.32	62.35
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	497.69	62.35
04 43 16 00-0008		Marble Flooring *(04 43 16 00-0001)*		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	30.12	15.50
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	32.33	15.50
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	38.78	17.70
04 43 16 00-0012		Marble Items *(04 43 16 00-0001)*		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads	80.29	24.39
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	61.12	19.55
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	36.57	14.50
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	71.33	17.80
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	40.17	22.47
04 43 16 00-0018		Limestone *(04 43 16)*		
04 43 16 00-0019		Ashlar Veneer Limestone *(04 43 16 00-0018)*		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	58.55	24.39
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	88.77	33.51
04 43 16 00-0022		Limestone Coping *(04 43 16 00-0018)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	28.67	8.75
04 43 16 00-0024	SF	3" Thick Limestone Coping	32.00	9.29
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	35.33	9.84
04 43 16 00-0026	SF	4" Thick Limestone Coping	37.56	10.17
04 43 16 00-0027	SF	5" Thick Limestone Coping	43.12	10.39
04 43 16 00-0028	SF	6" Thick Limestone Coping	61.83	10.94
04 43 16 00-0029	CF	>6" Thick Limestone Coping	101.38	22.02
04 43 16 00-0030		Limestone Stair Treads *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	34.71	8.20
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	36.86	8.75
04 43 16 00-0033	SF	3" Thick Limestone Treads	41.17	9.29
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	44.39	9.84
04 43 16 00-0035	SF	4" Thick Limestone Treads	47.60	9.84
04 43 16 00-0036	SF	5" Thick Limestone Treads	51.84	10.39
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	70.77	10.94
04 43 16 00-0038		Limestone Items *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	179.21	82.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0040		Granite *(04 43 16)*		
04 43 16 00-0041		Polished Granite Veneer Facing Panels *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	105.19	34.23
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	95.77	34.23
04 43 16 00-0044		Granite Stair Treads *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	61.55	8.20
04 43 16 00-0046		Slate *(04 43 16)*		
04 43 16 00-0047		Slate Panels Or Sills *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	60.31	34.23
04 43 16 00-0049	SF	2" Thick Slate Panels	69.83	34.23
04 43 16 00-0050		Slate Sills Or Stools *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	27.24	14.59
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	33.29	14.59
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	32.44	14.59
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	45.42	14.59
04 43 16 00-0055		Slate Stair Treads *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	40.60	8.20

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		Rectangular Flue Liners *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	20.12	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	28.12	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	31.96	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	39.86	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	49.07	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	55.95	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	60.91	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	75.65	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	80.88	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	104.65	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	114.04	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	135.60	
04 51 00 00-0014		Round Flue Liners *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	50.14	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	73.87	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	97.67	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	119.28	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	146.77	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	158.70	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	202.75	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	249.18	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	287.64	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	327.25	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	342.84	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	350.05	
04 51 00 00-0027		Standard Chimney Block *(04 51)*		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	31.52	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	34.64	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	34.86	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	36.60	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	38.56	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	40.66	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	45.99	

04 70 Manufactured Masonry *(04)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001 Precast Concrete Lintels *(04 72)*

04 72 00 00-0002 Solid Precast Concrete Lintels *(04 72 00 00-0001)*

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	17.33	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	22.28	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	27.64	

04 72 00 00-0006 U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	18.60	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	22.65	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	37.74	

04 72 00 00-0010 Precast Concrete Coping *(04 72)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 72 00 00-0011 Precast Concrete Coping *(04 72 00 00-0010)*

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	50.47	11.93
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	56.66	12.84
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	65.31	13.76
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	70.12	14.68
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	74.97	15.59
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	88.90	16.52
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	101.17	17.43

04 72 00 00-0019 Precast Concrete Window Sills *(04 72)*

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills *(04 72 00 00-0019)*

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	36.84	9.17
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	54.71	9.17
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	64.37	9.17

END OF SECTION 04

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		11.96	
		For >10 To 50, Deduct		*-0.54*	
		For >50 To 100, Deduct		*-1.10*	
		For >100, Deduct		*-2.20*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		12.15	
		For >10 To 50, Deduct		*-0.54*	
		For >50 To 100, Deduct		*-1.11*	
		For >100, Deduct		*-2.21*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		12.56	
		For >10 To 50, Deduct		*-0.55*	
		For >50 To 100, Deduct		*-1.14*	
		For >100, Deduct		*-2.28*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.79	
		For >10 To 50, Deduct		*-0.65*	
		For >50 To 100, Deduct		*-1.35*	
		For >100, Deduct		*-2.69*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.94	
		For >10 To 50, Deduct		*-0.65*	
		For >50 To 100, Deduct		*-1.35*	
		For >100, Deduct		*-2.70*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		15.00	
		For >10 To 50, Deduct		*-0.65*	
		For >50 To 100, Deduct		*-1.35*	
		For >100, Deduct		*-2.70*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		15.56	
		For >10 To 50, Deduct		*-0.65*	
		For >50 To 100, Deduct		*-1.37*	
		For >100, Deduct		*-2.73*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		21.71	
		For >10 To 50, Deduct		*-0.93*	
		For >50 To 100, Deduct		*-1.93*	
		For >100, Deduct		*-3.86*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		21.83	
		For >10 To 50, Deduct		*-0.93*	
		For >50 To 100, Deduct		*-1.93*	
		For >100, Deduct		*-3.87*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		22.06	
		For >10 To 50, Deduct		*-0.93*	
		For >50 To 100, Deduct		*-1.94*	
		For >100, Deduct		*-3.88*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		22.69	
		For >10 To 50, Deduct		*-0.93*	
		For >50 To 100, Deduct		*-1.96*	
		For >100, Deduct		*-3.91*	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		23.56	
		For >10 To 50, Deduct		*-0.93*	
		For >50 To 100, Deduct		*-1.98*	
		For >100, Deduct		*-3.96*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		29.28	
		For >10 To 50, Deduct		*-1.14*	
		For >50 To 100, Deduct		*-2.45*	
		For >100, Deduct		*-4.89*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		29.47	
		For >10 To 50, Deduct		*-1.14*	
		For >50 To 100, Deduct		*-2.45*	
		For >100, Deduct		*-4.90*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		29.87	
		For >10 To 50, Deduct		*-1.14*	
		For >50 To 100, Deduct		*-2.46*	
		For >100, Deduct		*-4.92*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		30.64	
		For >10 To 50, Deduct		*-1.14*	
		For >50 To 100, Deduct		*-2.48*	
		For >100, Deduct		*-4.96*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		31.42	
		For >10 To 50, Deduct		*-1.14*	
		For >50 To 100, Deduct		*-2.50*	
		For >100, Deduct		*-5.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.53	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.31*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	42.78	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.57*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.70	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.87*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.86	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.87*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	36.80	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.92*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.92	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.99*	
		For >100, Deduct	*-5.98*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.21	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.04*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.11	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.29*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	50.63	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.31*	
		For >100, Deduct	*-6.61*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	57.99	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.49*	
		For >100, Deduct	*-6.98*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	53.79	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.56*	
		For >100, Deduct	*-7.12*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	57.65	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.31*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	62.78	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.57*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	65.18	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-8.99*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	72.47	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.35*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	79.69	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.86*	
		For >100, Deduct	*-9.71*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	85.64	
		For >10 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-5.81*	
		For >100, Deduct	*-11.62*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	90.85	
		For >10 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-5.94*	
		For >100, Deduct	*-11.88*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.15	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.72	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	14.35	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.37*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.13	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.81*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.62	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.97	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	20.63	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.99*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	27.11	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.13*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	28.03	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	28.56	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.21*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.98	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	34.62	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.51*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	40.28	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-5.44*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	42.65	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.56*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	45.21	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.69*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	48.60	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.86*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	63.53	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-6.61*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	48.13	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.49*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	52.93	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.36*	
		For >100, Deduct	*-6.73*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	57.04	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.93*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	57.54	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.96*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	61.39	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-7.15*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	71.39	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.83*	
		For >100, Deduct	*-7.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	85.50	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-4.18*	
		For >100, Deduct	*-8.36*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	85.19	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-4.34*	
		For >100, Deduct	*-8.69*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	125.51	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-6.00*	
		For >100, Deduct	*-12.01*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	146.37	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-6.52*	
		For >100, Deduct	*-13.05*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.64	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.29*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	14.56	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.71	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	19.55	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	19.77	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.77	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.14*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	30.94	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	33.27	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.44*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	37.49	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.65*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	38.54	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.71*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	53.21	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.04*	
		For >100, Deduct	*-6.09*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	54.48	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.15*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	66.22	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.39*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	71.49	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.83*	
		For >100, Deduct	*-7.66*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	24.31	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-3.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	25.83	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.07*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	27.36	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.15*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.12	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	33.84	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.12*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	32.00	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.03*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	44.29	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.30*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	45.97	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.19*	
		For >100, Deduct	*-6.38*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	54.21	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.40*	
		For >100, Deduct	*-6.79*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	55.77	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.26*	
		For >100, Deduct	*-8.52*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	60.52	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.38*	
		For >100, Deduct	*-8.76*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	65.22	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-8.99*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.85	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.13	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.47	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.53	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.35*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.79	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.21	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.68	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.69*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.13	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.68	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.27	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.84*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.78	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.86*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.39	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.89*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.23	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.74*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.12	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.80	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.82*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	29.72	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.91*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.83	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.72*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	34.49	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	35.99	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.88*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.38	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.00*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.97	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.68	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.93	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	28.11	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	32.15	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.38*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	44.82	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.83*	
		For >100, Deduct	*-5.67*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	13.21	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	13.68	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	14.21	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.43*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.15	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.53*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	16.33	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	17.78	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	18.90	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	24.29	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.99*	
		For >100, Deduct	*-3.99*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	25.16	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.03*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	27.71	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	31.02	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	33.89	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.12*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.94	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.27*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	39.63	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.70*	
		For >100, Deduct	*-5.41*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	45.55	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.36*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	48.41	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.25*	
		For >100, Deduct	*-6.50*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*
Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.46	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	20.17	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	25.30	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.28*	
		For >100, Deduct	*-4.55*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	29.43	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.08*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	36.58	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.93*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*
Note: Excludes bolt, nut and washer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	20.92	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	28.76	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.23*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	36.35	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.10*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	47.25	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.99*	
		For >100, Deduct	*-5.97*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	67.22	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-7.47*	
05 05 19 00-0155		Single Bolt Expansion Anchors *(05 05 19 00-0002)*		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	12.26	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	13.30	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.03	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	22.39	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.89*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	33.52	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.55*	
		For >100, Deduct	*-5.10*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	40.77	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.12*	
05 05 19 00-0162		Concrete Lag Shield Anchors *(05 05 19 00-0002)*		
		Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	11.97	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	14.25	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.67*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.08	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	21.20	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.84*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	31.69	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.01*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	34.19	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.79*	
05 05 19 00-0169		Chemical And Adhesive Anchors *(05 05 19 00-0001)*		
05 05 19 00-0170		Chemically Adhered Anchor Rods *(05 05 19 00-0169)*		
		Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	17.44	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	21.01	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.02*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	25.97	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.76*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	31.11	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	33.98	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.24*	
		For >100, Deduct	*-4.47*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	42.08	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.53*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	56.98	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.46*	
		For >100, Deduct	*-6.93*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	70.14	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.96*	
		For >100, Deduct	*-7.92*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	97.76	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-5.31*	
		For >100, Deduct	*-10.62*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	146.56	
		For >10 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-7.28*	
		For >100, Deduct	*-14.55*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	12.71	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	13.98	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.67*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.43	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.12*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	20.07	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.78*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	23.63	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.15*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	30.98	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.60*	
		For >100, Deduct	*-5.19*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	34.96	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.83*	
		For >100, Deduct	*-5.66*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	44.79	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.95*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	50.50	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.82*	
		For >100, Deduct	*-7.63*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	59.92	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-4.39*	
		For >100, Deduct	*-8.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	68.77	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-9.74*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	81.40	
		For >10 To 50, Deduct	*-2.29*	
		For >50 To 100, Deduct	*-5.47*	
		For >100, Deduct	*-10.93*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	107.23	
		For >10 To 50, Deduct	*-2.69*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-13.42*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	171.86	
		For >10 To 50, Deduct	*-3.25*	
		For >50 To 100, Deduct	*-9.16*	
		For >100, Deduct	*-18.33*	
05 05 19 00-0196		Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*		
05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	4.77	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.47*	
		For >100, Deduct	*-0.93*	
05 05 19 00-0198		Other Concrete And Masonry Anchors *(05 05 19 00-0001)*		
05 05 19 00-0199		Tapcon Masonry Screws *(05 05 19 00-0198)*		
		Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	11.47	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.21*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	11.62	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	11.92	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	11.64	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	11.81	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	12.18	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0206		Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*		
		Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	12.28	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	12.77	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	12.90	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.29*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	13.13	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.30*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	13.33	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	13.75	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.33*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	14.27	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	14.75	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	16.09	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.45*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	16.25	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.45*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	17.06	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.49*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	17.90	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	18.44	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	18.20	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.55*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	18.98	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	20.79	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	7.38	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.35*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	7.38	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.35*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	7.49	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.36*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	7.52	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.36*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	1.98	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.32*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.12	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.34*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.32	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.18*	
		For >100, Deduct	*-0.36*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.62	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.39*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.84	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.40*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.54	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.18*	
		For >100, Deduct	*-0.36*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.63	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.46*	

05 05 19 00-0237 TITEN HD Screw Anchor *(05 05 19)*

05 05 19 00-0238	EA	1/2" x 6" TITEN HD Screw Anchor With Stainless Steel Washer Note: Includes drilling 1/2" diameter holes to proper depth in the edge of the concrete, removal of dust from hole, and installing self-threading screw.	38.14	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Welding Minimum Charge Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	487.51	

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.22	
		For Aluminum Welding, Add	*1.94*	
		For Stainless Steel Welding, Add	*3.18*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	9.54	
		For Aluminum Welding, Add	*1.53*	
		For Stainless Steel Welding, Add	*2.51*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	7.93	
		For Aluminum Welding, Add	*1.69*	
		For Stainless Steel Welding, Add	*2.61*	
		For Up To 25, Add	*2.57*	
		For >25 To 50, Add	*1.82*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	15.24	
		For Aluminum Welding, Add	*2.90*	
		For Stainless Steel Welding, Add	*4.58*	
		For Up To 25, Add	*5.08*	
		For >25 To 50, Add	*3.61*	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	22.88	
		For Aluminum Welding, Add	*4.37*	
		For Stainless Steel Welding, Add	*6.89*	
		For Up To 25, Add	*7.62*	
		For >25 To 50, Add	*5.41*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	30.20	
		For Aluminum Welding, Add	*5.79*	
		For Stainless Steel Welding, Add	*9.13*	
		For Up To 25, Add	*10.05*	
		For >25 To 50, Add	*7.13*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	38.12	
		For Aluminum Welding, Add	*7.27*	
		For Stainless Steel Welding, Add	*11.47*	
		For Up To 25, Add	*12.69*	
		For >25 To 50, Add	*9.01*	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	44.14	
		For Aluminum Welding, Add	*7.85*	
		For Stainless Steel Welding, Add	*12.57*	
		For Up To 25, Add	*14.94*	
		For >25 To 50, Add	*10.63*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	52.14	
		For Aluminum Welding, Add	*9.99*	
		For Stainless Steel Welding, Add	*15.74*	
		For Up To 25, Add	*17.35*	
		For >25 To 50, Add	*12.31*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	60.75	
		For Aluminum Welding, Add	*11.05*	
		For Stainless Steel Welding, Add	*17.61*	
		For Up To 25, Add	*20.46*	
		For >25 To 50, Add	*14.54*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	70.46	
		For Aluminum Welding, Add	*12.87*	
		For Stainless Steel Welding, Add	*20.49*	
		For Up To 25, Add	*23.70*	
		For >25 To 50, Add	*16.85*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld		95.42	
		For Aluminum Welding, Add		*18.26*	
		For Stainless Steel Welding, Add		*28.79*	
		For Up To 25, Add		*31.75*	
		For >25 To 50, Add		*22.54*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld		140.58	
		For Aluminum Welding, Add		*25.49*	
		For Stainless Steel Welding, Add		*40.64*	
		For Up To 25, Add		*47.37*	
		For >25 To 50, Add		*33.68*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld		189.96	
		For Aluminum Welding, Add		*35.87*	
		For Stainless Steel Welding, Add		*56.71*	
		For Up To 25, Add		*63.41*	
		For >25 To 50, Add		*45.03*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld		6.72	
		For Aluminum Welding, Add		*1.51*	
		For Stainless Steel Welding, Add		*2.30*	
		For Up To 25, Add		*2.14*	
		For >25 To 50, Add		*1.51*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld		12.96	
		For Aluminum Welding, Add		*2.59*	
		For Stainless Steel Welding, Add		*4.05*	
		For Up To 25, Add		*4.27*	
		For >25 To 50, Add		*3.02*	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld		19.39	
		For Aluminum Welding, Add		*3.88*	
		For Stainless Steel Welding, Add		*6.06*	
		For Up To 25, Add		*6.38*	
		For >25 To 50, Add		*4.52*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld		25.64	
		For Aluminum Welding, Add		*5.17*	
		For Stainless Steel Welding, Add		*8.07*	
		For Up To 25, Add		*8.42*	
		For >25 To 50, Add		*5.97*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld		32.33	
		For Aluminum Welding, Add		*6.46*	
		For Stainless Steel Welding, Add		*10.10*	
		For Up To 25, Add		*10.64*	
		For >25 To 50, Add		*7.54*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld		37.25	
		For Aluminum Welding, Add		*6.88*	
		For Stainless Steel Welding, Add		*10.93*	
		For Up To 25, Add		*12.50*	
		For >25 To 50, Add		*8.88*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld		44.19	
		For Aluminum Welding, Add		*8.89*	
		For Stainless Steel Welding, Add		*13.88*	
		For Up To 25, Add		*14.52*	
		For >25 To 50, Add		*10.29*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld		51.42	
		For Aluminum Welding, Add		*9.78*	
		For Stainless Steel Welding, Add		*15.44*	
		For Up To 25, Add		*17.13*	
		For >25 To 50, Add		*12.17*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld		59.99	
		For Aluminum Welding, Add		*11.68*	
		For Stainless Steel Welding, Add		*18.35*	
		For Up To 25, Add		*19.88*	
		For >25 To 50, Add		*14.10*	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld		80.96	
		For Aluminum Welding, Add		*16.28*	
		For Stainless Steel Welding, Add		*25.42*	
		For Up To 25, Add		*26.61*	
		For >25 To 50, Add		*18.86*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld		117.89	
		For Aluminum Welding, Add		*21.79*	
		For Stainless Steel Welding, Add		*34.61*	
		For Up To 25, Add		*39.55*	
		For >25 To 50, Add		*28.10*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld		160.56	
		For Aluminum Welding, Add		*31.81*	
		For Stainless Steel Welding, Add		*49.80*	
		For Up To 25, Add		*52.98*	
		For >25 To 50, Add		*37.56*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel,

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

concrete, brick or block. See CSI section 02 41 19 13-0279 for drilling into concrete, 02 41 19 13-0294 for drilling into brick or block, 02 41 19 13-0309 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.23	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	15.89	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	15.93	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	19.07	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	18.72	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	22.54	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.07*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	28.97	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	31.18	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	22.64	1.47
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	27.52	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.67	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.77*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	47.52	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.62*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	55.74	2.03
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.32*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	62.88	2.18
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.86*	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.04	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.45*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.43	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.94	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.60*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	21.08	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	21.01	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	26.76	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	36.25	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.84*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	42.96	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.29*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	28.62	1.47
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	34.26	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	41.37	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.21*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	63.29	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	62.79	2.03
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.67*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	79.22	2.18
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-3.34*	
		For >100, Deduct	*-6.68*	

05 05 23 00-0033 A325 High Strength Structural Bolts *(05 05 23 00-0001)*

05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	13.84	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	14.21	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	15.39	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.47*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	19.10	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	22.48	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	17.01	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.55*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	20.84	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	24.01	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.23*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	30.14	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	19.96	1.47
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	24.67	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	28.45	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	30.94	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.79*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	22.26	1.53
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.03*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	27.07	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	31.72	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.83*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	41.43	1.91
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.46*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	39.37	1.91
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	44.90	2.03
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	53.13	2.18
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.37*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	62.86	2.32
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.04*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	14.58	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.43*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	14.84	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.93	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.55*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	20.20	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.95*	
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	21.42	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.10*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	17.73	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.74	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.03*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	25.41	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	33.45	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.81*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	24.23	1.47
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	27.19	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.39*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	31.51	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.12	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.25*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	25.58	1.53
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	34.68	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.87*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	38.10	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.15*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	49.28	1.91
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.86*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	48.96	1.91
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.84*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	52.22	2.03
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.57*	
		For >100, Deduct	*-5.15*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	61.53	2.18
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.79*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	71.62	2.32
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.48*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	15.97	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	23.09	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.10*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	24.77	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.27*	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	18.22	1.36
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.61*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	22.22	1.55
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	26.23	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	34.45	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.86*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	21.35	1.47
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	25.11	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	37.44	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.01*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	25.51	1.53
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	30.71	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.67*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	35.65	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.03*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	45.17	1.91
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.65*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	58.74	2.03
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.47*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	61.75	2.18
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	64.34	2.32
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.12*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.97	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.00	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.57	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.05	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.79	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.05	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.08	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.49	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.04	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.05	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.15	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.18	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.67	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.04	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.43	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.47	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.87	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.08	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.72	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.41	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.02	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.44	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.90	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.22	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.13	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.12	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.22	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.99	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.57	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0206		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.42	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.51	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.96	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.77	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.06	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.81	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.82	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.55	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.30	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0226		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.03	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.80	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.48	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.63	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.01	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.64	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.42	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.64	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.42	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.46	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.47	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.70	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.18	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.07	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.00	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.30	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.02	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.78	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.21	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.23	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.45	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.49	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.51	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.67	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.75	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.75	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.81	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0266		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.68	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.93	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.41	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.75	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.33	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.63	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.97	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.84	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.49	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.62	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.93	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.05	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.21	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.34	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	33.65	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	34.81	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	35.99	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.53	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.90	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.49	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.01	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.31	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.15	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.19	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.40	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.95	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.65	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.51	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.21	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.38	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.03	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.29	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.21	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.58	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.90	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.77	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.35	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.86	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.40	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.79	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.97	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.32	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.69	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.68	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.22	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.41	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.59	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.52	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.83	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.34	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.21	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.78	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.46	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.44	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.51	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.14	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.19	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.38	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.77	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.15	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.09	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.62	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.08	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.74	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.55	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.31	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.51	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.80	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.80	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.95	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.29	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.26	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.95	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.57	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.77	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.49	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.76	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.96	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.99	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.67	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.52	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.56	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.23	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.31	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.93	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.74	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.29	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.08	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.52	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.96	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.20	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.07	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.08	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.75	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.45	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.64	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.54	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.17	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.91	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.12	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.45	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.86	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.95	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.18	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.55	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.73	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.91	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.20	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.28	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.23	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.20	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.92	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.03	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.17	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.84	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.23	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.58	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.90	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.58	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.06	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.76	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	39.88	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	40.51	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	42.20	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	43.36	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.06	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.18	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.91	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.12	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.86	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.04	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.51	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.17	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.47	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.17	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.27	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.85	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.92	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0507		3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*		
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.41	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.06	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.21	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.05	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.26	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.83	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0524		7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*		
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.64	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.65	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.48	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.87	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.98	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.90	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.62	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.15	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.99	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.95	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.44	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.48	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.27	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.68	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.65	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.81	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.98	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.86	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.21	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.32	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.16	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.43	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.24	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.65	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.09	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.77	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.24	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.23	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.77	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.90	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.38	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.58	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.79	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.96	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.02	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.89	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.09	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.70	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.12	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.02	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.12	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.76	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.55	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.41	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.01	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.15	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.01	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.45	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.76	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.32	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.43	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.84	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.76	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.29	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.86	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.04	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.57	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.40	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.38	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.85	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.29	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.00	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.42	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.24	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.78	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.22	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.66	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.04	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.96	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.60	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.38	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.37	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.23	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.91	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.51	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.65	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.86	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.76	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.23	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.11	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.16	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.03	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.92	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.39	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	48.23	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	50.58	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0660		EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.86	
			For >100 To 250, Deduct	*-1.41*	
			For >250 To 500, Deduct	*-1.76*	
			For >500, Deduct	*-2.11*	
05 05 23 00-0661		EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.02	
			For >100 To 250, Deduct	*-1.41*	
			For >250 To 500, Deduct	*-1.76*	
			For >500, Deduct	*-2.11*	
05 05 23 00-0662		EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.09	
			For >100 To 250, Deduct	*-1.41*	
			For >250 To 500, Deduct	*-1.76*	
			For >500, Deduct	*-2.11*	
05 05 23 00-0663		EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.31	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-1.81*	
			For >500, Deduct	*-2.17*	
05 05 23 00-0664		EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.50	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-1.81*	
			For >500, Deduct	*-2.17*	
05 05 23 00-0665		EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.55	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-1.81*	
			For >500, Deduct	*-2.17*	
05 05 23 00-0666		EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
			For >100 To 250, Deduct	*-1.48*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.23*	
05 05 23 00-0667		EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.04	
			For >100 To 250, Deduct	*-1.48*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.23*	
05 05 23 00-0668		EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.10	
			For >100 To 250, Deduct	*-1.48*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.23*	
05 05 23 00-0669		EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.44	
			For >100 To 250, Deduct	*-1.52*	
			For >250 To 500, Deduct	*-1.90*	
			For >500, Deduct	*-2.28*	
05 05 23 00-0670		EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
			For >100 To 250, Deduct	*-1.52*	
			For >250 To 500, Deduct	*-1.90*	
			For >500, Deduct	*-2.28*	
05 05 23 00-0671		EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.48	
			For >100 To 250, Deduct	*-1.52*	
			For >250 To 500, Deduct	*-1.90*	
			For >500, Deduct	*-2.28*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673		EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.10	
			For >100 To 250, Deduct	*-1.37*	
			For >250 To 500, Deduct	*-1.71*	
			For >500, Deduct	*-2.05*	
05 05 23 00-0674		EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.62	
			For >100 To 250, Deduct	*-1.37*	
			For >250 To 500, Deduct	*-1.71*	
			For >500, Deduct	*-2.05*	
05 05 23 00-0675		EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.67	
			For >100 To 250, Deduct	*-1.37*	
			For >250 To 500, Deduct	*-1.71*	
			For >500, Deduct	*-2.05*	
05 05 23 00-0676		EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.69	
			For >100 To 250, Deduct	*-1.37*	
			For >250 To 500, Deduct	*-1.71*	
			For >500, Deduct	*-2.05*	
05 05 23 00-0677		EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.12	
			For >100 To 250, Deduct	*-1.41*	
			For >250 To 500, Deduct	*-1.76*	
			For >500, Deduct	*-2.11*	
05 05 23 00-0678		EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
			For >100 To 250, Deduct	*-1.41*	
			For >250 To 500, Deduct	*-1.76*	
			For >500, Deduct	*-2.11*	
05 05 23 00-0679		EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.71	
			For >100 To 250, Deduct	*-1.41*	
			For >250 To 500, Deduct	*-1.76*	
			For >500, Deduct	*-2.11*	
05 05 23 00-0680		EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.05	
			For >100 To 250, Deduct	*-1.45*	
			For >250 To 500, Deduct	*-1.81*	
			For >500, Deduct	*-2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.09	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.79	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.38	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.16	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.43	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.65	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.04	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.61	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.01	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.26	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.69	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.09	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.57	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.02	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.29	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.64	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.81	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0738		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*		
05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.80	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.18	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.51	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.49	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.74	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.45	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.96	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.87	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.68	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.53	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.67	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.39	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.04	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.12	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.30	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.62	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.22	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.33	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.48	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.94	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.83	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.32	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.59	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.73	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0778		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*		
05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.55	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.60	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.46	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.62	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.22	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0786		EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.98	
			For >100 To 250, Deduct	*-2.03*	
			For >250 To 500, Deduct	*-2.54*	
			For >500, Deduct	*-3.05*	
05 05 23 00-0787		EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.72	
			For >100 To 250, Deduct	*-2.07*	
			For >250 To 500, Deduct	*-2.59*	
			For >500, Deduct	*-3.11*	
05 05 23 00-0788		EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.31	
			For >100 To 250, Deduct	*-2.07*	
			For >250 To 500, Deduct	*-2.59*	
			For >500, Deduct	*-3.11*	
05 05 23 00-0789		EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.03	
			For >100 To 250, Deduct	*-2.07*	
			For >250 To 500, Deduct	*-2.59*	
			For >500, Deduct	*-3.11*	
05 05 23 00-0790		EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.87	
			For >100 To 250, Deduct	*-2.11*	
			For >250 To 500, Deduct	*-2.64*	
			For >500, Deduct	*-3.16*	
05 05 23 00-0791		EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.97	
			For >100 To 250, Deduct	*-2.11*	
			For >250 To 500, Deduct	*-2.64*	
			For >500, Deduct	*-3.16*	
05 05 23 00-0792		EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.23	
			For >100 To 250, Deduct	*-2.11*	
			For >250 To 500, Deduct	*-2.64*	
			For >500, Deduct	*-3.16*	
05 05 23 00-0793		EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.74	
			For >100 To 250, Deduct	*-2.15*	
			For >250 To 500, Deduct	*-2.69*	
			For >500, Deduct	*-3.22*	
05 05 23 00-0794		EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.35	
			For >100 To 250, Deduct	*-2.15*	
			For >250 To 500, Deduct	*-2.69*	
			For >500, Deduct	*-3.22*	
05 05 23 00-0795		EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.11	
			For >100 To 250, Deduct	*-2.15*	
			For >250 To 500, Deduct	*-2.69*	
			For >500, Deduct	*-3.22*	
05 05 23 00-0796		EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.83	
			For >100 To 250, Deduct	*-2.15*	
			For >250 To 500, Deduct	*-2.69*	
			For >500, Deduct	*-3.22*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798		EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.38	
			For >100 To 250, Deduct	*-1.95*	
			For >250 To 500, Deduct	*-2.44*	
			For >500, Deduct	*-2.93*	
05 05 23 00-0799		EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.75	
			For >100 To 250, Deduct	*-1.99*	
			For >250 To 500, Deduct	*-2.49*	
			For >500, Deduct	*-2.99*	
05 05 23 00-0800		EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.77	
			For >100 To 250, Deduct	*-1.99*	
			For >250 To 500, Deduct	*-2.49*	
			For >500, Deduct	*-2.99*	
05 05 23 00-0801		EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.58	
			For >100 To 250, Deduct	*-1.99*	
			For >250 To 500, Deduct	*-2.49*	
			For >500, Deduct	*-2.99*	
05 05 23 00-0802		EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.61	
			For >100 To 250, Deduct	*-2.03*	
			For >250 To 500, Deduct	*-2.54*	
			For >500, Deduct	*-3.05*	
05 05 23 00-0803		EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.03	
			For >100 To 250, Deduct	*-2.03*	
			For >250 To 500, Deduct	*-2.54*	
			For >500, Deduct	*-3.05*	
05 05 23 00-0804		EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.22	
			For >100 To 250, Deduct	*-2.03*	
			For >250 To 500, Deduct	*-2.54*	
			For >500, Deduct	*-3.05*	
05 05 23 00-0805		EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.54	
			For >100 To 250, Deduct	*-2.07*	
			For >250 To 500, Deduct	*-2.59*	
			For >500, Deduct	*-3.11*	
05 05 23 00-0806		EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.98	
			For >100 To 250, Deduct	*-2.07*	
			For >250 To 500, Deduct	*-2.59*	
			For >500, Deduct	*-3.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.03	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.98	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.68	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.35	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.06	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.42	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	37.45	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	38.98	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.09	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.37	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.55	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.40	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.75	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.59	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.46	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.07	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.66	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.79	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.18	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.73	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.69	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.14	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.54	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.79	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.57	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.78	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.16	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.53	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.11	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.41	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.78	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.60	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.20	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.30	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.74	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.07	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.56	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.31	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.51	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.81	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.37	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.28	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.44	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.74	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.87	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.65	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.88	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.10	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.59	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.98	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.36	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.74	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.97	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.87	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.85	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.23	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.65	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.40	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.95	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.06	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.68	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.41	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.50	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.63	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.17	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.18	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.63	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.64	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.66	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.28	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.39	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.86	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.21	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.33	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.75	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.85	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.52	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.95	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.31	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.93	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.31	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.31	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.62	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.23	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.68	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.12	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.76	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.02	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.84	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.91	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.02	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.99	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.71	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.07	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.26	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.79	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.92	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.99	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.35	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.53	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.02	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.11	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.63	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.45	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.71	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.51	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.00	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.02	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.13	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.75	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.40	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	63.61	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.81	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	80.77	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	90.98	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	95.71	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	100.42	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.55	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.37	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.26	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.55	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.30	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.71	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.33	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.19	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.03	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.24	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.61	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	77.93	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	79.88	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	81.84	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.94	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	91.94	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	119.15	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	150.85	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.47	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.97	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.39	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.54	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.80	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	21.33	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	33.06	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	58.49	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	64.29	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.19	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.51	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	11.39	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.96	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.05	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	34.76	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1022		3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.72	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.85	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.57	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.05*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.48	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.93	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.17*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.44	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.23*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	22.14	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.49	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	37.42	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1039		7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.32	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.69	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.94	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	21.28	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.67	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	22.49	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.25	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	23.83	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.42	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	25.08	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	13.65	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.21	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.48	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.79	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.51	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.95	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	24.91	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.49	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.27	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.41	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.70	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.35	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	43.75	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-2.58*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.57	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	63.07	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.30	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	66.22	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	32.23	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.92	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	43.95	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.34*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.20	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	54.53	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.86	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.40*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	63.37	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	67.77	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	71.67	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.46*	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	73.05	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	76.49	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1085		5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	16.84	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.07	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.15	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.88	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.47	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.49	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	26.73	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.13	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	32.65	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.74	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	36.99	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.69	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	47.65	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.63	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	52.22	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.66	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	58.71	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	73.24	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	88.77	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1105		3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	22.95	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.50	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	25.59	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-2.64*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.61	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	31.52	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.79	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.69*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	38.80	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.79	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	41.89	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-2.75*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.55	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.05	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.75	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	65.07	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	73.75	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	75.05	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-2.87*	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	80.47	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	93.62	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	94.73	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	97.50	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.91	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	29.53	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.70	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	36.76	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.03	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	41.21	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.27	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	51.17	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.55	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	53.83	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	73.13	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	81.84	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	91.00	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	95.51	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	101.57	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	105.49	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	109.38	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	113.76	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	33.86	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.63	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	43.36	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.32	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-2.99*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	51.64	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.68	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	59.76	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.05*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.07	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	74.61	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	85.01	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.11*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	99.42	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.37	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	113.09	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	117.19	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	118.84	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	138.68	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	157.84	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.22*	

05 05 23 00-1162 Screws *(05 05 23)*

05 05 23 00-1168 Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*

Note: Includes Climaseal® finish, self-drill point and tapping threads.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	3.77	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.34*	
		For >100, Deduct	*-0.68*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.96	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.34*	
		For >100, Deduct	*-0.69*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.45	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	6.20	
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	6.63	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.51*	
		For >100, Deduct	*-1.01*	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	8.35	
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.13*	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.40	
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.22*	
05 05 23 00-1171		Security Screws *(05 05 23 00-1162)*		
05 05 23 00-1172		304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*		
		Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.94	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.28*	
		For >100, Deduct	*-0.56*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.50	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.29*	
		For >100, Deduct	*-0.58*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.98	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.30*	
		For >100, Deduct	*-0.61*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.15	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.62*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.46	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.63*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.63	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.30*	
		For >100, Deduct	*-0.59*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.86	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.30*	
		For >100, Deduct	*-0.60*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.33	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.63*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.48	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.63*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.77	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.30*	
		For >100, Deduct	*-0.60*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.83	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.30*	
		For >100, Deduct	*-0.60*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.04	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.61*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.69	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.64*	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.15	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.62*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.29	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.31*	
		For >100, Deduct	*-0.62*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.92	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.33*	
		For >100, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.90	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.70*	
05 05 23 00-1190		**Threaded Rod** *(05 05 23)*		
		Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.		
05 05 23 00-1191		**Plain Finish Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.17	0.54
		For Left Hand Threaded Rod, Add	*0.21*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.34	0.59
		For Left Hand Threaded Rod, Add	*0.32*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.06	0.69
		For Left Hand Threaded Rod, Add	*0.37*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.16	0.70
		For Left Hand Threaded Rod, Add	*0.58*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.34	0.73
		For Left Hand Threaded Rod, Add	*0.59*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.33	0.74
		For Left Hand Threaded Rod, Add	*0.79*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.63	0.75
		For Left Hand Threaded Rod, Add	*0.91*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.14	0.77
		For Left Hand Threaded Rod, Add	*1.66*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.83	0.80
		For Left Hand Threaded Rod, Add	*1.82*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.41	0.90
		For Left Hand Threaded Rod, Add	*2.56*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.31	1.00
		For Left Hand Threaded Rod, Add	*3.23*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	45.83	1.09
		For Left Hand Threaded Rod, Add	*4.36*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	57.37	1.18
		For Left Hand Threaded Rod, Add	*5.50*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	68.89	1.23
		For Left Hand Threaded Rod, Add	*6.64*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	84.83	1.29
		For Left Hand Threaded Rod, Add	*8.23*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	108.81	1.35
		For Left Hand Threaded Rod, Add	*10.61*	
05 05 23 00-1208		**Zinc Plated Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.20	0.54
		For Left Hand Threaded Rod, Add	*0.21*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.03	0.59
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.58	0.69
		For Left Hand Threaded Rod, Add	*0.42*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.47	0.70
		For Left Hand Threaded Rod, Add	*0.71*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.16	0.73
		For Left Hand Threaded Rod, Add	*0.77*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	12.32	0.74
		For Left Hand Threaded Rod, Add	*1.09*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.12	0.75
		For Left Hand Threaded Rod, Add	*1.16*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.28	0.77
		For Left Hand Threaded Rod, Add	*1.87*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	26.57	0.80
		For Left Hand Threaded Rod, Add	*2.50*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.91	0.90
		For Left Hand Threaded Rod, Add	*3.41*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	46.60	1.00
		For Left Hand Threaded Rod, Add	*4.46*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	55.71	1.09
		For Left Hand Threaded Rod, Add	*5.35*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	63.50	1.18
		For Left Hand Threaded Rod, Add	*6.11*	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	80.33	1.23
		For Left Hand Threaded Rod, Add	*7.79*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	99.90	1.29
		For Left Hand Threaded Rod, Add	*9.73*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	146.58	1.35
		For Left Hand Threaded Rod, Add	*14.39*	
05 05 23 00-1225		**Hot Dipped Galvanized Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.86	0.69
		For Left Hand Threaded Rod, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	14.15	0.73
		For Left Hand Threaded Rod, Add	*1.27*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	19.45	0.75
		For Left Hand Threaded Rod, Add	*1.80*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	27.09	0.77
		For Left Hand Threaded Rod, Add	*2.56*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	37.91	0.80
		For Left Hand Threaded Rod, Add	*3.63*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	49.11	0.90
		For Left Hand Threaded Rod, Add	*4.73*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	64.89	1.00
		For Left Hand Threaded Rod, Add	*6.29*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	85.63	1.09
		For Left Hand Threaded Rod, Add	*8.34*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	95.83	1.18
		For Left Hand Threaded Rod, Add	*9.35*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	114.33	1.23
		For Left Hand Threaded Rod, Add	*11.19*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	139.22	1.29
		For Left Hand Threaded Rod, Add	*13.66*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	244.38	1.35
		For Left Hand Threaded Rod, Add	*24.17*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.04	0.54
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.23	0.59
		For Left Hand Threaded Rod, Add	*0.50*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.08	0.69
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.41	0.70
		For Left Hand Threaded Rod, Add	*1.00*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.77	0.73
		For Left Hand Threaded Rod, Add	*1.23*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.03	0.74
		For Left Hand Threaded Rod, Add	*1.86*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.92	0.75
		For Left Hand Threaded Rod, Add	*1.94*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.51	0.77
		For Left Hand Threaded Rod, Add	*2.80*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.78	0.80
		For Left Hand Threaded Rod, Add	*3.92*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.40	0.90
		For Left Hand Threaded Rod, Add	*5.06*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	111.51	1.09
		For Left Hand Threaded Rod, Add	*10.93*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	170.15	1.23
		For Left Hand Threaded Rod, Add	*16.77*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	175.01	1.29
		For Left Hand Threaded Rod, Add	*17.24*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	242.48	1.35
		For Left Hand Threaded Rod, Add	*23.98*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	6.03	0.54
		For Left Hand Threaded Rod, Add	*0.49*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	9.91	0.59
		For Left Hand Threaded Rod, Add	*0.87*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	13.23	0.69
		For Left Hand Threaded Rod, Add	*1.19*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	20.93	0.70
		For Left Hand Threaded Rod, Add	*1.95*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	22.21	0.73
		For Left Hand Threaded Rod, Add	*2.08*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	29.30	0.74
		For Left Hand Threaded Rod, Add	*2.78*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	31.56	0.75
		For Left Hand Threaded Rod, Add	*3.01*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	46.26	0.77
		For Left Hand Threaded Rod, Add	*4.47*	
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	63.52	0.80
		For Left Hand Threaded Rod, Add	*6.19*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	80.46	0.90
		For Left Hand Threaded Rod, Add	*7.87*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	170.45	1.09
		For Left Hand Threaded Rod, Add	*16.82*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	223.60	1.23
		For Left Hand Threaded Rod, Add	*22.11*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.11	0.54
		For Zinc Plating, Add	*2.51*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.79	0.59
		For Zinc Plating, Add	*4.30*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.16	0.69
		For Zinc Plating, Add	*4.41*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.17	0.70
		For Zinc Plating, Add	*4.89*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	12.38	0.73
		For Zinc Plating, Add	*5.47*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	15.73	0.74
		For Zinc Plating, Add	*7.13*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.25	0.75
		For Zinc Plating, Add	*7.38*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.94	0.77
		For Zinc Plating, Add	*10.20*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	26.50	0.80
		For Zinc Plating, Add	*12.46*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	34.59	0.90
		For Zinc Plating, Add	*16.40*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	45.29	1.00
		For Zinc Plating, Add	*21.64*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	50.39	1.09
		For Zinc Plating, Add	*24.07*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	58.36	1.18
		For Zinc Plating, Add	*28.00*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	71.30	1.23
		For Zinc Plating, Add	*34.42*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	73.68	1.29
		For Zinc Plating, Add	*35.55*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	99.52	1.35
		For Zinc Plating, Add	*48.41*	

05 05 23 00-1283 Nuts And Washers *(05 05 23)*

05 05 23 00-1284 Hex Nuts *(05 05 23 00-1283)*

05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.62	0.27
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.70	0.27
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.27
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.88	0.27
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.96	0.27
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.32	0.27
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.37	0.27
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.64	0.54
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.48	0.54
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.18	0.54
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.31	0.54
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	6.52	0.54
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	9.71	0.54
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.27	0.82
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	16.68	0.82
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	24.23	0.82

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.64	0.27
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.71	0.27
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.77	0.27
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.92	0.27
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.10	0.27
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.36	0.27
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.40	0.27
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.88	0.54
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.72	0.54
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.90	0.54
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.03	0.54
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	8.59	0.54
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.74	0.54
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	14.08	0.82
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	25.64	0.82
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	36.88	0.82

05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.66	0.27
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.77	0.27
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.83	0.27
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.08	0.27
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.31	0.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.60	0.27
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.84	0.27
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.32	0.54
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.56	0.54
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.79	0.54
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.59	0.54
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	9.50	0.54
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	15.80	0.54
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	16.77	0.82
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	25.71	0.82
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	36.47	0.82
05 05 23 00-1336		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.66	0.27
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.75	0.27
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.27
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.05	0.27
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.22	0.27
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.38	0.27
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.54	0.27
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.10	0.54
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.12	0.54
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.36	0.54
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.33	0.54
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	9.43	0.54
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.13	0.54
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	16.51	0.82
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	29.00	0.82
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	50.38	0.82
05 05 23 00-1353		304 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.78	0.27
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.95	0.27
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.07	0.27
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.72	0.27
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.86	0.27
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	2.98	0.27
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	3.35	0.27
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	3.88	0.54
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	6.55	0.54
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	10.15	0.54
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	24.80	0.54
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	48.05	0.82
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	84.87	0.82
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	121.18	0.82
05 05 23 00-1368		316 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.95	0.27
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.09	0.27
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.33	0.27
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.34	0.27
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.51	0.27
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.52	0.27
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	4.01	0.27
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	5.69	0.54
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	8.04	0.54
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	12.51	0.54
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	38.73	0.54
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	62.90	0.82
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	106.49	0.82
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	198.43	0.82
05 05 23 00-1383		Flat Washers *(05 05 23 00-1283)*		
05 05 23 00-1384		Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.09	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.16	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.24	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.34	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.39	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.66	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.95	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.13	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.39	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.57	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.95	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.02	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.47	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	5.56	
05 05 23 00-1401		Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.20	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.28	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.32	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.44	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.59	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.95	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.36	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.92	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.21	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.56	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.18	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.65	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.45	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	8.52	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.45	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	13.74	
05 05 23 00-1418		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.13	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.19	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.21	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.40	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.51	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.84	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.94	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.42	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.00	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.20	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.36	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.74	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.34	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.79	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	8.40	
05 05 23 00-1434		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.18	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.25	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.35	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.64	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.17	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.46	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.15	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.19	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.61	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.84	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.80	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.32	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.74	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.43	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	11.72	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	23.03	
05 05 23 00-1451		316 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.36	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.39	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.70	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.82	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.52	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.73	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.22	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.06	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.29	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	7.03	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	8.01	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	9.86	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	10.43	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	10.66	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	15.63	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1467		Lock Washers *(05 05 23 00-1283)*		
05 05 23 00-1468		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.13	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.22	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.38	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.63	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.14	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.66	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.55	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.03	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.75	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.47	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.54	
05 05 23 00-1485		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.12	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.16	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.28	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.44	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.73	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.05	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.66	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.01	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.59	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.18	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.92	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.01	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	10.91	
05 05 23 00-1502		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.30	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.56	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.62	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.51	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.78	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.07	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.75	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.29	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.24	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.29	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	15.63	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	18.75	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.19	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.41	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.47	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.81	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.90	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.61	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.76	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.05	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	5.04	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	6.86	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	9.57	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	14.73	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	26.37	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	29.28	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.76	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.13	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.37	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.83	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.63	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.69	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.94	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.69	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	13.95	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.50	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.89	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.79	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.63	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.48	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.26	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.40	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	14.79	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	16.27	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.56	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.66	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.76	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	5.79	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	6.09	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.56	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.85	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.85	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	7.25	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	7.71	
05 05 23 00-1567		Drilling In Existing Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	23.18	
		For Aluminum, Deduct	*-2.32*	
		For Stainless Steel, Add	*2.90*	
		For >5 To 10, Deduct	*-2.32*	
		For >10 To 25, Deduct	*-5.80*	
		For >25 To 50, Deduct	*-8.11*	
		For >50, Deduct	*-11.59*	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	27.27	
		For Aluminum, Deduct	*-2.73*	
		For Stainless Steel, Add	*3.41*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-6.82*	
		For >25 To 50, Deduct	*-9.54*	
		For >50, Deduct	*-13.64*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	32.72	
		For Aluminum, Deduct	*-3.27*	
		For Stainless Steel, Add	*4.09*	
		For >5 To 10, Deduct	*-3.27*	
		For >10 To 25, Deduct	*-8.18*	
		For >25 To 50, Deduct	*-11.45*	
		For >50, Deduct	*-16.36*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	38.17	
		For Aluminum, Deduct	*-3.82*	
		For Stainless Steel, Add	*4.77*	
		For >5 To 10, Deduct	*-3.82*	
		For >10 To 25, Deduct	*-9.54*	
		For >25 To 50, Deduct	*-13.36*	
		For >50, Deduct	*-19.09*	
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	51.13	
		For Aluminum, Deduct	*-5.11*	
		For Stainless Steel, Add	*6.39*	
		For >5 To 10, Deduct	*-5.11*	
		For >10 To 25, Deduct	*-12.78*	
		For >25 To 50, Deduct	*-17.90*	
		For >50, Deduct	*-25.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	27.27	
		For Aluminum, Deduct	*-2.73*	
		For Stainless Steel, Add	*3.41*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-6.82*	
		For >25 To 50, Deduct	*-9.54*	
		For >50, Deduct	*-13.64*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	34.09	
		For Aluminum, Deduct	*-3.41*	
		For Stainless Steel, Add	*4.26*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-8.52*	
		For >25 To 50, Deduct	*-11.93*	
		For >50, Deduct	*-17.05*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	40.90	
		For Aluminum, Deduct	*-4.09*	
		For Stainless Steel, Add	*5.11*	
		For >5 To 10, Deduct	*-4.09*	
		For >10 To 25, Deduct	*-10.23*	
		For >25 To 50, Deduct	*-14.32*	
		For >50, Deduct	*-20.45*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	51.13	
		For Aluminum, Deduct	*-5.11*	
		For Stainless Steel, Add	*6.39*	
		For >5 To 10, Deduct	*-5.11*	
		For >10 To 25, Deduct	*-12.78*	
		For >25 To 50, Deduct	*-17.90*	
		For >50, Deduct	*-25.57*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	34.09	
		For Aluminum, Deduct	*-3.41*	
		For Stainless Steel, Add	*4.26*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-8.52*	
		For >25 To 50, Deduct	*-11.93*	
		For >50, Deduct	*-17.05*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	44.99	
		For Aluminum, Deduct	*-4.50*	
		For Stainless Steel, Add	*5.62*	
		For >5 To 10, Deduct	*-4.50*	
		For >10 To 25, Deduct	*-11.25*	
		For >25 To 50, Deduct	*-15.75*	
		For >50, Deduct	*-22.50*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	54.54	
		For Aluminum, Deduct	*-5.45*	
		For Stainless Steel, Add	*6.82*	
		For >5 To 10, Deduct	*-5.45*	
		For >10 To 25, Deduct	*-13.64*	
		For >25 To 50, Deduct	*-19.09*	
		For >50, Deduct	*-27.27*	

05 05 23 00-1580 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1581	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.69
05 05 23 00-1582	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.80
05 05 23 00-1583	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.85
05 05 23 00-1584	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.89
05 05 23 00-1585	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.57
05 05 23 00-1586	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.84
05 05 23 00-1587	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.11
05 05 23 00-1588	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.25
05 05 23 00-1589	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.39
05 05 23 00-1590	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.95
05 05 23 00-1591	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.41
05 05 23 00-1592	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.78
05 05 23 00-1593	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.65
05 05 23 00-1594	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.69
05 05 23 00-1595	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.11
05 05 23 00-1596	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.51
05 05 23 00-1597	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.00
05 05 23 00-1598	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.76
05 05 23 00-1599	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.25
05 05 23 00-1600	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	9.59
05 05 23 00-1601	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	12.12
05 05 23 00-1602	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.20
05 05 23 00-1603	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.84
05 05 23 00-1604	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.36
05 05 23 00-1605	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.88
05 05 23 00-1606	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.31
05 05 23 00-1607	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.70
05 05 23 00-1608	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	11.22
05 05 23 00-1609	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	13.39
05 05 23 00-1610	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	16.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1611		Welded Shear Stud Connector *(05 05 23)*		
05 05 23 00-1612		3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1611)*		
05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	10.59	
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	11.05	
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	11.17	
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	11.23	
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	11.75	
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	12.70	
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	21.89	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	13.80	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	15.48	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.90	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	20.42	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	22.25	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	29.94	
05 05 23 00-1626		7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1611)*		
05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	12.88	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	13.62	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	14.35	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	16.46	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	21.03	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	23.26	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	25.45	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	31.62	
05 05 23 00-1635		1" Diameter Welded Shear Stud Connector *(05 05 23 00-1611)*		
05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	17.68	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	19.94	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	23.26	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	29.36	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	32.84	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	36.32	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns	12,004.06	1,306.33
		For ASTM A242 Type 2 High Strength Steel, Add	*744.12*	
		For Hot Dip Galvanizing, Add	*2,604.43*	
		For >10 To 25 Tons, Deduct	*-790.63*	
		For >25 To 50 Tons, Deduct	*-1,627.77*	
		For >50 Tons, Deduct	*-2,325.39*	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns	8,534.69	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*610.71*	
		For Hot Dip Galvanizing, Add	*2,137.48*	
		For >10 To 25 Tons, Deduct	*-648.88*	
		For >25 To 50 Tons, Deduct	*-1,335.93*	
		For >50 Tons, Deduct	*-1,908.47*	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns	7,283.94	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*542.18*	
		For Hot Dip Galvanizing, Add	*1,897.62*	
		For >10 To 25 Tons, Deduct	*-576.06*	
		For >25 To 50 Tons, Deduct	*-1,186.01*	
		For >50 Tons, Deduct	*-1,694.31*	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns	4,903.28	252.86
		For ASTM A242 Type 2 High Strength Steel, Add	*370.64*	
		For Hot Dip Galvanizing, Add	*1,297.25*	
		For >10 To 25 Tons, Deduct	*-393.81*	
		For >25 To 50 Tons, Deduct	*-810.78*	
		For >50 Tons, Deduct	*-1,158.26*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	9,057.48	888.41
		For ASTM A242 Type 2 High Strength Steel, Add	*648.83*	
		For Hot Dip Galvanizing, Add	*2,270.89*	
		For >10 To 25 Tons, Deduct	*-689.38*	
		For >25 To 50 Tons, Deduct	*-1,419.31*	
		For >50 Tons, Deduct	*-2,027.58*	
05 12 23 00-0009		**Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0010		**Rolled Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0011	TON	Up To 10 LB/LF Rolled Shape Steel Angles	17,480.17	2,428.45
		For ASTM A242 Type 2 High Strength Steel, Add	*1,074.62*	
		For Hot Dip Galvanizing, Add	*3,761.17*	
		For >10 To 25 Tons, Deduct	*-1,141.78*	
		For >25 To 50 Tons, Deduct	*-2,350.73*	
		For >50 Tons, Deduct	*-3,358.19*	
05 12 23 00-0012	TON	>10 To 20 LB/LF Rolled Shape Steel Angles	15,552.32	1,425.15
		For ASTM A242 Type 2 High Strength Steel, Add	*1,027.98*	
		For Hot Dip Galvanizing, Add	*3,597.95*	
		For >10 To 25 Tons, Deduct	*-1,092.23*	
		For >25 To 50 Tons, Deduct	*-2,248.72*	
		For >50 Tons, Deduct	*-3,212.45*	
05 12 23 00-0013	TON	>20 To 58 LB/LF Rolled Shape Steel Angles	12,204.47	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*904.30*	
		For Hot Dip Galvanizing, Add	*3,165.06*	
		For >10 To 25 Tons, Deduct	*-960.82*	
		For >25 To 50 Tons, Deduct	*-1,978.16*	
		For >50 Tons, Deduct	*-2,825.95*	
05 12 23 00-0014		**Rolled C, MC Steel Channels** *(05 12 23 00-0009)*		
05 12 23 00-0015	TON	Up To 10 LB/LF Rolled C, MC Steel Channels	18,798.33	3,325.35
		For ASTM A242 Type 2 High Strength Steel, Add	*1,058.40*	
		For Hot Dip Galvanizing, Add	*3,704.39*	
		For >10 To 25 Tons, Deduct	*-1,124.55*	
		For >25 To 50 Tons, Deduct	*-2,315.25*	
		For >50 Tons, Deduct	*-3,307.50*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	15,374.91	2,533.60
		For ASTM A242 Type 2 High Strength Steel, Add	*1,013.79*	
		For Hot Dip Galvanizing, Add	*3,548.27*	
		For >10 To 25 Tons, Deduct	*-1,077.15*	
		For >25 To 50 Tons, Deduct	*-2,217.67*	
		For >50 Tons, Deduct	*-3,168.10*	
05 12 23 00-0017	TON	>20 To 58 LB/LF Rolled C, MC Steel Channels	12,001.71	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*888.08*	
		For Hot Dip Galvanizing, Add	*3,108.29*	
		For >10 To 25 Tons, Deduct	*-943.59*	
		For >25 To 50 Tons, Deduct	*-1,942.68*	
		For >50 Tons, Deduct	*-2,775.26*	
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 LB/LF Double L Shape Steel Angles	16,298.70	1,926.80
		For ASTM A242 Type 2 High Strength Steel, Add	*1,034.07*	
		For Hot Dip Galvanizing, Add	*3,619.24*	
		For >10 To 25 Tons, Deduct	*-1,098.70*	
		For >25 To 50 Tons, Deduct	*-2,262.02*	
		For >50 Tons, Deduct	*-3,231.46*	
05 12 23 00-0020	TON	>20 To 50 LB/LF Double L Shape Steel Angles	13,066.19	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*973.24*	
		For Hot Dip Galvanizing, Add	*3,406.34*	
		For >10 To 25 Tons, Deduct	*-1,034.07*	
		For >25 To 50 Tons, Deduct	*-2,128.96*	
		For >50 Tons, Deduct	*-3,041.38*	
05 12 23 00-0021	TON	>50 To 80 LB/LF Double L Shape Steel Angles	9,884.29	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*750.21*	
		For Hot Dip Galvanizing, Add	*2,625.72*	
		For >10 To 25 Tons, Deduct	*-797.09*	
		For >25 To 50 Tons, Deduct	*-1,641.07*	
		For >50 Tons, Deduct	*-2,344.39*	
05 12 23 00-0022	TON	>80 To 115 LB/LF Double L Shape Steel Angles	6,352.58	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*486.62*	
		For Hot Dip Galvanizing, Add	*1,703.17*	
		For >10 To 25 Tons, Deduct	*-517.03*	
		For >25 To 50 Tons, Deduct	*-1,064.48*	
		For >50 Tons, Deduct	*-1,520.69*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0024	TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes	14,868.01	1,425.15
		For ASTM A242 Type 2 High Strength Steel, Add	*973.24*	
		For Hot Dip Galvanizing, Add	*3,406.34*	
		For >10 To 25 Tons, Deduct	*-1,034.07*	
		For >25 To 50 Tons, Deduct	*-2,128.96*	
		For >50 Tons, Deduct	*-3,041.38*	
05 12 23 00-0025	TON	>30 To 65 LB/LF Structural WT, MT, ST Tee Shapes	10,202.37	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*744.12*	
		For Hot Dip Galvanizing, Add	*2,604.43*	
		For >10 To 25 Tons, Deduct	*-790.63*	
		For >25 To 50 Tons, Deduct	*-1,627.77*	
		For >50 Tons, Deduct	*-2,325.39*	
05 12 23 00-0026	TON	>65 To 100 LB/LF Structural WT, MT, ST Tee Shapes	8,110.16	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*608.28*	
		For Hot Dip Galvanizing, Add	*2,128.96*	
		For >10 To 25 Tons, Deduct	*-646.29*	
		For >25 To 50 Tons, Deduct	*-1,330.60*	
		For >50 Tons, Deduct	*-1,900.86*	
05 12 23 00-0027	TON	>100 To 365 LB/LF Structural WT, MT, ST Tee Shapes	5,998.17	252.86
		For ASTM A242 Type 2 High Strength Steel, Add	*458.23*	
		For Hot Dip Galvanizing, Add	*1,603.82*	
		For >10 To 25 Tons, Deduct	*-486.87*	
		For >25 To 50 Tons, Deduct	*-1,002.39*	
		For >50 Tons, Deduct	*-1,431.98*	

05 12 23 00-0028 Combination Section Shapes *(05 12 23 00-0001)*

05 12 23 00-0029 Combination Section, W Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0030	TON	Up To 30 LB/LF Combination Section - W Shapes And Angles	14,082.32	1,425.15
		For ASTM A242 Type 2 High Strength Steel, Add	*910.38*	
		For Hot Dip Galvanizing, Add	*3,186.35*	
		For >10 To 25 Tons, Deduct	*-967.28*	
		For >25 To 50 Tons, Deduct	*-1,991.47*	
		For >50 Tons, Deduct	*-2,844.95*	
05 12 23 00-0031	TON	>30-65 LB/LF Combination Section - W Shapes And Angles	10,278.42	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*750.21*	
		For Hot Dip Galvanizing, Add	*2,625.73*	
		For >10 To 25 Tons, Deduct	*-797.10*	
		For >25 To 50 Tons, Deduct	*-1,641.08*	
		For >50 Tons, Deduct	*-2,344.40*	
05 12 23 00-0032	TON	>65-100 LB/LF Combination Section - W Shapes And Angles	7,476.53	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*557.58*	
		For Hot Dip Galvanizing, Add	*1,951.55*	
		For >10 To 25 Tons, Deduct	*-592.43*	
		For >25 To 50 Tons, Deduct	*-1,219.72*	
		For >50 Tons, Deduct	*-1,742.45*	
05 12 23 00-0033	TON	>100-300 LB/LF Combination Section - W Shapes And Angles	6,504.65	252.86
		For ASTM A242 Type 2 High Strength Steel, Add	*498.79*	
		For Hot Dip Galvanizing, Add	*1,745.75*	
		For >10 To 25 Tons, Deduct	*-529.96*	
		For >25 To 50 Tons, Deduct	*-1,091.09*	
		For >50 Tons, Deduct	*-1,558.71*	
05 12 23 00-0034	TON	>300-500 LB/LF Combination Section - W Shapes And Angles	5,634.95	126.93
		For ASTM A242 Type 2 High Strength Steel, Add	*439.99*	
		For Hot Dip Galvanizing, Add	*1,539.95*	
		For >10 To 25 Tons, Deduct	*-467.49*	
		For >25 To 50 Tons, Deduct	*-962.47*	
		For >50 Tons, Deduct	*-1,374.96*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 LB/LF Combination Section - S Shapes And Angles	9,872.89	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*717.76*	
		For Hot Dip Galvanizing, Add	*2,512.18*	
		For >10 To 25 Tons, Deduct	*-762.63*	
		For >25 To 50 Tons, Deduct	*-1,570.11*	
		For >50 Tons, Deduct	*-2,243.02*	
05 12 23 00-0037	TON	>65-100 LB/LF Combination Section - S Shapes And Angles	7,501.88	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*559.61*	
		For Hot Dip Galvanizing, Add	*1,958.64*	
		For >10 To 25 Tons, Deduct	*-594.59*	
		For >25 To 50 Tons, Deduct	*-1,224.15*	
		For >50 Tons, Deduct	*-1,748.79*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

05 12 23 00-0039	TON	Up To 30 LB/LF Combination Section - Channels And Angles	14,868.01	1,425.15
		For ASTM A242 Type 2 High Strength Steel, Add	*973.24*	
		For Hot Dip Galvanizing, Add	*3,406.34*	
		For >10 To 25 Tons, Deduct	*-1,034.07*	
		For >25 To 50 Tons, Deduct	*-2,128.96*	
		For >50 Tons, Deduct	*-3,041.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0040	TON	>30-65 LB/LF Combination Section - Channels And Angles	10,785.30	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*790.76*	
		For Hot Dip Galvanizing, Add	*2,767.65*	
		For >10 To 25 Tons, Deduct	*-840.18*	
		For >25 To 50 Tons, Deduct	*-1,729.78*	
		For >50 Tons, Deduct	*-2,471.12*	
05 12 23 00-0041	TON	>65-100 LB/LF Combination Section - Channels And Angles	7,679.30	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*573.81*	
		For Hot Dip Galvanizing, Add	*2,008.32*	
		For >10 To 25 Tons, Deduct	*-609.67*	
		For >25 To 50 Tons, Deduct	*-1,255.20*	
		For >50 Tons, Deduct	*-1,793.15*	
05 12 23 00-0042		**Standard Weight Pipe** *(05 12 23 00-0001)*		
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	8,718.32	760.08
		For ASTM A242 Type 2 High Strength Steel, Add	*632.61*	
		For Hot Dip Galvanizing, Add	*2,214.12*	
		For >10 To 25 Tons, Deduct	*-672.14*	
		For >25 To 50 Tons, Deduct	*-1,383.82*	
		For >50 Tons, Deduct	*-1,976.89*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	9,275.85	950.10
		For ASTM A242 Type 2 High Strength Steel, Add	*660.99*	
		For Hot Dip Galvanizing, Add	*2,313.47*	
		For >10 To 25 Tons, Deduct	*-702.30*	
		For >25 To 50 Tons, Deduct	*-1,445.92*	
		For >50 Tons, Deduct	*-2,065.60*	
05 12 23 00-0045		**Temporary Steel Support For Structures** *(05 12 23 00-0001)*		
		Note: Includes removal after use.		
05 12 23 00-0046	TON	Up To 30 LB/LF Temporary Steel Support For Structures	12,004.06	
		Note: For all stock sections.		
05 12 23 00-0047	TON	>30 LB/LF Temporary Steel Support For Structures	8,534.69	
		Note: For all stock sections.		
05 12 23 00-0048		**Structural Steel Shapes** *(05 12 23)*		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
05 12 23 00-0049		**Steel Rods** *(05 12 23 00-0048)*		
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	9,453.38	593.88
		For ASTM A242 Type 2 High Strength Steel, Add	*705.60*	
		For Hot Dip Galvanizing, Add	*2,469.59*	
		For >10 To 25 Tons, Deduct	*-749.70*	
		For >25 To 50 Tons, Deduct	*-1,543.50*	
		For >50 Tons, Deduct	*-2,205.00*	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	10,785.30	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*790.76*	
		For Hot Dip Galvanizing, Add	*2,767.65*	
		For >10 To 25 Tons, Deduct	*-840.18*	
		For >25 To 50 Tons, Deduct	*-1,729.78*	
		For >50 Tons, Deduct	*-2,471.12*	
05 12 23 00-0052		**Column Base Plates** *(05 12 23 00-0048)*		
05 12 23 00-0053	LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	4.61	0.76
		For ASTM A242 Type 2 High Strength Steel, Add	*0.30*	
		For Hot Dip Galvanizing, Add	*1.06*	
05 12 23 00-0054	LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	4.34	0.65
		For ASTM A242 Type 2 High Strength Steel, Add	*0.29*	
		For Hot Dip Galvanizing, Add	*1.01*	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	8,562.41	677.17
		For ASTM A242 Type 2 High Strength Steel, Add	*627.21*	
		For Hot Dip Galvanizing, Add	*2,195.23*	
		For >10 To 25 Tons, Deduct	*-666.41*	
		For >25 To 50 Tons, Deduct	*-1,372.02*	
		For >50 Tons, Deduct	*-1,960.02*	
05 12 23 00-0056	TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	6,104.04	406.30
		For ASTM A242 Type 2 High Strength Steel, Add	*453.65*	
		For Hot Dip Galvanizing, Add	*1,587.78*	
		For >10 To 25 Tons, Deduct	*-482.00*	
		For >25 To 50 Tons, Deduct	*-992.36*	
		For >50 Tons, Deduct	*-1,417.66*	
05 12 23 00-0057		**Double Extra Strong Pipes** *(05 12 23 00-0048)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0058	TON	2" To 5" Diameter Double Extra Strong Pipe	11,245.45	1,085.77
		For ASTM A242 Type 2 High Strength Steel, Add	*806.98*	
		For Hot Dip Galvanizing, Add	*2,824.42*	
		For >10 To 25 Tons, Deduct	*-857.41*	
		For >25 To 50 Tons, Deduct	*-1,765.27*	
		For >50 Tons, Deduct	*-2,521.81*	
05 12 23 00-0059	TON	>5" To 8" Diameter Double Extra Strong Pipe	10,710.89	584.63
		For ASTM A242 Type 2 High Strength Steel, Add	*806.98*	
		For Hot Dip Galvanizing, Add	*2,824.42*	
		For >10 To 25 Tons, Deduct	*-857.41*	
		For >25 To 50 Tons, Deduct	*-1,765.27*	
		For >50 Tons, Deduct	*-2,521.81*	
05 12 23 00-0060		**Structural Pipes** *(05 12 23 00-0048)*		
05 12 23 00-0061	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,868.39	501.65
		For ASTM A242 Type 2 High Strength Steel, Add	*567.72*	
		For Hot Dip Galvanizing, Add	*1,987.03*	
		For >10 To 25 Tons, Deduct	*-603.21*	
		For >25 To 50 Tons, Deduct	*-1,241.89*	
		For >50 Tons, Deduct	*-1,774.14*	
05 12 23 00-0062	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	8,372.91	578.55
		For ASTM A242 Type 2 High Strength Steel, Add	*567.72*	
		For Hot Dip Galvanizing, Add	*1,987.03*	
		For >10 To 25 Tons, Deduct	*-603.21*	
		For >25 To 50 Tons, Deduct	*-1,241.89*	
		For >50 Tons, Deduct	*-1,774.14*	
05 12 23 00-0063		**Structural Tubing** *(05 12 23 00-0048)*		
05 12 23 00-0064		**Rectangle Structural Tubing** *(05 12 23 00-0063)*		
05 12 23 00-0065	TON	3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle	13,212.90	506.72
		For ASTM A242 Type 2 High Strength Steel, Add	*1,013.79*	
		For Hot Dip Galvanizing, Add	*3,548.27*	
		For >10 To 25 Tons, Deduct	*-1,077.15*	
		For >25 To 50 Tons, Deduct	*-2,217.67*	
		For >50 Tons, Deduct	*-3,168.10*	
05 12 23 00-0066	TON	4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	13,296.06	584.63
		For ASTM A242 Type 2 High Strength Steel, Add	*1,013.79*	
		For Hot Dip Galvanizing, Add	*3,548.27*	
		For >10 To 25 Tons, Deduct	*-1,077.15*	
		For >25 To 50 Tons, Deduct	*-2,217.67*	
		For >50 Tons, Deduct	*-3,168.10*	
05 12 23 00-0067	TON	5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	11,573.88	633.40
		For ASTM A242 Type 2 High Strength Steel, Add	*871.86*	
		For Hot Dip Galvanizing, Add	*3,051.51*	
		For >10 To 25 Tons, Deduct	*-926.35*	
		For >25 To 50 Tons, Deduct	*-1,907.20*	
		For >50 Tons, Deduct	*-2,724.57*	
05 12 23 00-0068	TON	6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	10,948.67	760.08
		For ASTM A242 Type 2 High Strength Steel, Add	*811.03*	
		For Hot Dip Galvanizing, Add	*2,838.62*	
		For >10 To 25 Tons, Deduct	*-861.72*	
		For >25 To 50 Tons, Deduct	*-1,774.14*	
		For >50 Tons, Deduct	*-2,534.48*	
05 12 23 00-0069	TON	7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	10,742.38	844.44
		For ASTM A242 Type 2 High Strength Steel, Add	*787.32*	
		For Hot Dip Galvanizing, Add	*2,755.63*	
		For >10 To 25 Tons, Deduct	*-836.53*	
		For >25 To 50 Tons, Deduct	*-1,722.27*	
		For >50 Tons, Deduct	*-2,460.39*	
05 12 23 00-0070	TON	8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	10,856.11	1,168.62
		For ASTM A242 Type 2 High Strength Steel, Add	*768.76*	
		For Hot Dip Galvanizing, Add	*2,690.68*	
		For >10 To 25 Tons, Deduct	*-816.81*	
		For >25 To 50 Tons, Deduct	*-1,681.67*	
		For >50 Tons, Deduct	*-2,402.39*	
05 12 23 00-0071	TON	10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	11,228.20	1,544.86
		For ASTM A242 Type 2 High Strength Steel, Add	*766.43*	
		For Hot Dip Galvanizing, Add	*2,682.49*	
		For >10 To 25 Tons, Deduct	*-814.33*	
		For >25 To 50 Tons, Deduct	*-1,676.56*	
		For >50 Tons, Deduct	*-2,395.08*	
05 12 23 00-0072	TON	12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	11,481.78	1,687.51
		For ASTM A242 Type 2 High Strength Steel, Add	*774.54*	
		For Hot Dip Galvanizing, Add	*2,710.88*	
		For >10 To 25 Tons, Deduct	*-822.95*	
		For >25 To 50 Tons, Deduct	*-1,694.30*	
		For >50 Tons, Deduct	*-2,420.43*	
05 12 23 00-0073	TON	14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	11,708.59	1,900.20
		For ASTM A242 Type 2 High Strength Steel, Add	*774.54*	
		For Hot Dip Galvanizing, Add	*2,710.88*	
		For >10 To 25 Tons, Deduct	*-822.95*	
		For >25 To 50 Tons, Deduct	*-1,694.30*	
		For >50 Tons, Deduct	*-2,420.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	12,282.83	2,533.60
		For ASTM A242 Type 2 High Strength Steel, Add	*766.43*	
		For Hot Dip Galvanizing, Add	*2,682.49*	
		For >10 To 25 Tons, Deduct	*-814.33*	
		For >25 To 50 Tons, Deduct	*-1,676.56*	
		For >50 Tons, Deduct	*-2,395.08*	
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	13,585.03	3,992.07
		For ASTM A242 Type 2 High Strength Steel, Add	*746.15*	
		For Hot Dip Galvanizing, Add	*2,611.53*	
		For >10 To 25 Tons, Deduct	*-792.78*	
		For >25 To 50 Tons, Deduct	*-1,632.20*	
		For >50 Tons, Deduct	*-2,331.72*	
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle	15,123.24	5,828.93
		For ASTM A242 Type 2 High Strength Steel, Add	*712.47*	
		For Hot Dip Galvanizing, Add	*2,493.63*	
		For >10 To 25 Tons, Deduct	*-756.99*	
		For >25 To 50 Tons, Deduct	*-1,558.52*	
		For >50 Tons, Deduct	*-2,226.46*	
05 12 23 00-0077		Square Structural Tubing *(05 12 23 00-0063)*		
05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square	13,179.12	475.05
		For ASTM A242 Type 2 High Strength Steel, Add	*1,013.79*	
		For Hot Dip Galvanizing, Add	*3,548.27*	
		For >10 To 25 Tons, Deduct	*-1,077.15*	
		For >25 To 50 Tons, Deduct	*-2,217.67*	
		For >50 Tons, Deduct	*-3,168.10*	
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square	13,212.90	506.72
		For ASTM A242 Type 2 High Strength Steel, Add	*1,013.79*	
		For Hot Dip Galvanizing, Add	*3,548.27*	
		For >10 To 25 Tons, Deduct	*-1,077.15*	
		For >25 To 50 Tons, Deduct	*-2,217.67*	
		For >50 Tons, Deduct	*-3,168.10*	
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square	11,827.33	633.40
		For ASTM A242 Type 2 High Strength Steel, Add	*892.14*	
		For Hot Dip Galvanizing, Add	*3,122.48*	
		For >10 To 25 Tons, Deduct	*-947.90*	
		For >25 To 50 Tons, Deduct	*-1,951.55*	
		For >50 Tons, Deduct	*-2,787.93*	
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square	11,709.01	760.08
		For ASTM A242 Type 2 High Strength Steel, Add	*871.86*	
		For Hot Dip Galvanizing, Add	*3,051.51*	
		For >10 To 25 Tons, Deduct	*-926.35*	
		For >25 To 50 Tons, Deduct	*-1,907.20*	
		For >50 Tons, Deduct	*-2,724.57*	
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square	9,326.54	950.10
		For ASTM A242 Type 2 High Strength Steel, Add	*665.05*	
		For Hot Dip Galvanizing, Add	*2,327.67*	
		For >10 To 25 Tons, Deduct	*-706.61*	
		For >25 To 50 Tons, Deduct	*-1,454.79*	
		For >50 Tons, Deduct	*-2,078.27*	
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square	9,471.31	1,085.77
		For ASTM A242 Type 2 High Strength Steel, Add	*665.05*	
		For Hot Dip Galvanizing, Add	*2,327.67*	
		For >10 To 25 Tons, Deduct	*-706.61*	
		For >25 To 50 Tons, Deduct	*-1,454.79*	
		For >50 Tons, Deduct	*-2,078.27*	
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square	9,934.60	1,520.16
		For ASTM A242 Type 2 High Strength Steel, Add	*665.05*	
		For Hot Dip Galvanizing, Add	*2,327.67*	
		For >10 To 25 Tons, Deduct	*-706.61*	
		For >25 To 50 Tons, Deduct	*-1,454.79*	
		For >50 Tons, Deduct	*-2,078.27*	
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square	10,492.04	1,900.20
		For ASTM A242 Type 2 High Strength Steel, Add	*677.21*	
		For Hot Dip Galvanizing, Add	*2,370.24*	
		For >10 To 25 Tons, Deduct	*-719.54*	
		For >25 To 50 Tons, Deduct	*-1,481.40*	
		For >50 Tons, Deduct	*-2,116.29*	
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square	12,536.29	2,533.60
		For ASTM A242 Type 2 High Strength Steel, Add	*786.70*	
		For Hot Dip Galvanizing, Add	*2,753.46*	
		For >10 To 25 Tons, Deduct	*-835.87*	
		For >25 To 50 Tons, Deduct	*-1,720.91*	
		For >50 Tons, Deduct	*-2,458.45*	
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square	13,887.54	3,800.41
		For ASTM A242 Type 2 High Strength Steel, Add	*786.70*	
		For Hot Dip Galvanizing, Add	*2,753.46*	
		For >10 To 25 Tons, Deduct	*-835.87*	
		For >25 To 50 Tons, Deduct	*-1,720.91*	
		For >50 Tons, Deduct	*-2,458.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square	13,223.09	4,460.53
		For ASTM A242 Type 2 High Strength Steel, Add	*677.21*	
		For Hot Dip Galvanizing, Add	*2,370.24*	
		For >10 To 25 Tons, Deduct	*-719.54*	
		For >25 To 50 Tons, Deduct	*-1,481.40*	
		For >50 Tons, Deduct	*-2,116.29*	
05 12 23 00-0089	TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square	15,848.44	5,828.93
		For ASTM A242 Type 2 High Strength Steel, Add	*770.48*	
		For Hot Dip Galvanizing, Add	*2,696.69*	
		For >10 To 25 Tons, Deduct	*-818.64*	
		For >25 To 50 Tons, Deduct	*-1,685.43*	
		For >50 Tons, Deduct	*-2,407.76*	
05 12 23 00-0090	TON	16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square	17,941.31	7,600.80
		For ASTM A242 Type 2 High Strength Steel, Add	*786.70*	
		For Hot Dip Galvanizing, Add	*2,753.46*	
		For >10 To 25 Tons, Deduct	*-835.87*	
		For >25 To 50 Tons, Deduct	*-1,720.91*	
		For >50 Tons, Deduct	*-2,458.45*	

05 12 23 00-0091 Galvanized Steel Pipe Tubing *(05 12 23 00-0063)*

Note: ASTM A53 Grade B

05 12 23 00-0092	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	47.82	5.53
05 12 23 00-0093	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	52.46	6.59
05 12 23 00-0094	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	58.05	8.75
05 12 23 00-0095	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	62.59	9.75
05 12 23 00-0096	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	65.44	10.54
05 12 23 00-0097	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	73.24	13.18
05 12 23 00-0098	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	81.05	15.81
05 12 23 00-0099	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	88.64	18.97
05 12 23 00-0100	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	99.61	23.19
05 12 23 00-0101	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	116.91	29.52

05 12 23 00-0102 Structural Shapes *(05 12 23 00-0048)*

05 12 23 00-0103	TON	Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	8,509.53	2,708.72
		For ASTM A242 Type 2 High Strength Steel, Add	*336.80*	
		For Hot Dip Galvanizing, Add	*1,178.79*	
		For >20 To 50 LB/LF, Deduct	*-1,065.93*	
		For >50 To 75 LB/LF, Deduct	*-1,706.38*	
		For >75 To 100 LB/LF, Deduct	*-2,346.84*	
		For >10 To 25 Tons, Deduct	*-357.85*	
		For >25 To 50 Tons, Deduct	*-736.75*	
		For >50 Tons, Deduct	*-1,052.50*	
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF	9,551.32	1,083.49
		For ASTM A242 Type 2 High Strength Steel, Add	*648.84*	
		For Hot Dip Galvanizing, Add	*2,270.94*	
		For >21.5 To 50 LB/LF, Deduct	*-1,027.17*	
		For >10 To 25 Tons, Deduct	*-689.39*	
		For >25 To 50 Tons, Deduct	*-1,419.34*	
		For >50 Tons, Deduct	*-2,027.63*	
05 12 23 00-0105	LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	5.60	0.24
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports	6.86	0.24

05 12 23 00-0107 Built-Up Trusses *(05 12 23 00-0048)*

05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	10,720.70	380.04
		For >10 To 25 Tons, Deduct	*-876.80*	
		For >25 To 50 Tons, Deduct	*-1,805.18*	
		For >50 Tons, Deduct	*-2,578.83*	
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	10,641.92	211.05
		For >10 To 25 Tons, Deduct	*-885.42*	
		For >25 To 50 Tons, Deduct	*-1,822.92*	
		For >50 Tons, Deduct	*-2,604.18*	
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	9,496.80	111.73
		For >10 To 25 Tons, Deduct	*-797.09*	
		For >25 To 50 Tons, Deduct	*-1,641.07*	
		For >50 Tons, Deduct	*-2,344.39*	
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	9,236.72	105.65
		For >10 To 25 Tons, Deduct	*-775.55*	
		For >25 To 50 Tons, Deduct	*-1,596.72*	
		For >50 Tons, Deduct	*-2,281.03*	

05 12 23 00-0112 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps *(05 12 23 00-0048)*

Note: Includes shop fabrication, welds, drilling and shop primer.

05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	34.04	7.80
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	51.05	11.67
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	68.07	15.56
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	85.08	19.44
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	102.11	23.22
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	119.12	27.22
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	136.14	31.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	153.15	35.00
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	170.18	38.88
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	187.19	42.77
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	204.21	46.66
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	221.22	50.55
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	238.26	54.43
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	255.27	58.32
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	272.29	62.21

05 12 23 00-0128 Accessories For Steel *(05 12 23)*

05 12 23 00-0129 Field Painting For Touch-Up Of Shop Prime Coat *(05 12 23 00-0128)*

05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.50	

05 12 23 00-0131 Connection And Stiffener Plates *(05 12 23 00-0128)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0132	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	23,414.23	
		For >10 To 25 Tons, Deduct	*-1,990.21*	
		For >25 To 50 Tons, Deduct	*-4,097.49*	
		For >50 Tons, Deduct	*-5,853.56*	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	19,976.92	
		For >10 To 25 Tons, Deduct	*-1,698.04*	
		For >25 To 50 Tons, Deduct	*-3,495.96*	
		For >50 Tons, Deduct	*-4,994.23*	
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	15,448.56	
		For >10 To 25 Tons, Deduct	*-1,313.13*	
		For >25 To 50 Tons, Deduct	*-2,703.50*	
		For >50 Tons, Deduct	*-3,862.14*	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	15,448.56	
		For >10 To 25 Tons, Deduct	*-1,313.13*	
		For >25 To 50 Tons, Deduct	*-2,703.50*	
		For >50 Tons, Deduct	*-3,862.14*	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	15,448.56	
		For >10 To 25 Tons, Deduct	*-1,313.13*	
		For >25 To 50 Tons, Deduct	*-2,703.50*	
		For >50 Tons, Deduct	*-3,862.14*	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	15,448.56	
		For >10 To 25 Tons, Deduct	*-1,313.13*	
		For >25 To 50 Tons, Deduct	*-2,703.50*	
		For >50 Tons, Deduct	*-3,862.14*	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	15,448.56	
		For >10 To 25 Tons, Deduct	*-1,313.13*	
		For >25 To 50 Tons, Deduct	*-2,703.50*	
		For >50 Tons, Deduct	*-3,862.14*	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	15,448.56	
		For >10 To 25 Tons, Deduct	*-1,313.13*	
		For >25 To 50 Tons, Deduct	*-2,703.50*	
		For >50 Tons, Deduct	*-3,862.14*	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	14,483.03	
		For >10 To 25 Tons, Deduct	*-1,231.06*	
		For >25 To 50 Tons, Deduct	*-2,534.53*	
		For >50 Tons, Deduct	*-3,620.76*	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	14,483.03	
		For >10 To 25 Tons, Deduct	*-1,231.06*	
		For >25 To 50 Tons, Deduct	*-2,534.53*	
		For >50 Tons, Deduct	*-3,620.76*	
05 12 23 00-0142	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	14,483.03	
		For >10 To 25 Tons, Deduct	*-1,231.06*	
		For >25 To 50 Tons, Deduct	*-2,534.53*	
		For >50 Tons, Deduct	*-3,620.76*	

05 12 23 00-0143 Field Applied Cold Galvanizing *(05 12 23 00-0128)*

05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	1.78	

05 12 23 00-0145 Metal Grinding *(05 12 23 00-0128)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	1.07	

05 12 23 00-0147 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0147)*

Note: With base plate. Includes material delivery and erection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,662.89	75.13
		For Hot Dip Galvanizing, Add	*439.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*149.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*332.58*	
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,516.51	70.03
		For Hot Dip Galvanizing, Add	*400.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*136.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*303.30*	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,381.27	65.18
		For Hot Dip Galvanizing, Add	*364.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*124.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*276.25*	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,257.16	60.63
		For Hot Dip Galvanizing, Add	*330.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*113.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*251.43*	
05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,154.40	65.88
		For Hot Dip Galvanizing, Add	*300.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*103.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*230.88*	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	984.95	57.51
		For Hot Dip Galvanizing, Add	*256.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*88.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*196.99*	
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	796.41	49.79
		For Hot Dip Galvanizing, Add	*206.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*71.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*159.28*	
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	717.29	46.49
		For Hot Dip Galvanizing, Add	*185.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*64.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*143.46*	
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	651.06	43.83
		For Hot Dip Galvanizing, Add	*167.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*58.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*130.21*	
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	572.22	41.55
		For Hot Dip Galvanizing, Add	*146.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*51.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*114.44*	
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	526.60	38.64
		For Hot Dip Galvanizing, Add	*134.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*105.32*	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	468.37	35.98
		For Hot Dip Galvanizing, Add	*119.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*93.67*	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	423.61	34.20
		For Hot Dip Galvanizing, Add	*107.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*84.72*	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	381.78	32.69
		For Hot Dip Galvanizing, Add	*96.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*76.36*	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	345.18	31.54
		For Hot Dip Galvanizing, Add	*86.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.04*	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	333.57	30.53
		For Hot Dip Galvanizing, Add	*83.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*66.71*	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	285.23	29.14
		For Hot Dip Galvanizing, Add	*70.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.05*	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	267.43	28.38
		For Hot Dip Galvanizing, Add	*65.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.49*	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	239.43	27.24
		For Hot Dip Galvanizing, Add	*58.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.89*	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	218.46	26.48
		For Hot Dip Galvanizing, Add	*52.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.69*	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	202.93	25.84
		For Hot Dip Galvanizing, Add	*48.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	186.92	25.09
		For Hot Dip Galvanizing, Add	*44.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.38*	
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	168.77	24.45
		For Hot Dip Galvanizing, Add	*39.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.75*	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	157.62	24.07
		For Hot Dip Galvanizing, Add	*36.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.52*	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	143.70	23.44
		For Hot Dip Galvanizing, Add	*32.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.74*	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	130.89	22.80
		For Hot Dip Galvanizing, Add	*29.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.18*	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	122.60	22.42
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.52*	
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	110.62	22.04
		For Hot Dip Galvanizing, Add	*24.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.12*	
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	758.32	33.46
		For Hot Dip Galvanizing, Add	*200.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*68.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*151.66*	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	690.94	32.79
		For Hot Dip Galvanizing, Add	*182.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*62.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*138.19*	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	634.59	32.40
		For Hot Dip Galvanizing, Add	*166.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*57.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*126.92*	
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	575.66	31.59
		For Hot Dip Galvanizing, Add	*150.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*51.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*115.13*	
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	527.87	31.13
		For Hot Dip Galvanizing, Add	*137.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*105.57*	
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	484.38	30.70
		For Hot Dip Galvanizing, Add	*125.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*43.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*96.88*	
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	446.03	34.96
		For Hot Dip Galvanizing, Add	*113.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*89.21*	
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	403.01	33.95
		For Hot Dip Galvanizing, Add	*101.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*80.60*	
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	363.29	31.54
		For Hot Dip Galvanizing, Add	*91.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*72.66*	
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	345.36	30.65
		For Hot Dip Galvanizing, Add	*86.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.07*	
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	261.38	28.13
		For Hot Dip Galvanizing, Add	*64.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.28*	
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	240.87	27.24
		For Hot Dip Galvanizing, Add	*58.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.17*	
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	215.46	26.35
		For Hot Dip Galvanizing, Add	*52.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.09*	
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	198.73	25.46
		For Hot Dip Galvanizing, Add	*47.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	174.35	24.70
		For Hot Dip Galvanizing, Add	*41.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.87*	
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	159.53	24.07
		For Hot Dip Galvanizing, Add	*37.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.91*	
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	145.82	23.56
		For Hot Dip Galvanizing, Add	*33.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.16*	
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	141.07	23.31
		For Hot Dip Galvanizing, Add	*32.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.21*	
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	130.89	22.80
		For Hot Dip Galvanizing, Add	*29.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.18*	
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	126.81	22.68
		For Hot Dip Galvanizing, Add	*28.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.36*	
05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	115.18	22.16
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.04*	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	103.20	21.66
		For Hot Dip Galvanizing, Add	*22.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.64*	
05 12 23 00-0199	LF	W10 x 112 A992/A36 Structural Column	251.96	27.74
		For Hot Dip Galvanizing, Add	*61.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.39*	
05 12 23 00-0200	LF	W10 x 110 A992/A36 Structural Column	227.86	26.60
		For Hot Dip Galvanizing, Add	*55.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.57*	
05 12 23 00-0201	LF	W10 x 88 A992/A36 Structural Column	204.77	25.71
		For Hot Dip Galvanizing, Add	*49.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.95*	
05 12 23 00-0202	LF	W10 x 77 A992/A36 Structural Column	182.06	24.70
		For Hot Dip Galvanizing, Add	*43.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.41*	
05 12 23 00-0203	LF	W10 x 68 A992/A36 Structural Column	163.90	24.07
		For Hot Dip Galvanizing, Add	*38.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.78*	
05 12 23 00-0204	LF	W10 x 60 A992/A36 Structural Column	143.70	23.44
		For Hot Dip Galvanizing, Add	*32.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.74*	
05 12 23 00-0205	LF	W10 x 54 A992/A36 Structural Column	142.74	23.05
		For Hot Dip Galvanizing, Add	*32.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.55*	
05 12 23 00-0206	LF	W10 x 49 A992/A36 Structural Column	125.25	22.68
		For Hot Dip Galvanizing, Add	*28.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.05*	
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	120.86	22.30
		For Hot Dip Galvanizing, Add	*26.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.17*	
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	105.11	21.91
		For Hot Dip Galvanizing, Add	*22.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.02*	
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	91.57	21.29
		For Hot Dip Galvanizing, Add	*19.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.31*	
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	157.80	24.07
		For Hot Dip Galvanizing, Add	*36.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.56*	
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	141.61	23.31
		For Hot Dip Galvanizing, Add	*32.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	126.68	22.68
		For Hot Dip Galvanizing, Add	*28.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.34*	
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	108.65	22.04
		For Hot Dip Galvanizing, Add	*23.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.73*	
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	98.09	21.54
		For Hot Dip Galvanizing, Add	*20.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.62*	
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	89.59	21.29
		For Hot Dip Galvanizing, Add	*18.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.92*	
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	84.32	21.03
		For Hot Dip Galvanizing, Add	*17.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.86*	
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	77.97	20.78
		For Hot Dip Galvanizing, Add	*15.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.59*	
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	73.75	20.65
		For Hot Dip Galvanizing, Add	*14.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.75*	
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	65.79	20.26
		For Hot Dip Galvanizing, Add	*12.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.16*	
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	81.90	20.78
		For Hot Dip Galvanizing, Add	*16.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.38*	
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	69.15	20.40
		For Hot Dip Galvanizing, Add	*13.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.83*	
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	59.18	19.76
		For Hot Dip Galvanizing, Add	*10.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.84*	
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	55.41	19.76
		For Hot Dip Galvanizing, Add	*9.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.08*	
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	50.63	19.64
		For Hot Dip Galvanizing, Add	*8.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.13*	
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	68.07	20.40
		For Hot Dip Galvanizing, Add	*12.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.61*	
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	62.62	20.26
		For Hot Dip Galvanizing, Add	*11.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.52*	
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	58.60	20.01
		For Hot Dip Galvanizing, Add	*10.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.72*	

05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	597.09	82.28
		For Hot Dip Galvanizing, Add	*141.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*53.74*	
		For High Strength Low Alloy A588 Steel, Add	*119.42*	
		For Each Additional Top Copes >2, Add	*5.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-195.82*	
		For Skewed Or Sloped Connections, Add	*71.65*	
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	576.72	95.01
		For Hot Dip Galvanizing, Add	*131.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*51.90*	
		For High Strength Low Alloy A588 Steel, Add	*115.34*	
		For Each Additional Top Copes >2, Add	*4.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-186.65*	
		For Skewed Or Sloped Connections, Add	*69.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	545.90	93.87
		For Hot Dip Galvanizing, Add	*123.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*49.13*	
		For High Strength Low Alloy A588 Steel, Add	*109.18*	
		For Each Additional Top Copes >2, Add	*4.46*	
		For Structural Tees, WT, MT Or ST, Deduct	*-176.05*	
		For Skewed Or Sloped Connections, Add	*65.51*	
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	507.98	79.30
		For Hot Dip Galvanizing, Add	*117.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.72*	
		For High Strength Low Alloy A588 Steel, Add	*101.60*	
		For Each Additional Top Copes >2, Add	*4.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-165.10*	
		For Skewed Or Sloped Connections, Add	*60.96*	
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	491.53	80.43
		For Hot Dip Galvanizing, Add	*112.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.24*	
		For High Strength Low Alloy A588 Steel, Add	*98.31*	
		For Each Additional Top Copes >2, Add	*4.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-159.17*	
		For Skewed Or Sloped Connections, Add	*58.98*	
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	467.37	90.83
		For Hot Dip Galvanizing, Add	*102.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.06*	
		For High Strength Low Alloy A588 Steel, Add	*93.47*	
		For Each Additional Top Copes >2, Add	*3.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-149.04*	
		For Skewed Or Sloped Connections, Add	*56.08*	
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	439.85	76.92
		For Hot Dip Galvanizing, Add	*99.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.59*	
		For High Strength Low Alloy A588 Steel, Add	*87.97*	
		For Each Additional Top Copes >2, Add	*3.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-141.64*	
		For Skewed Or Sloped Connections, Add	*52.78*	
05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	417.12	76.36
		For Hot Dip Galvanizing, Add	*93.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.54*	
		For High Strength Low Alloy A588 Steel, Add	*83.42*	
		For Each Additional Top Copes >2, Add	*3.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-133.78*	
		For Skewed Or Sloped Connections, Add	*50.05*	
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	394.05	75.48
		For Hot Dip Galvanizing, Add	*87.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.46*	
		For High Strength Low Alloy A588 Steel, Add	*78.81*	
		For Each Additional Top Copes >2, Add	*3.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-125.84*	
		For Skewed Or Sloped Connections, Add	*47.29*	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	388.84	87.91
		For Hot Dip Galvanizing, Add	*81.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.00*	
		For High Strength Low Alloy A588 Steel, Add	*77.77*	
		For Each Additional Top Copes >2, Add	*2.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-122.03*	
		For Skewed Or Sloped Connections, Add	*46.66*	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	372.75	87.28
		For Hot Dip Galvanizing, Add	*77.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.55*	
		For High Strength Low Alloy A588 Steel, Add	*74.55*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.49*	
		For Skewed Or Sloped Connections, Add	*44.73*	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	350.25	86.53
		For Hot Dip Galvanizing, Add	*71.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.52*	
		For High Strength Low Alloy A588 Steel, Add	*70.05*	
		For Each Additional Top Copes >2, Add	*2.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-108.75*	
		For Skewed Or Sloped Connections, Add	*42.03*	
05 12 23 00-0241	LF	W33 x 241 A992/A36 Structural Beam Or Girder	514.32	81.80
		For Hot Dip Galvanizing, Add	*118.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.29*	
		For High Strength Low Alloy A588 Steel, Add	*102.86*	
		For Each Additional Top Copes >2, Add	*4.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-166.92*	
		For Skewed Or Sloped Connections, Add	*61.72*	
05 12 23 00-0242	LF	W33 x 221 A992/A36 Structural Beam Or Girder	476.74	79.79
		For Hot Dip Galvanizing, Add	*108.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.91*	
		For High Strength Low Alloy A588 Steel, Add	*95.35*	
		For Each Additional Top Copes >2, Add	*3.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-154.09*	
		For Skewed Or Sloped Connections, Add	*57.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0243	LF	W33 x 201 A992/A36 Structural Beam Or Girder	452.46	90.20
		For Hot Dip Galvanizing, Add	*98.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.72*	
		For High Strength Low Alloy A588 Steel, Add	*90.49*	
		For Each Additional Top Copes >2, Add	*3.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-143.92*	
		For Skewed Or Sloped Connections, Add	*54.30*	
05 12 23 00-0244	LF	W33 x 170 A992/A36 Structural Beam Or Girder	406.14	88.55
		For Hot Dip Galvanizing, Add	*86.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.55*	
		For High Strength Low Alloy A588 Steel, Add	*81.23*	
		For Each Additional Top Copes >2, Add	*3.12*	
		For Structural Tees, WT, MT Or ST, Deduct	*-127.99*	
		For Skewed Or Sloped Connections, Add	*48.74*	
05 12 23 00-0245	LF	W33 x 152 A992/A36 Structural Beam Or Girder	368.45	75.24
		For Hot Dip Galvanizing, Add	*79.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.16*	
		For High Strength Low Alloy A588 Steel, Add	*78.69*	
		For Each Additional Top Copes >2, Add	*2.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.92*	
		For Skewed Or Sloped Connections, Add	*44.21*	
05 12 23 00-0246	LF	W33 x 141 A992/A36 Structural Beam Or Girder	359.94	86.78
		For Hot Dip Galvanizing, Add	*74.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.39*	
		For High Strength Low Alloy A588 Steel, Add	*71.99*	
		For Each Additional Top Copes >2, Add	*2.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-112.09*	
		For Skewed Or Sloped Connections, Add	*43.19*	
05 12 23 00-0247	LF	W33 x 130 A992/A36 Structural Beam Or Girder	341.72	86.14
		For Hot Dip Galvanizing, Add	*69.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.75*	
		For High Strength Low Alloy A588 Steel, Add	*68.34*	
		For Each Additional Top Copes >2, Add	*2.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.83*	
		For Skewed Or Sloped Connections, Add	*41.01*	
05 12 23 00-0248	LF	W33 x 118 A992/A36 Structural Beam Or Girder	320.54	85.38
		For Hot Dip Galvanizing, Add	*63.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.85*	
		For High Strength Low Alloy A588 Steel, Add	*64.11*	
		For Each Additional Top Copes >2, Add	*2.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.53*	
		For Skewed Or Sloped Connections, Add	*38.46*	
05 12 23 00-0249	LF	W30 x 211 A992/A36 Structural Beam Or Girder	456.96	79.64
		For Hot Dip Galvanizing, Add	*103.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.13*	
		For High Strength Low Alloy A588 Steel, Add	*91.39*	
		For Each Additional Top Copes >2, Add	*3.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-147.19*	
		For Skewed Or Sloped Connections, Add	*54.84*	
05 12 23 00-0250	LF	W30 x 191 A992/A36 Structural Beam Or Girder	432.39	89.56
		For Hot Dip Galvanizing, Add	*93.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.92*	
		For High Strength Low Alloy A588 Steel, Add	*86.48*	
		For Each Additional Top Copes >2, Add	*3.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-136.99*	
		For Skewed Or Sloped Connections, Add	*51.89*	
05 12 23 00-0251	LF	W30 x 173 A992/A36 Structural Beam Or Girder	395.42	76.00
		For Hot Dip Galvanizing, Add	*87.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.59*	
		For High Strength Low Alloy A588 Steel, Add	*79.08*	
		For Each Additional Top Copes >2, Add	*3.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-126.24*	
		For Skewed Or Sloped Connections, Add	*47.45*	
05 12 23 00-0252	LF	W30 x 154 A992/A36 Structural Beam Or Girder	373.07	87.41
		For Hot Dip Galvanizing, Add	*77.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.58*	
		For High Strength Low Alloy A588 Steel, Add	*74.61*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.59*	
		For Skewed Or Sloped Connections, Add	*44.77*	
05 12 23 00-0253	LF	W30 x 132 A992/A36 Structural Beam Or Girder	331.88	73.33
		For Hot Dip Galvanizing, Add	*70.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.87*	
		For High Strength Low Alloy A588 Steel, Add	*66.38*	
		For Each Additional Top Copes >2, Add	*2.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-104.43*	
		For Skewed Or Sloped Connections, Add	*39.83*	
05 12 23 00-0254	LF	W30 x 124 A992/A36 Structural Beam Or Girder	316.46	73.28
		For Hot Dip Galvanizing, Add	*66.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.48*	
		For High Strength Low Alloy A588 Steel, Add	*63.29*	
		For Each Additional Top Copes >2, Add	*2.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-99.04*	
		For Skewed Or Sloped Connections, Add	*37.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0255	LF	W30 x 116 A992/A36 Structural Beam Or Girder	313.86	85.25
		For Hot Dip Galvanizing, Add	*61.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.25*	
		For High Strength Low Alloy A588 Steel, Add	*62.77*	
		For Each Additional Top Copes >2, Add	*2.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-96.21*	
		For Skewed Or Sloped Connections, Add	*37.66*	
05 12 23 00-0256	LF	W30 x 108 A992/A36 Structural Beam Or Girder	290.47	76.77
		For Hot Dip Galvanizing, Add	*57.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.14*	
		For High Strength Low Alloy A588 Steel, Add	*58.09*	
		For Each Additional Top Copes >2, Add	*2.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.39*	
		For Skewed Or Sloped Connections, Add	*34.86*	
05 12 23 00-0257	LF	W30 x 99 A992/A36 Structural Beam Or Girder	277.47	76.39
		For Hot Dip Galvanizing, Add	*54.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.97*	
		For High Strength Low Alloy A588 Steel, Add	*55.49*	
		For Each Additional Top Copes >2, Add	*1.96*	
		For Structural Tees, WT, MT Or ST, Deduct	*-84.92*	
		For Skewed Or Sloped Connections, Add	*33.30*	
05 12 23 00-0258	LF	W27 x 178 A992/A36 Structural Beam Or Girder	439.28	88.99
		For Hot Dip Galvanizing, Add	*95.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.54*	
		For High Strength Low Alloy A588 Steel, Add	*87.86*	
		For Each Additional Top Copes >2, Add	*3.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-139.51*	
		For Skewed Or Sloped Connections, Add	*52.71*	
05 12 23 00-0259	LF	W27 x 161 A992/A36 Structural Beam Or Girder	402.81	85.63
		For Hot Dip Galvanizing, Add	*86.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.25*	
		For High Strength Low Alloy A588 Steel, Add	*80.56*	
		For Each Additional Top Copes >2, Add	*3.11*	
		For Structural Tees, WT, MT Or ST, Deduct	*-127.28*	
		For Skewed Or Sloped Connections, Add	*48.34*	
05 12 23 00-0260	LF	W27 x 146 A992/A36 Structural Beam Or Girder	370.56	82.60
		For Hot Dip Galvanizing, Add	*78.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.35*	
		For High Strength Low Alloy A588 Steel, Add	*74.11*	
		For Each Additional Top Copes >2, Add	*2.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.48*	
		For Skewed Or Sloped Connections, Add	*44.47*	
05 12 23 00-0261	LF	W27 x 114 A992/A36 Structural Beam Or Girder	293.73	68.62
		For Hot Dip Galvanizing, Add	*61.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.44*	
		For High Strength Low Alloy A588 Steel, Add	*58.75*	
		For Each Additional Top Copes >2, Add	*2.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-91.83*	
		For Skewed Or Sloped Connections, Add	*35.25*	
05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	278.78	76.39
		For Hot Dip Galvanizing, Add	*54.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.09*	
		For High Strength Low Alloy A588 Steel, Add	*55.76*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.36*	
		For Skewed Or Sloped Connections, Add	*33.45*	
05 12 23 00-0263	LF	W27 x 94 A992/A36 Structural Beam Or Girder	266.58	75.88
		For Hot Dip Galvanizing, Add	*51.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.99*	
		For High Strength Low Alloy A588 Steel, Add	*53.32*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.16*	
		For Skewed Or Sloped Connections, Add	*31.99*	
05 12 23 00-0264	LF	W27 x 84 A992/A36 Structural Beam Or Girder	251.67	75.38
		For Hot Dip Galvanizing, Add	*47.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.65*	
		For High Strength Low Alloy A588 Steel, Add	*50.33*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.04*	
		For Skewed Or Sloped Connections, Add	*30.20*	
05 12 23 00-0265	LF	W24 x 162 A992/A36 Structural Beam Or Girder	388.00	82.10
		For Hot Dip Galvanizing, Add	*83.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.92*	
		For High Strength Low Alloy A588 Steel, Add	*77.60*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-122.66*	
		For Skewed Or Sloped Connections, Add	*46.56*	
05 12 23 00-0266	LF	W24 x 146 A992/A36 Structural Beam Or Girder	354.72	78.70
		For Hot Dip Galvanizing, Add	*75.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.92*	
		For High Strength Low Alloy A588 Steel, Add	*70.94*	
		For Each Additional Top Copes >2, Add	*2.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-111.56*	
		For Skewed Or Sloped Connections, Add	*42.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0267	LF	W24 x 131 A992/A36 Structural Beam Or Girder	323.07	75.13
		For Hot Dip Galvanizing, Add	*67.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.08*	
		For High Strength Low Alloy A588 Steel, Add	*64.61*	
		For Each Additional Top Copes >2, Add	*2.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-101.06*	
		For Skewed Or Sloped Connections, Add	*38.77*	
05 12 23 00-0268	LF	W24 x 117 A992/A36 Structural Beam Or Girder	293.11	71.38
		For Hot Dip Galvanizing, Add	*60.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.38*	
		For High Strength Low Alloy A588 Steel, Add	*58.62*	
		For Each Additional Top Copes >2, Add	*2.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-91.17*	
		For Skewed Or Sloped Connections, Add	*35.17*	
05 12 23 00-0269	LF	W24 x 104 A992/A36 Structural Beam Or Girder	264.86	67.50
		For Hot Dip Galvanizing, Add	*53.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.84*	
		For High Strength Low Alloy A588 Steel, Add	*52.97*	
		For Each Additional Top Copes >2, Add	*1.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.90*	
		For Skewed Or Sloped Connections, Add	*31.78*	
05 12 23 00-0270	LF	W24 x 94 A992/A36 Structural Beam Or Girder	255.27	75.88
		For Hot Dip Galvanizing, Add	*48.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.97*	
		For High Strength Low Alloy A588 Steel, Add	*51.05*	
		For Each Additional Top Copes >2, Add	*1.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.20*	
		For Skewed Or Sloped Connections, Add	*30.63*	
05 12 23 00-0271	LF	W24 x 84 A992/A36 Structural Beam Or Girder	232.87	67.26
		For Hot Dip Galvanizing, Add	*44.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.96*	
		For High Strength Low Alloy A588 Steel, Add	*46.57*	
		For Each Additional Top Copes >2, Add	*1.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.73*	
		For Skewed Or Sloped Connections, Add	*27.94*	
05 12 23 00-0272	LF	W24 x 76 A992/A36 Structural Beam Or Girder	221.45	66.76
		For Hot Dip Galvanizing, Add	*41.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.93*	
		For High Strength Low Alloy A588 Steel, Add	*44.29*	
		For Each Additional Top Copes >2, Add	*1.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.81*	
		For Skewed Or Sloped Connections, Add	*26.57*	
05 12 23 00-0273	LF	W24 x 68 A992/A36 Structural Beam Or Girder	207.07	66.38
		For Hot Dip Galvanizing, Add	*37.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.64*	
		For High Strength Low Alloy A588 Steel, Add	*41.41*	
		For Each Additional Top Copes >2, Add	*1.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.85*	
		For Skewed Or Sloped Connections, Add	*24.85*	
05 12 23 00-0274	LF	W24 x 62 A992/A36 Structural Beam Or Girder	199.55	66.00
		For Hot Dip Galvanizing, Add	*35.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.96*	
		For High Strength Low Alloy A588 Steel, Add	*39.91*	
		For Each Additional Top Copes >2, Add	*1.29*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.28*	
		For Skewed Or Sloped Connections, Add	*23.95*	
05 12 23 00-0275	LF	W24 x 55 A992/A36 Structural Beam Or Girder	189.24	65.75
		For Hot Dip Galvanizing, Add	*33.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.03*	
		For High Strength Low Alloy A588 Steel, Add	*37.85*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.73*	
		For Skewed Or Sloped Connections, Add	*22.71*	
05 12 23 00-0276	LF	W21 x 147 A992/A36 Structural Beam Or Girder	339.72	67.51
		For Hot Dip Galvanizing, Add	*74.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.57*	
		For High Strength Low Alloy A588 Steel, Add	*67.94*	
		For Each Additional Top Copes >2, Add	*2.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-108.10*	
		For Skewed Or Sloped Connections, Add	*40.77*	
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	309.19	64.50
		For Hot Dip Galvanizing, Add	*66.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.83*	
		For High Strength Low Alloy A588 Steel, Add	*61.84*	
		For Each Additional Top Copes >2, Add	*2.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.90*	
		For Skewed Or Sloped Connections, Add	*37.10*	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	289.82	63.42
		For Hot Dip Galvanizing, Add	*61.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.08*	
		For High Strength Low Alloy A588 Steel, Add	*57.96*	
		For Each Additional Top Copes >2, Add	*2.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-91.29*	
		For Skewed Or Sloped Connections, Add	*34.78*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	267.63	61.38
		For Hot Dip Galvanizing, Add	*56.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.09*	
		For High Strength Low Alloy A588 Steel, Add	*53.53*	
		For Each Additional Top Copes >2, Add	*2.02*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.85*	
		For Skewed Or Sloped Connections, Add	*32.12*	
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	247.31	59.42
		For Hot Dip Galvanizing, Add	*51.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.26*	
		For High Strength Low Alloy A588 Steel, Add	*49.46*	
		For Each Additional Top Copes >2, Add	*1.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.05*	
		For Skewed Or Sloped Connections, Add	*29.68*	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	241.96	68.03
		For Hot Dip Galvanizing, Add	*47.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.78*	
		For High Strength Low Alloy A588 Steel, Add	*48.39*	
		For Each Additional Top Copes >2, Add	*1.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.80*	
		For Skewed Or Sloped Connections, Add	*29.04*	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	228.50	67.26
		For Hot Dip Galvanizing, Add	*43.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.57*	
		For High Strength Low Alloy A588 Steel, Add	*45.70*	
		For Each Additional Top Copes >2, Add	*1.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.20*	
		For Skewed Or Sloped Connections, Add	*27.42*	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	212.00	66.76
		For Hot Dip Galvanizing, Add	*39.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.08*	
		For High Strength Low Alloy A588 Steel, Add	*42.40*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.52*	
		For Skewed Or Sloped Connections, Add	*25.44*	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	203.70	66.38
		For Hot Dip Galvanizing, Add	*36.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.33*	
		For High Strength Low Alloy A588 Steel, Add	*40.74*	
		For Each Additional Top Copes >2, Add	*1.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.67*	
		For Skewed Or Sloped Connections, Add	*24.44*	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	196.18	66.00
		For Hot Dip Galvanizing, Add	*34.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.66*	
		For High Strength Low Alloy A588 Steel, Add	*39.24*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.10*	
		For Skewed Or Sloped Connections, Add	*23.54*	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	189.37	65.88
		For Hot Dip Galvanizing, Add	*33.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.04*	
		For High Strength Low Alloy A588 Steel, Add	*37.87*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.75*	
		For Skewed Or Sloped Connections, Add	*22.72*	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	167.95	57.14
		For Hot Dip Galvanizing, Add	*29.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.12*	
		For High Strength Low Alloy A588 Steel, Add	*33.59*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.62*	
		For Skewed Or Sloped Connections, Add	*20.15*	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	160.04	56.88
		For Hot Dip Galvanizing, Add	*27.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.40*	
		For High Strength Low Alloy A588 Steel, Add	*32.01*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.91*	
		For Skewed Or Sloped Connections, Add	*19.20*	
05 12 23 00-0289	LF	W18 x 119 A992/A36 Structural Beam Or Girder	281.76	63.20
		For Hot Dip Galvanizing, Add	*59.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.36*	
		For High Strength Low Alloy A588 Steel, Add	*56.35*	
		For Each Additional Top Copes >2, Add	*2.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.50*	
		For Skewed Or Sloped Connections, Add	*33.81*	
05 12 23 00-0290	LF	W18 x 106 A992/A36 Structural Beam Or Girder	254.81	59.89
		For Hot Dip Galvanizing, Add	*52.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.93*	
		For High Strength Low Alloy A588 Steel, Add	*50.96*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.60*	
		For Skewed Or Sloped Connections, Add	*30.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0291	LF	W18 x 97 A992/A36 Structural Beam Or Girder	247.44	68.03
		For Hot Dip Galvanizing, Add	*48.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.27*	
		For High Strength Low Alloy A588 Steel, Add	*49.49*	
		For Each Additional Top Copes >2, Add	*1.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.70*	
		For Skewed Or Sloped Connections, Add	*29.69*	
05 12 23 00-0292	LF	W18 x 86 A992/A36 Structural Beam Or Girder	231.99	67.39
		For Hot Dip Galvanizing, Add	*44.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.88*	
		For High Strength Low Alloy A588 Steel, Add	*46.40*	
		For Each Additional Top Copes >2, Add	*1.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.40*	
		For Skewed Or Sloped Connections, Add	*27.84*	
05 12 23 00-0293	LF	W18 x 76 A992/A36 Structural Beam Or Girder	218.08	66.76
		For Hot Dip Galvanizing, Add	*40.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.63*	
		For High Strength Low Alloy A588 Steel, Add	*48.62*	
		For Each Additional Top Copes >2, Add	*1.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.63*	
		For Skewed Or Sloped Connections, Add	*26.17*	
05 12 23 00-0294	LF	W18 x 71 A992/A36 Structural Beam Or Girder	207.91	66.64
		For Hot Dip Galvanizing, Add	*37.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.71*	
		For High Strength Low Alloy A588 Steel, Add	*41.58*	
		For Each Additional Top Copes >2, Add	*1.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.11*	
		For Skewed Or Sloped Connections, Add	*24.95*	
05 12 23 00-0295	LF	W18 x 65 A992/A36 Structural Beam Or Girder	198.01	66.38
		For Hot Dip Galvanizing, Add	*35.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.82*	
		For High Strength Low Alloy A588 Steel, Add	*39.60*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.70*	
		For Skewed Or Sloped Connections, Add	*23.76*	
05 12 23 00-0296	LF	W18 x 60 A992/A36 Structural Beam Or Girder	189.09	65.88
		For Hot Dip Galvanizing, Add	*32.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.02*	
		For High Strength Low Alloy A588 Steel, Add	*37.82*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.64*	
		For Skewed Or Sloped Connections, Add	*22.69*	
05 12 23 00-0297	LF	W18 x 55 A992/A36 Structural Beam Or Girder	180.12	65.75
		For Hot Dip Galvanizing, Add	*30.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.21*	
		For High Strength Low Alloy A588 Steel, Add	*36.02*	
		For Each Additional Top Copes >2, Add	*1.10*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.53*	
		For Skewed Or Sloped Connections, Add	*21.61*	
05 12 23 00-0298	LF	W18 x 50 A992/A36 Structural Beam Or Girder	162.40	57.14
		For Hot Dip Galvanizing, Add	*28.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.62*	
		For High Strength Low Alloy A588 Steel, Add	*32.48*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.68*	
		For Skewed Or Sloped Connections, Add	*19.49*	
05 12 23 00-0299	LF	W18 x 46 A992/A36 Structural Beam Or Girder	155.40	57.00
		For Hot Dip Galvanizing, Add	*26.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.99*	
		For High Strength Low Alloy A588 Steel, Add	*31.08*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.27*	
		For Skewed Or Sloped Connections, Add	*18.65*	
05 12 23 00-0300	LF	W18 x 40 A992/A36 Structural Beam Or Girder	136.03	48.65
		For Hot Dip Galvanizing, Add	*23.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.24*	
		For High Strength Low Alloy A588 Steel, Add	*27.21*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.82*	
		For Skewed Or Sloped Connections, Add	*16.32*	
05 12 23 00-0301	LF	W18 x 35 A992/A36 Structural Beam Or Girder	127.25	48.51
		For Hot Dip Galvanizing, Add	*20.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.45*	
		For High Strength Low Alloy A588 Steel, Add	*25.45*	
		For Each Additional Top Copes >2, Add	*0.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.78*	
		For Skewed Or Sloped Connections, Add	*15.27*	
05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	234.93	44.21
		For Hot Dip Galvanizing, Add	*52.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.14*	
		For High Strength Low Alloy A588 Steel, Add	*46.99*	
		For Each Additional Top Copes >2, Add	*1.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.16*	
		For Skewed Or Sloped Connections, Add	*28.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	215.13	43.45
		For Hot Dip Galvanizing, Add	*46.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.36*	
		For High Strength Low Alloy A588 Steel, Add	*43.03*	
		For Each Additional Top Copes >2, Add	*1.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.34*	
		For Skewed Or Sloped Connections, Add	*25.82*	
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	193.88	42.94
		For Hot Dip Galvanizing, Add	*41.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.45*	
		For High Strength Low Alloy A588 Steel, Add	*38.78*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.00*	
		For Skewed Or Sloped Connections, Add	*23.27*	
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	175.79	42.31
		For Hot Dip Galvanizing, Add	*36.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.82*	
		For High Strength Low Alloy A588 Steel, Add	*35.16*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.76*	
		For Skewed Or Sloped Connections, Add	*21.09*	
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	157.90	41.68
		For Hot Dip Galvanizing, Add	*31.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.21*	
		For High Strength Low Alloy A588 Steel, Add	*31.58*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.60*	
		For Skewed Or Sloped Connections, Add	*18.95*	
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	145.43	41.30
		For Hot Dip Galvanizing, Add	*28.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.09*	
		For High Strength Low Alloy A588 Steel, Add	*29.09*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.29*	
		For Skewed Or Sloped Connections, Add	*17.45*	
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	136.64	41.04
		For Hot Dip Galvanizing, Add	*25.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.30*	
		For High Strength Low Alloy A588 Steel, Add	*27.33*	
		For Each Additional Top Copes >2, Add	*0.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.25*	
		For Skewed Or Sloped Connections, Add	*16.40*	
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	127.54	40.66
		For Hot Dip Galvanizing, Add	*23.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.48*	
		For High Strength Low Alloy A588 Steel, Add	*25.51*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.12*	
		For Skewed Or Sloped Connections, Add	*15.30*	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	120.42	40.41
		For Hot Dip Galvanizing, Add	*21.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.84*	
		For High Strength Low Alloy A588 Steel, Add	*24.08*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.69*	
		For Skewed Or Sloped Connections, Add	*14.45*	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	102.95	32.18
		For Hot Dip Galvanizing, Add	*19.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.27*	
		For High Strength Low Alloy A588 Steel, Add	*20.59*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.88*	
		For Skewed Or Sloped Connections, Add	*12.35*	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	91.48	31.80
		For Hot Dip Galvanizing, Add	*15.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.23*	
		For High Strength Low Alloy A588 Steel, Add	*18.30*	
		For Each Additional Top Copes >2, Add	*0.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.93*	
		For Skewed Or Sloped Connections, Add	*10.98*	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	224.66	36.23
		For Hot Dip Galvanizing, Add	*51.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.22*	
		For High Strength Low Alloy A588 Steel, Add	*44.93*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.84*	
		For Skewed Or Sloped Connections, Add	*26.96*	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	208.56	35.60
		For Hot Dip Galvanizing, Add	*47.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.77*	
		For High Strength Low Alloy A588 Steel, Add	*41.71*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.30*	
		For Skewed Or Sloped Connections, Add	*25.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	194.17	35.21
		For Hot Dip Galvanizing, Add	*43.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.48*	
		For High Strength Low Alloy A588 Steel, Add	*38.83*	
		For Each Additional Top Copes >2, Add	*1.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.33*	
		For Skewed Or Sloped Connections, Add	*23.30*	
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	179.79	34.71
		For Hot Dip Galvanizing, Add	*39.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.18*	
		For High Strength Low Alloy A588 Steel, Add	*35.96*	
		For Each Additional Top Copes >2, Add	*1.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.38*	
		For Skewed Or Sloped Connections, Add	*21.57*	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	169.09	34.33
		For Hot Dip Galvanizing, Add	*36.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.22*	
		For High Strength Low Alloy A588 Steel, Add	*33.82*	
		For Each Additional Top Copes >2, Add	*1.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.69*	
		For Skewed Or Sloped Connections, Add	*20.29*	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	156.61	33.95
		For Hot Dip Galvanizing, Add	*33.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.09*	
		For High Strength Low Alloy A588 Steel, Add	*31.32*	
		For Each Additional Top Copes >2, Add	*1.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.38*	
		For Skewed Or Sloped Connections, Add	*18.79*	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	142.43	33.44
		For Hot Dip Galvanizing, Add	*29.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.82*	
		For High Strength Low Alloy A588 Steel, Add	*28.49*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.49*	
		For Skewed Or Sloped Connections, Add	*17.09*	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	133.31	33.06
		For Hot Dip Galvanizing, Add	*27.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.00*	
		For High Strength Low Alloy A588 Steel, Add	*26.66*	
		For Each Additional Top Copes >2, Add	*0.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.36*	
		For Skewed Or Sloped Connections, Add	*16.00*	
05 12 23 00-0321	LF	W14 x 43 A992/A36 Structural Beam Or Girder	124.33	32.94
		For Hot Dip Galvanizing, Add	*24.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.19*	
		For High Strength Low Alloy A588 Steel, Add	*24.87*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.25*	
		For Skewed Or Sloped Connections, Add	*14.92*	
05 12 23 00-0322	LF	W14 x 38 A992/A36 Structural Beam Or Girder	115.43	32.69
		For Hot Dip Galvanizing, Add	*22.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.39*	
		For High Strength Low Alloy A588 Steel, Add	*23.09*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.19*	
		For Skewed Or Sloped Connections, Add	*13.85*	
05 12 23 00-0323	LF	W14 x 34 A992/A36 Structural Beam Or Girder	108.23	32.30
		For Hot Dip Galvanizing, Add	*20.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.74*	
		For High Strength Low Alloy A588 Steel, Add	*21.65*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.71*	
		For Skewed Or Sloped Connections, Add	*12.99*	
05 12 23 00-0324	LF	W14 x 30 A992/A36 Structural Beam Or Girder	101.03	32.18
		For Hot Dip Galvanizing, Add	*18.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.09*	
		For High Strength Low Alloy A588 Steel, Add	*20.21*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.23*	
		For Skewed Or Sloped Connections, Add	*12.12*	
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	93.84	31.80
		For Hot Dip Galvanizing, Add	*16.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.45*	
		For High Strength Low Alloy A588 Steel, Add	*18.77*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.75*	
		For Skewed Or Sloped Connections, Add	*11.26*	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	86.85	31.67
		For Hot Dip Galvanizing, Add	*14.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.82*	
		For High Strength Low Alloy A588 Steel, Add	*17.37*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.34*	
		For Skewed Or Sloped Connections, Add	*10.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0327	LF	W12 x 87 A992/A36 Structural Beam Or Girder	203.28	35.47
		For Hot Dip Galvanizing, Add	*45.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.30*	
		For High Strength Low Alloy A588 Steel, Add	*40.66*	
		For Each Additional Top Copes >2, Add	*1.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.47*	
		For Skewed Or Sloped Connections, Add	*24.39*	
05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	188.89	34.96
		For Hot Dip Galvanizing, Add	*42.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.00*	
		For High Strength Low Alloy A588 Steel, Add	*37.78*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.51*	
		For Skewed Or Sloped Connections, Add	*22.67*	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	176.28	34.59
		For Hot Dip Galvanizing, Add	*38.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.87*	
		For High Strength Low Alloy A588 Steel, Add	*35.26*	
		For Each Additional Top Copes >2, Add	*1.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.17*	
		For Skewed Or Sloped Connections, Add	*21.15*	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	163.81	34.20
		For Hot Dip Galvanizing, Add	*35.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.74*	
		For High Strength Low Alloy A588 Steel, Add	*32.76*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.86*	
		For Skewed Or Sloped Connections, Add	*19.66*	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	151.20	33.70
		For Hot Dip Galvanizing, Add	*31.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.61*	
		For High Strength Low Alloy A588 Steel, Add	*30.24*	
		For Each Additional Top Copes >2, Add	*1.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.52*	
		For Skewed Or Sloped Connections, Add	*18.14*	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	142.43	33.44
		For Hot Dip Galvanizing, Add	*29.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.82*	
		For High Strength Low Alloy A588 Steel, Add	*28.49*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.49*	
		For Skewed Or Sloped Connections, Add	*17.09*	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	136.81	33.31
		For Hot Dip Galvanizing, Add	*28.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.31*	
		For High Strength Low Alloy A588 Steel, Add	*27.36*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.56*	
		For Skewed Or Sloped Connections, Add	*16.42*	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	128.02	33.06
		For Hot Dip Galvanizing, Add	*25.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.52*	
		For High Strength Low Alloy A588 Steel, Add	*25.60*	
		For Each Additional Top Copes >2, Add	*0.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.53*	
		For Skewed Or Sloped Connections, Add	*15.36*	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	110.31	24.58
		For Hot Dip Galvanizing, Add	*23.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.93*	
		For High Strength Low Alloy A588 Steel, Add	*22.06*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.68*	
		For Skewed Or Sloped Connections, Add	*13.24*	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	101.53	24.45
		For Hot Dip Galvanizing, Add	*20.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.14*	
		For High Strength Low Alloy A588 Steel, Add	*20.31*	
		For Each Additional Top Copes >2, Add	*0.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.64*	
		For Skewed Or Sloped Connections, Add	*12.18*	
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	92.42	24.07
		For Hot Dip Galvanizing, Add	*18.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.32*	
		For High Strength Low Alloy A588 Steel, Add	*18.48*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.51*	
		For Skewed Or Sloped Connections, Add	*11.09*	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	85.23	23.81
		For Hot Dip Galvanizing, Add	*16.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.67*	
		For High Strength Low Alloy A588 Steel, Add	*17.05*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.03*	
		For Skewed Or Sloped Connections, Add	*10.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	78.24	23.56
		For Hot Dip Galvanizing, Add	*14.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.04*	
		For High Strength Low Alloy A588 Steel, Add	*15.65*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.62*	
		For Skewed Or Sloped Connections, Add	*9.39*	
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	72.75	23.44
		For Hot Dip Galvanizing, Add	*13.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.55*	
		For High Strength Low Alloy A588 Steel, Add	*14.55*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.72*	
		For Skewed Or Sloped Connections, Add	*8.73*	
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	67.34	23.05
		For Hot Dip Galvanizing, Add	*11.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.06*	
		For High Strength Low Alloy A588 Steel, Add	*18.47*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.86*	
		For Skewed Or Sloped Connections, Add	*8.08*	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	63.85	23.05
		For Hot Dip Galvanizing, Add	*10.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.75*	
		For High Strength Low Alloy A588 Steel, Add	*12.77*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.66*	
		For Skewed Or Sloped Connections, Add	*7.66*	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	161.01	26.48
		For Hot Dip Galvanizing, Add	*36.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.49*	
		For High Strength Low Alloy A588 Steel, Add	*32.20*	
		For Each Additional Top Copes >2, Add	*1.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.13*	
		For Skewed Or Sloped Connections, Add	*19.32*	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	146.80	25.97
		For Hot Dip Galvanizing, Add	*33.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.21*	
		For High Strength Low Alloy A588 Steel, Add	*29.36*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.24*	
		For Skewed Or Sloped Connections, Add	*17.62*	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	135.92	25.46
		For Hot Dip Galvanizing, Add	*30.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.23*	
		For High Strength Low Alloy A588 Steel, Add	*27.18*	
		For Each Additional Top Copes >2, Add	*1.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.49*	
		For Skewed Or Sloped Connections, Add	*16.31*	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	127.00	25.21
		For Hot Dip Galvanizing, Add	*27.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.43*	
		For High Strength Low Alloy A588 Steel, Add	*25.40*	
		For Each Additional Top Copes >2, Add	*1.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.42*	
		For Skewed Or Sloped Connections, Add	*15.24*	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	119.81	25.09
		For Hot Dip Galvanizing, Add	*25.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.78*	
		For High Strength Low Alloy A588 Steel, Add	*23.96*	
		For Each Additional Top Copes >2, Add	*0.93*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.94*	
		For Skewed Or Sloped Connections, Add	*14.38*	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	109.13	24.58
		For Hot Dip Galvanizing, Add	*23.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.82*	
		For High Strength Low Alloy A588 Steel, Add	*21.83*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.26*	
		For Skewed Or Sloped Connections, Add	*13.10*	
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	98.43	24.20
		For Hot Dip Galvanizing, Add	*20.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.86*	
		For High Strength Low Alloy A588 Steel, Add	*19.69*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.57*	
		For Skewed Or Sloped Connections, Add	*11.81*	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	92.94	24.07
		For Hot Dip Galvanizing, Add	*18.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.36*	
		For High Strength Low Alloy A588 Steel, Add	*18.59*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.67*	
		For Skewed Or Sloped Connections, Add	*11.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	85.95	23.94
		For Hot Dip Galvanizing, Add	*16.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.74*	
		For High Strength Low Alloy A588 Steel, Add	*17.19*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.26*	
		For Skewed Or Sloped Connections, Add	*10.31*	
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	78.64	23.56
		For Hot Dip Galvanizing, Add	*14.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.08*	
		For High Strength Low Alloy A588 Steel, Add	*15.73*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.76*	
		For Skewed Or Sloped Connections, Add	*9.44*	
05 12 23 00-0353	LF	W10 x 19 A992/A36 Structural Beam Or Girder	73.34	23.44
		For Hot Dip Galvanizing, Add	*13.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.60*	
		For High Strength Low Alloy A588 Steel, Add	*14.67*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.93*	
		For Skewed Or Sloped Connections, Add	*8.80*	
05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	69.65	23.31
		For Hot Dip Galvanizing, Add	*12.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.27*	
		For High Strength Low Alloy A588 Steel, Add	*13.93*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.65*	
		For Skewed Or Sloped Connections, Add	*8.36*	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	66.15	23.05
		For Hot Dip Galvanizing, Add	*11.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.95*	
		For High Strength Low Alloy A588 Steel, Add	*13.23*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.45*	
		For Skewed Or Sloped Connections, Add	*7.94*	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	60.87	23.05
		For Hot Dip Galvanizing, Add	*10.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.48*	
		For High Strength Low Alloy A588 Steel, Add	*12.17*	
		For Each Additional Top Copes >2, Add	*0.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.62*	
		For Skewed Or Sloped Connections, Add	*7.30*	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	101.93	24.45
		For Hot Dip Galvanizing, Add	*21.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.17*	
		For High Strength Low Alloy A588 Steel, Add	*20.39*	
		For Each Additional Top Copes >2, Add	*0.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.78*	
		For Skewed Or Sloped Connections, Add	*12.23*	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	94.73	24.07
		For Hot Dip Galvanizing, Add	*19.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.53*	
		For High Strength Low Alloy A588 Steel, Add	*18.95*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.30*	
		For Skewed Or Sloped Connections, Add	*11.37*	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	100.50	22.68
		For Hot Dip Galvanizing, Add	*21.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.05*	
		For High Strength Low Alloy A588 Steel, Add	*20.10*	
		For Each Additional Top Copes >2, Add	*0.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.55*	
		For Skewed Or Sloped Connections, Add	*12.06*	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	91.43	21.29
		For Hot Dip Galvanizing, Add	*19.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.23*	
		For High Strength Low Alloy A588 Steel, Add	*18.29*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.60*	
		For Skewed Or Sloped Connections, Add	*10.97*	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	85.05	19.76
		For Hot Dip Galvanizing, Add	*17.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.65*	
		For High Strength Low Alloy A588 Steel, Add	*17.01*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.60*	
		For Skewed Or Sloped Connections, Add	*10.21*	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	74.05	18.36
		For Hot Dip Galvanizing, Add	*15.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.66*	
		For High Strength Low Alloy A588 Steel, Add	*14.81*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.97*	
		For Skewed Or Sloped Connections, Add	*8.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	38.25	13.18
		For Hot Dip Galvanizing, Add	*6.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.44*	
		For High Strength Low Alloy A588 Steel, Add	*7.65*	
		For Each Additional Top Copes >2, Add	*0.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.30*	
		For Skewed Or Sloped Connections, Add	*4.59*	
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	35.40	10.76
		For Hot Dip Galvanizing, Add	*6.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.19*	
		For High Strength Low Alloy A588 Steel, Add	*7.08*	
		For Each Additional Top Copes >2, Add	*0.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.68*	
		For Skewed Or Sloped Connections, Add	*4.25*	
05 12 23 00-0365		A992/A36 Structural Steel, M Shapes *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	67.69	16.65
		For Hot Dip Galvanizing, Add	*13.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.54*	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	48.44	14.73
		For Hot Dip Galvanizing, Add	*9.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.69*	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel	37.57	11.82
		For Hot Dip Galvanizing, Add	*6.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.51*	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel	27.14	8.53
		For Hot Dip Galvanizing, Add	*5.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.43*	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel	77.03	20.40
		For Hot Dip Galvanizing, Add	*15.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.41*	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel	18.36	5.77
		For Hot Dip Galvanizing, Add	*3.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.67*	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel	74.14	20.40
		For Hot Dip Galvanizing, Add	*14.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.83*	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel	60.76	20.01
		For Hot Dip Galvanizing, Add	*10.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.15*	
05 12 23 00-0374		A992/A36 Structural Steel, S Shapes *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel	407.93	84.34
		For Hot Dip Galvanizing, Add	*88.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*81.59*	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel	361.51	77.78
		For Hot Dip Galvanizing, Add	*77.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*72.30*	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel	345.16	77.23
		For Hot Dip Galvanizing, Add	*72.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.03*	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel	314.55	73.16
		For Hot Dip Galvanizing, Add	*65.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*62.91*	
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel	283.24	68.47
		For Hot Dip Galvanizing, Add	*58.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*56.65*	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel	331.36	74.14
		For Hot Dip Galvanizing, Add	*70.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*66.27*	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel	300.56	69.92
		For Hot Dip Galvanizing, Add	*62.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.11*	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel	265.53	64.19
		For Hot Dip Galvanizing, Add	*54.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel	236.84	59.45
		For Hot Dip Galvanizing, Add	*48.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.37*	
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel	251.20	63.06
		For Hot Dip Galvanizing, Add	*51.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.24*	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel	199.06	51.86
		For Hot Dip Galvanizing, Add	*39.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.81*	
05 12 23 00-0386	LF	S15 x 50 A992/A36 Structural Steel	184.62	49.91
		For Hot Dip Galvanizing, Add	*36.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.92*	
05 12 23 00-0387	LF	S15 x 42.9 A992/A36 Structural Steel	160.81	45.07
		For Hot Dip Galvanizing, Add	*31.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.16*	
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	181.96	47.41
		For Hot Dip Galvanizing, Add	*36.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.39*	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	150.64	40.73
		For Hot Dip Galvanizing, Add	*29.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.13*	
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	131.19	36.77
		For Hot Dip Galvanizing, Add	*25.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.24*	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	121.08	35.17
		For Hot Dip Galvanizing, Add	*23.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.22*	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	133.26	38.72
		For Hot Dip Galvanizing, Add	*25.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.99*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.65*	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	98.29	29.57
		For Hot Dip Galvanizing, Add	*18.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.66*	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	89.00	26.77
		For Hot Dip Galvanizing, Add	*16.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.80*	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	72.40	22.55
		For Hot Dip Galvanizing, Add	*13.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.48*	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	78.69	24.51
		For Hot Dip Galvanizing, Add	*14.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.74*	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	61.26	19.74
		For Hot Dip Galvanizing, Add	*11.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.25*	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	68.15	21.39
		For Hot Dip Galvanizing, Add	*12.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.63*	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	58.33	19.76
		For Hot Dip Galvanizing, Add	*10.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.67*	
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	62.18	20.14
		For Hot Dip Galvanizing, Add	*11.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.44*	
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	52.67	19.64
		For Hot Dip Galvanizing, Add	*8.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.53*	
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	51.20	19.64
		For Hot Dip Galvanizing, Add	*8.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.24*	
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	47.81	19.64
		For Hot Dip Galvanizing, Add	*7.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	47.48	19.64
		For Hot Dip Galvanizing, Add	*7.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.50*	
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	43.45	19.51
		For Hot Dip Galvanizing, Add	*6.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.69*	
05 12 23 00-0406		A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	252.50	24.99
		For Hot Dip Galvanizing, Add	*62.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.50*	
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	220.88	23.25
		For Hot Dip Galvanizing, Add	*54.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*44.18*	
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	196.74	21.81
		For Hot Dip Galvanizing, Add	*48.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.35*	
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	162.77	20.55
		For Hot Dip Galvanizing, Add	*39.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.55*	
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	216.55	22.80
		For Hot Dip Galvanizing, Add	*53.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.31*	
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	192.32	21.32
		For Hot Dip Galvanizing, Add	*47.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.46*	
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	162.77	20.55
		For Hot Dip Galvanizing, Add	*39.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.55*	
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	137.81	19.70
		For Hot Dip Galvanizing, Add	*32.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.56*	
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	181.33	22.49
		For Hot Dip Galvanizing, Add	*43.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.27*	
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	160.14	21.21
		For Hot Dip Galvanizing, Add	*38.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.03*	
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	137.80	19.50
		For Hot Dip Galvanizing, Add	*32.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.56*	
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	126.33	18.54
		For Hot Dip Galvanizing, Add	*29.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.27*	
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	133.10	19.02
		For Hot Dip Galvanizing, Add	*31.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.62*	
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	109.59	17.83
		For Hot Dip Galvanizing, Add	*25.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.92*	
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel	95.23	16.81
		For Hot Dip Galvanizing, Add	*21.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.05*	
05 12 23 00-0422		Lightweight Framing Steel Shapes *(05 12 23)*		
		Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0423		Angle Iron - L *(05 12 23 00-0422)*		
05 12 23 00-0424		1/8" Thick *(05 12 23 00-0423)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.84	1.70
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.50*	
		For 316 Stainless Steel, Add	*1.79*	
		For Galvanized Steel, Add	*0.35*	
		For Aluminum, Add	*0.10*	
		For 304 Stainless Steel, Add	*1.60*	
		For High Strength Steel (HSS), Add	*0.57*	
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.29	1.93
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000, Deduct	*-0.57*	
		For 316 Stainless Steel, Add	*2.27*	
		For Galvanized Steel, Add	*0.44*	
		For Aluminum, Add	*0.13*	
		For 304 Stainless Steel, Add	*2.02*	
		For High Strength Steel (HSS), Add	*0.66*	
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	3.72	2.14
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.63*	
		For 316 Stainless Steel, Add	*2.82*	
		For Galvanized Steel, Add	*0.55*	
		For Aluminum, Add	*0.16*	
		For 304 Stainless Steel, Add	*2.51*	
		For High Strength Steel (HSS), Add	*0.74*	
05 12 23 00-0428	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.18	2.37
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-0.71*	
		For 316 Stainless Steel, Add	*3.26*	
		For Galvanized Steel, Add	*0.63*	
		For Aluminum, Add	*0.18*	
		For 304 Stainless Steel, Add	*2.91*	
		For High Strength Steel (HSS), Add	*0.84*	
05 12 23 00-0429	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.61	2.56
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.77*	
		For 316 Stainless Steel, Add	*3.81*	
		For Galvanized Steel, Add	*0.74*	
		For Aluminum, Add	*0.21*	
		For 304 Stainless Steel, Add	*3.39*	
		For High Strength Steel (HSS), Add	*0.92*	
05 12 23 00-0430	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.52	3.01
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.92*	
		For 316 Stainless Steel, Add	*4.80*	
		For Galvanized Steel, Add	*0.93*	
		For Aluminum, Add	*0.27*	
		For 304 Stainless Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*1.10*	
05 12 23 00-0431	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.52	3.01
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.92*	
		For 316 Stainless Steel, Add	*4.80*	
		For Galvanized Steel, Add	*0.93*	
		For Aluminum, Add	*0.27*	
		For 304 Stainless Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*1.10*	
05 12 23 00-0432	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.12	3.23
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.00*	
		For 316 Stainless Steel, Add	*5.79*	
		For Galvanized Steel, Add	*1.12*	
		For Aluminum, Add	*0.33*	
		For 304 Stainless Steel, Add	*5.16*	
		For High Strength Steel (HSS), Add	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0433	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.60	3.34
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.05*	
		For 316 Stainless Steel, Add	*6.85*	
		For Galvanized Steel, Add	*1.33*	
		For Aluminum, Add	*0.39*	
		For 304 Stainless Steel, Add	*6.10*	
		For High Strength Steel (HSS), Add	*1.32*	
05 12 23 00-0434	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.60	3.34
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.05*	
		For 316 Stainless Steel, Add	*6.85*	
		For Galvanized Steel, Add	*1.33*	
		For Aluminum, Add	*0.39*	
		For 304 Stainless Steel, Add	*6.10*	
		For High Strength Steel (HSS), Add	*1.32*	
05 12 23 00-0435	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.07	3.46
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.11*	
		For 316 Stainless Steel, Add	*7.87*	
		For Galvanized Steel, Add	*1.53*	
		For Aluminum, Add	*0.44*	
		For 304 Stainless Steel, Add	*7.01*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0436		3/16" Thick *(05 12 23 00-0423)*		
05 12 23 00-0437	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.33	2.71
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.85*	
		For 316 Stainless Steel, Add	*5.50*	
		For Galvanized Steel, Add	*1.07*	
		For Aluminum, Add	*0.31*	
		For 304 Stainless Steel, Add	*4.90*	
		For High Strength Steel (HSS), Add	*1.07*	
05 12 23 00-0438	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.45	3.18
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.02*	
		For 316 Stainless Steel, Add	*7.04*	
		For Galvanized Steel, Add	*1.36*	
		For Aluminum, Add	*0.40*	
		For 304 Stainless Steel, Add	*6.27*	
		For High Strength Steel (HSS), Add	*1.29*	
05 12 23 00-0439	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.45	3.18
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.02*	
		For 316 Stainless Steel, Add	*7.04*	
		For Galvanized Steel, Add	*1.36*	
		For Aluminum, Add	*0.40*	
		For 304 Stainless Steel, Add	*6.27*	
		For High Strength Steel (HSS), Add	*1.29*	
05 12 23 00-0440	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.22	3.42
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.11*	
		For 316 Stainless Steel, Add	*8.54*	
		For Galvanized Steel, Add	*1.66*	
		For Aluminum, Add	*0.48*	
		For 304 Stainless Steel, Add	*7.61*	
		For High Strength Steel (HSS), Add	*1.44*	
05 12 23 00-0441	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.88	3.54
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.18*	
		For 316 Stainless Steel, Add	*10.11*	
		For Galvanized Steel, Add	*1.96*	
		For Aluminum, Add	*0.57*	
		For 304 Stainless Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0442	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.88	3.54
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.18*	
		For 316 Stainless Steel, Add	*10.11*	
		For Galvanized Steel, Add	*1.96*	
		For Aluminum, Add	*0.57*	
		For 304 Stainless Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*1.58*	
05 12 23 00-0443	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.51	3.66
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.25*	
		For 316 Stainless Steel, Add	*11.62*	
		For Galvanized Steel, Add	*2.25*	
		For Aluminum, Add	*0.65*	
		For 304 Stainless Steel, Add	*10.35*	
		For High Strength Steel (HSS), Add	*1.70*	
05 12 23 00-0444	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.32	3.92
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.35*	
		For 316 Stainless Steel, Add	*13.09*	
		For Galvanized Steel, Add	*2.54*	
		For Aluminum, Add	*0.74*	
		For 304 Stainless Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*1.86*	
05 12 23 00-0445	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.18	4.20
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.46*	
		For 316 Stainless Steel, Add	*14.66*	
		For Galvanized Steel, Add	*2.84*	
		For Aluminum, Add	*0.82*	
		For 304 Stainless Steel, Add	*13.05*	
		For High Strength Steel (HSS), Add	*2.04*	
05 12 23 00-0446	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.17	4.20
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.46*	
		For 316 Stainless Steel, Add	*14.62*	
		For Galvanized Steel, Add	*2.83*	
		For Aluminum, Add	*0.82*	
		For 304 Stainless Steel, Add	*13.02*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0447	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.24	4.63
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.62*	
		For 316 Stainless Steel, Add	*16.16*	
		For Galvanized Steel, Add	*3.13*	
		For Aluminum, Add	*0.91*	
		For 304 Stainless Steel, Add	*14.39*	
		For High Strength Steel (HSS), Add	*2.25*	
05 12 23 00-0448	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.29	5.08
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.77*	
		For 316 Stainless Steel, Add	*17.66*	
		For Galvanized Steel, Add	*3.42*	
		For Aluminum, Add	*0.99*	
		For 304 Stainless Steel, Add	*15.73*	
		For High Strength Steel (HSS), Add	*2.46*	

05 12 23 00-0449 1/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0450	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.37	3.13
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.00*	
		For 316 Stainless Steel, Add	*7.01*	
		For Galvanized Steel, Add	*1.36*	
		For Aluminum, Add	*0.39*	
		For 304 Stainless Steel, Add	*6.24*	
		For High Strength Steel (HSS), Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0451	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.32	3.36
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.11*	
		For 316 Stainless Steel, Add	*9.06*	
		For Galvanized Steel, Add	*1.75*	
		For Aluminum, Add	*0.51*	
		For 304 Stainless Steel, Add	*8.07*	
		For High Strength Steel (HSS), Add	*1.46*	
05 12 23 00-0452	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.31	3.36
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.11*	
		For 316 Stainless Steel, Add	*9.02*	
		For Galvanized Steel, Add	*1.75*	
		For Aluminum, Add	*0.51*	
		For 304 Stainless Steel, Add	*8.04*	
		For High Strength Steel (HSS), Add	*1.46*	
05 12 23 00-0453	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.26	3.60
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.22*	
		For 316 Stainless Steel, Add	*11.04*	
		For Galvanized Steel, Add	*2.14*	
		For Aluminum, Add	*0.62*	
		For 304 Stainless Steel, Add	*9.83*	
		For High Strength Steel (HSS), Add	*1.65*	
05 12 23 00-0454	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.09	3.72
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.30*	
		For 316 Stainless Steel, Add	*13.22*	
		For Galvanized Steel, Add	*2.56*	
		For Aluminum, Add	*0.74*	
		For 304 Stainless Steel, Add	*11.77*	
		For High Strength Steel (HSS), Add	*1.82*	
05 12 23 00-0455	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.05	3.49
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.18*	
		For 316 Stainless Steel, Add	*11.14*	
		For Galvanized Steel, Add	*2.16*	
		For Aluminum, Add	*0.63*	
		For 304 Stainless Steel, Add	*9.92*	
		For High Strength Steel (HSS), Add	*1.61*	
05 12 23 00-0456	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.07	3.72
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.30*	
		For 316 Stainless Steel, Add	*13.15*	
		For Galvanized Steel, Add	*2.55*	
		For Aluminum, Add	*0.74*	
		For 304 Stainless Steel, Add	*11.71*	
		For High Strength Steel (HSS), Add	*1.81*	
05 12 23 00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	9.86	3.84
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.38*	
		For 316 Stainless Steel, Add	*15.17*	
		For Galvanized Steel, Add	*2.94*	
		For Aluminum, Add	*0.85*	
		For 304 Stainless Steel, Add	*13.51*	
		For High Strength Steel (HSS), Add	*1.97*	
05 12 23 00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.06	4.25
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.54*	
		For 316 Stainless Steel, Add	*17.25*	
		For Galvanized Steel, Add	*3.34*	
		For Aluminum, Add	*0.97*	
		For 304 Stainless Steel, Add	*15.36*	
		For High Strength Steel (HSS), Add	*2.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.31	4.66
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.70*	
		For 316 Stainless Steel, Add	*19.49*	
		For Galvanized Steel, Add	*3.78*	
		For Aluminum, Add	*1.10*	
		For 304 Stainless Steel, Add	*17.36*	
		For High Strength Steel (HSS), Add	*2.46*	
05 12 23 00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.31	4.66
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.70*	
		For 316 Stainless Steel, Add	*19.49*	
		For Galvanized Steel, Add	*3.78*	
		For Aluminum, Add	*1.10*	
		For 304 Stainless Steel, Add	*17.36*	
		For High Strength Steel (HSS), Add	*2.46*	
05 12 23 00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.60	5.18
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000, Deduct	*-1.88*	
		For 316 Stainless Steel, Add	*21.44*	
		For Galvanized Steel, Add	*4.15*	
		For Aluminum, Add	*1.21*	
		For 304 Stainless Steel, Add	*19.10*	
		For High Strength Steel (HSS), Add	*2.72*	
05 12 23 00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.87	5.69
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.06*	
		For 316 Stainless Steel, Add	*23.30*	
		For Galvanized Steel, Add	*4.51*	
		For Aluminum, Add	*1.31*	
		For 304 Stainless Steel, Add	*20.75*	
		For High Strength Steel (HSS), Add	*2.97*	
05 12 23 00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.17	6.12
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.23*	
		For 316 Stainless Steel, Add	*25.66*	
		For Galvanized Steel, Add	*4.97*	
		For Aluminum, Add	*1.44*	
		For 304 Stainless Steel, Add	*22.86*	
		For High Strength Steel (HSS), Add	*3.23*	
05 12 23 00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.14	0.63
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.35*	
		For 316 Stainless Steel, Add	*27.62*	
		For Galvanized Steel, Add	*5.35*	
		For Aluminum, Add	*1.55*	
		For 304 Stainless Steel, Add	*24.60*	
		For High Strength Steel (HSS), Add	*3.43*	
05 12 23 00-0465	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.14	6.39
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.35*	
		For 316 Stainless Steel, Add	*27.62*	
		For Galvanized Steel, Add	*5.35*	
		For Aluminum, Add	*1.55*	
		For 304 Stainless Steel, Add	*24.60*	
		For High Strength Steel (HSS), Add	*3.43*	
05 12 23 00-0466	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.09	6.66
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000, Deduct	*-2.47*	
		For 316 Stainless Steel, Add	*29.47*	
		For Galvanized Steel, Add	*5.71*	
		For Aluminum, Add	*1.66*	
		For 304 Stainless Steel, Add	*26.25*	
		For High Strength Steel (HSS), Add	*3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	19.08	6.94
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*31.46*	
		For Galvanized Steel, Add	*6.09*	
		For Aluminum, Add	*1.77*	
		For 304 Stainless Steel, Add	*28.02*	
		For High Strength Steel (HSS), Add	*3.82*	
05 12 23 00-0468	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	19.08	6.94
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*31.46*	
		For Galvanized Steel, Add	*6.09*	
		For Aluminum, Add	*1.77*	
		For 304 Stainless Steel, Add	*28.02*	
		For High Strength Steel (HSS), Add	*3.82*	
05 12 23 00-0469	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	20.14	7.31
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000, Deduct	*-2.73*	
		For 316 Stainless Steel, Add	*33.25*	
		For Galvanized Steel, Add	*6.44*	
		For Aluminum, Add	*1.87*	
		For 304 Stainless Steel, Add	*29.61*	
		For High Strength Steel (HSS), Add	*4.03*	
05 12 23 00-0470		5/16" Thick *(05 12 23 00-0423)*		
05 12 23 00-0471	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.29	4.95
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.82*	
		For 316 Stainless Steel, Add	*21.44*	
		For Galvanized Steel, Add	*4.15*	
		For Aluminum, Add	*1.21*	
		For 304 Stainless Steel, Add	*19.10*	
		For High Strength Steel (HSS), Add	*2.66*	
05 12 23 00-0472	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.43	5.24
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.96*	
		For 316 Stainless Steel, Add	*23.81*	
		For Galvanized Steel, Add	*4.61*	
		For Aluminum, Add	*1.34*	
		For 304 Stainless Steel, Add	*21.20*	
		For High Strength Steel (HSS), Add	*2.89*	
05 12 23 00-0473	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	14.43	5.24
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.96*	
		For 316 Stainless Steel, Add	*23.81*	
		For Galvanized Steel, Add	*4.61*	
		For Aluminum, Add	*1.34*	
		For 304 Stainless Steel, Add	*21.20*	
		For High Strength Steel (HSS), Add	*2.89*	
05 12 23 00-0474	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.01	5.74
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.16*	
		For 316 Stainless Steel, Add	*26.69*	
		For Galvanized Steel, Add	*5.17*	
		For Aluminum, Add	*1.50*	
		For 304 Stainless Steel, Add	*23.77*	
		For High Strength Steel (HSS), Add	*3.20*	
05 12 23 00-0475	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.41	6.25
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000, Deduct	*-2.35*	
		For 316 Stainless Steel, Add	*29.06*	
		For Galvanized Steel, Add	*5.63*	
		For Aluminum, Add	*1.63*	
		For 304 Stainless Steel, Add	*25.88*	
		For High Strength Steel (HSS), Add	*3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.58	6.57
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.49*	
		For 316 Stainless Steel, Add	*31.46*	
		For Galvanized Steel, Add	*6.09*	
		For Aluminum, Add	*1.77*	
		For 304 Stainless Steel, Add	*28.02*	
		For High Strength Steel (HSS), Add	*3.72*	
05 12 23 00-0477	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.87	6.89
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.64*	
		For 316 Stainless Steel, Add	*34.21*	
		For Galvanized Steel, Add	*6.63*	
		For Aluminum, Add	*1.92*	
		For 304 Stainless Steel, Add	*30.47*	
		For High Strength Steel (HSS), Add	*3.97*	
05 12 23 00-0478	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.87	6.89
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.64*	
		For 316 Stainless Steel, Add	*34.21*	
		For Galvanized Steel, Add	*6.63*	
		For Aluminum, Add	*1.92*	
		For 304 Stainless Steel, Add	*30.47*	
		For High Strength Steel (HSS), Add	*3.97*	
05 12 23 00-0479	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	21.14	7.28
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.80*	
		For 316 Stainless Steel, Add	*36.58*	
		For Galvanized Steel, Add	*7.09*	
		For Aluminum, Add	*2.06*	
		For 304 Stainless Steel, Add	*32.58*	
		For High Strength Steel (HSS), Add	*4.23*	
05 12 23 00-0480	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	22.36	7.61
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.32*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-2.95*	
		For 316 Stainless Steel, Add	*39.07*	
		For Galvanized Steel, Add	*7.57*	
		For Aluminum, Add	*2.20*	
		For 304 Stainless Steel, Add	*34.80*	
		For High Strength Steel (HSS), Add	*4.47*	
05 12 23 00-0481	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.36	7.61
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.32*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-2.95*	
		For 316 Stainless Steel, Add	*39.07*	
		For Galvanized Steel, Add	*7.57*	
		For Aluminum, Add	*2.20*	
		For 304 Stainless Steel, Add	*34.80*	
		For High Strength Steel (HSS), Add	*4.47*	
05 12 23 00-0482	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	23.49	7.92
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000, Deduct	*-3.08*	
		For 316 Stainless Steel, Add	*41.34*	
		For Galvanized Steel, Add	*8.01*	
		For Aluminum, Add	*2.33*	
		For 304 Stainless Steel, Add	*36.82*	
		For High Strength Steel (HSS), Add	*4.70*	
05 12 23 00-0483	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	26.34	8.26
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-2.42*	
		For >1,000, Deduct	*-3.35*	
		For 316 Stainless Steel, Add	*49.06*	
		For Galvanized Steel, Add	*9.50*	
		For Aluminum, Add	*2.76*	
		For 304 Stainless Steel, Add	*43.69*	
		For High Strength Steel (HSS), Add	*5.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	26.03	8.60
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000, Deduct	*-3.39*	
		For 316 Stainless Steel, Add	*46.56*	
		For Galvanized Steel, Add	*9.02*	
		For Aluminum, Add	*2.62*	
		For 304 Stainless Steel, Add	*41.47*	
		For High Strength Steel (HSS), Add	*5.21*	
05 12 23 00-0485		3/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0486	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	16.07	5.48
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000, Deduct	*-2.12*	
		For 316 Stainless Steel, Add	*28.03*	
		For Galvanized Steel, Add	*5.43*	
		For Aluminum, Add	*1.58*	
		For 304 Stainless Steel, Add	*24.97*	
		For High Strength Steel (HSS), Add	*3.21*	
05 12 23 00-0487	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	17.75	5.94
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.32*	
		For 316 Stainless Steel, Add	*31.46*	
		For Galvanized Steel, Add	*6.09*	
		For Aluminum, Add	*1.77*	
		For 304 Stainless Steel, Add	*28.02*	
		For High Strength Steel (HSS), Add	*3.55*	
05 12 23 00-0488	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.22	6.40
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000, Deduct	*-2.51*	
		For 316 Stainless Steel, Add	*34.21*	
		For Galvanized Steel, Add	*6.63*	
		For Aluminum, Add	*1.92*	
		For 304 Stainless Steel, Add	*30.47*	
		For High Strength Steel (HSS), Add	*3.84*	
05 12 23 00-0489	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.52	6.58
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.63*	
		For 316 Stainless Steel, Add	*37.63*	
		For Galvanized Steel, Add	*7.29*	
		For Aluminum, Add	*2.12*	
		For 304 Stainless Steel, Add	*33.52*	
		For High Strength Steel (HSS), Add	*4.10*	
05 12 23 00-0490	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.87	6.93
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.80*	
		For 316 Stainless Steel, Add	*40.38*	
		For Galvanized Steel, Add	*7.82*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*35.97*	
		For High Strength Steel (HSS), Add	*4.37*	
05 12 23 00-0491	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.87	6.93
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.80*	
		For 316 Stainless Steel, Add	*40.38*	
		For Galvanized Steel, Add	*7.82*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*35.97*	
		For High Strength Steel (HSS), Add	*4.37*	
05 12 23 00-0492	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.58	7.56
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.34*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000, Deduct	*-3.03*	
		For 316 Stainless Steel, Add	*43.23*	
		For Galvanized Steel, Add	*8.38*	
		For Aluminum, Add	*2.43*	
		For 304 Stainless Steel, Add	*38.50*	
		For High Strength Steel (HSS), Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	24.92	7.78
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000, Deduct	*-3.17*	
		For 316 Stainless Steel, Add	*46.56*	
		For Galvanized Steel, Add	*9.02*	
		For Aluminum, Add	*2.62*	
		For 304 Stainless Steel, Add	*41.47*	
		For High Strength Steel (HSS), Add	*4.98*	
05 12 23 00-0494	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	25.33	8.09
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.25*	
		For 316 Stainless Steel, Add	*46.56*	
		For Galvanized Steel, Add	*9.02*	
		For Aluminum, Add	*2.62*	
		For 304 Stainless Steel, Add	*41.47*	
		For High Strength Steel (HSS), Add	*5.07*	
05 12 23 00-0495	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	27.06	8.71
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000, Deduct	*-3.48*	
		For 316 Stainless Steel, Add	*49.41*	
		For Galvanized Steel, Add	*9.57*	
		For Aluminum, Add	*2.78*	
		For 304 Stainless Steel, Add	*44.00*	
		For High Strength Steel (HSS), Add	*5.41*	
05 12 23 00-0496	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	31.85	10.16
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-4.08*	
		For 316 Stainless Steel, Add	*58.59*	
		For Galvanized Steel, Add	*11.35*	
		For Aluminum, Add	*3.30*	
		For 304 Stainless Steel, Add	*52.18*	
		For High Strength Steel (HSS), Add	*6.37*	
05 12 23 00-0497	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	29.95	9.44
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-3.82*	
		For 316 Stainless Steel, Add	*55.58*	
		For Galvanized Steel, Add	*10.77*	
		For Aluminum, Add	*3.13*	
		For 304 Stainless Steel, Add	*49.50*	
		For High Strength Steel (HSS), Add	*5.99*	
05 12 23 00-0498	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	31.85	10.16
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-4.08*	
		For 316 Stainless Steel, Add	*58.59*	
		For Galvanized Steel, Add	*11.35*	
		For Aluminum, Add	*3.30*	
		For 304 Stainless Steel, Add	*52.18*	
		For High Strength Steel (HSS), Add	*6.37*	
05 12 23 00-0499	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	38.42	12.19
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000, Deduct	*-4.91*	
		For 316 Stainless Steel, Add	*70.98*	
		For Galvanized Steel, Add	*13.75*	
		For Aluminum, Add	*3.99*	
		For 304 Stainless Steel, Add	*63.21*	
		For High Strength Steel (HSS), Add	*7.68*	
05 12 23 00-0500	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	35.14	11.17
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-2.00*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-4.50*	
		For 316 Stainless Steel, Add	*64.77*	
		For Galvanized Steel, Add	*12.55*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*57.68*	
		For High Strength Steel (HSS), Add	*7.03*	

05 12 23 00-0501 1/2" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	22.70	6.54
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000, Deduct	*-2.79*	
		For 316 Stainless Steel, Add	*44.77*	
		For Galvanized Steel, Add	*8.67*	
		For Aluminum, Add	*2.52*	
		For 304 Stainless Steel, Add	*39.87*	
		For High Strength Steel (HSS), Add	*4.54*	
05 12 23 00-0503	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	26.83	7.72
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.30*	
		For 316 Stainless Steel, Add	*52.90*	
		For Galvanized Steel, Add	*10.25*	
		For Aluminum, Add	*2.98*	
		For 304 Stainless Steel, Add	*47.11*	
		For High Strength Steel (HSS), Add	*5.37*	
05 12 23 00-0504	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.75	8.28
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000, Deduct	*-3.54*	
		For 316 Stainless Steel, Add	*56.70*	
		For Galvanized Steel, Add	*10.99*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*50.50*	
		For High Strength Steel (HSS), Add	*5.75*	
05 12 23 00-0505	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.93	8.91
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.80*	
		For 316 Stainless Steel, Add	*60.99*	
		For Galvanized Steel, Add	*11.82*	
		For Aluminum, Add	*3.43*	
		For 304 Stainless Steel, Add	*54.32*	
		For High Strength Steel (HSS), Add	*6.19*	
05 12 23 00-0506	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	30.93	8.91
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.80*	
		For 316 Stainless Steel, Add	*60.99*	
		For Galvanized Steel, Add	*11.82*	
		For Aluminum, Add	*3.43*	
		For 304 Stainless Steel, Add	*54.32*	
		For High Strength Steel (HSS), Add	*6.19*	
05 12 23 00-0507	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.86	9.46
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-4.04*	
		For 316 Stainless Steel, Add	*64.80*	
		For Galvanized Steel, Add	*12.56*	
		For Aluminum, Add	*3.65*	
		For 304 Stainless Steel, Add	*57.71*	
		For High Strength Steel (HSS), Add	*6.57*	
05 12 23 00-0508	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	39.14	11.27
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.46*	
		For >1,000, Deduct	*-4.81*	
		For 316 Stainless Steel, Add	*77.18*	
		For Galvanized Steel, Add	*14.95*	
		For Aluminum, Add	*4.34*	
		For 304 Stainless Steel, Add	*68.74*	
		For High Strength Steel (HSS), Add	*7.83*	
05 12 23 00-0509	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	39.14	11.27
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.46*	
		For >1,000, Deduct	*-4.81*	
		For 316 Stainless Steel, Add	*77.18*	
		For Galvanized Steel, Add	*14.95*	
		For Aluminum, Add	*4.34*	
		For 304 Stainless Steel, Add	*68.74*	
		For High Strength Steel (HSS), Add	*7.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	47.35	13.63
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-4.19*	
		For >1,000, Deduct	*-5.82*	
		For 316 Stainless Steel, Add	*93.34*	
		For Galvanized Steel, Add	*18.09*	
		For Aluminum, Add	*5.25*	
		For 304 Stainless Steel, Add	*83.13*	
		For High Strength Steel (HSS), Add	*9.47*	
05 12 23 00-0511	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	43.24	12.45
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-2.33*	
		For >500 To 1,000, Deduct	*-3.82*	
		For >1,000, Deduct	*-5.32*	
		For 316 Stainless Steel, Add	*85.25*	
		For Galvanized Steel, Add	*16.52*	
		For Aluminum, Add	*4.80*	
		For 304 Stainless Steel, Add	*75.92*	
		For High Strength Steel (HSS), Add	*8.65*	
05 12 23 00-0512	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	47.35	13.63
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-4.19*	
		For >1,000, Deduct	*-5.82*	
		For 316 Stainless Steel, Add	*93.34*	
		For Galvanized Steel, Add	*18.09*	
		For Aluminum, Add	*5.25*	
		For 304 Stainless Steel, Add	*83.13*	
		For High Strength Steel (HSS), Add	*9.47*	
05 12 23 00-0513	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	55.59	16.00
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.84*	
		For 316 Stainless Steel, Add	*109.60*	
		For Galvanized Steel, Add	*21.24*	
		For Aluminum, Add	*6.17*	
		For 304 Stainless Steel, Add	*97.61*	
		For High Strength Steel (HSS), Add	*11.12*	
05 12 23 00-0514	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	63.79	18.37
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.43*	
		For >500 To 1,000, Deduct	*-5.64*	
		For >1,000, Deduct	*-7.85*	
		For 316 Stainless Steel, Add	*125.76*	
		For Galvanized Steel, Add	*24.37*	
		For Aluminum, Add	*7.07*	
		For 304 Stainless Steel, Add	*112.01*	
		For High Strength Steel (HSS), Add	*12.76*	
05 12 23 00-0515		5/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0516	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	36.98	10.21
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.95*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.47*	
		For 316 Stainless Steel, Add	*74.78*	
		For Galvanized Steel, Add	*14.49*	
		For Aluminum, Add	*4.21*	
		For High Strength Steel (HSS), Add	*7.40*	
05 12 23 00-0517	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	39.58	10.92
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-2.08*	
		For >500 To 1,000, Deduct	*-3.44*	
		For >1,000, Deduct	*-4.79*	
		For 316 Stainless Steel, Add	*80.06*	
		For Galvanized Steel, Add	*15.51*	
		For Aluminum, Add	*4.50*	
		For High Strength Steel (HSS), Add	*7.92*	
05 12 23 00-0518	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	47.11	13.01
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.48*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-5.70*	
		For 316 Stainless Steel, Add	*95.26*	
		For Galvanized Steel, Add	*18.46*	
		For Aluminum, Add	*5.36*	
		For High Strength Steel (HSS), Add	*9.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	47.11	13.01
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.48*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-5.70*	
		For 316 Stainless Steel, Add	*95.26*	
		For Galvanized Steel, Add	*18.46*	
		For Aluminum, Add	*5.36*	
		For High Strength Steel (HSS), Add	*9.42*	
05 12 23 00-0520	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	57.01	15.74
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.95*	
		For >1,000, Deduct	*-6.90*	
		For 316 Stainless Steel, Add	*115.30*	
		For Galvanized Steel, Add	*22.34*	
		For Aluminum, Add	*6.49*	
		For High Strength Steel (HSS), Add	*11.40*	
05 12 23 00-0521	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	52.05	14.37
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.74*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-6.30*	
		For 316 Stainless Steel, Add	*105.28*	
		For Galvanized Steel, Add	*20.40*	
		For Aluminum, Add	*5.92*	
		For High Strength Steel (HSS), Add	*10.41*	
05 12 23 00-0522	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	67.12	18.53
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-3.53*	
		For >500 To 1,000, Deduct	*-5.83*	
		For >1,000, Deduct	*-8.12*	
		For 316 Stainless Steel, Add	*135.74*	
		For Galvanized Steel, Add	*26.30*	
		For Aluminum, Add	*7.64*	
		For High Strength Steel (HSS), Add	*13.42*	
05 12 23 00-0523	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	77.02	21.26
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-4.05*	
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000, Deduct	*-9.32*	
		For 316 Stainless Steel, Add	*155.78*	
		For Galvanized Steel, Add	*30.18*	
		For Aluminum, Add	*8.76*	
		For High Strength Steel (HSS), Add	*15.40*	
05 12 23 00-0524		3/4" Thick *(05 12 23 00-0423)*		
05 12 23 00-0525	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	42.59	11.28
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.19*	
		For >500 To 1,000, Deduct	*-3.63*	
		For >1,000, Deduct	*-5.07*	
		For 316 Stainless Steel, Add	*88.16*	
		For Galvanized Steel, Add	*17.08*	
		For Aluminum, Add	*4.96*	
		For High Strength Steel (HSS), Add	*8.52*	
05 12 23 00-0526	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	45.56	12.07
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.35*	
		For >500 To 1,000, Deduct	*-3.89*	
		For >1,000, Deduct	*-5.43*	
		For 316 Stainless Steel, Add	*94.30*	
		For Galvanized Steel, Add	*18.27*	
		For Aluminum, Add	*5.30*	
		For High Strength Steel (HSS), Add	*9.11*	
05 12 23 00-0527	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	54.32	14.39
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-6.47*	
		For 316 Stainless Steel, Add	*112.45*	
		For Galvanized Steel, Add	*21.79*	
		For Aluminum, Add	*6.33*	
		For High Strength Steel (HSS), Add	*10.86*	
05 12 23 00-0528	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	54.32	14.39
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-6.47*	
		For 316 Stainless Steel, Add	*112.45*	
		For Galvanized Steel, Add	*21.79*	
		For Aluminum, Add	*6.33*	
		For High Strength Steel (HSS), Add	*10.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	66.04	17.49
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.40*	
		For >500 To 1,000, Deduct	*-5.63*	
		For >1,000, Deduct	*-7.87*	
		For 316 Stainless Steel, Add	*136.70*	
		For Galvanized Steel, Add	*26.49*	
		For Aluminum, Add	*7.69*	
		For High Strength Steel (HSS), Add	*13.21*	
05 12 23 00-0530	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	60.29	15.97
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-3.10*	
		For >500 To 1,000, Deduct	*-5.14*	
		For >1,000, Deduct	*-7.18*	
		For 316 Stainless Steel, Add	*124.80*	
		For Galvanized Steel, Add	*24.18*	
		For Aluminum, Add	*7.02*	
		For High Strength Steel (HSS), Add	*12.06*	
05 12 23 00-0531	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	66.04	17.49
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.40*	
		For >500 To 1,000, Deduct	*-5.63*	
		For >1,000, Deduct	*-7.87*	
		For 316 Stainless Steel, Add	*136.70*	
		For Galvanized Steel, Add	*26.49*	
		For Aluminum, Add	*7.69*	
		For High Strength Steel (HSS), Add	*13.21*	
05 12 23 00-0532	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	77.79	20.59
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-4.00*	
		For >500 To 1,000, Deduct	*-6.64*	
		For >1,000, Deduct	*-9.27*	
		For 316 Stainless Steel, Add	*161.06*	
		For Galvanized Steel, Add	*31.20*	
		For Aluminum, Add	*9.06*	
		For High Strength Steel (HSS), Add	*15.56*	
05 12 23 00-0533	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	89.52	23.71
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.61*	
		For >500 To 1,000, Deduct	*-7.64*	
		For >1,000, Deduct	*-10.67*	
		For 316 Stainless Steel, Add	*185.31*	
		For Galvanized Steel, Add	*35.90*	
		For Aluminum, Add	*10.42*	
		For High Strength Steel (HSS), Add	*17.90*	
05 12 23 00-0534		7/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0535	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	61.11	15.47
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000, Deduct	*-7.16*	
		For 316 Stainless Steel, Add	*129.54*	
		For Galvanized Steel, Add	*25.10*	
		For Aluminum, Add	*7.29*	
		For High Strength Steel (HSS), Add	*12.22*	
05 12 23 00-0536	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	61.11	15.47
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000, Deduct	*-7.16*	
		For 316 Stainless Steel, Add	*129.54*	
		For Galvanized Steel, Add	*25.10*	
		For Aluminum, Add	*7.29*	
		For High Strength Steel (HSS), Add	*12.22*	
05 12 23 00-0537	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	74.39	18.83
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-3.74*	
		For >500 To 1,000, Deduct	*-6.23*	
		For >1,000, Deduct	*-8.72*	
		For 316 Stainless Steel, Add	*157.70*	
		For Galvanized Steel, Add	*30.55*	
		For Aluminum, Add	*8.87*	
		For High Strength Steel (HSS), Add	*14.88*	
05 12 23 00-0538	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	87.87	22.24
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-4.42*	
		For >500 To 1,000, Deduct	*-7.36*	
		For >1,000, Deduct	*-10.30*	
		For 316 Stainless Steel, Add	*186.27*	
		For Galvanized Steel, Add	*36.09*	
		For Aluminum, Add	*10.48*	
		For High Strength Steel (HSS), Add	*17.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	101.11	25.60
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-5.09*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000, Deduct	*-11.85*	
		For 316 Stainless Steel, Add	*214.34*	
		For Galvanized Steel, Add	*41.53*	
		For Aluminum, Add	*12.06*	
		For High Strength Steel (HSS), Add	*20.22*	
05 12 23 00-0540		**Bar Channel** *(05 12 23 00-0422)*		
05 12 23 00-0541	LF	1" x 1/2" x 1/8" Thick Bar Channel	5.04	
		For 316 Stainless Steel, Add	*5.18*	
		For Galvanized Steel, Add	*1.00*	
		For Aluminum, Add	*0.29*	
		For 304 Stainless Steel, Add	*4.62*	
		For High Strength Steel (HSS), Add	*1.01*	
05 12 23 00-0542	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	5.66	
		For 316 Stainless Steel, Add	*6.21*	
		For Galvanized Steel, Add	*1.20*	
		For Aluminum, Add	*0.35*	
		For 304 Stainless Steel, Add	*5.53*	
		For High Strength Steel (HSS), Add	*1.13*	
05 12 23 00-0543	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	6.17	
		For 316 Stainless Steel, Add	*6.88*	
		For Galvanized Steel, Add	*1.33*	
		For Aluminum, Add	*0.39*	
		For 304 Stainless Steel, Add	*6.13*	
		For High Strength Steel (HSS), Add	*1.23*	
05 12 23 00-0544	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	7.05	
		For 316 Stainless Steel, Add	*7.17*	
		For Galvanized Steel, Add	*1.39*	
		For Aluminum, Add	*0.40*	
		For 304 Stainless Steel, Add	*6.38*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0545	LF	2" x 1/2" x 1/8" Thick Bar Channel	7.55	
		For 316 Stainless Steel, Add	*8.77*	
		For Galvanized Steel, Add	*1.70*	
		For Aluminum, Add	*0.49*	
		For 304 Stainless Steel, Add	*7.81*	
05 12 23 00-0546	LF	2" x 1" x 1/8" Thick Bar Channel	9.93	
		For 316 Stainless Steel, Add	*9.79*	
		For Galvanized Steel, Add	*1.90*	
		For Aluminum, Add	*0.55*	
		For 304 Stainless Steel, Add	*8.72*	
05 12 23 00-0547		**Channels - C** *(05 12 23 00-0422)*		
05 12 23 00-0548	LF	C2 x 1.78 - 2" Wide Channel	8.25	4.24
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.33*	
		For 316 Stainless Steel, Add	*8.32*	
		For Galvanized Steel, Add	*1.61*	
		For Aluminum, Add	*0.47*	
		For 304 Stainless Steel, Add	*7.41*	
05 12 23 00-0549	LF	C3 x 4.1 - 3" Wide Channel	14.23	6.09
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.08*	
		For 316 Stainless Steel, Add	*19.52*	
		For Galvanized Steel, Add	*3.78*	
		For Aluminum, Add	*1.10*	
		For 304 Stainless Steel, Add	*17.39*	
05 12 23 00-0550	LF	C3 x 5 - 3" Wide Channel	17.35	7.44
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-2.54*	
		For 316 Stainless Steel, Add	*23.81*	
		For Galvanized Steel, Add	*4.61*	
		For Aluminum, Add	*1.34*	
		For 304 Stainless Steel, Add	*21.20*	
05 12 23 00-0551	LF	C3 x 6 - 3" Wide Channel	20.83	8.92
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000, Deduct	*-3.05*	
		For 316 Stainless Steel, Add	*28.58*	
		For Galvanized Steel, Add	*5.54*	
		For Aluminum, Add	*1.61*	
		For 304 Stainless Steel, Add	*25.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF	C4 x 5.4 - 4" Wide Channel	17.79	7.31
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-2.55*	
		For 316 Stainless Steel, Add	*25.73*	
		For Galvanized Steel, Add	*4.98*	
		For Aluminum, Add	*1.45*	
		For 304 Stainless Steel, Add	*22.91*	
05 12 23 00-0553	LF	C4 x 7.25 - 4" Wide Channel	23.88	9.81
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*34.53*	
		For Galvanized Steel, Add	*6.69*	
		For Aluminum, Add	*1.94*	
		For 304 Stainless Steel, Add	*30.75*	
05 12 23 00-0554	LF	C5 x 6.7 - 5" Wide Channel	21.34	8.52
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-3.02*	
		For 316 Stainless Steel, Add	*31.90*	
		For Galvanized Steel, Add	*6.18*	
		For Aluminum, Add	*1.79*	
		For 304 Stainless Steel, Add	*28.41*	
05 12 23 00-0555	LF	C5 x 9 - 5" Wide Channel	28.67	11.46
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-4.06*	
		For 316 Stainless Steel, Add	*42.88*	
		For Galvanized Steel, Add	*8.31*	
		For Aluminum, Add	*2.41*	
		For 304 Stainless Steel, Add	*38.19*	
05 12 23 00-0556	LF	C6 x 8.2 - 6" Wide Channel	25.86	10.24
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.65*	
		For 316 Stainless Steel, Add	*39.07*	
		For Galvanized Steel, Add	*7.57*	
		For Aluminum, Add	*2.20*	
		For 304 Stainless Steel, Add	*34.80*	
05 12 23 00-0557	LF	C6 x 10.5 - 6" Wide Channel	33.11	13.11
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.67*	
		For 316 Stainless Steel, Add	*50.02*	
		For Galvanized Steel, Add	*9.69*	
		For Aluminum, Add	*2.81*	
		For 304 Stainless Steel, Add	*44.55*	
05 12 23 00-0558	LF	C6 x 13 - 6" Wide Channel	41.00	16.23
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.65*	
		For >500 To 1,000, Deduct	*-4.22*	
		For >1,000, Deduct	*-5.78*	
		For 316 Stainless Steel, Add	*61.92*	
		For Galvanized Steel, Add	*12.00*	
		For Aluminum, Add	*3.48*	
		For 304 Stainless Steel, Add	*55.15*	
05 12 23 00-0559	LF	C7 x 9.8 - 7" Wide Channel	30.84	12.19
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.34*	
		For 316 Stainless Steel, Add	*46.69*	
		For Galvanized Steel, Add	*9.05*	
		For Aluminum, Add	*2.63*	
		For 304 Stainless Steel, Add	*41.58*	
05 12 23 00-0560	LF	C7 x 12.25 - 7" Wide Channel	38.54	15.23
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.49*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000, Deduct	*-5.43*	
		For 316 Stainless Steel, Add	*58.34*	
		For Galvanized Steel, Add	*11.30*	
		For Aluminum, Add	*3.28*	
		For 304 Stainless Steel, Add	*51.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561	LF	C7 x 14.75 - 7" Wide Channel	46.41	18.35
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-6.54*	
		For 316 Stainless Steel, Add	*70.24*	
		For Galvanized Steel, Add	*13.61*	
		For Aluminum, Add	*3.95*	
		For 304 Stainless Steel, Add	*62.56*	
05 12 23 00-0562	LF	C8 x 11.5 - 8" Wide Channel	35.00	13.41
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.54*	
		For >1,000, Deduct	*-4.86*	
		For 316 Stainless Steel, Add	*54.78*	
		For Galvanized Steel, Add	*10.61*	
		For Aluminum, Add	*3.08*	
		For 304 Stainless Steel, Add	*48.79*	
05 12 23 00-0563	LF	C8 x 13.75 - 8" Wide Channel	41.85	16.04
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.65*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000, Deduct	*-5.81*	
		For 316 Stainless Steel, Add	*65.50*	
		For Galvanized Steel, Add	*12.69*	
		For Aluminum, Add	*3.68*	
		For 304 Stainless Steel, Add	*58.34*	
05 12 23 00-0564	LF	C8 x 18.75 - 8" Wide Channel	57.06	21.86
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-5.77*	
		For >1,000, Deduct	*-7.92*	
		For 316 Stainless Steel, Add	*89.31*	
		For Galvanized Steel, Add	*17.30*	
		For Aluminum, Add	*5.02*	
		For 304 Stainless Steel, Add	*79.54*	
05 12 23 00-0565	LF	C9 x 13.4 - 9" Wide Channel	40.78	15.63
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.58*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-5.66*	
		For 316 Stainless Steel, Add	*63.84*	
		For Galvanized Steel, Add	*12.37*	
		For Aluminum, Add	*3.59*	
		For 304 Stainless Steel, Add	*56.86*	
05 12 23 00-0566	LF	C9 x 15 - 9" Wide Channel	45.64	17.49
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.89*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000, Deduct	*-6.34*	
		For 316 Stainless Steel, Add	*71.46*	
		For Galvanized Steel, Add	*13.84*	
		For Aluminum, Add	*4.02*	
		For 304 Stainless Steel, Add	*63.64*	
05 12 23 00-0567	LF	C9 x 20 - 9" Wide Channel	60.87	23.31
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-6.15*	
		For >1,000, Deduct	*-8.45*	
		For 316 Stainless Steel, Add	*95.26*	
		For Galvanized Steel, Add	*18.46*	
		For Aluminum, Add	*5.36*	
		For 304 Stainless Steel, Add	*84.84*	
05 12 23 00-0568	LF	C10 x 15.3 - 10" Wide Channel	46.56	17.83
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.95*	
		For >500 To 1,000, Deduct	*-4.71*	
		For >1,000, Deduct	*-6.47*	
		For 316 Stainless Steel, Add	*72.86*	
		For Galvanized Steel, Add	*14.12*	
		For Aluminum, Add	*4.10*	
		For 304 Stainless Steel, Add	*64.89*	
05 12 23 00-0569	LF	C10 x 20 - 10" Wide Channel	60.87	23.31
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-6.15*	
		For >1,000, Deduct	*-8.45*	
		For 316 Stainless Steel, Add	*95.26*	
		For Galvanized Steel, Add	*18.46*	
		For Aluminum, Add	*5.36*	
		For 304 Stainless Steel, Add	*84.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF	C10 x 25 - 10" Wide Channel	76.08	29.15
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.82*	
		For >500 To 1,000, Deduct	*-7.69*	
		For >1,000, Deduct	*-10.56*	
		For 316 Stainless Steel, Add	*119.07*	
		For Galvanized Steel, Add	*23.07*	
		For Aluminum, Add	*6.70*	
		For 304 Stainless Steel, Add	*106.05*	
05 12 23 00-0571	LF	C10 x 30 - 10" Wide Channel	91.29	34.98
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.78*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-12.68*	
		For 316 Stainless Steel, Add	*142.88*	
		For Galvanized Steel, Add	*27.68*	
		For Aluminum, Add	*8.04*	
		For 304 Stainless Steel, Add	*127.25*	
05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel	62.99	24.14
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.99*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000, Deduct	*-8.75*	
		For 316 Stainless Steel, Add	*98.59*	
		For Galvanized Steel, Add	*19.10*	
		For Aluminum, Add	*5.55*	
		For 304 Stainless Steel, Add	*87.81*	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel	76.08	29.15
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.82*	
		For >500 To 1,000, Deduct	*-7.69*	
		For >1,000, Deduct	*-10.56*	
		For 316 Stainless Steel, Add	*119.07*	
		For Galvanized Steel, Add	*23.07*	
		For Aluminum, Add	*6.70*	
		For 304 Stainless Steel, Add	*106.05*	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel	91.29	34.98
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.78*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-12.68*	
		For 316 Stainless Steel, Add	*142.88*	
		For Galvanized Steel, Add	*27.68*	
		For Aluminum, Add	*8.04*	
		For 304 Stainless Steel, Add	*127.25*	
05 12 23 00-0575	LF	C15 x 33.9 - 15" Wide Channel	103.16	39.52
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.53*	
		For >500 To 1,000, Deduct	*-10.43*	
		For >1,000, Deduct	*-14.32*	
		For 316 Stainless Steel, Add	*161.47*	
		For Galvanized Steel, Add	*31.29*	
		For Aluminum, Add	*9.08*	
		For 304 Stainless Steel, Add	*143.81*	
05 12 23 00-0576	LF	C15 x 40 - 15" Wide Channel	121.72	46.64
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-7.71*	
		For >500 To 1,000, Deduct	*-12.30*	
		For >1,000, Deduct	*-16.90*	
		For 316 Stainless Steel, Add	*190.53*	
		For Galvanized Steel, Add	*36.91*	
		For Aluminum, Add	*10.72*	
		For 304 Stainless Steel, Add	*169.69*	
05 12 23 00-0577	LF	C15 x 50 - 15" Wide Channel	152.15	58.29
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-9.63*	
		For >500 To 1,000, Deduct	*-15.38*	
		For >1,000, Deduct	*-21.13*	
		For 316 Stainless Steel, Add	*238.14*	
		For Galvanized Steel, Add	*46.14*	
		For Aluminum, Add	*13.40*	
		For 304 Stainless Steel, Add	*212.10*	

05 12 23 00-0578 Miscellaneous Channels - MC *(05 12 23 00-0422)*

05 12 23 00-0579	LF	MC6 x 12 - 6" Wide Channel	37.84	14.98
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.44*	
		For >500 To 1,000, Deduct	*-3.89*	
		For >1,000, Deduct	*-5.34*	
		For 316 Stainless Steel, Add	*57.15*	
		For Galvanized Steel, Add	*11.07*	
		For Aluminum, Add	*3.21*	
		For 304 Stainless Steel, Add	*50.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580	LF	MC6 x 15.1 - 6" Wide Channel	47.62	18.85
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000, Deduct	*-6.71*	
		For 316 Stainless Steel, Add	*71.94*	
		For Galvanized Steel, Add	*13.94*	
		For Aluminum, Add	*4.05*	
		For 304 Stainless Steel, Add	*64.07*	
05 12 23 00-0581	LF	MC6 x 15.3 - 6" Wide Channel	48.24	19.10
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.12*	
		For >500 To 1,000, Deduct	*-4.96*	
		For >1,000, Deduct	*-6.80*	
		For 316 Stainless Steel, Add	*72.86*	
		For Galvanized Steel, Add	*14.12*	
		For Aluminum, Add	*4.10*	
		For 304 Stainless Steel, Add	*64.89*	
05 12 23 00-0582	LF	MC6 x 16.3 - 6" Wide Channel	51.40	20.35
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.32*	
		For >500 To 1,000, Deduct	*-5.28*	
		For >1,000, Deduct	*-7.25*	
		For 316 Stainless Steel, Add	*77.63*	
		For Galvanized Steel, Add	*15.04*	
		For Aluminum, Add	*4.37*	
		For 304 Stainless Steel, Add	*69.14*	
05 12 23 00-0583	LF	MC6 x 18 - 6" Wide Channel	56.76	22.47
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.67*	
		For >500 To 1,000, Deduct	*-5.84*	
		For >1,000, Deduct	*-8.00*	
		For 316 Stainless Steel, Add	*85.73*	
		For Galvanized Steel, Add	*16.61*	
		For Aluminum, Add	*4.82*	
		For 304 Stainless Steel, Add	*76.35*	
05 12 23 00-0584	LF	MC7 x 17.6 - 7" Wide Channel	55.39	21.89
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.69*	
		For >1,000, Deduct	*-7.80*	
		For 316 Stainless Steel, Add	*83.84*	
		For Galvanized Steel, Add	*16.24*	
		For Aluminum, Add	*4.72*	
		For 304 Stainless Steel, Add	*74.67*	
05 12 23 00-0585	LF	MC7 x 19.1 - 7" Wide Channel	60.12	23.76
		For >100 To 250, Deduct	*-2.38*	
		For >250 To 500, Deduct	*-3.88*	
		For >500 To 1,000, Deduct	*-6.18*	
		For >1,000, Deduct	*-8.47*	
		For 316 Stainless Steel, Add	*90.98*	
		For Galvanized Steel, Add	*17.63*	
		For Aluminum, Add	*5.12*	
		For 304 Stainless Steel, Add	*81.03*	
05 12 23 00-0586	LF	MC7 x 22.7 - 7" Wide Channel	71.44	28.24
		For >100 To 250, Deduct	*-2.82*	
		For >250 To 500, Deduct	*-4.61*	
		For >500 To 1,000, Deduct	*-7.34*	
		For >1,000, Deduct	*-10.06*	
		For 316 Stainless Steel, Add	*108.13*	
		For Galvanized Steel, Add	*20.95*	
		For Aluminum, Add	*6.08*	
		For 304 Stainless Steel, Add	*96.30*	
05 12 23 00-0587	LF	MC8 x 8.5 - 8" Wide Channel	25.87	9.91
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.62*	
		For >1,000, Deduct	*-3.59*	
		For 316 Stainless Steel, Add	*40.48*	
		For Galvanized Steel, Add	*7.84*	
		For Aluminum, Add	*2.28*	
		For 304 Stainless Steel, Add	*36.05*	
05 12 23 00-0588	LF	MC8 x 18.7 - 8" Wide Channel	56.90	21.80
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.60*	
		For >500 To 1,000, Deduct	*-5.75*	
		For >1,000, Deduct	*-7.90*	
		For 316 Stainless Steel, Add	*89.06*	
		For Galvanized Steel, Add	*17.25*	
		For Aluminum, Add	*5.01*	
		For 304 Stainless Steel, Add	*79.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	MC8 x 20 - 8" Wide Channel	60.87	23.31
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-6.15*	
		For >1,000, Deduct	*-8.45*	
		For 316 Stainless Steel, Add	*95.26*	
		For Galvanized Steel, Add	*18.46*	
		For Aluminum, Add	*5.36*	
		For 304 Stainless Steel, Add	*84.84*	
05 12 23 00-0590	LF	MC8 x 21.4 - 8" Wide Channel	65.13	24.96
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.12*	
		For >500 To 1,000, Deduct	*-6.58*	
		For >1,000, Deduct	*-9.04*	
		For 316 Stainless Steel, Add	*101.92*	
		For Galvanized Steel, Add	*19.75*	
		For Aluminum, Add	*5.73*	
		For 304 Stainless Steel, Add	*90.77*	
05 12 23 00-0591	LF	MC8 x 22.8 - 8" Wide Channel	69.38	26.59
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.39*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000, Deduct	*-9.63*	
		For 316 Stainless Steel, Add	*108.61*	
		For Galvanized Steel, Add	*21.04*	
		For Aluminum, Add	*6.11*	
		For 304 Stainless Steel, Add	*96.73*	
05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel	72.73	27.87
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-4.61*	
		For >500 To 1,000, Deduct	*-7.35*	
		For >1,000, Deduct	*-10.10*	
		For 316 Stainless Steel, Add	*113.82*	
		For Galvanized Steel, Add	*22.05*	
		For Aluminum, Add	*6.40*	
		For 304 Stainless Steel, Add	*101.37*	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel	77.29	29.61
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.89*	
		For >500 To 1,000, Deduct	*-7.81*	
		For >1,000, Deduct	*-10.73*	
		For 316 Stainless Steel, Add	*120.99*	
		For Galvanized Steel, Add	*23.44*	
		For Aluminum, Add	*6.81*	
		For 304 Stainless Steel, Add	*107.76*	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel	19.78	7.58
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.75*	
		For 316 Stainless Steel, Add	*30.94*	
		For Galvanized Steel, Add	*6.00*	
		For Aluminum, Add	*1.74*	
		For 304 Stainless Steel, Add	*27.56*	
05 12 23 00-0595	LF	MC10 x 8.4 - 10" Wide Channel	25.56	9.79
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.55*	
		For 316 Stainless Steel, Add	*40.00*	
		For Galvanized Steel, Add	*7.75*	
		For Aluminum, Add	*2.25*	
		For 304 Stainless Steel, Add	*35.63*	
05 12 23 00-0596	LF	MC10 x 21.9 - 10" Wide Channel	66.64	25.54
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.22*	
		For >500 To 1,000, Deduct	*-6.74*	
		For >1,000, Deduct	*-9.25*	
		For 316 Stainless Steel, Add	*104.32*	
		For Galvanized Steel, Add	*20.21*	
		For Aluminum, Add	*5.87*	
		For 304 Stainless Steel, Add	*92.91*	
05 12 23 00-0597	LF	MC10 x 24.9 - 10" Wide Channel	75.78	29.04
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-4.80*	
		For >500 To 1,000, Deduct	*-7.66*	
		For >1,000, Deduct	*-10.52*	
		For 316 Stainless Steel, Add	*118.59*	
		For Galvanized Steel, Add	*22.98*	
		For Aluminum, Add	*6.67*	
		For 304 Stainless Steel, Add	*105.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF	MC10 x 25.3 - 10" Wide Channel	76.99	29.50
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-4.87*	
		For >500 To 1,000, Deduct	*-7.78*	
		For >1,000, Deduct	*-10.69*	
		For 316 Stainless Steel, Add	*120.51*	
		For Galvanized Steel, Add	*23.35*	
		For Aluminum, Add	*6.78*	
		For 304 Stainless Steel, Add	*107.33*	
05 12 23 00-0599	LF	MC10 x 28.3 - 10" Wide Channel	86.12	32.99
		For >100 To 250, Deduct	*-3.30*	
		For >250 To 500, Deduct	*-5.45*	
		For >500 To 1,000, Deduct	*-8.71*	
		For >1,000, Deduct	*-11.96*	
		For 316 Stainless Steel, Add	*134.78*	
		For Galvanized Steel, Add	*26.11*	
		For Aluminum, Add	*7.58*	
		For 304 Stainless Steel, Add	*120.04*	
05 12 23 00-0600	LF	MC10 x 28.5 - 10" Wide Channel	86.73	33.23
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.49*	
		For >500 To 1,000, Deduct	*-8.77*	
		For >1,000, Deduct	*-12.04*	
		For 316 Stainless Steel, Add	*135.74*	
		For Galvanized Steel, Add	*26.30*	
		For Aluminum, Add	*7.64*	
		For 304 Stainless Steel, Add	*120.90*	
05 12 23 00-0601	LF	MC10 x 33.6 - 10" Wide Channel	102.25	39.18
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.47*	
		For >500 To 1,000, Deduct	*-10.34*	
		For >1,000, Deduct	*-14.20*	
		For 316 Stainless Steel, Add	*160.03*	
		For Galvanized Steel, Add	*31.01*	
		For Aluminum, Add	*9.00*	
		For 304 Stainless Steel, Add	*142.53*	
05 12 23 00-0602	LF	MC10 x 41.1 - 10" Wide Channel	125.07	47.93
		For >100 To 250, Deduct	*-4.79*	
		For >250 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-12.64*	
		For >1,000, Deduct	*-17.37*	
		For 316 Stainless Steel, Add	*195.78*	
		For Galvanized Steel, Add	*37.93*	
		For Aluminum, Add	*11.01*	
		For 304 Stainless Steel, Add	*174.36*	
05 12 23 00-0603	LF	MC12 x 30.9 - 12" Wide Channel	94.04	36.03
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-5.95*	
		For >500 To 1,000, Deduct	*-9.51*	
		For >1,000, Deduct	*-13.06*	
		For 316 Stainless Steel, Add	*147.17*	
		For Galvanized Steel, Add	*28.51*	
		For Aluminum, Add	*8.28*	
		For 304 Stainless Steel, Add	*131.07*	
05 12 23 00-0604	LF	MC12 x 32.9 - 12" Wide Channel	100.12	38.35
		For >100 To 250, Deduct	*-3.84*	
		For >250 To 500, Deduct	*-6.34*	
		For >500 To 1,000, Deduct	*-10.12*	
		For >1,000, Deduct	*-13.90*	
		For 316 Stainless Steel, Add	*156.70*	
		For Galvanized Steel, Add	*30.36*	
		For Aluminum, Add	*8.81*	
		For 304 Stainless Steel, Add	*139.56*	
05 12 23 00-0605	LF	MC12 x 35 - 12" Wide Channel	106.51	40.80
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-6.74*	
		For >500 To 1,000, Deduct	*-10.77*	
		For >1,000, Deduct	*-14.79*	
		For 316 Stainless Steel, Add	*166.72*	
		For Galvanized Steel, Add	*32.30*	
		For Aluminum, Add	*9.38*	
		For 304 Stainless Steel, Add	*148.49*	
05 12 23 00-0606	LF	MC12 x 37 - 12" Wide Channel	112.60	43.14
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.13*	
		For >500 To 1,000, Deduct	*-11.38*	
		For >1,000, Deduct	*-15.64*	
		For 316 Stainless Steel, Add	*176.22*	
		For Galvanized Steel, Add	*34.14*	
		For Aluminum, Add	*9.91*	
		For 304 Stainless Steel, Add	*156.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF	MC12 x 40 - 12" Wide Channel	121.72	46.64
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-7.71*	
		For >500 To 1,000, Deduct	*-12.30*	
		For >1,000, Deduct	*-16.90*	
		For 316 Stainless Steel, Add	*190.53*	
		For Galvanized Steel, Add	*36.91*	
		For Aluminum, Add	*10.72*	
		For 304 Stainless Steel, Add	*169.69*	
05 12 23 00-0608	LF	MC12 x 45 - 12" Wide Channel	136.94	52.47
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-8.67*	
		For >500 To 1,000, Deduct	*-13.84*	
		For >1,000, Deduct	*-19.02*	
		For 316 Stainless Steel, Add	*214.34*	
		For Galvanized Steel, Add	*41.53*	
		For Aluminum, Add	*12.06*	
		For 304 Stainless Steel, Add	*190.89*	
05 12 23 00-0609	LF	MC12 x 50 - 12" Wide Channel	152.15	58.30
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-9.63*	
		For >500 To 1,000, Deduct	*-15.38*	
		For >1,000, Deduct	*-21.13*	
		For 316 Stainless Steel, Add	*238.14*	
		For Galvanized Steel, Add	*46.14*	
		For Aluminum, Add	*13.40*	
		For 304 Stainless Steel, Add	*212.10*	
05 12 23 00-0610	LF	MC13 x 31.8 - 13" Wide Channel	96.77	37.08
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 500, Deduct	*-6.13*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000, Deduct	*-13.44*	
		For 316 Stainless Steel, Add	*151.46*	
		For Galvanized Steel, Add	*29.34*	
		For Aluminum, Add	*8.52*	
		For 304 Stainless Steel, Add	*134.89*	
05 12 23 00-0611	LF	MC13 x 35 - 13" Wide Channel	106.51	40.80
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-6.74*	
		For >500 To 1,000, Deduct	*-10.77*	
		For >1,000, Deduct	*-14.79*	
		For 316 Stainless Steel, Add	*166.72*	
		For Galvanized Steel, Add	*32.30*	
		For Aluminum, Add	*9.38*	
		For 304 Stainless Steel, Add	*148.49*	
05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel	121.72	46.64
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-7.71*	
		For >500 To 1,000, Deduct	*-12.30*	
		For >1,000, Deduct	*-16.90*	
		For 316 Stainless Steel, Add	*190.53*	
		For Galvanized Steel, Add	*36.91*	
		For Aluminum, Add	*10.72*	
		For 304 Stainless Steel, Add	*169.69*	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel	152.15	58.30
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-9.63*	
		For >500 To 1,000, Deduct	*-15.38*	
		For >1,000, Deduct	*-21.13*	
		For 316 Stainless Steel, Add	*238.14*	
		For Galvanized Steel, Add	*46.14*	
		For Aluminum, Add	*13.40*	
		For 304 Stainless Steel, Add	*212.10*	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel	129.94	49.79
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.23*	
		For >500 To 1,000, Deduct	*-13.14*	
		For >1,000, Deduct	*-18.04*	
		For 316 Stainless Steel, Add	*203.39*	
		For Galvanized Steel, Add	*39.41*	
		For Aluminum, Add	*11.44*	
		For 304 Stainless Steel, Add	*181.15*	
05 12 23 00-0615	LF	MC18 x 45.8 - 18" Wide Channel	139.37	53.41
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-8.82*	
		For >500 To 1,000, Deduct	*-14.09*	
		For >1,000, Deduct	*-19.35*	
		For 316 Stainless Steel, Add	*218.14*	
		For Galvanized Steel, Add	*42.27*	
		For Aluminum, Add	*12.27*	
		For 304 Stainless Steel, Add	*194.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616	LF	MC18 x 51.9 - 18" Wide Channel	157.94	60.51
		For >100 To 250, Deduct	*-6.05*	
		For >250 To 500, Deduct	*-10.00*	
		For >500 To 1,000, Deduct	*-15.97*	
		For >1,000, Deduct	*-21.93*	
		For 316 Stainless Steel, Add	*247.20*	
		For Galvanized Steel, Add	*47.90*	
		For Aluminum, Add	*13.91*	
		For 304 Stainless Steel, Add	*220.16*	
05 12 23 00-0617	LF	MC18 x 58 - 18" Wide Channel	176.50	67.62
		For >100 To 250, Deduct	*-6.76*	
		For >250 To 500, Deduct	*-11.18*	
		For >500 To 1,000, Deduct	*-17.84*	
		For >1,000, Deduct	*-24.51*	
		For 316 Stainless Steel, Add	*276.26*	
		For Galvanized Steel, Add	*53.52*	
		For Aluminum, Add	*15.54*	
		For 304 Stainless Steel, Add	*246.04*	

05 12 23 00-0618 Structural Bar Tees *(05 12 23 00-0422)*

05 12 23 00-0619	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	5.33	3.10
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.92*	
		For 316 Stainless Steel, Add	*3.84*	
		For Galvanized Steel, Add	*0.74*	
		For Aluminum, Add	*0.22*	
		For 304 Stainless Steel, Add	*3.42*	
05 12 23 00-0620	LF	1" x 1" x 1/8" Structural Bar Tee	6.53	3.66
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.10*	
		For 316 Stainless Steel, Add	*5.28*	
		For Galvanized Steel, Add	*1.02*	
		For Aluminum, Add	*0.30*	
		For 304 Stainless Steel, Add	*4.70*	
05 12 23 00-0621	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.35	4.22
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.48*	
		For 316 Stainless Steel, Add	*15.10*	
		For Galvanized Steel, Add	*2.93*	
		For Aluminum, Add	*0.85*	
		For 304 Stainless Steel, Add	*13.45*	
05 12 23 00-0622	LF	2" x 2" x 1/4" Structural Bar Tee	14.39	5.52
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.00*	
		For 316 Stainless Steel, Add	*22.50*	
		For Galvanized Steel, Add	*4.36*	
		For Aluminum, Add	*1.27*	
		For 304 Stainless Steel, Add	*20.04*	
05 12 23 00-0623	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.51	6.66
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.72*	
		For 316 Stainless Steel, Add	*40.38*	
		For Galvanized Steel, Add	*7.82*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*35.97*	
05 12 23 00-0624	LF	3" x 3" x 3/8" Structural Bar Tee	26.52	8.53
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.41*	
		For 316 Stainless Steel, Add	*48.48*	
		For Galvanized Steel, Add	*9.39*	
		For Aluminum, Add	*2.73*	
		For 304 Stainless Steel, Add	*43.18*	

05 12 23 00-0625 Structural Zees *(05 12 23 00-0422)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.67	4.22
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.65*	
		For 316 Stainless Steel, Add	*22.53*	
		For Galvanized Steel, Add	*4.36*	
		For Aluminum, Add	*1.27*	
		For 304 Stainless Steel, Add	*20.06*	
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	23.56	5.04
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.61*	
		For 316 Stainless Steel, Add	*53.89*	
		For Galvanized Steel, Add	*10.44*	
		For Aluminum, Add	*3.03*	
		For 304 Stainless Steel, Add	*47.99*	
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	28.20	5.69
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.17*	
		For >1,000, Deduct	*-3.06*	
		For 316 Stainless Steel, Add	*65.95*	
		For Galvanized Steel, Add	*12.78*	
		For Aluminum, Add	*3.71*	
		For 304 Stainless Steel, Add	*58.74*	
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	37.81	6.50
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-3.92*	
		For 316 Stainless Steel, Add	*93.28*	
		For Galvanized Steel, Add	*18.07*	
		For Aluminum, Add	*5.25*	
		For 304 Stainless Steel, Add	*83.08*	
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	48.89	7.07
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.93*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.85*	
		For 316 Stainless Steel, Add	*126.27*	
		For Galvanized Steel, Add	*24.47*	
		For Aluminum, Add	*7.10*	
		For 304 Stainless Steel, Add	*112.46*	

05 12 23 00-0631 Junior I-Beams *(05 12 23 00-0422)*

05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 LB/LF	17.41	6.10
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.32*	
		For 316 Stainless Steel, Add	*29.70*	
		For Galvanized Steel, Add	*5.75*	
		For Aluminum, Add	*1.67*	
		For 304 Stainless Steel, Add	*26.45*	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 LB/LF	19.13	6.66
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.55*	
		For 316 Stainless Steel, Add	*32.77*	
		For Galvanized Steel, Add	*6.35*	
		For Aluminum, Add	*1.84*	
		For 304 Stainless Steel, Add	*29.18*	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 LB/LF	21.90	7.31
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000, Deduct	*-2.86*	
		For 316 Stainless Steel, Add	*38.88*	
		For Galvanized Steel, Add	*7.53*	
		For Aluminum, Add	*2.19*	
		For 304 Stainless Steel, Add	*34.63*	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 LB/LF	24.69	7.96
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.18*	
		For 316 Stainless Steel, Add	*45.02*	
		For Galvanized Steel, Add	*8.72*	
		For Aluminum, Add	*2.53*	
		For 304 Stainless Steel, Add	*40.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 LB/LF	28.96	8.53
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.59*	
		For >1,000, Deduct	*-3.59*	
		For 316 Stainless Steel, Add	*56.29*	
		For Galvanized Steel, Add	*10.91*	
		For Aluminum, Add	*3.17*	
		For 304 Stainless Steel, Add	*50.13*	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 LB/LF	32.92	9.10
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.99*	
		For 316 Stainless Steel, Add	*66.53*	
		For Galvanized Steel, Add	*12.89*	
		For Aluminum, Add	*3.74*	
		For 304 Stainless Steel, Add	*59.25*	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 LB/LF	42.66	10.40
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-4.93*	
		For 316 Stainless Steel, Add	*92.13*	
		For Galvanized Steel, Add	*17.85*	
		For Aluminum, Add	*5.18*	
		For 304 Stainless Steel, Add	*82.05*	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 LB/LF	54.21	12.35
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.12*	
		For 316 Stainless Steel, Add	*120.77*	
		For Galvanized Steel, Add	*23.40*	
		For Aluminum, Add	*6.79*	
		For 304 Stainless Steel, Add	*107.56*	
05 12 23 00-0640		**Round Stock** *(05 12 23 00-0422)*		
05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	2.62	
		For 316 Stainless Steel, Add	*4.90*	
		For Galvanized Steel, Add	*0.95*	
		For Aluminum, Add	*0.28*	
		For 304 Stainless Steel, Add	*4.36*	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	4.25	
		For 316 Stainless Steel, Add	*9.66*	
		For Galvanized Steel, Add	*1.87*	
		For Aluminum, Add	*0.54*	
		For 304 Stainless Steel, Add	*8.61*	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	5.94	
		For 316 Stainless Steel, Add	*14.69*	
		For Galvanized Steel, Add	*2.85*	
		For Aluminum, Add	*0.83*	
		For 304 Stainless Steel, Add	*13.08*	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	9.16	
		For 316 Stainless Steel, Add	*24.51*	
		For Galvanized Steel, Add	*4.75*	
		For Aluminum, Add	*1.38*	
		For 304 Stainless Steel, Add	*21.83*	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	10.89	
		For 316 Stainless Steel, Add	*29.09*	
		For Galvanized Steel, Add	*5.64*	
		For Aluminum, Add	*1.64*	
		For 304 Stainless Steel, Add	*25.91*	
05 12 23 00-0646	LF	7/8" Carbon Steel Rounds, ASTM A108	12.72	
		For 316 Stainless Steel, Add	*34.02*	
		For Galvanized Steel, Add	*6.59*	
		For Aluminum, Add	*1.91*	
		For 304 Stainless Steel, Add	*30.30*	
05 12 23 00-0647	LF	1" Carbon Steel Rounds, ASTM A108	18.65	
		For 316 Stainless Steel, Add	*51.81*	
		For Galvanized Steel, Add	*10.04*	
		For Aluminum, Add	*2.91*	
		For 304 Stainless Steel, Add	*46.14*	
05 12 23 00-0648	LF	1-1/8" Carbon Steel Rounds, ASTM A108	22.68	
		For 316 Stainless Steel, Add	*62.94*	
		For Galvanized Steel, Add	*12.20*	
		For Aluminum, Add	*3.54*	
		For 304 Stainless Steel, Add	*56.06*	
05 12 23 00-0649	LF	1-1/4" Carbon Steel Rounds, ASTM A108	27.02	
		For 316 Stainless Steel, Add	*74.08*	
		For Galvanized Steel, Add	*14.35*	
		For Aluminum, Add	*4.17*	
		For 304 Stainless Steel, Add	*65.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108	32.77	
		For 316 Stainless Steel, Add	*90.43*	
		For Galvanized Steel, Add	*17.52*	
		For Aluminum, Add	*5.09*	
		For 304 Stainless Steel, Add	*80.54*	
05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108	36.41	
		For 316 Stainless Steel, Add	*99.17*	
		For Galvanized Steel, Add	*19.21*	
		For Aluminum, Add	*5.58*	
		For 304 Stainless Steel, Add	*88.32*	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108	41.89	
		For 316 Stainless Steel, Add	*112.38*	
		For Galvanized Steel, Add	*21.77*	
		For Aluminum, Add	*6.32*	
		For 304 Stainless Steel, Add	*100.09*	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108	49.91	
		For 316 Stainless Steel, Add	*130.82*	
		For Galvanized Steel, Add	*25.35*	
		For Aluminum, Add	*7.36*	
		For 304 Stainless Steel, Add	*116.51*	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108	59.80	
		For 316 Stainless Steel, Add	*153.22*	
		For Galvanized Steel, Add	*29.69*	
		For Aluminum, Add	*8.62*	
		For 304 Stainless Steel, Add	*136.46*	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108	68.02	
		For 316 Stainless Steel, Add	*170.43*	
		For Galvanized Steel, Add	*33.02*	
		For Aluminum, Add	*9.59*	
		For 304 Stainless Steel, Add	*151.79*	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108	79.17	
		For 316 Stainless Steel, Add	*194.66*	
		For Galvanized Steel, Add	*37.71*	
		For Aluminum, Add	*10.95*	
		For 304 Stainless Steel, Add	*173.37*	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108	89.47	
		For 316 Stainless Steel, Add	*218.85*	
		For Galvanized Steel, Add	*42.40*	
		For Aluminum, Add	*12.31*	
		For 304 Stainless Steel, Add	*194.91*	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108	102.47	
		For 316 Stainless Steel, Add	*250.34*	
		For Galvanized Steel, Add	*48.50*	
		For Aluminum, Add	*14.08*	
		For 304 Stainless Steel, Add	*222.96*	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108	112.78	
		For 316 Stainless Steel, Add	*269.79*	
		For Galvanized Steel, Add	*52.27*	
		For Aluminum, Add	*15.18*	
		For 304 Stainless Steel, Add	*240.28*	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108	138.71	
		For 316 Stainless Steel, Add	*342.69*	
		For Galvanized Steel, Add	*66.40*	
		For Aluminum, Add	*19.28*	
		For 304 Stainless Steel, Add	*305.21*	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108	157.97	
		For 316 Stainless Steel, Add	*390.78*	
		For Galvanized Steel, Add	*75.71*	
		For Aluminum, Add	*21.98*	
		For 304 Stainless Steel, Add	*348.04*	
05 12 23 00-0662	LF	2-7/8 Carbon Steel Rounds, ASTM A108	176.15	
		For 316 Stainless Steel, Add	*435.49*	
		For Galvanized Steel, Add	*84.38*	
		For Aluminum, Add	*24.50*	
		For 304 Stainless Steel, Add	*387.86*	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108	184.45	
		For 316 Stainless Steel, Add	*448.54*	
		For Galvanized Steel, Add	*86.91*	
		For Aluminum, Add	*25.23*	
		For 304 Stainless Steel, Add	*399.48*	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	191.77	
		For 316 Stainless Steel, Add	*458.50*	
		For Galvanized Steel, Add	*88.83*	
		For Aluminum, Add	*25.79*	
		For 304 Stainless Steel, Add	*408.35*	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	201.83	
		For 316 Stainless Steel, Add	*477.18*	
		For Galvanized Steel, Add	*92.45*	
		For Aluminum, Add	*26.84*	
		For 304 Stainless Steel, Add	*424.99*	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	247.20	
		For 316 Stainless Steel, Add	*605.47*	
		For Galvanized Steel, Add	*117.31*	
		For Aluminum, Add	*34.06*	
		For 304 Stainless Steel, Add	*539.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	274.92	
		For 316 Stainless Steel, Add	*677.34*	
		For Galvanized Steel, Add	*131.24*	
		For Aluminum, Add	*38.10*	
		For 304 Stainless Steel, Add	*603.26*	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	294.95	
		For 316 Stainless Steel, Add	*724.54*	
		For Galvanized Steel, Add	*140.38*	
		For Aluminum, Add	*40.76*	
		For 304 Stainless Steel, Add	*645.30*	
05 12 23 00-0669	LF	4" Carbon Steel Rounds, ASTM A108	331.59	
		For 316 Stainless Steel, Add	*824.93*	
		For Galvanized Steel, Add	*159.83*	
		For Aluminum, Add	*46.40*	
		For 304 Stainless Steel, Add	*734.70*	
05 12 23 00-0670		Square Stock *(05 12 23 00-0422)*		
05 12 23 00-0671	LF	3/8" Square Bar Stock	1.94	
		For 316 Stainless Steel, Add	*2.27*	
		For Galvanized Steel, Add	*0.44*	
		For Aluminum, Add	*0.13*	
		For 304 Stainless Steel, Add	*2.02*	
05 12 23 00-0672	LF	1/2" Square Bar Stock	2.61	
		For 316 Stainless Steel, Add	*4.03*	
		For Galvanized Steel, Add	*0.78*	
		For Aluminum, Add	*0.23*	
		For 304 Stainless Steel, Add	*3.59*	
05 12 23 00-0673	LF	5/8" Square Bar Stock	3.46	
		For 316 Stainless Steel, Add	*6.27*	
		For Galvanized Steel, Add	*1.22*	
		For Aluminum, Add	*0.35*	
		For 304 Stainless Steel, Add	*5.59*	
05 12 23 00-0674	LF	3/4" Square Bar Stock	4.63	
		For 316 Stainless Steel, Add	*9.06*	
		For Galvanized Steel, Add	*1.75*	
		For Aluminum, Add	*0.51*	
		For 304 Stainless Steel, Add	*8.07*	
05 12 23 00-0675	LF	7/8" Square Bar Stock	6.04	
		For 316 Stainless Steel, Add	*12.64*	
		For Galvanized Steel, Add	*2.45*	
		For Aluminum, Add	*0.71*	
		For 304 Stainless Steel, Add	*11.26*	
05 12 23 00-0676	LF	1" Square Bar Stock	7.51	
		For 316 Stainless Steel, Add	*16.16*	
		For Galvanized Steel, Add	*3.13*	
		For Aluminum, Add	*0.91*	
		For 304 Stainless Steel, Add	*14.39*	
05 12 23 00-0677	LF	1-1/4" Square Bar Stock	11.75	
		For 316 Stainless Steel, Add	*25.22*	
		For Galvanized Steel, Add	*4.89*	
		For Aluminum, Add	*1.42*	
		For 304 Stainless Steel, Add	*22.46*	
05 12 23 00-0678	LF	1-1/2" Square Bar Stock	16.77	
		For 316 Stainless Steel, Add	*36.32*	
		For Galvanized Steel, Add	*7.04*	
		For Aluminum, Add	*2.04*	
		For 304 Stainless Steel, Add	*32.35*	
05 12 23 00-0679	LF	1-3/4" Square Bar Stock	24.82	
		For 316 Stainless Steel, Add	*50.53*	
		For Galvanized Steel, Add	*9.79*	
		For Aluminum, Add	*2.84*	
		For 304 Stainless Steel, Add	*45.00*	
05 12 23 00-0680	LF	2" Square Bar Stock	35.37	
		For 316 Stainless Steel, Add	*64.64*	
		For Galvanized Steel, Add	*12.52*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*57.57*	
05 12 23 00-0681		Steel Tubing *(05 12 23 00-0422)*		
		Note: General purpose low-carbon steel.		
05 12 23 00-0682		Square Steel Tubing *(05 12 23 00-0681)*		
05 12 23 00-0683		0.06" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0684	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.64	0.58
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000, Deduct	*-0.30*	
		For 316 Stainless Steel, Add	*5.95*	
		For Galvanized Steel, Add	*1.15*	
		For Aluminum, Add	*0.33*	
		For 304 Stainless Steel, Add	*5.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0685	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	4.05	0.92
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.46*	
		For 316 Stainless Steel, Add	*9.06*	
		For Galvanized Steel, Add	*1.75*	
		For Aluminum, Add	*0.51*	
		For 304 Stainless Steel, Add	*8.07*	
05 12 23 00-0686	LF	1" x 1" x 0.06" Square Steel Tubing	5.44	1.66
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.62*	
		For 316 Stainless Steel, Add	*12.10*	
		For Galvanized Steel, Add	*2.34*	
		For Aluminum, Add	*0.68*	
		For 304 Stainless Steel, Add	*10.77*	
05 12 23 00-0687	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	7.20	1.58
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.80*	
		For 316 Stainless Steel, Add	*16.29*	
		For Galvanized Steel, Add	*3.16*	
		For Aluminum, Add	*0.92*	
		For 304 Stainless Steel, Add	*14.51*	
05 12 23 00-0688	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.53	1.91
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.96*	
		For 316 Stainless Steel, Add	*19.14*	
		For Galvanized Steel, Add	*3.71*	
		For Aluminum, Add	*1.08*	
		For 304 Stainless Steel, Add	*17.04*	

05 12 23 00-0689 0.083" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0690	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	4.71	1.07
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.53*	
		For 316 Stainless Steel, Add	*10.50*	
		For Galvanized Steel, Add	*2.03*	
		For Aluminum, Add	*0.59*	
		For 304 Stainless Steel, Add	*9.35*	
05 12 23 00-0691	LF	1" x 1" x 0.083" Square Steel Tubing	6.86	1.47
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.76*	
		For 316 Stainless Steel, Add	*15.68*	
		For Galvanized Steel, Add	*3.04*	
		For Aluminum, Add	*0.88*	
		For 304 Stainless Steel, Add	*13.97*	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.29	1.87
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.93*	
		For 316 Stainless Steel, Add	*18.53*	
		For Galvanized Steel, Add	*3.59*	
		For Aluminum, Add	*1.04*	
		For 304 Stainless Steel, Add	*16.50*	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	10.02	2.28
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.13*	
		For 316 Stainless Steel, Add	*22.37*	
		For Galvanized Steel, Add	*4.33*	
		For Aluminum, Add	*1.26*	
		For 304 Stainless Steel, Add	*19.92*	
05 12 23 00-0694	LF	2" x 2" x 0.083" Square Steel Tubing	12.84	3.03
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.47*	
		For 316 Stainless Steel, Add	*28.13*	
		For Galvanized Steel, Add	*5.45*	
		For Aluminum, Add	*1.58*	
		For 304 Stainless Steel, Add	*25.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0695		0.12" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0696	LF	1" x 1" x 0.12" Square Steel Tubing	7.57	1.75
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.86*	
		For 316 Stainless Steel, Add	*16.74*	
		For Galvanized Steel, Add	*3.24*	
		For Aluminum, Add	*0.94*	
		For 304 Stainless Steel, Add	*14.91*	
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	9.75	2.25
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.11*	
		For 316 Stainless Steel, Add	*21.60*	
		For Galvanized Steel, Add	*4.19*	
		For Aluminum, Add	*1.22*	
		For 304 Stainless Steel, Add	*19.24*	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	11.97	2.75
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.36*	
		For 316 Stainless Steel, Add	*26.56*	
		For Galvanized Steel, Add	*5.15*	
		For Aluminum, Add	*1.49*	
		For 304 Stainless Steel, Add	*23.66*	
05 12 23 00-0699	LF	2" x 2" x 0.12" Square Steel Tubing	16.19	3.75
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000, Deduct	*-1.84*	
		For 316 Stainless Steel, Add	*35.84*	
		For Galvanized Steel, Add	*6.94*	
		For Aluminum, Add	*2.02*	
		For 304 Stainless Steel, Add	*31.92*	
05 12 23 00-0700		1/8" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0701	LF	2" x 2" x 1/8" Square Steel Tubing	14.53	3.89
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.74*	
		For 316 Stainless Steel, Add	*29.89*	
		For Galvanized Steel, Add	*5.79*	
		For Aluminum, Add	*1.68*	
		For 304 Stainless Steel, Add	*26.62*	
05 12 23 00-0702	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	19.18	4.93
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.26*	
		For 316 Stainless Steel, Add	*40.35*	
		For Galvanized Steel, Add	*7.82*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*35.94*	
05 12 23 00-0703	LF	3" x 3" x 1/8" Square Steel Tubing	22.45	5.96
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-2.68*	
		For 316 Stainless Steel, Add	*46.40*	
		For Galvanized Steel, Add	*8.99*	
		For Aluminum, Add	*2.61*	
		For 304 Stainless Steel, Add	*41.33*	
05 12 23 00-0704	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	26.00	7.00
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000, Deduct	*-3.12*	
		For 316 Stainless Steel, Add	*53.34*	
		For Galvanized Steel, Add	*10.34*	
		For Aluminum, Add	*3.00*	
		For 304 Stainless Steel, Add	*47.51*	
05 12 23 00-0705	LF	4" x 4" x 1/8" Square Steel Tubing	28.62	8.04
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.49*	
		For 316 Stainless Steel, Add	*57.28*	
		For Galvanized Steel, Add	*11.10*	
		For Aluminum, Add	*3.22*	
		For 304 Stainless Steel, Add	*51.02*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706		3/16" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0707	LF	2" x 2" x 3/16" Square Steel Tubing	16.47	4.39
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.97*	
		For 316 Stainless Steel, Add	*33.98*	
		For Galvanized Steel, Add	*6.58*	
		For Aluminum, Add	*1.91*	
		For 304 Stainless Steel, Add	*30.27*	
05 12 23 00-0708	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	21.32	5.68
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.55*	
		For 316 Stainless Steel, Add	*44.00*	
		For Galvanized Steel, Add	*8.53*	
		For Aluminum, Add	*2.48*	
		For 304 Stainless Steel, Add	*39.19*	
05 12 23 00-0709	LF	3" x 3" x 3/16" Square Steel Tubing	26.21	6.98
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-3.13*	
		For 316 Stainless Steel, Add	*54.08*	
		For Galvanized Steel, Add	*10.48*	
		For Aluminum, Add	*3.04*	
		For 304 Stainless Steel, Add	*48.17*	
05 12 23 00-0710	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	31.08	8.28
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.71*	
		For 316 Stainless Steel, Add	*64.13*	
		For Galvanized Steel, Add	*12.42*	
		For Aluminum, Add	*3.61*	
		For 304 Stainless Steel, Add	*57.11*	
05 12 23 00-0711	LF	4" x 4" x 3/16" Square Steel Tubing	35.92	9.57
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.85*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000, Deduct	*-4.29*	
		For 316 Stainless Steel, Add	*74.14*	
		For Galvanized Steel, Add	*14.37*	
		For Aluminum, Add	*4.17*	
		For 304 Stainless Steel, Add	*66.03*	
05 12 23 00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	40.80	10.87
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-4.87*	
		For 316 Stainless Steel, Add	*84.19*	
		For Galvanized Steel, Add	*16.31*	
		For Aluminum, Add	*4.74*	
		For 304 Stainless Steel, Add	*74.98*	
05 12 23 00-0713	LF	5" x 5" x 3/16" Square Steel Tubing	45.65	12.16
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.36*	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000, Deduct	*-5.45*	
		For 316 Stainless Steel, Add	*94.21*	
		For Galvanized Steel, Add	*18.25*	
		For Aluminum, Add	*5.30*	
		For 304 Stainless Steel, Add	*83.90*	
05 12 23 00-0714	LF	6" x 6" x 3/16" Square Steel Tubing	55.41	14.76
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.74*	
		For >1,000, Deduct	*-6.62*	
		For 316 Stainless Steel, Add	*114.34*	
		For Galvanized Steel, Add	*22.15*	
		For Aluminum, Add	*6.43*	
		For 304 Stainless Steel, Add	*101.83*	
05 12 23 00-0715		1/4" Wall Thickness *(05 12 23 00-0682)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716	LF	2" x 2" x 1/4" Square Steel Tubing	17.60	4.39
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000, Deduct	*-2.05*	
		For 316 Stainless Steel, Add	*37.57*	
		For Galvanized Steel, Add	*7.28*	
		For Aluminum, Add	*2.11*	
		For 304 Stainless Steel, Add	*33.46*	
05 12 23 00-0717	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	23.14	5.77
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.70*	
		For 316 Stainless Steel, Add	*49.38*	
		For Galvanized Steel, Add	*9.57*	
		For Aluminum, Add	*2.78*	
		For 304 Stainless Steel, Add	*48.98*	
05 12 23 00-0718	LF	3" x 3" x 1/4" Square Steel Tubing	28.66	7.16
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.34*	
		For 316 Stainless Steel, Add	*61.18*	
		For Galvanized Steel, Add	*11.85*	
		For Aluminum, Add	*3.44*	
		For 304 Stainless Steel, Add	*54.49*	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	34.19	8.54
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.99*	
		For 316 Stainless Steel, Add	*72.99*	
		For Galvanized Steel, Add	*14.14*	
		For Aluminum, Add	*4.11*	
		For 304 Stainless Steel, Add	*65.01*	
05 12 23 00-0720	LF	4" x 4" x 1/4" Square Steel Tubing	39.73	9.92
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.63*	
		For 316 Stainless Steel, Add	*84.80*	
		For Galvanized Steel, Add	*16.43*	
		For Aluminum, Add	*4.77*	
		For 304 Stainless Steel, Add	*75.53*	
05 12 23 00-0721	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	45.26	11.30
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-5.28*	
		For 316 Stainless Steel, Add	*96.61*	
		For Galvanized Steel, Add	*18.72*	
		For Aluminum, Add	*5.43*	
		For 304 Stainless Steel, Add	*86.04*	
05 12 23 00-0722	LF	5" x 5" x 1/4" Square Steel Tubing	50.83	12.69
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.54*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000, Deduct	*-5.93*	
		For 316 Stainless Steel, Add	*108.48*	
		For Galvanized Steel, Add	*21.02*	
		For Aluminum, Add	*6.10*	
		For 304 Stainless Steel, Add	*96.62*	
05 12 23 00-0723	LF	6" x 6" x 1/4" Square Steel Tubing	61.89	15.45
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-3.09*	
		For >500 To 1,000, Deduct	*-5.16*	
		For >1,000, Deduct	*-7.22*	
		For 316 Stainless Steel, Add	*132.10*	
		For Galvanized Steel, Add	*25.59*	
		For Aluminum, Add	*7.43*	
		For 304 Stainless Steel, Add	*117.65*	

05 12 23 00-0724 Rectangular Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0725 3/16" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0726	LF	3" x 2" x 3/16" Square Steel Tubing	21.32	5.68
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-2.55*	
		For 316 Stainless Steel, Add	*44.00*	
		For Galvanized Steel, Add	*8.53*	
		For Aluminum, Add	*2.48*	
		For 304 Stainless Steel, Add	*39.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF	4" x 2" x 3/16" Square Steel Tubing	26.21	6.98
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-3.13*	
		For 316 Stainless Steel, Add	*54.08*	
		For Galvanized Steel, Add	*10.48*	
		For Aluminum, Add	*3.04*	
		For 304 Stainless Steel, Add	*48.17*	
05 12 23 00-0728	LF	4" x 3" x 3/16" Square Steel Tubing	31.08	8.28
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.71*	
		For 316 Stainless Steel, Add	*64.13*	
		For Galvanized Steel, Add	*12.42*	
		For Aluminum, Add	*3.61*	
		For 304 Stainless Steel, Add	*57.11*	
05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing	31.08	8.28
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.71*	
		For 316 Stainless Steel, Add	*64.13*	
		For Galvanized Steel, Add	*12.42*	
		For Aluminum, Add	*3.61*	
		For 304 Stainless Steel, Add	*57.11*	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing	35.92	9.57
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.85*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000, Deduct	*-4.29*	
		For 316 Stainless Steel, Add	*74.14*	
		For Galvanized Steel, Add	*14.37*	
		For Aluminum, Add	*4.17*	
		For 304 Stainless Steel, Add	*66.03*	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing	40.80	10.87
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-4.87*	
		For 316 Stainless Steel, Add	*84.19*	
		For Galvanized Steel, Add	*16.31*	
		For Aluminum, Add	*4.74*	
		For 304 Stainless Steel, Add	*74.98*	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing	35.92	9.57
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.85*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000, Deduct	*-4.29*	
		For 316 Stainless Steel, Add	*74.14*	
		For Galvanized Steel, Add	*14.37*	
		For Aluminum, Add	*4.17*	
		For 304 Stainless Steel, Add	*66.03*	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing	40.80	10.87
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-4.87*	
		For 316 Stainless Steel, Add	*84.19*	
		For Galvanized Steel, Add	*16.31*	
		For Aluminum, Add	*4.74*	
		For 304 Stainless Steel, Add	*74.98*	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing	45.65	12.16
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.36*	
		For >500 To 1,000, Deduct	*-3.90*	
		For >1,000, Deduct	*-5.45*	
		For 316 Stainless Steel, Add	*94.21*	
		For Galvanized Steel, Add	*18.25*	
		For Aluminum, Add	*5.30*	
		For 304 Stainless Steel, Add	*83.90*	

05 12 23 00-0735 1/4" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing	23.14	5.77
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.70*	
		For 316 Stainless Steel, Add	*49.38*	
		For Galvanized Steel, Add	*9.57*	
		For Aluminum, Add	*2.78*	
		For 304 Stainless Steel, Add	*43.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737	LF	4" x 2" x 1/4" Square Steel Tubing	28.66	7.16
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.34*	
		For 316 Stainless Steel, Add	*61.18*	
		For Galvanized Steel, Add	*11.85*	
		For Aluminum, Add	*3.44*	
		For 304 Stainless Steel, Add	*54.49*	
05 12 23 00-0738	LF	4" x 3" x 1/4" Square Steel Tubing	34.19	8.54
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.99*	
		For 316 Stainless Steel, Add	*72.99*	
		For Galvanized Steel, Add	*14.14*	
		For Aluminum, Add	*4.11*	
		For 304 Stainless Steel, Add	*65.01*	
05 12 23 00-0739	LF	5" x 2" x 1/4" Square Steel Tubing	34.19	8.54
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.99*	
		For 316 Stainless Steel, Add	*72.99*	
		For Galvanized Steel, Add	*14.14*	
		For Aluminum, Add	*4.11*	
		For 304 Stainless Steel, Add	*65.01*	
05 12 23 00-0740	LF	5" x 3" x 1/4" Square Steel Tubing	39.73	9.92
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.63*	
		For 316 Stainless Steel, Add	*84.80*	
		For Galvanized Steel, Add	*16.43*	
		For Aluminum, Add	*4.77*	
		For 304 Stainless Steel, Add	*75.53*	
05 12 23 00-0741	LF	5" x 4" x 1/4" Square Steel Tubing	45.26	11.30
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-5.28*	
		For 316 Stainless Steel, Add	*96.61*	
		For Galvanized Steel, Add	*18.72*	
		For Aluminum, Add	*5.43*	
		For 304 Stainless Steel, Add	*86.04*	
05 12 23 00-0742	LF	6" x 2" x 1/4" Square Steel Tubing	39.73	9.92
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.63*	
		For 316 Stainless Steel, Add	*84.80*	
		For Galvanized Steel, Add	*16.43*	
		For Aluminum, Add	*4.77*	
		For 304 Stainless Steel, Add	*75.53*	
05 12 23 00-0743	LF	6" x 3" x 1/4" Square Steel Tubing	45.26	11.30
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-5.28*	
		For 316 Stainless Steel, Add	*96.61*	
		For Galvanized Steel, Add	*18.72*	
		For Aluminum, Add	*5.43*	
		For 304 Stainless Steel, Add	*86.04*	
05 12 23 00-0744	LF	6" x 4" x 1/4" Square Steel Tubing	50.83	12.69
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.54*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000, Deduct	*-5.93*	
		For 316 Stainless Steel, Add	*108.48*	
		For Galvanized Steel, Add	*21.02*	
		For Aluminum, Add	*6.10*	
		For 304 Stainless Steel, Add	*96.62*	

05 12 23 00-0745 Round Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0746 0.065" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0747	LF	1" Diameter x 0.065" Round Steel Tubing	4.71	1.06
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.53*	
		For 316 Stainless Steel, Add	*10.56*	
		For Galvanized Steel, Add	*2.05*	
		For Aluminum, Add	*0.59*	
		For 304 Stainless Steel, Add	*9.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	5.96	1.34
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.67*	
		For 316 Stainless Steel, Add	*13.38*	
		For Galvanized Steel, Add	*2.59*	
		For Aluminum, Add	*0.75*	
		For 304 Stainless Steel, Add	*11.91*	
05 12 23 00-0749	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	7.22	1.62
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000, Deduct	*-0.81*	
		For 316 Stainless Steel, Add	*16.19*	
		For Galvanized Steel, Add	*3.14*	
		For Aluminum, Add	*0.91*	
		For 304 Stainless Steel, Add	*14.42*	
05 12 23 00-0750	LF	2" Diameter x 0.065" Round Steel Tubing	9.74	2.19
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.09*	
		For 316 Stainless Steel, Add	*21.86*	
		For Galvanized Steel, Add	*4.23*	
		For Aluminum, Add	*1.23*	
		For 304 Stainless Steel, Add	*19.47*	
05 12 23 00-0751	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	12.26	2.75
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.38*	
		For 316 Stainless Steel, Add	*27.49*	
		For Galvanized Steel, Add	*5.33*	
		For Aluminum, Add	*1.55*	
		For 304 Stainless Steel, Add	*24.48*	
05 12 23 00-0752	LF	3" Diameter x 0.065" Round Steel Tubing	14.77	3.31
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.66*	
		For 316 Stainless Steel, Add	*33.15*	
		For Galvanized Steel, Add	*6.42*	
		For Aluminum, Add	*1.86*	
		For 304 Stainless Steel, Add	*29.53*	
05 12 23 00-0753	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	17.30	3.88
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.94*	
		For 316 Stainless Steel, Add	*38.82*	
		For Galvanized Steel, Add	*7.52*	
		For Aluminum, Add	*2.18*	
		For 304 Stainless Steel, Add	*34.57*	
05 12 23 00-0754	LF	4" Diameter x 0.065" Round Steel Tubing	19.81	4.44
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.23*	
		For 316 Stainless Steel, Add	*44.45*	
		For Galvanized Steel, Add	*8.61*	
		For Aluminum, Add	*2.50*	
		For 304 Stainless Steel, Add	*39.59*	

05 12 23 00-0755 0.083" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0756	LF	1" Diameter x 0.083" Round Steel Tubing	5.11	1.16
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000, Deduct	*-0.58*	
		For 316 Stainless Steel, Add	*11.42*	
		For Galvanized Steel, Add	*2.21*	
		For Aluminum, Add	*0.64*	
		For 304 Stainless Steel, Add	*10.17*	
05 12 23 00-0757	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	6.50	1.47
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.73*	
		For 316 Stainless Steel, Add	*14.53*	
		For Galvanized Steel, Add	*2.81*	
		For Aluminum, Add	*0.82*	
		For 304 Stainless Steel, Add	*12.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	7.90	1.78
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.89*	
		For 316 Stainless Steel, Add	*17.66*	
		For Galvanized Steel, Add	*3.42*	
		For Aluminum, Add	*0.99*	
		For 304 Stainless Steel, Add	*15.73*	
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	10.68	2.42
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.20*	
		For 316 Stainless Steel, Add	*23.87*	
		For Galvanized Steel, Add	*4.63*	
		For Aluminum, Add	*1.34*	
		For 304 Stainless Steel, Add	*21.26*	
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.47	3.04
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.52*	
		For 316 Stainless Steel, Add	*30.11*	
		For Galvanized Steel, Add	*5.83*	
		For Aluminum, Add	*1.69*	
		For 304 Stainless Steel, Add	*26.82*	
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	16.27	3.68
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.83*	
		For 316 Stainless Steel, Add	*36.35*	
		For Galvanized Steel, Add	*7.04*	
		For Aluminum, Add	*2.04*	
		For 304 Stainless Steel, Add	*32.38*	
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	19.04	4.31
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000, Deduct	*-2.15*	
		For 316 Stainless Steel, Add	*42.56*	
		For Galvanized Steel, Add	*8.25*	
		For Aluminum, Add	*2.39*	
		For 304 Stainless Steel, Add	*37.91*	
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	21.83	4.94
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.46*	
		For 316 Stainless Steel, Add	*48.80*	
		For Galvanized Steel, Add	*9.46*	
		For Aluminum, Add	*2.75*	
		For 304 Stainless Steel, Add	*43.46*	
05 12 23 00-0764		0.125" Wall Thickness *(05 12 23 00-0745)*		
05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.39	3.05
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.36*	
		For 316 Stainless Steel, Add	*23.42*	
		For Galvanized Steel, Add	*4.54*	
		For Aluminum, Add	*1.32*	
		For 304 Stainless Steel, Add	*20.86*	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.44	3.87
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.73*	
		For 316 Stainless Steel, Add	*29.70*	
		For Galvanized Steel, Add	*5.75*	
		For Aluminum, Add	*1.67*	
		For 304 Stainless Steel, Add	*26.45*	
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	17.47	4.67
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.09*	
		For 316 Stainless Steel, Add	*35.94*	
		For Galvanized Steel, Add	*6.96*	
		For Aluminum, Add	*2.02*	
		For 304 Stainless Steel, Add	*32.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	20.50	5.49
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000, Deduct	*-2.45*	
		For 316 Stainless Steel, Add	*42.18*	
		For Galvanized Steel, Add	*8.17*	
		For Aluminum, Add	*2.37*	
		For 304 Stainless Steel, Add	*37.56*	
05 12 23 00-0769	LF	4" Diameter x 0.125" Round Steel Tubing	23.54	6.31
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*48.45*	
		For Galvanized Steel, Add	*9.39*	
		For Aluminum, Add	*2.73*	
		For 304 Stainless Steel, Add	*43.15*	
05 12 23 00-0770		**Flat Steel Bar** *(05 12 23 00-0422)*		
05 12 23 00-0771		**1/8" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0772	LF	1/8" Thick x 1" Wide Flat Steel Bar	3.37	1.52
		For 316 Stainless Steel, Add	*3.49*	
		For Galvanized Steel, Add	*0.68*	
		For Aluminum, Add	*0.20*	
		For 304 Stainless Steel, Add	*3.11*	
05 12 23 00-0773	LF	1/8" Thick x 2" Wide Flat Steel Bar	5.23	2.28
		For 316 Stainless Steel, Add	*5.79*	
		For Galvanized Steel, Add	*1.12*	
		For Aluminum, Add	*0.33*	
		For 304 Stainless Steel, Add	*5.16*	
05 12 23 00-0774	LF	1/8" Thick x 4" Wide Flat Steel Bar	8.11	3.20
		For 316 Stainless Steel, Add	*10.53*	
		For Galvanized Steel, Add	*2.04*	
		For Aluminum, Add	*0.59*	
		For 304 Stainless Steel, Add	*9.38*	
05 12 23 00-0775	LF	1/8" Thick x 6" Wide Flat Steel Bar	10.98	4.35
		For 316 Stainless Steel, Add	*14.24*	
		For Galvanized Steel, Add	*2.76*	
		For Aluminum, Add	*0.80*	
		For 304 Stainless Steel, Add	*12.68*	
05 12 23 00-0776		**3/16" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0777	LF	3/16" Thick x 1" Wide Flat Steel Bar	4.49	1.88
		For 316 Stainless Steel, Add	*5.31*	
		For Galvanized Steel, Add	*1.03*	
		For Aluminum, Add	*0.30*	
		For 304 Stainless Steel, Add	*4.73*	
05 12 23 00-0778	LF	3/16" Thick x 2" Wide Flat Steel Bar	7.11	2.83
		For 316 Stainless Steel, Add	*9.15*	
		For Galvanized Steel, Add	*1.77*	
		For Aluminum, Add	*0.51*	
		For 304 Stainless Steel, Add	*8.15*	
05 12 23 00-0779	LF	3/16" Thick x 4" Wide Flat Steel Bar	9.71	3.25
		For 316 Stainless Steel, Add	*15.46*	
		For Galvanized Steel, Add	*2.99*	
		For Aluminum, Add	*0.87*	
		For 304 Stainless Steel, Add	*13.77*	
05 12 23 00-0780	LF	3/16" Thick x 6" Wide Flat Steel Bar	13.43	4.50
		For 316 Stainless Steel, Add	*21.34*	
		For Galvanized Steel, Add	*4.14*	
		For Aluminum, Add	*1.20*	
		For 304 Stainless Steel, Add	*19.01*	
05 12 23 00-0781		**1/4" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0782	LF	1/4" Thick x 1" Wide Flat Steel Bar	4.63	1.99
		For 316 Stainless Steel, Add	*5.25*	
		For Galvanized Steel, Add	*1.02*	
		For Aluminum, Add	*0.30*	
		For 304 Stainless Steel, Add	*4.67*	
05 12 23 00-0783	LF	1/4" Thick x 2" Wide Flat Steel Bar	7.79	2.99
		For 316 Stainless Steel, Add	*10.59*	
		For Galvanized Steel, Add	*2.05*	
		For Aluminum, Add	*0.60*	
		For 304 Stainless Steel, Add	*9.43*	
05 12 23 00-0784	LF	1/4" Thick x 4" Wide Flat Steel Bar	11.54	3.42
		For 316 Stainless Steel, Add	*20.51*	
		For Galvanized Steel, Add	*3.97*	
		For Aluminum, Add	*1.15*	
		For 304 Stainless Steel, Add	*18.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785	LF	1/4" Thick x 6" Wide Flat Steel Bar	16.68	5.05
		For 316 Stainless Steel, Add	*29.09*	
		For Galvanized Steel, Add	*5.64*	
		For Aluminum, Add	*1.64*	
		For 304 Stainless Steel, Add	*25.91*	
05 12 23 00-0786		3/8" Thick *(05 12 23 00-0770)*		
05 12 23 00-0787	LF	3/8" Thick x 1" Wide Flat Steel Bar	5.93	2.25
		For 316 Stainless Steel, Add	*8.22*	
		For Galvanized Steel, Add	*1.59*	
		For Aluminum, Add	*0.46*	
		For 304 Stainless Steel, Add	*7.32*	
05 12 23 00-0788	LF	3/8" Thick x 2" Wide Flat Steel Bar	9.79	3.35
		For 316 Stainless Steel, Add	*15.17*	
		For Galvanized Steel, Add	*2.94*	
		For Aluminum, Add	*0.85*	
		For 304 Stainless Steel, Add	*13.51*	
05 12 23 00-0789	LF	3/8" Thick x 4" Wide Flat Steel Bar	15.24	3.84
		For 316 Stainless Steel, Add	*30.34*	
		For Galvanized Steel, Add	*5.88*	
		For Aluminum, Add	*1.71*	
		For 304 Stainless Steel, Add	*27.02*	
05 12 23 00-0790	LF	3/8" Thick x 6" Wide Flat Steel Bar	21.87	5.68
		For 316 Stainless Steel, Add	*42.69*	
		For Galvanized Steel, Add	*8.27*	
		For Aluminum, Add	*2.40*	
		For 304 Stainless Steel, Add	*38.02*	
05 12 23 00-0791		1/2" Thick *(05 12 23 00-0770)*		
05 12 23 00-0792	LF	1/2" Thick x 1" Wide Flat Steel Bar	7.00	2.46
		For 316 Stainless Steel, Add	*10.53*	
		For Galvanized Steel, Add	*2.04*	
		For Aluminum, Add	*0.59*	
		For 304 Stainless Steel, Add	*9.38*	
05 12 23 00-0793	LF	1/2" Thick x 2" Wide Flat Steel Bar	11.61	3.71
		For 316 Stainless Steel, Add	*19.36*	
		For Galvanized Steel, Add	*3.75*	
		For Aluminum, Add	*1.09*	
		For 304 Stainless Steel, Add	*17.24*	
05 12 23 00-0794	LF	1/2" Thick x 4" Wide Flat Steel Bar	16.65	4.21
		For 316 Stainless Steel, Add	*32.99*	
		For Galvanized Steel, Add	*6.39*	
		For Aluminum, Add	*1.86*	
		For 304 Stainless Steel, Add	*29.38*	
05 12 23 00-0795	LF	1/2" Thick x 6" Wide Flat Steel Bar	29.95	6.26
		For 316 Stainless Steel, Add	*65.82*	
		For Galvanized Steel, Add	*12.75*	
		For Aluminum, Add	*3.70*	
		For 304 Stainless Steel, Add	*58.62*	
05 12 23 00-0796		Flat Steel Plate *(05 12 23 00-0422)*		
05 12 23 00-0797	SF	1/8" Thick Flat Steel Plate	17.56	6.53
		For 316 Stainless Steel, Add	*24.83*	
		For Galvanized Steel, Add	*4.81*	
		For Aluminum, Add	*1.40*	
		For 304 Stainless Steel, Add	*22.12*	
05 12 23 00-0798	SF	3/16" Thick Flat Steel Plate	19.87	6.76
		For 316 Stainless Steel, Add	*31.07*	
		For Galvanized Steel, Add	*6.02*	
		For Aluminum, Add	*1.75*	
		For 304 Stainless Steel, Add	*27.67*	
05 12 23 00-0799	SF	1/4" Thick Flat Steel Plate	23.75	7.58
		For 316 Stainless Steel, Add	*39.62*	
		For Galvanized Steel, Add	*7.68*	
		For Aluminum, Add	*2.23*	
		For 304 Stainless Steel, Add	*35.28*	
05 12 23 00-0800	SF	3/8" Thick Flat Steel Plate	32.22	8.52
		For 316 Stainless Steel, Add	*62.18*	
		For Galvanized Steel, Add	*12.05*	
		For Aluminum, Add	*3.50*	
		For 304 Stainless Steel, Add	*55.38*	
05 12 23 00-0801	SF	1/2" Thick Flat Steel Plate	38.28	9.37
		For 316 Stainless Steel, Add	*77.47*	
		For Galvanized Steel, Add	*15.01*	
		For Aluminum, Add	*4.36*	
		For 304 Stainless Steel, Add	*69.00*	
05 12 23 00-0802	SF	3/4" Thick Flat Steel Plate	62.99	11.62
		For 316 Stainless Steel, Add	*145.28*	
		For Galvanized Steel, Add	*28.15*	
		For Aluminum, Add	*8.17*	
		For 304 Stainless Steel, Add	*129.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803	SF	1" Thick Flat Steel Plate	84.15	14.52
		For 316 Stainless Steel, Add	*198.91*	
		For Galvanized Steel, Add	*38.54*	
		For Aluminum, Add	*11.19*	
		For 304 Stainless Steel, Add	*177.16*	
05 12 23 00-0804		Metal Runner/Track *(05 12 23 00-0422)*		
05 12 23 00-0805	LF	4" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner	7.79	3.63
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.19*	
05 12 23 00-0806	LF	6" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner	9.33	4.06
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.38*	
05 12 23 00-0807	LF	8" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner	11.15	4.67
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.62*	
05 12 23 00-0808	LF	10" Wide x 1-1/4" Leg, 18 Gauge, Slotted Metal Runner	12.93	5.08
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.82*	
05 12 23 00-0809	LF	4" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner	8.42	3.63
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.24*	
05 12 23 00-0810	LF	6" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner	10.24	4.06
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.45*	
05 12 23 00-0811	LF	8" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner	12.05	4.67
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.68*	
05 12 23 00-0812	LF	10" Wide x 1-1/4" Leg, 16 Gauge, Slotted Metal Runner	14.05	5.08
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.90*	
05 12 23 00-0813	LF	4" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner	9.41	4.02
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.38*	
05 12 23 00-0814	LF	6" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner	11.46	4.47
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.60*	
05 12 23 00-0815	LF	8" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner	13.10	5.14
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.84*	
05 12 23 00-0816	LF	10" Wide x 1-1/4" Leg, 14 Gauge, Slotted Metal Runner	15.27	5.58
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.08*	

05 13 Structural Stainless-Steel Framing *(05 10)*

05 13 00 00-0001		Stainless Steel Tube *(05 13)*		
05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube	36.58	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	47.48	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube	64.91	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001		Rolled Or Plate Shapes *(05 14 13)* Note: 1" through 10" member.		
05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	9.44	0.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	8.32	0.82
05 14 13 00-0004		**Aluminum Extrusions** *(05 14 13)*		
05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.30	3.67
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	16.22	3.67
05 14 13 00-0007		**Aluminum Tubing** *(05 14 13)*		
05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.67	2.24
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.09	3.61
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.66	3.94
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	16.83	4.59
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.07	4.94
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	59.49	6.25
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	48.67	5.59
05 14 13 00-0015		**Columns** *(05 14 13)*		
		Note: Baked on paint finish, load bearing.		
05 14 13 00-0016		**Round Columns** *(05 14 13 00-0015)*		
05 14 13 00-0017	LF	6" Diameter Aluminum Column	54.56	7.06
05 14 13 00-0018	LF	8" Diameter Aluminum Column	72.55	10.12
05 14 13 00-0019	LF	10" Diameter Aluminum Column	88.77	11.39
05 14 13 00-0020	LF	12" Diameter Aluminum Column	134.53	11.91
05 14 13 00-0021	LF	15" Diameter Aluminum Column	172.05	13.81
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	106.32	13.18
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	121.92	14.23
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	154.47	15.81
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	269.77	16.87
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	415.05	18.45
05 14 13 00-0027		**Octagonal Columns** *(05 14 13 00-0015)*		
05 14 13 00-0028	LF	6" Diameter Aluminum Column	61.12	7.06
05 14 13 00-0029	LF	8" Diameter Aluminum Column	83.00	10.12
05 14 13 00-0030	LF	10" Diameter Aluminum Column	101.97	11.39
05 14 13 00-0031	LF	12" Diameter Aluminum Column	156.69	11.91
05 14 13 00-0032	LF	15" Diameter Aluminum Column	200.95	13.81
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	122.31	13.18
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	140.62	14.23
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	179.04	15.81
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	316.98	16.87
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	490.68	18.45
05 14 13 00-0038		**Fluted Columns** *(05 14 13 00-0015)*		
05 14 13 00-0039	LF	6" Diameter Aluminum Column	68.19	7.06
05 14 13 00-0040	LF	8" Diameter Aluminum Column	92.41	10.12
05 14 13 00-0041	LF	10" Diameter Aluminum Column	113.84	11.39
05 14 13 00-0042	LF	12" Diameter Aluminum Column	176.63	11.91
05 14 13 00-0043	LF	15" Diameter Aluminum Column	226.96	13.81
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	136.70	13.18
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	157.44	14.23
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	201.15	15.81
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	359.47	16.87
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	558.75	18.45
05 14 13 00-0049		**Square Columns** *(05 14 13 00-0015)*		
05 14 13 00-0050	LF	6" Aluminum Column	73.02	7.06
05 14 13 00-0051	LF	8" Aluminum Column	98.84	10.12
05 14 13 00-0052	LF	10" Aluminum Column	121.97	11.39
05 14 13 00-0053	LF	12" Aluminum Column	190.27	11.91
05 14 13 00-0054	LF	15" Aluminum Column	244.75	13.81
05 14 13 00-0055	EA	6" Aluminum Base And Cap	146.55	13.18
05 14 13 00-0056	EA	8" Aluminum Base And Cap	168.94	14.23
05 14 13 00-0057	EA	10" Aluminum Base And Cap	216.27	15.81
05 14 13 00-0058	EA	12" Aluminum Base And Cap	388.53	16.87
05 14 13 00-0059	EA	15" Aluminum Base And Cap	605.30	18.45
05 14 13 00-0060		**Ornamental Or Decorative Cap And Bases** *(05 14 13 00-0015)*		
05 14 13 00-0061	EA	8" Corinthian Capital And Base	845.74	15.81
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,245.89	18.45
05 14 13 00-0063	EA	12" Corinthian Capital And Base	1,973.09	21.09
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	417.81	15.81
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	560.51	18.45
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,131.84	21.09

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		1.67	0.11
		For >500, Deduct		*-0.30*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		2.24	0.11
		For >500, Deduct		*-0.39*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		2.65	0.22
		For >500, Deduct		*-0.45*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		3.18	0.22
		For >500, Deduct		*-0.52*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		3.68	0.32
		For >500, Deduct		*-0.59*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		4.51	0.43
		For >500, Deduct		*-0.71*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		5.37	0.43
		For >500, Deduct		*-0.84*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		7.44	0.76
		For >500, Deduct		*-1.15*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		10.00	0.87
		For >500, Deduct		*-1.54*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		12.44	1.19
		For >500, Deduct		*-1.87*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		15.38	1.52
		For >500, Deduct		*-2.31*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		18.75	1.84
		For >500, Deduct		*-2.82*	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		1.96	0.11
		For >500, Deduct		*-0.35*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		2.54	0.11
		For >500, Deduct		*-0.45*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		3.14	0.22
		For >500, Deduct		*-0.54*	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		3.56	0.22
		For >500, Deduct		*-0.60*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		4.23	0.32
		For >500, Deduct		*-0.70*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		4.86	0.43
		For >500, Deduct		*-0.78*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		5.67	0.43
		For >500, Deduct		*-0.90*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		8.33	0.76
		For >500, Deduct		*-1.32*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		10.65	0.87
		For >500, Deduct		*-1.67*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		13.09	1.19
		For >500, Deduct		*-2.02*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		16.76	1.52
		For >500, Deduct		*-2.58*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope		20.40	1.84
		For >500, Deduct		*-3.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0027		6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.55	0.11
		For >500, Deduct	*-0.27*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.10	0.11
		For >500, Deduct	*-0.36*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.49	0.22
		For >500, Deduct	*-0.41*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.91	0.22
		For >500, Deduct	*-0.47*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.50	0.32
		For >500, Deduct	*-0.55*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.43	0.43
		For >500, Deduct	*-0.69*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.15	0.43
		For >500, Deduct	*-0.79*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	7.24	0.76
		For >500, Deduct	*-1.11*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	8.84	0.87
		For >500, Deduct	*-1.30*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	11.22	1.19
		For >500, Deduct	*-1.63*	
05 15 16 00-0038		6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.53	0.11
		For >500, Deduct	*-0.27*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.02	0.11
		For >500, Deduct	*-0.35*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.49	0.22
		For >500, Deduct	*-0.41*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.91	0.22
		For >500, Deduct	*-0.47*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.66	0.32
		For >500, Deduct	*-0.58*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.35	0.43
		For >500, Deduct	*-0.68*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.45	0.43
		For >500, Deduct	*-0.85*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.60	0.76
		For >500, Deduct	*-1.18*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.93	0.87
		For >500, Deduct	*-1.52*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.22	1.19
		For >500, Deduct	*-1.84*	
05 15 16 00-0049		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.83	0.22
		For >500, Deduct	*-0.48*	
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.30	0.22
		For >500, Deduct	*-0.55*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.86	0.32
		For >500, Deduct	*-0.62*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.20	0.43
		For >500, Deduct	*-0.85*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.71	0.43
		For >500, Deduct	*-0.91*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.78	0.76
		For >500, Deduct	*-1.21*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.96	0.87
		For >500, Deduct	*-1.53*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.13	1.19
		For >500, Deduct	*-2.01*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	15.89	1.52
		For >500, Deduct	*-2.42*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	19.18	1.84
		For >500, Deduct	*-2.91*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0061		LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.90	0.22
			For >500, Deduct	*-0.50*	
05 15 16 00-0062		LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.50	0.22
			For >500, Deduct	*-0.59*	
05 15 16 00-0063		LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.13	0.32
			For >500, Deduct	*-0.68*	
05 15 16 00-0064		LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.79	0.43
			For >500, Deduct	*-0.97*	
05 15 16 00-0065		LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.81	0.43
			For >500, Deduct	*-0.93*	
05 15 16 00-0066		LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.97	0.76
			For >500, Deduct	*-1.25*	
05 15 16 00-0067		LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.56	0.87
			For >500, Deduct	*-1.65*	
05 15 16 00-0068		LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.33	1.19
			For >500, Deduct	*-2.05*	
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope *(05 15 16)*		
05 15 16 00-0070		LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.03	0.11
			For >500, Deduct	*-0.57*	
05 15 16 00-0071		LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.26	0.11
			For >500, Deduct	*-0.60*	
05 15 16 00-0072		LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.83	0.22
			For >500, Deduct	*-0.69*	
05 15 16 00-0073		LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.13	0.22
			For >500, Deduct	*-0.91*	
05 15 16 00-0074		LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.86	0.22
			For >500, Deduct	*-1.06*	
05 15 16 00-0075		LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.74	0.43
			For >500, Deduct	*-1.16*	
05 15 16 00-0076		LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	8.01	0.43
			For >500, Deduct	*-1.37*	
05 15 16 00-0077		LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	11.01	0.65
			For >500, Deduct	*-1.87*	
05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable *(05 15 16)*		
05 15 16 00-0079		LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.33	0.08
			For >500, Deduct	*-0.04*	
05 15 16 00-0080		LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.38	0.09
			For >500, Deduct	*-0.05*	
05 15 16 00-0081		LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.43	0.10
			For >500, Deduct	*-0.05*	
05 15 16 00-0082		LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.49	0.11
			For >500, Deduct	*-0.06*	
05 15 16 00-0083		LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.60	0.11
			For >500, Deduct	*-0.08*	
05 15 16 00-0084			7x19, Galvanized Finish, Aircraft Cable *(05 15 16)*		
05 15 16 00-0085		LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.60	0.10
			For >500, Deduct	*-0.09*	
05 15 16 00-0086		LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.64	0.11
			For >500, Deduct	*-0.09*	
05 15 16 00-0087		LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.74	0.11
			For >500, Deduct	*-0.11*	
05 15 16 00-0088		LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.88	0.11
			For >500, Deduct	*-0.14*	
05 15 16 00-0089		LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.34	0.11
			For >500, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.78	0.11
		For >500, Deduct	*-0.27*	
05 15 16 00-0091		**Heavy Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.23	3.25
05 15 16 00-0093	EA	5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	16.32	3.25
05 15 16 00-0094	EA	3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	18.65	3.25
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.05	3.25
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.08	3.25
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.08	3.25
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	27.24	3.25
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	50.19	4.99
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	59.12	6.06
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	105.65	9.96
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	152.01	13.54
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	152.01	13.54
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	16.63	3.25
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	16.99	3.25
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	19.44	3.25
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	19.83	3.25
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	20.38	3.25
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	25.65	3.25
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	26.05	3.25
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	29.87	3.25
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	30.42	3.25
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	41.65	4.33
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	62.27	6.50
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	68.52	6.50
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	80.46	8.66
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	116.85	13.01
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	103.31	3.25
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	165.62	3.25
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	169.91	4.33
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	201.52	5.42
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	201.52	5.42
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	292.11	11.92
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	292.11	11.92
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	368.57	22.75
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	495.11	32.50
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	693.98	49.84
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	902.62	78.01
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	1,050.79	89.93
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	82.74	3.25
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	112.67	3.25
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	112.67	3.25
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	140.11	4.33
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	141.31	4.33
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	192.49	7.59
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	197.65	8.66
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	242.80	14.08
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	312.10	20.58
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	446.53	28.17
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	551.13	39.01
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	741.78	60.67
05 15 16 00-0145		**Galvanized Steel, Open Spelter Sockets** *(05 15 16)*		
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	174.26	3.25
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	178.22	3.25
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	178.22	3.25
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	197.48	6.50
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	197.48	6.50
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	257.20	10.83
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	257.20	10.83
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	323.81	16.25
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	482.67	27.09
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	883.16	42.25
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	1,024.92	68.26
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,386.24	89.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets *(05 15 16)*

05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	145.79	3.25
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	146.34	3.25
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	146.34	3.25
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	162.72	5.42
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	162.72	5.42
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	225.99	9.75
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	225.99	9.75
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	275.18	14.08
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	401.18	21.67
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	605.04	33.59
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	791.48	45.51
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	994.83	60.67

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles *(05 15 16)*

05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	99.65	3.25
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-13.32*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	107.04	3.25
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-14.43*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	120.73	3.25
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.49*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	132.53	4.33
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-17.15*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	174.72	5.42
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.82*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	198.38	6.50
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.84*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	200.53	8.66
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.08*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	249.19	8.66
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-31.96*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	283.43	9.75
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.71*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	270.15	11.92
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-33.61*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	306.57	14.08
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-37.43*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	380.44	15.17
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-47.78*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	457.64	18.42
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-57.44*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	516.97	26.00
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-62.07*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	628.08	30.34
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-76.16*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	537.91	26.00
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-65.21*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	611.73	33.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-71.45*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	842.91	42.25
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-101.43*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	940.30	49.84
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-111.50*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,043.14	60.67
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-120.35*	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,263.76	68.26
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-148.93*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,645.92	78.01
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-200.45*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,621.43	83.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-193.21*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,769.75	108.34
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-200.45*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,238.62	140.85
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-404.53*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	5,269.66	270.87
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-627.93*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.50
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.60
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.38
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	26.85
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	26.72
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	37.17
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	45.24
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	61.85
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	84.11
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	123.54
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	147.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	270.76	
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	310.83	
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	385.18	

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.30	
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.44	
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	32.73	
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.12	
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.44	
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	45.59	
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.07	
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	41.75	
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.17	
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.39	
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.51	
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.11	
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.83	
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	48.50	
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.15	
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	59.82	
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	52.25	
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	47.35	
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	56.23	
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	56.97	
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	50.38	
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	64.14	
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	73.92	
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	85.70	
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	70.21	
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	70.37	
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	71.78	
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	79.61	
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.06	
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	101.14	
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	134.74	

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.26	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.34	0.09
		For >500, Deduct	*-0.04*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.44	0.10
		For >500, Deduct	*-0.06*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.56	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.71	0.11
		For >500, Deduct	*-0.10*	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.50	0.10
		For >500, Deduct	*-0.07*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.57	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.67	0.11
		For >500, Deduct	*-0.09*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.84	0.11
		For >500, Deduct	*-0.13*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.28	0.11
		For >500, Deduct	*-0.20*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.91	0.22
		For >500, Deduct	*-0.30*	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.26	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.34	0.09
		For >500, Deduct	*-0.04*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.44	0.10
		For >500, Deduct	*-0.06*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.56	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.71	0.11
		For >500, Deduct	*-0.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.50	0.10
		For >500, Deduct	*-0.07*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.57	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.67	0.11
		For >500, Deduct	*-0.09*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.84	0.11
		For >500, Deduct	*-0.13*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.28	0.11
		For >500, Deduct	*-0.20*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.91	0.11
		For >500, Deduct	*-0.30*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001 Open Web Joists *(05 21 19)*

05 21 19 00-0002	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,788.83	194.78
		For Welded Cross Bridging, Add	*243.48*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*237.27*	
05 21 19 00-0003	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,557.41	182.60
		For Welded Cross Bridging, Add	*216.42*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*220.32*	
05 21 19 00-0004	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,076.02	182.60
		For Welded Cross Bridging, Add	*224.75*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*279.22*	
05 21 19 00-0005	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,489.68	182.60
		For Welded Cross Bridging, Add	*224.75*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*328.86*	
05 21 19 00-0006	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,086.74	182.60
		For Welded Cross Bridging, Add	*243.48*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*273.02*	
05 21 19 00-0007	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,851.64	182.60
		For Welded Cross Bridging, Add	*224.75*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*372.30*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.18	0.49
		For Site Installed Insulation Between Ribs, Add	*0.84*	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*0.87*	
		For >100 To 500, Add	*0.50*	
		For >500 To 1,500, Add	*0.15*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.62	0.57
		For Site Installed Insulation Between Ribs, Add	*0.96*	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.58*	
		For >500 To 1,500, Add	*0.18*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.55	0.69
		For Site Installed Insulation Between Ribs, Add	*1.20*	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*1.23*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.50	0.55
		For Site Installed Insulation Between Ribs, Add	*0.93*	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.56*	
		For >500 To 1,500, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.02	0.63
		For Site Installed Insulation Between Ribs, Add	*1.06*	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.11*	
		For >100 To 500, Add	*0.64*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.05	0.77
		For Site Installed Insulation Between Ribs, Add	*1.33*	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*1.38*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.24*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.95	0.58
		For Site Installed Insulation Between Ribs, Add	*1.04*	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.61*	
		For >500 To 1,500, Add	*0.18*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.59	0.67
		For Site Installed Insulation Between Ribs, Add	*1.21*	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*1.21*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.21*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.66	0.75
		For Site Installed Insulation Between Ribs, Add	*1.48*	
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.85*	
		For >500 To 1,500, Add	*0.24*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.12	0.81
		For Site Installed Insulation Between Ribs, Add	*1.86*	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Up To 100, Add	*1.63*	
		For >100 To 500, Add	*1.02*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.42	0.61
		For Site Installed Insulation Between Ribs, Add	*1.16*	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*1.13*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.16	0.69
		For Site Installed Insulation Between Ribs, Add	*1.36*	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*1.29*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.43	0.85
		For Site Installed Insulation Between Ribs, Add	*1.69*	
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.96*	
		For >500 To 1,500, Add	*0.27*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.11	1.04
		For Site Installed Insulation Between Ribs, Add	*2.12*	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*1.20*	
		For >500 To 1,500, Add	*0.33*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.75	
		For Site Installed Insulation Between Ribs, Add	*3.01*	
		For Painted, Deduct	*-0.54*	
		For Perforated Or Slotted, Add	*0.54*	
		For Up To 100, Add	*2.02*	
		For >100 To 500, Add	*1.46*	
		For >500 To 1,500, Add	*0.24*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.81	0.85
		For Site Installed Insulation Between Ribs, Add	*3.78*	
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Up To 100, Add	*2.44*	
		For >100 To 500, Add	*1.80*	
		For >500 To 1,500, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.75	0.85
		For Site Installed Insulation Between Ribs, Add	*3.52*	
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Up To 100, Add	*2.34*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.27*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.41	1.04
		For Site Installed Insulation Between Ribs, Add	*3.70*	
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Up To 100, Add	*2.61*	
		For >100 To 500, Add	*1.83*	
		For >500 To 1,500, Add	*0.33*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.00	1.26
		For Site Installed Insulation Between Ribs, Add	*4.62*	
		For Painted, Deduct	*-0.82*	
		For Perforated Or Slotted, Add	*0.82*	
		For Up To 100, Add	*3.22*	
		For >100 To 500, Add	*2.27*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	15.93	1.14
		For Site Installed Insulation Between Ribs, Add	*4.09*	
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Up To 100, Add	*2.87*	
		For >100 To 500, Add	*2.02*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	19.85	1.38
		For Site Installed Insulation Between Ribs, Add	*5.09*	
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Up To 100, Add	*3.54*	
		For >100 To 500, Add	*2.50*	
		For >500 To 1,500, Add	*0.43*	
05 31 13 00-0023		**Cellular Galvanized Steel Deck** *(05 31 13)*		
		Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.53	0.87
		For Site Installed Insulation Between Ribs, Add	*2.71*	
		For Painted, Deduct	*-0.47*	
		For Perforated Or Slotted, Add	*0.47*	
		For Insulated Cells, Add	*2.12*	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.38*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.43	1.16
		For Site Installed Insulation Between Ribs, Add	*2.97*	
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.25*	
		For Up To 100, Add	*2.45*	
		For >100 To 500, Add	*1.58*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	12.93	0.92
		For Site Installed Insulation Between Ribs, Add	*3.32*	
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.65*	
		For Up To 100, Add	*2.33*	
		For >100 To 500, Add	*1.64*	
		For >500 To 1,500, Add	*0.29*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.98	1.22
		For Site Installed Insulation Between Ribs, Add	*3.61*	
		For Painted, Deduct	*-0.62*	
		For Perforated Or Slotted, Add	*0.62*	
		For Insulated Cells, Add	*2.80*	
		For Up To 100, Add	*2.78*	
		For >100 To 500, Add	*1.86*	
		For >500 To 1,500, Add	*0.38*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.79	1.12
		For Site Installed Insulation Between Ribs, Add	*3.80*	
		For Painted, Deduct	*-0.67*	
		For Perforated Or Slotted, Add	*0.67*	
		For Insulated Cells, Add	*3.02*	
		For Up To 100, Add	*2.71*	
		For >100 To 500, Add	*1.89*	
		For >500 To 1,500, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	17.69	1.28
		For Site Installed Insulation Between Ribs, Add	*4.54*	
		For Painted, Deduct	*-0.80*	
		For Perforated Or Slotted, Add	*0.80*	
		For Insulated Cells, Add	*3.62*	
		For Up To 100, Add	*3.22*	
		For >100 To 500, Add	*2.25*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	19.84	1.38
		For Site Installed Insulation Between Ribs, Add	*5.09*	
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.07*	
		For Up To 100, Add	*3.54*	
		For >100 To 500, Add	*2.50*	
		For >500 To 1,500, Add	*0.43*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.45	1.48
		For Site Installed Insulation Between Ribs, Add	*5.50*	
		For Painted, Deduct	*-0.98*	
		For Perforated Or Slotted, Add	*0.98*	
		For Insulated Cells, Add	*4.41*	
		For Up To 100, Add	*3.82*	
		For >100 To 500, Add	*2.70*	
		For >500 To 1,500, Add	*0.47*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	22.98	1.12
		For Site Installed Insulation Between Ribs, Add	*5.85*	
		For Painted, Deduct	*-1.08*	
		For Perforated Or Slotted, Add	*1.08*	
		For Insulated Cells, Add	*4.86*	
		For Up To 100, Add	*3.56*	
		For >100 To 500, Add	*2.72*	
		For >500 To 1,500, Add	*0.35*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.43	1.30
		For Site Installed Insulation Between Ribs, Add	*6.23*	
		For Painted, Deduct	*-1.14*	
		For Perforated Or Slotted, Add	*1.14*	
		For Insulated Cells, Add	*5.13*	
		For Up To 100, Add	*3.91*	
		For >100 To 500, Add	*2.93*	
		For >500 To 1,500, Add	*0.41*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	25.82	1.40
		For Site Installed Insulation Between Ribs, Add	*6.59*	
		For Painted, Deduct	*-1.20*	
		For Perforated Or Slotted, Add	*1.20*	
		For Insulated Cells, Add	*5.41*	
		For Up To 100, Add	*4.17*	
		For >100 To 500, Add	*3.11*	
		For >500 To 1,500, Add	*0.44*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	27.53	1.50
		For Site Installed Insulation Between Ribs, Add	*7.02*	
		For Painted, Deduct	*-1.28*	
		For Perforated Or Slotted, Add	*1.28*	
		For Insulated Cells, Add	*5.77*	
		For Up To 100, Add	*4.45*	
		For >100 To 500, Add	*3.32*	
		For >500 To 1,500, Add	*0.47*	

05 31 23 Steel Roof Decking *(05 31)*

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31 33)*

05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.87	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.56*	
		For >500 To 1,500, Add	*0.23*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.05	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.60*	
		For >500 To 1,500, Add	*0.24*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.37	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.64	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.51*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.32*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.45	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.22*	
		For >100 To 500, Add	*0.64*	
		For >500 To 1,500, Add	*0.24*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.63	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.26*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.82	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.39*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.28*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.07	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.55*	
		For >100 To 500, Add	*0.79*	
		For >500 To 1,500, Add	*0.32*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.29	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.62*	
		For >100 To 500, Add	*0.83*	
		For >500 To 1,500, Add	*0.33*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.68	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.88*	
		For >500 To 1,500, Add	*0.34*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	5.37	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.98*	
		For >500 To 1,500, Add	*0.37*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	5.95	
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Up To 100, Add	*2.11*	
		For >100 To 500, Add	*1.10*	
		For >500 To 1,500, Add	*0.42*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.33	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.62*	
		For >100 To 500, Add	*0.83*	
		For >500 To 1,500, Add	*0.33*	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.63	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.79*	
		For >100 To 500, Add	*0.90*	
		For >500 To 1,500, Add	*0.37*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.17	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.16*	
		For >100 To 500, Add	*1.07*	
		For >500 To 1,500, Add	*0.46*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.63	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.53*	
		For >100 To 500, Add	*1.22*	
		For >500 To 1,500, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.63	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.79*	
		For >100 To 500, Add	*0.90*	
		For >500 To 1,500, Add	*0.37*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.00	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.97*	
		For >100 To 500, Add	*0.99*	
		For >500 To 1,500, Add	*0.41*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.53	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.34*	
		For >100 To 500, Add	*1.15*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.05	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.72*	
		For >100 To 500, Add	*1.31*	
		For >500 To 1,500, Add	*0.59*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.87	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.86*	
		For >100 To 500, Add	*0.95*	
		For >500 To 1,500, Add	*0.38*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.21	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.08*	
		For >100 To 500, Add	*1.04*	
		For >500 To 1,500, Add	*0.43*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.84	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.51*	
		For >100 To 500, Add	*1.23*	
		For >500 To 1,500, Add	*0.54*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.50	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*2.95*	
		For >100 To 500, Add	*1.42*	
		For >500 To 1,500, Add	*0.64*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	7.95	
		For Site Installed Insulation Between Ribs, Add	*2.17*	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.25*	
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*1.52*	
		For >500 To 1,500, Add	*0.60*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.49	
		For Site Installed Insulation Between Ribs, Add	*2.32*	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.31*	
		For Up To 100, Add	*3.23*	
		For >100 To 500, Add	*1.64*	
		For >500 To 1,500, Add	*0.66*	
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.60	
		For Site Installed Insulation Between Ribs, Add	*2.35*	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.31*	
		For Up To 100, Add	*3.34*	
		For >100 To 500, Add	*1.69*	
		For >500 To 1,500, Add	*0.69*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.12	
		For Site Installed Insulation Between Ribs, Add	*2.51*	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.36*	
		For Up To 100, Add	*3.67*	
		For >100 To 500, Add	*1.83*	
		For >500 To 1,500, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	9.76	
		For Site Installed Insulation Between Ribs, Add	*2.69*	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.45*	
		For Up To 100, Add	*3.96*	
		For >100 To 500, Add	*1.97*	
		For >500 To 1,500, Add	*0.83*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	9.87	
		For Site Installed Insulation Between Ribs, Add	*2.72*	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.45*	
		For Up To 100, Add	*4.07*	
		For >100 To 500, Add	*2.01*	
		For >500 To 1,500, Add	*0.86*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.39	
		For Site Installed Insulation Between Ribs, Add	*2.88*	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*4.39*	
		For >100 To 500, Add	*2.16*	
		For >500 To 1,500, Add	*0.93*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.21	
		For Site Installed Insulation Between Ribs, Add	*2.24*	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.27*	
		For Up To 100, Add	*3.12*	
		For >100 To 500, Add	*1.59*	
		For >500 To 1,500, Add	*0.64*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.67	
		For Site Installed Insulation Between Ribs, Add	*2.37*	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.35*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.69*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.77	
		For Site Installed Insulation Between Ribs, Add	*2.40*	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.45*	
		For >100 To 500, Add	*1.74*	
		For >500 To 1,500, Add	*0.72*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.40	
		For Site Installed Insulation Between Ribs, Add	*2.59*	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.40*	
		For Up To 100, Add	*3.78*	
		For >100 To 500, Add	*1.89*	
		For >500 To 1,500, Add	*0.79*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	9.95	
		For Site Installed Insulation Between Ribs, Add	*2.74*	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.47*	
		For Up To 100, Add	*4.07*	
		For >100 To 500, Add	*2.02*	
		For >500 To 1,500, Add	*0.86*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.10	
		For Site Installed Insulation Between Ribs, Add	*2.79*	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.47*	
		For Up To 100, Add	*4.22*	
		For >100 To 500, Add	*2.08*	
		For >500 To 1,500, Add	*0.89*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.64	
		For Site Installed Insulation Between Ribs, Add	*2.95*	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.53*	
		For Up To 100, Add	*4.50*	
		For >100 To 500, Add	*2.21*	
		For >500 To 1,500, Add	*0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.24	
		For Site Installed Insulation Between Ribs, Add	*2.25*	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*3.12*	
		For >100 To 500, Add	*1.59*	
		For >500 To 1,500, Add	*0.64*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.72	
		For Site Installed Insulation Between Ribs, Add	*2.39*	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.40*	
		For >100 To 500, Add	*1.72*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.87	
		For Site Installed Insulation Between Ribs, Add	*2.44*	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.55*	
		For >100 To 500, Add	*1.78*	
		For >500 To 1,500, Add	*0.74*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.48	
		For Site Installed Insulation Between Ribs, Add	*2.61*	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.41*	
		For Up To 100, Add	*3.84*	
		For >100 To 500, Add	*1.91*	
		For >500 To 1,500, Add	*0.80*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.11	
		For Site Installed Insulation Between Ribs, Add	*2.79*	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.49*	
		For Up To 100, Add	*4.13*	
		For >100 To 500, Add	*2.05*	
		For >500 To 1,500, Add	*0.87*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.31	
		For Site Installed Insulation Between Ribs, Add	*2.85*	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.49*	
		For Up To 100, Add	*4.33*	
		For >100 To 500, Add	*2.13*	
		For >500 To 1,500, Add	*0.92*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.74	
		For Site Installed Insulation Between Ribs, Add	*2.98*	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.53*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*2.25*	
		For >500 To 1,500, Add	*0.98*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.14
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.04
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.19
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.59
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.76
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.50
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.55
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.92
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	7.79
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.23
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.21
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.71

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.67	0.91
		For Walls >10' High, Add	*0.93*	
		For Curved Wall, Add	*0.63*	
		For Up To 200, Add	*1.36*	
		For >200 To 500, Add	*0.68*	
		For 12" On Center, Add	*0.83*	
		For 24" On Center, Deduct	*-0.83*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.22	0.91
		For Walls >10' High, Add	*1.04*	
		For Curved Wall, Add	*0.67*	
		For Up To 200, Add	*1.49*	
		For >200 To 500, Add	*0.74*	
		For 12" On Center, Add	*0.93*	
		For 24" On Center, Deduct	*-0.93*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.44	0.91
		For Walls >10' High, Add	*1.09*	
		For Curved Wall, Add	*0.69*	
		For Up To 200, Add	*1.55*	
		For >200 To 500, Add	*0.78*	
		For 12" On Center, Add	*0.97*	
		For 24" On Center, Deduct	*-0.97*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.92	1.01
		For Walls >10' High, Add	*1.38*	
		For Curved Wall, Add	*0.72*	
		For Up To 200, Add	*1.87*	
		For >200 To 500, Add	*0.93*	
		For 12" On Center, Add	*1.26*	
		For 24" On Center, Deduct	*-1.26*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.73	1.11
		For Walls >10' High, Add	*1.55*	
		For Curved Wall, Add	*0.75*	
		For Up To 200, Add	*2.05*	
		For >200 To 500, Add	*1.02*	
		For 12" On Center, Add	*1.42*	
		For 24" On Center, Deduct	*-1.42*	
05 41 00 00-0007		16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.02	0.91
		For Walls >10' High, Add	*1.00*	
		For Curved Wall, Add	*0.67*	
		For Up To 200, Add	*1.45*	
		For >200 To 500, Add	*0.72*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.80	0.92
		For Walls >10' High, Add	*1.16*	
		For Curved Wall, Add	*0.70*	
		For Up To 200, Add	*1.63*	
		For >200 To 500, Add	*0.81*	
		For 12" On Center, Add	*1.04*	
		For 24" On Center, Deduct	*-1.04*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.12	0.92
		For Walls >10' High, Add	*1.22*	
		For Curved Wall, Add	*0.73*	
		For Up To 200, Add	*1.71*	
		For >200 To 500, Add	*0.85*	
		For 12" On Center, Add	*1.10*	
		For 24" On Center, Deduct	*-1.10*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.74	1.11
		For Walls >10' High, Add	*1.55*	
		For Curved Wall, Add	*0.76*	
		For Up To 200, Add	*2.06*	
		For >200 To 500, Add	*1.03*	
		For 12" On Center, Add	*1.42*	
		For 24" On Center, Deduct	*-1.42*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.54	1.21
		For Walls >10' High, Add	*1.71*	
		For Curved Wall, Add	*0.80*	
		For Up To 200, Add	*2.24*	
		For >200 To 500, Add	*1.12*	
		For 12" On Center, Add	*1.57*	
		For 24" On Center, Deduct	*-1.57*	
05 41 00 00-0013		14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*		
05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.90	1.26
		For Walls >10' High, Add	*1.38*	
		For Curved Wall, Add	*0.84*	
		For Up To 200, Add	*1.94*	
		For >200 To 500, Add	*0.97*	
		For 12" On Center, Add	*1.24*	
		For 24" On Center, Deduct	*-1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.09	1.28
		For Walls >10' High, Add	*1.42*	
		For Curved Wall, Add	*0.86*	
		For Up To 200, Add	*1.99*	
		For >200 To 500, Add	*0.99*	
		For 12" On Center, Add	*1.28*	
		For 24" On Center, Deduct	*-1.28*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.89	1.35
		For Walls >10' High, Add	*1.78*	
		For Curved Wall, Add	*0.90*	
		For Up To 200, Add	*2.38*	
		For >200 To 500, Add	*1.19*	
		For 12" On Center, Add	*1.63*	
		For 24" On Center, Deduct	*-1.63*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.77	1.41
		For Walls >10' High, Add	*1.95*	
		For Curved Wall, Add	*0.94*	
		For Up To 200, Add	*2.58*	
		For >200 To 500, Add	*1.29*	
		For 12" On Center, Add	*1.80*	
		For 24" On Center, Deduct	*-1.80*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	9.92	2.16
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	10.79	2.72
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	11.63	2.98
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	13.05	3.17

05 42 13 00-0006 Steel Joists, 18 Gauge *(05 42 13)*

05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	11.03	2.40
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	12.03	3.02
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	13.02	3.31
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	13.39	3.51

05 42 13 00-0011 Steel Joists, 16 Gauge *(05 42 13)*

05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	14.08	3.34
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	14.87	3.51

05 42 13 00-0014 Steel Joists, 14 Gauge *(05 42 13)*

05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	16.81	3.51
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	18.25	3.70

05 42 13 00-0017 Steel Joists, 12 Gauge *(05 42 13)*

05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	20.00	3.86
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	21.88	4.07

05 42 13 00-0020 Steel Joists, 10 Gauge *(05 42 13)*

05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	23.26	4.25
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	25.57	4.48

05 42 13 00-0023 Steel Joists, 8 Gauge *(05 42 13)*

05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	26.57	4.68
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	29.28	4.93

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Unistrut Channel *(05 43)*

Note: Excludes fasteners and accessories.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.63	2.45
		For Powder Coating, Add	*1.01*	
		For Galvanizing, Add	*1.15*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	11.96	2.45
		For Powder Coating, Add	*1.06*	
		For Galvanizing, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	12.46	2.45
		For Powder Coating, Add	*1.14*	
		For Galvanizing, Add	*1.29*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	10.98	2.45
		For Powder Coating, Add	*0.91*	
		For Galvanizing, Add	*1.04*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	9.55	2.45
		For Powder Coating, Add	*0.70*	
		For Galvanizing, Add	*0.79*	
05 43 00 00-0008		Stainless Steel Unistrut Channel *(05 43 00 00-0001)*		
05 43 00 00-0009		304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*		
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	33.82	2.45
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	40.89	2.45
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	39.13	2.45
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	50.05	2.45
05 43 00 00-0014		316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*		
05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	56.75	2.45
05 43 00 00-0016		Unistrut Closure Strips *(05 43)*		
05 43 00 00-0017	LF	Steel Raceway Closure Strip For Unistrut Channel	6.15	0.54
05 43 00 00-0018		Lock Nuts With Spring For Unistrut Channel *(05 43)*		
		Note: Includes hex bolt.		
05 43 00 00-0019		Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0018)*		
		Note: Includes hex bolt.		
05 43 00 00-0020	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	7.38	
05 43 00 00-0021	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	8.08	
05 43 00 00-0022	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	8.60	
05 43 00 00-0023	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	11.42	
05 43 00 00-0024		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0018)*		
		Note: Includes hex bolt.		
05 43 00 00-0025	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.70	
05 43 00 00-0026	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.00	
05 43 00 00-0027	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	28.89	
05 43 00 00-0028	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	50.42	
05 43 00 00-0029		Lock Nuts Without Spring For Unistrut Channel *(05 43)*		
		Note: Includes hex bolt.		
05 43 00 00-0030		Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0029)*		
		Note: Includes hex bolt.		
05 43 00 00-0031	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	7.40	
05 43 00 00-0032	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	8.18	
05 43 00 00-0033	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	8.64	
05 43 00 00-0034	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	12.23	
05 43 00 00-0035		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0029)*		
		Note: Includes hex bolt.		
05 43 00 00-0036	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.00	
05 43 00 00-0037	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.97	
05 43 00 00-0038	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	17.53	
05 43 00 00-0039	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	49.08	
05 43 00 00-0040		Beam Clamp For Unistrut Channel *(05 43)*		
05 43 00 00-0041	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	24.26	8.13
05 43 00 00-0042	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	31.71	8.13
05 43 00 00-0043	EA	Add For Unistrut Swivel Nut, P2676	4.06	
05 43 00 00-0044		Beam Clamp Clevis Hangers For Unistrut Channel *(05 43)*		
05 43 00 00-0045	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	26.84	8.13
05 43 00 00-0046	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	32.78	8.13
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut	4.06	
05 43 00 00-0048	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	179.55	10.83
05 43 00 00-0049		Pipe And Rigid Conduit Clamps *(05 43)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0050		Pipe And Rigid Conduit Clamps *(05 43 00 00-0049)* Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.09	2.37
05 43 00 00-0052	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.23	2.37
05 43 00 00-0053	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.40	2.87
05 43 00 00-0054	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.90	3.12
05 43 00 00-0055	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.18	3.49
05 43 00 00-0056	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.18	3.49
05 43 00 00-0057	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.30	5.85
05 43 00 00-0058	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.59	5.85
05 43 00 00-0059	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.85	6.48
05 43 00 00-0060	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	20.84	6.98
05 43 00 00-0061		Pipe And Rigid Conduit Clamps *(05 43 00 00-0049)* Note: Includes nylon hardware.		
05 43 00 00-0062	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.63	2.37
05 43 00 00-0063	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.05	2.37
05 43 00 00-0064	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.22	2.87
05 43 00 00-0065	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.90	3.12
05 43 00 00-0066	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.99	3.49
05 43 00 00-0067	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.99	3.49
05 43 00 00-0068	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	27.84	5.85
05 43 00 00-0069	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	28.67	5.85
05 43 00 00-0070	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	30.11	6.48
05 43 00 00-0071	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	33.65	6.98
05 43 00 00-0072		Accessories For Unistrut Channel *(05 43)*		
05 43 00 00-0073	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	58.75	8.13
05 43 00 00-0074	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	14.38	5.42
05 43 00 00-0075	EA	60 Degree Angle, 1-5/8" Channel P2087	15.08	5.42
05 43 00 00-0076		Bases For Unistrut Channel *(05 43)*		
05 43 00 00-0077		Steel Bases For Unistrut Channel *(05 43 00 00-0076)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0078	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	118.03	27.09
05 43 00 00-0079	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	119.58	27.09
05 43 00 00-0080	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	169.91	27.09
05 43 00 00-0081	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	140.61	27.09
05 43 00 00-0082		Stainless Steel Bases For Unistrut Channel *(05 43 00 00-0076)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0083	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	228.49	27.09
05 43 00 00-0084	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	416.66	27.09
05 43 00 00-0085	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	316.92	27.09
05 43 00 00-0086	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	469.13	27.09
05 43 00 00-0087	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	412.26	27.09

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001		Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)* Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,154.05	31.63
		For Closed Riser, Add	*134.15*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,310.72	36.90
		For Closed Riser, Add	*152.22*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,458.58	43.23
		For Closed Riser, Add	*169.10*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	84.13	5.27

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 19 00-0001		**Open Steel Grating Tread Metal Stair And Landing** *(05 51 19)* Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	552.18	42.18
		For Closed Riser, Add	*67.14*	
		For Galvanized Steel, Add	*116.96*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	587.11	48.49
		For Closed Riser, Add	*70.99*	
		For Galvanized Steel, Add	*122.53*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	648.53	56.93
		For Closed Riser, Add	*78.05*	
		For Galvanized Steel, Add	*133.67*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	101.29	5.27
		For Galvanized Steel, Add	*20.05*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0001		**Vertical Ladders** *(05 51 33 13)* Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	104.91	12.65
		For Galvanized Steel, Add	*16.31*	
		For Aluminum, Add	*32.61*	
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	121.44	12.65
		For Galvanized Steel, Add	*20.44*	
		For Aluminum, Add	*40.88*	
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	256.66	21.09
		For Galvanized Steel, Add	*47.37*	
		For Aluminum, Add	*94.73*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	289.71	21.09
		For Galvanized Steel, Add	*55.63*	
		For Aluminum, Add	*111.26*	
05 51 33 13-0006		**Vertical Ladders Options** *(05 51 33 13)*		
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	440.28	39.54
		For Galvanized Steel, Add	*90.30*	
		For Aluminum, Add	*180.61*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	482.74	42.18
		For Galvanized Steel, Add	*99.60*	
		For Aluminum, Add	*199.20*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	542.79	13.18
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,440.98	79.07
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,724.96	92.25
05 51 33 13-0012	EA	Safety Chain Attachment	265.44	
05 51 33 13-0013		**Welded Steel Ladder Cages** *(05 51 33 13)* Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		**Powder Coated, Welded Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,438.11	158.14
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,652.29	163.41
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,822.19	168.68
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,003.90	173.95
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,108.88	179.23
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,281.73	184.49
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,433.92	189.77
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,633.33	195.04
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,826.85	200.31
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,984.94	205.58
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,178.45	210.86
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,366.07	216.12
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,550.72	221.39
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,888.83	226.67
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,987.91	231.93
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,160.76	237.21
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,318.86	242.48
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,465.15	247.75
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,794.41	253.02
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,970.22	258.29
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	6,134.22	263.57
05 51 33 13-0036		**Welded Stainless Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	6,194.86	158.14
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	6,621.52	163.41
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	7,334.42	168.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	7,684.34	173.95
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	7,978.19	179.23
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	8,369.42	184.49
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	9,076.42	189.77
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	9,432.24	195.04
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	9,799.87	200.31
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	10,202.91	205.58
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	10,924.66	210.86
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	11,283.44	216.12
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	11,624.51	221.39
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	12,192.81	226.67
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	12,831.93	231.93
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	13,184.80	237.21
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	13,546.53	242.48
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	13,884.64	247.75
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	14,759.85	253.02
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	15,097.98	258.29
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	15,444.94	263.57

05 51 33 16 Inclined Metal Ladders *(05 51 33)*

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs *(05 51 33 16)*
Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	385.44	52.71
		For Aluminum, Add	*140.01*	

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,724.29	158.14
		For Stainless Steel, Add	*263.66*	
		For Primed Steel, Deduct	*-219.72*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,132.38	167.63
		For Stainless Steel, Add	*321.26*	
		For Primed Steel, Deduct	*-250.59*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,496.09	167.63
		For Stainless Steel, Add	*381.40*	
		For Primed Steel, Deduct	*-278.71*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	3,973.06	210.64
		For Stainless Steel, Add	*441.48*	
		For Primed Steel, Deduct	*-302.50*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,376.21	218.10
		For Stainless Steel, Add	*510.88*	
		For Primed Steel, Deduct	*-328.42*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	4,697.58	218.10
		For Stainless Steel, Add	*575.72*	
		For Primed Steel, Deduct	*-347.42*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,154.96	243.29
		For Stainless Steel, Add	*651.60*	
		For Primed Steel, Deduct	*-369.24*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,515.03	243.29
		For Stainless Steel, Add	*729.13*	
		For Primed Steel, Deduct	*-388.08*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	5,795.18	243.29
		For Stainless Steel, Add	*797.47*	
		For Primed Steel, Deduct	*-398.74*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*
Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and one rail.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	37.59	10.54
		For Schedule 80 Handrail, Add	*8.17*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.63*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.13*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.45*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.44*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.12*	
		For Aluminum, Satin Finish, Add	*6.93*	
		For Aluminum, Clear Anodized Finish, Add	*10.73*	
		For Aluminum, Dark Anodized Finish, Add	*12.38*	
		For Galvanizing, Add	*6.60*	
		For Wrought Iron, Add	*3.76*	
		For Solid Steel Rails, Add	*7.52*	
		For 304 Stainless Steel, Add	*52.80*	
		For 316 Stainless Steel, Add	*59.40*	
		For 2" Wheel Guard, Add	*1.57*	
		For 4" High Kick Plate, Add	*2.06*	
		For 6" High Kick Plate, Add	*3.30*	
		For Curved Rail, Add	*16.23*	
		For Mounting On Stairs, Add	*11.28*	
		For Mounting On Slopes, Add	*3.76*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*13.52*	
		For Nylon Coating, Add	*2.48*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.43	10.54
		For Schedule 80 Handrail, Add	*14.17*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.25*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.84*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.38*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.54*	
		For Additional Off Set Handrail, ADA Attachment, Add	*15.83*	
		For Aluminum, Satin Finish, Add	*8.12*	
		For Aluminum, Clear Anodized Finish, Add	*12.57*	
		For Aluminum, Dark Anodized Finish, Add	*14.51*	
		For Galvanizing, Add	*7.74*	
		For Wrought Iron, Add	*4.04*	
		For Solid Steel Rails, Add	*8.09*	
		For 304 Stainless Steel, Add	*61.89*	
		For 316 Stainless Steel, Add	*69.62*	
		For 2" Wheel Guard, Add	*1.84*	
		For 4" High Kick Plate, Add	*2.42*	
		For 6" High Kick Plate, Add	*3.87*	
		For Curved Rail, Add	*17.93*	
		For Mounting On Stairs, Add	*12.13*	
		For Mounting On Slopes, Add	*4.04*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*14.94*	
		For Nylon Coating, Add	*2.90*	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	43.28	10.54
		For Schedule 80 Handrail, Add	*14.17*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.88*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.55*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.32*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.65*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.53*	
		For Aluminum, Satin Finish, Add	*9.32*	
		For Aluminum, Clear Anodized Finish, Add	*14.42*	
		For Aluminum, Dark Anodized Finish, Add	*16.64*	
		For Galvanizing, Add	*8.88*	
		For Wrought Iron, Add	*4.33*	
		For Solid Steel Rails, Add	*8.66*	
		For 304 Stainless Steel, Add	*71.01*	
		For 316 Stainless Steel, Add	*79.88*	
		For 2" Wheel Guard, Add	*2.11*	
		For 4" High Kick Plate, Add	*2.77*	
		For 6" High Kick Plate, Add	*4.44*	
		For Curved Rail, Add	*19.64*	
		For Mounting On Stairs, Add	*12.98*	
		For Mounting On Slopes, Add	*4.33*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*16.37*	
		For Nylon Coating, Add	*3.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	48.21	10.54
		For Schedule 80 Handrail, Add	*16.59*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.97*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.78*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-8.95*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.58*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.49*	
		For Aluminum, Satin Finish, Add	*11.39*	
		For Aluminum, Clear Anodized Finish, Add	*17.63*	
		For Aluminum, Dark Anodized Finish, Add	*20.34*	
		For Galvanizing, Add	*10.85*	
		For Wrought Iron, Add	*4.82*	
		For Solid Steel Rails, Add	*9.64*	
		For 304 Stainless Steel, Add	*86.78*	
		For 316 Stainless Steel, Add	*97.63*	
		For 2" Wheel Guard, Add	*2.58*	
		For 4" High Kick Plate, Add	*3.39*	
		For 6" High Kick Plate, Add	*5.42*	
		For Curved Rail, Add	*22.60*	
		For Mounting On Stairs, Add	*14.46*	
		For Mounting On Slopes, Add	*4.82*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.83*	
		For Nylon Coating, Add	*4.07*	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	54.12	10.54
		For Schedule 80 Handrail, Add	*19.04*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.27*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.90*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.88*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.04*	
		For Aluminum, Satin Finish, Add	*13.87*	
		For Aluminum, Clear Anodized Finish, Add	*21.47*	
		For Aluminum, Dark Anodized Finish, Add	*24.77*	
		For Galvanizing, Add	*13.21*	
		For Wrought Iron, Add	*5.41*	
		For Solid Steel Rails, Add	*10.82*	
		For 304 Stainless Steel, Add	*105.70*	
		For 316 Stainless Steel, Add	*118.91*	
		For 2" Wheel Guard, Add	*3.14*	
		For 4" High Kick Plate, Add	*4.13*	
		For 6" High Kick Plate, Add	*6.61*	
		For Curved Rail, Add	*26.15*	
		For Mounting On Stairs, Add	*16.24*	
		For Mounting On Slopes, Add	*5.41*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*21.79*	
		For Nylon Coating, Add	*4.95*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	49.96	10.54
		For Schedule 80 Handrail, Add	*8.17*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.35*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.22*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.53*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.26*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.12*	
		For Aluminum, Satin Finish, Add	*12.13*	
		For Aluminum, Clear Anodized Finish, Add	*18.77*	
		For Aluminum, Dark Anodized Finish, Add	*21.65*	
		For Galvanizing, Add	*11.55*	
		For Wrought Iron, Add	*5.00*	
		For Solid Steel Rails, Add	*9.99*	
		For 304 Stainless Steel, Add	*92.38*	
		For 316 Stainless Steel, Add	*103.93*	
		For 2" Wheel Guard, Add	*2.74*	
		For 4" High Kick Plate, Add	*3.61*	
		For 6" High Kick Plate, Add	*5.77*	
		For Curved Rail, Add	*23.65*	
		For Mounting On Stairs, Add	*14.99*	
		For Mounting On Slopes, Add	*5.00*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*19.71*	
		For Nylon Coating, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	54.94	10.54
		For Schedule 80 Handrail, Add	*14.17*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.45*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.46*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.17*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.20*	
		For Additional Off Set Handrail, ADA Attachment, Add	*15.83*	
		For Aluminum, Satin Finish, Add	*14.22*	
		For Aluminum, Clear Anodized Finish, Add	*22.00*	
		For Aluminum, Dark Anodized Finish, Add	*25.39*	
		For Galvanizing, Add	*13.54*	
		For Wrought Iron, Add	*5.49*	
		For Solid Steel Rails, Add	*10.99*	
		For 304 Stainless Steel, Add	*108.32*	
		For 316 Stainless Steel, Add	*121.86*	
		For 2" Wheel Guard, Add	*3.22*	
		For 4" High Kick Plate, Add	*4.23*	
		For 6" High Kick Plate, Add	*6.77*	
		For Curved Rail, Add	*26.64*	
		For Mounting On Stairs, Add	*16.48*	
		For Mounting On Slopes, Add	*5.49*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*22.20*	
		For Nylon Coating, Add	*5.08*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	59.91	10.54
		For Schedule 80 Handrail, Add	*14.17*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.54*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.71*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.81*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.14*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.53*	
		For Aluminum, Satin Finish, Add	*16.30*	
		For Aluminum, Clear Anodized Finish, Add	*25.23*	
		For Aluminum, Dark Anodized Finish, Add	*29.12*	
		For Galvanizing, Add	*15.53*	
		For Wrought Iron, Add	*5.99*	
		For Solid Steel Rails, Add	*11.98*	
		For 304 Stainless Steel, Add	*124.22*	
		For 316 Stainless Steel, Add	*139.75*	
		For 2" Wheel Guard, Add	*3.69*	
		For 4" High Kick Plate, Add	*4.85*	
		For 6" High Kick Plate, Add	*7.76*	
		For Curved Rail, Add	*29.62*	
		For Mounting On Stairs, Add	*17.97*	
		For Mounting On Slopes, Add	*5.99*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*24.68*	
		For Nylon Coating, Add	*5.82*	
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	68.53	10.54
		For Schedule 80 Handrail, Add	*16.59*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.44*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.86*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.66*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.50*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.49*	
		For Aluminum, Satin Finish, Add	*19.92*	
		For Aluminum, Clear Anodized Finish, Add	*30.84*	
		For Aluminum, Dark Anodized Finish, Add	*35.58*	
		For Galvanizing, Add	*18.98*	
		For Wrought Iron, Add	*6.85*	
		For Solid Steel Rails, Add	*13.71*	
		For 304 Stainless Steel, Add	*151.81*	
		For 316 Stainless Steel, Add	*170.78*	
		For 2" Wheel Guard, Add	*4.51*	
		For 4" High Kick Plate, Add	*5.93*	
		For 6" High Kick Plate, Add	*9.49*	
		For Curved Rail, Add	*34.79*	
		For Mounting On Stairs, Add	*20.56*	
		For Mounting On Slopes, Add	*6.85*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*28.99*	
		For Nylon Coating, Add	*7.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	78.87	10.54
		For Schedule 80 Handrail, Add	*19.04*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.71*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.45*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.07*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.04*	
		For Aluminum, Satin Finish, Add	*24.27*	
		For Aluminum, Clear Anodized Finish, Add	*37.56*	
		For Aluminum, Dark Anodized Finish, Add	*43.34*	
		For Galvanizing, Add	*23.11*	
		For Wrought Iron, Add	*7.89*	
		For Solid Steel Rails, Add	*15.77*	
		For 304 Stainless Steel, Add	*184.90*	
		For 316 Stainless Steel, Add	*208.01*	
		For 2" Wheel Guard, Add	*5.49*	
		For 4" High Kick Plate, Add	*7.22*	
		For 6" High Kick Plate, Add	*11.56*	
		For Curved Rail, Add	*41.00*	
		For Mounting On Stairs, Add	*23.66*	
		For Mounting On Slopes, Add	*7.89*	
		For Post Base Flange With Screws, Add Per Post	*19.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.66*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*34.16*	
		For Nylon Coating, Add	*8.67*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	78.35	12.65
		For Schedule 80 Handrail, Add	*11.44*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.67*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.51*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.69*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.96*	
		For Aluminum, Satin Finish, Add	*22.28*	
		For Aluminum, Clear Anodized Finish, Add	*34.48*	
		For Aluminum, Dark Anodized Finish, Add	*39.79*	
		For Galvanizing, Add	*21.22*	
		For Wrought Iron, Add	*7.84*	
		For Solid Steel Rails, Add	*15.67*	
		For 304 Stainless Steel, Add	*169.76*	
		For 316 Stainless Steel, Add	*190.98*	
		For 2" Wheel Guard, Add	*5.04*	
		For 4" High Kick Plate, Add	*6.63*	
		For 6" High Kick Plate, Add	*10.61*	
		For Curved Rail, Add	*39.42*	
		For Mounting On Stairs, Add	*23.51*	
		For Mounting On Slopes, Add	*7.84*	
		For Post Base Flange With Screws, Add Per Post	*20.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.30*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*32.85*	
		For Nylon Coating, Add	*7.96*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	87.48	12.65
		For Schedule 80 Handrail, Add	*19.44*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.68*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.55*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.52*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.25*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.67*	
		For Aluminum, Satin Finish, Add	*26.12*	
		For Aluminum, Clear Anodized Finish, Add	*40.42*	
		For Aluminum, Dark Anodized Finish, Add	*46.64*	
		For Galvanizing, Add	*24.87*	
		For Wrought Iron, Add	*8.75*	
		For Solid Steel Rails, Add	*17.50*	
		For 304 Stainless Steel, Add	*198.98*	
		For 316 Stainless Steel, Add	*223.85*	
		For 2" Wheel Guard, Add	*5.91*	
		For 4" High Kick Plate, Add	*7.77*	
		For 6" High Kick Plate, Add	*12.44*	
		For Curved Rail, Add	*44.90*	
		For Mounting On Stairs, Add	*26.24*	
		For Mounting On Slopes, Add	*8.75*	
		For Post Base Flange With Screws, Add Per Post	*20.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.30*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*37.42*	
		For Nylon Coating, Add	*9.33*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	96.61	12.65
		For Schedule 80 Handrail, Add	*19.44*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.69*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.83*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.53*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-27.81*	
		For Additional Off Set Handrail, ADA Attachment, Add	*18.37*	
		For Aluminum, Satin Finish, Add	*29.95*	
		For Aluminum, Clear Anodized Finish, Add	*46.35*	
		For Aluminum, Dark Anodized Finish, Add	*53.48*	
		For Galvanizing, Add	*28.52*	
		For Wrought Iron, Add	*9.66*	
		For Solid Steel Rails, Add	*19.32*	
		For 304 Stainless Steel, Add	*228.19*	
		For 316 Stainless Steel, Add	*256.72*	
		For 2" Wheel Guard, Add	*6.77*	
		For 4" High Kick Plate, Add	*8.91*	
		For 6" High Kick Plate, Add	*14.26*	
		For Curved Rail, Add	*50.38*	
		For Mounting On Stairs, Add	*28.98*	
		For Mounting On Slopes, Add	*9.66*	
		For Post Base Flange With Screws, Add Per Post	*20.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.30*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*41.98*	
		For Nylon Coating, Add	*10.70*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	112.49	12.65
		For Schedule 80 Handrail, Add	*22.67*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.18*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-21.80*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-28.77*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.00*	
		For Additional Off Set Handrail, ADA Attachment, Add	*21.33*	
		For Aluminum, Satin Finish, Add	*36.62*	
		For Aluminum, Clear Anodized Finish, Add	*56.67*	
		For Aluminum, Dark Anodized Finish, Add	*65.39*	
		For Galvanizing, Add	*34.88*	
		For Wrought Iron, Add	*11.25*	
		For Solid Steel Rails, Add	*22.50*	
		For 304 Stainless Steel, Add	*279.01*	
		For 316 Stainless Steel, Add	*313.88*	
		For 2" Wheel Guard, Add	*8.28*	
		For 4" High Kick Plate, Add	*10.90*	
		For 6" High Kick Plate, Add	*17.44*	
		For Curved Rail, Add	*59.90*	
		For Mounting On Stairs, Add	*33.75*	
		For Mounting On Slopes, Add	*11.25*	
		For Post Base Flange With Screws, Add Per Post	*20.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.30*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*49.92*	
		For Nylon Coating, Add	*13.08*	
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	131.39	12.65
		For Schedule 80 Handrail, Add	*25.94*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.34*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.52*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.01*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.38*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.88*	
		For Aluminum, Satin Finish, Add	*44.56*	
		For Aluminum, Clear Anodized Finish, Add	*68.96*	
		For Aluminum, Dark Anodized Finish, Add	*79.57*	
		For Galvanizing, Add	*42.44*	
		For Wrought Iron, Add	*13.14*	
		For Solid Steel Rails, Add	*26.28*	
		For 304 Stainless Steel, Add	*339.49*	
		For 316 Stainless Steel, Add	*381.92*	
		For 2" Wheel Guard, Add	*10.08*	
		For 4" High Kick Plate, Add	*13.26*	
		For 6" High Kick Plate, Add	*21.22*	
		For Curved Rail, Add	*71.24*	
		For Mounting On Stairs, Add	*39.42*	
		For Mounting On Slopes, Add	*13.14*	
		For Post Base Flange With Screws, Add Per Post	*20.03*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.30*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*59.37*	
		For Nylon Coating, Add	*15.91*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and four rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	94.62	14.76
		For Schedule 80 Handrail, Add	*14.97*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.32*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.28*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.48*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.39*	
		For Additional Off Set Handrail, ADA Attachment, Add	*15.80*	
		For Aluminum, Satin Finish, Add	*27.34*	
		For Aluminum, Clear Anodized Finish, Add	*42.32*	
		For Aluminum, Dark Anodized Finish, Add	*48.83*	
		For Galvanizing, Add	*26.04*	
		For Wrought Iron, Add	*9.46*	
		For Solid Steel Rails, Add	*18.92*	
		For 304 Stainless Steel, Add	*208.32*	
		For 316 Stainless Steel, Add	*234.36*	
		For 2" Wheel Guard, Add	*6.18*	
		For 4" High Kick Plate, Add	*8.14*	
		For 6" High Kick Plate, Add	*13.02*	
		For Curved Rail, Add	*47.92*	
		For Mounting On Stairs, Add	*28.39*	
		For Mounting On Slopes, Add	*9.46*	
		For Post Base Flange With Screws, Add Per Post	*20.45*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.93*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*39.93*	
		For Nylon Coating, Add	*9.77*	
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	102.73	14.76
		For Schedule 80 Handrail, Add	*24.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.11*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.30*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.16*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.55*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.51*	
		For Aluminum, Satin Finish, Add	*30.75*	
		For Aluminum, Clear Anodized Finish, Add	*47.59*	
		For Aluminum, Dark Anodized Finish, Add	*54.91*	
		For Galvanizing, Add	*29.28*	
		For Wrought Iron, Add	*10.27*	
		For Solid Steel Rails, Add	*20.55*	
		For 304 Stainless Steel, Add	*234.27*	
		For 316 Stainless Steel, Add	*263.56*	
		For 2" Wheel Guard, Add	*6.95*	
		For 4" High Kick Plate, Add	*9.15*	
		For 6" High Kick Plate, Add	*14.64*	
		For Curved Rail, Add	*52.78*	
		For Mounting On Stairs, Add	*30.82*	
		For Mounting On Slopes, Add	*10.27*	
		For Post Base Flange With Screws, Add Per Post	*20.45*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.93*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*43.99*	
		For Nylon Coating, Add	*10.98*	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	110.84	14.76
		For Schedule 80 Handrail, Add	*24.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-17.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.33*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-26.84*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-31.71*	
		For Additional Off Set Handrail, ADA Attachment, Add	*19.21*	
		For Aluminum, Satin Finish, Add	*34.15*	
		For Aluminum, Clear Anodized Finish, Add	*52.86*	
		For Aluminum, Dark Anodized Finish, Add	*60.99*	
		For Galvanizing, Add	*32.53*	
		For Wrought Iron, Add	*11.08*	
		For Solid Steel Rails, Add	*22.17*	
		For 304 Stainless Steel, Add	*260.22*	
		For 316 Stainless Steel, Add	*292.75*	
		For 2" Wheel Guard, Add	*7.73*	
		For 4" High Kick Plate, Add	*10.17*	
		For 6" High Kick Plate, Add	*16.26*	
		For Curved Rail, Add	*57.65*	
		For Mounting On Stairs, Add	*33.25*	
		For Mounting On Slopes, Add	*11.08*	
		For Post Base Flange With Screws, Add Per Post	*20.45*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.93*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*48.04*	
		For Nylon Coating, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	128.91	14.76
		For Schedule 80 Handrail, Add	*29.00*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-21.87*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-24.85*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-32.80*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-38.76*	
		For Additional Off Set Handrail, ADA Attachment, Add	*22.17*	
		For Aluminum, Satin Finish, Add	*41.74*	
		For Aluminum, Clear Anodized Finish, Add	*64.60*	
		For Aluminum, Dark Anodized Finish, Add	*74.54*	
		For Galvanizing, Add	*39.76*	
		For Wrought Iron, Add	*12.89*	
		For Solid Steel Rails, Add	*25.78*	
		For 304 Stainless Steel, Add	*318.05*	
		For 316 Stainless Steel, Add	*357.80*	
		For 2" Wheel Guard, Add	*9.44*	
		For 4" High Kick Plate, Add	*12.42*	
		For 6" High Kick Plate, Add	*19.88*	
		For Curved Rail, Add	*68.49*	
		For Mounting On Stairs, Add	*38.67*	
		For Mounting On Slopes, Add	*12.89*	
		For Post Base Flange With Screws, Add Per Post	*20.45*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.93*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*57.08*	
		For Nylon Coating, Add	*14.91*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	150.08	14.76
		For Schedule 80 Handrail, Add	*33.09*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.52*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.14*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-39.78*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.02*	
		For Additional Off Set Handrail, ADA Attachment, Add	*25.72*	
		For Aluminum, Satin Finish, Add	*50.64*	
		For Aluminum, Clear Anodized Finish, Add	*78.36*	
		For Aluminum, Dark Anodized Finish, Add	*90.42*	
		For Galvanizing, Add	*48.22*	
		For Wrought Iron, Add	*15.01*	
		For Solid Steel Rails, Add	*30.02*	
		For 304 Stainless Steel, Add	*385.79*	
		For 316 Stainless Steel, Add	*434.02*	
		For 2" Wheel Guard, Add	*11.45*	
		For 4" High Kick Plate, Add	*15.07*	
		For 6" High Kick Plate, Add	*24.11*	
		For Curved Rail, Add	*81.19*	
		For Mounting On Stairs, Add	*45.02*	
		For Mounting On Slopes, Add	*15.01*	
		For Post Base Flange With Screws, Add Per Post	*20.45*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.93*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*67.66*	
		For Nylon Coating, Add	*18.08*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0026)*

Note: Square weave or square welded wire mesh.

05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	14.97
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.90
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.71
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	28.26

05 52 13 00-0032 Perforated Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	14.68
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	15.18
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	16.25
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	32.61

05 52 13 00-0037 Expanded Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	6.62
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	13.53
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	17.77
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	26.50

05 52 13 00-0042 Railing Accessories *(05 52 13)*

05 52 13 00-0043	EA	Anti-Skateboard Devise Attached To Stair Railing	45.66	20.40

05 52 13 00-0044 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0045	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	37.91	6.33
		For Schedule 80 Handrail, Add	*3.69*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.86*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.53*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.29*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.62*	
		For Stainless Steel, Add	*44.20*	
		For Aluminum, Satin Finish, Add	*9.28*	
		For Curved Rail, Add	*11.37*	
		For Aluminum, Clear Anodized Finish, Add	*14.37*	
		For Aluminum, Dark Anodized Finish, Add	*16.58*	
		For Galvanized Finish, Add	*6.63*	
05 52 13 00-0046	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.62	6.33
		For Schedule 80 Handrail, Add	*4.67*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.70*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.53*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.90*	
		For Stainless Steel, Add	*45.62*	
		For Aluminum, Satin Finish, Add	*9.58*	
		For Curved Rail, Add	*11.59*	
		For Aluminum, Clear Anodized Finish, Add	*14.83*	
		For Aluminum, Dark Anodized Finish, Add	*17.11*	
		For Galvanized Finish, Add	*6.84*	
05 52 13 00-0047	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.34	6.33
		For Schedule 80 Handrail, Add	*18.01*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.18*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.88*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.76*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.18*	
		For Stainless Steel, Add	*47.06*	
		For Aluminum, Satin Finish, Add	*9.88*	
		For Curved Rail, Add	*11.80*	
		For Aluminum, Clear Anodized Finish, Add	*15.29*	
		For Aluminum, Dark Anodized Finish, Add	*17.65*	
		For Galvanized Finish, Add	*7.06*	
05 52 13 00-0048	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.53	6.33
		For Schedule 80 Handrail, Add	*6.49*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.98*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.47*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.37*	
		For Stainless Steel, Add	*63.44*	
		For Aluminum, Satin Finish, Add	*13.32*	
		For Curved Rail, Add	*14.26*	
		For Aluminum, Clear Anodized Finish, Add	*20.62*	
		For Aluminum, Dark Anodized Finish, Add	*23.79*	
		For Galvanized Finish, Add	*9.52*	
05 52 13 00-0049	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	54.31	6.33
		For Schedule 80 Handrail, Add	*7.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.47*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.63*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.71*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.02*	
		For Stainless Steel, Add	*77.00*	
		For Aluminum, Satin Finish, Add	*16.17*	
		For Curved Rail, Add	*16.29*	
		For Aluminum, Clear Anodized Finish, Add	*25.03*	
		For Aluminum, Dark Anodized Finish, Add	*28.88*	
		For Galvanized Finish, Add	*11.55*	

05 52 13 00-0050 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0051	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.29	6.64
		For Schedule 80 Handrail, Add	*3.69*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.71*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.62*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.06*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.89*	
		For Stainless Steel, Add	*60.96*	
		For Aluminum, Satin Finish, Add	*12.80*	
		For Curved Rail, Add	*13.89*	
		For Aluminum, Clear Anodized Finish, Add	*19.81*	
		For Aluminum, Dark Anodized Finish, Add	*22.86*	
		For Galvanized Finish, Add	*9.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0052	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.29	6.64
		For Schedule 80 Handrail, Add	*4.67*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.93*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.87*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.39*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.28*	
		For Stainless Steel, Add	*62.96*	
		For Aluminum, Satin Finish, Add	*13.22*	
		For Curved Rail, Add	*14.19*	
		For Aluminum, Clear Anodized Finish, Add	*20.46*	
		For Aluminum, Dark Anodized Finish, Add	*23.61*	
		For Galvanized Finish, Add	*9.44*	
05 52 13 00-0053	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.03	6.64
		For Schedule 80 Handrail, Add	*18.01*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.09*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.06*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.63*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.57*	
		For Stainless Steel, Add	*64.44*	
		For Aluminum, Satin Finish, Add	*13.53*	
		For Curved Rail, Add	*14.41*	
		For Aluminum, Clear Anodized Finish, Add	*20.94*	
		For Aluminum, Dark Anodized Finish, Add	*24.17*	
		For Galvanized Finish, Add	*9.67*	
05 52 13 00-0054	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	59.48	6.64
		For Schedule 80 Handrail, Add	*6.49*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.61*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.92*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.41*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.03*	
		For Stainless Steel, Add	*87.34*	
		For Aluminum, Satin Finish, Add	*18.34*	
		For Curved Rail, Add	*17.84*	
		For Aluminum, Clear Anodized Finish, Add	*28.39*	
		For Aluminum, Dark Anodized Finish, Add	*32.75*	
		For Galvanized Finish, Add	*13.10*	
05 52 13 00-0055	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	66.96	6.64
		For Schedule 80 Handrail, Add	*7.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.25*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-16.88*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-19.95*	
		For Stainless Steel, Add	*102.30*	
		For Aluminum, Satin Finish, Add	*21.48*	
		For Curved Rail, Add	*20.09*	
		For Aluminum, Clear Anodized Finish, Add	*33.25*	
		For Aluminum, Dark Anodized Finish, Add	*38.36*	
		For Galvanized Finish, Add	*15.35*	

05 52 13 00-0056 Remove And Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0057	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	23.72	
05 52 13 00-0058	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	32.05	
05 52 13 00-0059	EA	Install New Galvanized Steel Pipe Railing Bracket	64.54	
		For Stainless Steel, Add	*65.82*	

05 52 13 00-0060 Non-Welded Aluminum Railing *(05 52 13)*

05 52 13 00-0061 One Rail, Up To 43" High, Non-Welded Aluminum Pipe Railings *(05 52 13 00-0060)*

Note: Includes one rail.

05 52 13 00-0062	LF	1-1/2" Diameter, 43" High, Schedule 40, Non-Welded, Clear Anodized Finish, Aluminum Railing Assembly With One Horizontal Line	118.00	16.25

Note: Includes railing, posts with reinforcement rod, #508 floor cover flanges, #540 side cover flange, #506 mitered elbows, #513 rail elbow and #530 rail end loops. Excludes concrete core drilling or partching.

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	14.12	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.88*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.27*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.85*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.00	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.54*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.87*	
		For Crossbars At 2" On-Center, Add	*1.80*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.97*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.26	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.54*	
		For 304 Stainless Steel, Add	*47.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.36*	
		For Crossbars At 2" On-Center, Add	*1.61*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.93*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	23.89	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.67*	
		For 304 Stainless Steel, Add	*69.24*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.30*	
		For Crossbars At 2" On-Center, Add	*2.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.09*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.52	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.79*	
		For 304 Stainless Steel, Add	*90.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.23*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.43	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.08*	
		For 304 Stainless Steel, Add	*58.13*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.29*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.01*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.50	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.45*	
		For 304 Stainless Steel, Add	*84.04*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.64*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.21*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.61	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.62*	
		For 304 Stainless Steel, Add	*68.34*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.22*	
		For Crossbars At 2" On-Center, Add	*2.30*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.09*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	33.87	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.28*	
		For 304 Stainless Steel, Add	*99.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.06*	
		For Crossbars At 2" On-Center, Add	*3.35*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	43.96	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.99*	
		For 304 Stainless Steel, Add	*132.00*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.01*	
		For Crossbars At 2" On-Center, Add	*4.44*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.93*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	38.79	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.11*	
		For 304 Stainless Steel, Add	*115.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.50*	
		For Crossbars At 2" On-Center, Add	*3.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.60*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	43.40	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.90*	
		For 304 Stainless Steel, Add	*130.20*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.84*	
		For Crossbars At 2" On-Center, Add	*4.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.92*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	48.28	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.72*	
		For 304 Stainless Steel, Add	*145.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.27*	
		For Crossbars At 2" On-Center, Add	*4.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.04*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	52.89	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.51*	
		For 304 Stainless Steel, Add	*160.66*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.61*	
		For Crossbars At 2" On-Center, Add	*5.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.15*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	26.93	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.04*	
		For 304 Stainless Steel, Add	*46.05*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.19*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.17*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	33.21	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.07*	
		For 304 Stainless Steel, Add	*57.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.02*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.33*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	29.61	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.48*	
		For 304 Stainless Steel, Add	*51.06*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.97*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	40.40	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.25*	
		For 304 Stainless Steel, Add	*71.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.22*	
		For Bearing Bars At 15/16" On-Center, Add	*11.12*	
		For Crossbars At 2" On-Center, Add	*4.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.51*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	33.21	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.07*	
		For 304 Stainless Steel, Add	*57.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.02*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.33*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	45.39	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.06*	
		For 304 Stainless Steel, Add	*80.58*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.58*	
		For Crossbars At 2" On-Center, Add	*4.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.63*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	36.98	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.68*	
		For 304 Stainless Steel, Add	*64.85*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.12*	
		For Crossbars At 2" On-Center, Add	*3.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.42*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	51.15	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.92*	
		For 304 Stainless Steel, Add	*90.39*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.05*	
		For Bearing Bars At 15/16" On-Center, Add	*14.11*	
		For Crossbars At 2" On-Center, Add	*5.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.11*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	56.42	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.79*	
		For 304 Stainless Steel, Add	*100.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.65*	
		For Crossbars At 2" On-Center, Add	*5.79*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.24*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	60.71	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.49*	
		For 304 Stainless Steel, Add	*108.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.90*	
		For Crossbars At 2" On-Center, Add	*6.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.35*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	64.83	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.17*	
		For 304 Stainless Steel, Add	*115.98*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.10*	
		For Crossbars At 2" On-Center, Add	*6.69*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.45*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	68.39	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.75*	
		For 304 Stainless Steel, Add	*122.64*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.14*	
		For Crossbars At 2" On-Center, Add	*7.08*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.54*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	17.02	1.16
		For Bearing Bars At 15/16" On-Center, Add	*4.29*	
		For Crossbars At 2" On-Center, Add	*1.59*	
		For Set In Place Without Bolting, Deduct	*-1.92*	
		For Powder Coating, Add	*2.21*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	23.05	1.16
		For Bearing Bars At 15/16" On-Center, Add	*6.05*	
		For Crossbars At 2" On-Center, Add	*2.24*	
		For Set In Place Without Bolting, Deduct	*-2.07*	
		For Powder Coating, Add	*3.11*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	21.75	1.16
		For Bearing Bars At 15/16" On-Center, Add	*5.67*	
		For Crossbars At 2" On-Center, Add	*2.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.04*	
		For Powder Coating, Add	*2.91*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	29.54	1.16
		For Bearing Bars At 7/16" On-Center, Add	*39.47*	
		For Bearing Bars At 15/16" On-Center, Add	*7.95*	
		For Crossbars At 2" On-Center, Add	*2.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.23*	
		For Powder Coating, Add	*4.08*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.18	1.16
		For Bearing Bars At 15/16" On-Center, Add	*6.68*	
		For Crossbars At 2" On-Center, Add	*2.47*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.13*	
		For Powder Coating, Add	*3.43*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.67	1.16
		For Bearing Bars At 15/16" On-Center, Add	*9.15*	
		For Crossbars At 2" On-Center, Add	*3.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.34*	
		For Powder Coating, Add	*4.70*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.40	1.16
		For Bearing Bars At 15/16" On-Center, Add	*7.62*	
		For Crossbars At 2" On-Center, Add	*2.82*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.21*	
		For Powder Coating, Add	*3.91*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	37.93	1.16
		For Bearing Bars At 7/16" On-Center, Add	*51.63*	
		For Bearing Bars At 15/16" On-Center, Add	*10.40*	
		For Crossbars At 2" On-Center, Add	*3.85*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.44*	
		For Powder Coating, Add	*5.34*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.01	1.16
		For Bearing Bars At 15/16" On-Center, Add	*11.59*	
		For Crossbars At 2" On-Center, Add	*4.29*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.55*	
		For Powder Coating, Add	*5.95*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	46.84	1.16
		For Bearing Bars At 15/16" On-Center, Add	*13.00*	
		For Crossbars At 2" On-Center, Add	*4.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.67*	
		For Powder Coating, Add	*6.68*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	50.63	1.16
		For Bearing Bars At 15/16" On-Center, Add	*14.11*	
		For Crossbars At 2" On-Center, Add	*5.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.76*	
		For Powder Coating, Add	*7.25*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.15	1.16
		For Bearing Bars At 15/16" On-Center, Add	*15.43*	
		For Crossbars At 2" On-Center, Add	*5.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.88*	
		For Powder Coating, Add	*7.92*	

05 53 13 00-0044 **Swage Locked Grating** *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 **Steel, Swage Locked Grating** *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	44.24	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.86*	
		For 304 Stainless Steel, Add	*69.50*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.83*	
		For Crossbars At 2" On-Center, Add	*3.35*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.60*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	49.40	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.33*	
		For 304 Stainless Steel, Add	*78.06*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.13*	
		For Crossbars At 2" On-Center, Add	*3.77*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.73*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	53.97	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.70*	
		For 304 Stainless Steel, Add	*84.77*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.72*	
		For Crossbars At 2" On-Center, Add	*4.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.18*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	61.90	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.43*	
		For 304 Stainless Steel, Add	*97.92*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.80*	
		For Crossbars At 2" On-Center, Add	*4.72*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.38*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	69.85	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.16*	
		For 304 Stainless Steel, Add	*111.10*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*42.89*	
		For Crossbars At 2" On-Center, Add	*5.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.58*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	77.78	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.89*	
		For 304 Stainless Steel, Add	*124.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*47.96*	
		For Crossbars At 2" On-Center, Add	*6.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.78*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	85.74	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.63*	
		For 304 Stainless Steel, Add	*137.45*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.06*	
		For Crossbars At 2" On-Center, Add	*6.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.98*	
05 53 13 00-0053		Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	20.09	1.16
		For Bearing Bars At 15/16" On-Center, Add	*11.37*	
		For Crossbars At 2" On-Center, Add	*1.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.00*	
		For Powder Coating, Add	*2.67*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	26.04	1.16
		For Bearing Bars At 15/16" On-Center, Add	*15.18*	
		For Crossbars At 2" On-Center, Add	*1.90*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.15*	
		For Powder Coating, Add	*3.56*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	22.76	1.16
		For Bearing Bars At 15/16" On-Center, Add	*13.08*	
		For Crossbars At 2" On-Center, Add	*1.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.07*	
		For Powder Coating, Add	*3.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	30.04	1.16
		For Bearing Bars At 15/16" On-Center, Add	*17.74*	
		For Crossbars At 2" On-Center, Add	*2.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.25*	
		For Powder Coating, Add	*4.16*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	25.93	1.16
		For Bearing Bars At 15/16" On-Center, Add	*15.11*	
		For Crossbars At 2" On-Center, Add	*1.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.14*	
		For Powder Coating, Add	*3.54*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	34.32	1.16
		For Bearing Bars At 15/16" On-Center, Add	*20.48*	
		For Crossbars At 2" On-Center, Add	*2.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.35*	
		For Powder Coating, Add	*4.80*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	39.26	1.16
		For Bearing Bars At 15/16" On-Center, Add	*23.64*	
		For Crossbars At 2" On-Center, Add	*2.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.48*	
		For Powder Coating, Add	*5.54*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	44.17	1.16
		For Bearing Bars At 15/16" On-Center, Add	*26.78*	
		For Crossbars At 2" On-Center, Add	*3.35*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.60*	
		For Powder Coating, Add	*6.28*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	49.10	1.16
		For Bearing Bars At 15/16" On-Center, Add	*29.94*	
		For Crossbars At 2" On-Center, Add	*3.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.72*	
		For Powder Coating, Add	*7.02*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	54.01	1.16
		For Bearing Bars At 15/16" On-Center, Add	*33.08*	
		For Crossbars At 2" On-Center, Add	*4.14*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.85*	
		For Powder Coating, Add	*7.75*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	84.31	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.94*	
		For 304 Stainless Steel, Add	*70.43*	
		For 5/8" Clear Opening, Add	*28.29*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.60*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	99.32	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.66*	
		For 304 Stainless Steel, Add	*83.32*	
		For 5/8" Clear Opening, Add	*33.47*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.98*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	91.22	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.27*	
		For 304 Stainless Steel, Add	*76.37*	
		For 5/8" Clear Opening, Add	*30.67*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.78*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	105.04	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.93*	
		For 304 Stainless Steel, Add	*88.24*	
		For 5/8" Clear Opening, Add	*35.44*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.12*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating	96.94	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.54*	
		For 304 Stainless Steel, Add	*81.28*	
		For 5/8" Clear Opening, Add	*32.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	115.69	1.16
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.44*	
		For 304 Stainless Steel, Add	*97.38*	
		For 5/8" Clear Opening, Add	*39.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.39*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	102.98	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*86.02*	
		For 5/8" Clear Opening, Add	*34.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.41*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	123.01	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.77*	
		For 304 Stainless Steel, Add	*108.23*	
		For 5/8" Clear Opening, Add	*41.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.91*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	133.24	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*112.01*	
		For 5/8" Clear Opening, Add	*44.99*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.16*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating	156.07	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.36*	
		For 304 Stainless Steel, Add	*131.62*	
		For 5/8" Clear Opening, Add	*52.86*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.73*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	164.02	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.74*	
		For 304 Stainless Steel, Add	*138.45*	
		For 5/8" Clear Opening, Add	*55.61*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.93*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	171.11	1.42
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.08*	
		For 304 Stainless Steel, Add	*144.54*	
		For 5/8" Clear Opening, Add	*58.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.11*	
05 53 13 00-0078		**Aluminum, Riveted Grating** *(05 53 13 00-0064)*		
		Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	42.89	1.16
		For 5/8" Clear Opening, Add	*14.00*	
		For Powder Coating, Add	*6.09*	
		For Set In Place Without Bolting, Deduct	*-2.57*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	50.92	1.16
		For 5/8" Clear Opening, Add	*16.77*	
		For Powder Coating, Add	*7.29*	
		For Set In Place Without Bolting, Deduct	*-2.77*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	47.18	1.16
		For 5/8" Clear Opening, Add	*15.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.73*	
		For Set In Place Without Bolting, Deduct	*-2.68*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	55.02	1.16
		For 5/8" Clear Opening, Add	*18.18*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.91*	
		For Set In Place Without Bolting, Deduct	*-2.87*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	52.92	1.16
		For 5/8" Clear Opening, Add	*17.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.59*	
		For Set In Place Without Bolting, Deduct	*-2.82*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	63.80	1.16
		For 5/8" Clear Opening, Add	*21.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.22*	
		For Set In Place Without Bolting, Deduct	*-3.09*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	56.84	1.16
		For 5/8" Clear Opening, Add	*18.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.18*	
		For Set In Place Without Bolting, Deduct	*-2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	70.66	1.16
		For 5/8" Clear Opening, Add	*23.58*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.25*	
		For Set In Place Without Bolting, Deduct	*-3.26*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	77.91	1.16
		For 5/8" Clear Opening, Add	*26.08*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.34*	
		For Set In Place Without Bolting, Deduct	*-3.44*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	92.79	1.16
		For 5/8" Clear Opening, Add	*31.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.57*	
		For Set In Place Without Bolting, Deduct	*-3.82*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	101.24	1.16
		For 5/8" Clear Opening, Add	*34.13*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.84*	
		For Set In Place Without Bolting, Deduct	*-4.03*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	112.56	1.16
		For 5/8" Clear Opening, Add	*38.03*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.54*	
		For Set In Place Without Bolting, Deduct	*-4.31*	

05 53 16 Plank Gratings *(05 53)*

05 53 16 00-0001 Grate-Lock Steel Plank Grating *(05 53 16)*

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	17.67	0.90
		For Stair Tread Application, Add	*2.04*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.86	1.10
		For Stair Tread Application, Add	*2.22*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	19.87	1.22
		For Stair Tread Application, Add	*2.35*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	21.71	1.32
		For Stair Tread Application, Add	*2.57*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	21.52	1.00
		For Stair Tread Application, Add	*2.45*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.89	1.22
		For Stair Tread Application, Add	*2.65*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	26.43	1.16
		For Stair Tread Application, Add	*2.99*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	28.12	1.42
		For Stair Tread Application, Add	*3.24*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	30.09	1.79
		For Stair Tread Application, Add	*3.55*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	33.21	2.00
		For Stair Tread Application, Add	*3.92*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	22.45	1.37
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	25.79	1.37
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	32.52	1.37
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	43.62	1.47
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	55.68	1.58

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	30.09	1.16
		For Powder Coating, Add	*4.17*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	34.53	1.37
		For Powder Coating, Add	*4.78*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	38.98	1.47
		For Powder Coating, Add	*5.40*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.11	1.58
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	46.77	1.79
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.62	2.11

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	70.89	5.97
		For 3/8" Thick, Add	*15.34*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	78.27	5.97
		For 3/8" Thick, Add	*17.18*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	85.63	5.97
		For 3/8" Thick, Add	*19.02*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	93.04	5.97
		For 3/8" Thick, Add	*20.87*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	100.38	5.97
		For 3/8" Thick, Add	*22.71*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	99.52	5.97
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	110.46	5.97
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	121.42	5.97
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	132.35	5.97
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	143.31	5.97

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	36.36	5.97
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	43.05	5.97
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	46.00	5.97

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	54.82	5.97
		For Epoxy Sealed For Corrosive Environment, Add	*4.64*	
		For Two Color Tread, Add	*3.48*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	55.38	5.97
		For Epoxy Sealed For Corrosive Environment, Add	*4.64*	
		For Two Color Tread, Add	*3.48*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	67.41	5.97
		For Epoxy Sealed For Corrosive Environment, Add	*4.64*	
		For Two Color Tread, Add	*3.48*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	77.95	5.97
		For Epoxy Sealed For Corrosive Environment, Add	*4.64*	
		For Two Color Tread, Add	*3.48*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	91.69	5.97
		For Epoxy Sealed For Corrosive Environment, Add	*4.64*	
		For Two Color Tread, Add	*3.48*	

05 55 13 00-0023 Stair Landing Treads *(05 55 13)*

05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	100.38	5.97
		For 3/8" Thick, Add	*22.71*	

05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	143.31	5.97

05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	92.90	5.97
		For Epoxy Sealed For Corrosive Environment, Add	*4.64*	

05 55 13 00-0030 Open Cast Iron Stair Tread *(05 55 13)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	789.17	42.18
		For Closed Riser, Add	*67.76*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	882.61	48.49
		For Closed Riser, Add	*75.62*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	970.90	56.93
		For Closed Riser, Add	*83.10*	

05 55 16 Metal Stair Nosings *(05 55)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0001		**Abrasive Cast Aluminum Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	29.35	4.07
		For 3/8" Thick, Add	*5.71*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	36.48	4.07
		For 3/8" Thick, Add	*7.49*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	52.37	4.07
		For 3/8" Thick, Add	*11.47*	
05 55 16 00-0005		**Abrasive Cast Iron Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	34.56	4.07
		For 3/8" Thick, Add	*7.01*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	43.33	4.07
		For 3/8" Thick, Add	*9.21*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	60.68	4.07
		For 3/8" Thick, Add	*13.54*	
05 55 16 00-0009		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings** *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	24.52	4.07
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	27.96	4.07
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	30.58	4.07
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	38.74	4.07
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	25.45	4.07
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.38	4.07
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.28	4.07
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	29.52	4.07

05 56 Metal Castings *(05 50)*

05 56 00 00-0001		**Castings** *(05 56)*		
05 56 00 00-0002	LB	Up To 150 LB, Miscellaneous Castings, Light Section	6.12	0.53
05 56 00 00-0003	LB	>150 LB, Miscellaneous Castings, Heavy Section	10.69	0.42

05 58 Formed Metal Fabrications *(05 50)*

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001		**Drip Pan** *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	112.60	6.11
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	111.21	6.11
05 58 16 00-0004	SF	Aluminum Drip Pan	77.91	4.89
05 58 16 00-0005	SF	Plastic Drip Pan	19.46	4.28

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001		**Protective Guard Rails** *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		**2-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		**Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	204.67	19.53
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	241.59	19.53
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	276.42	19.53
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	313.34	19.53
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	348.36	19.53
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	393.76	19.53
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	424.69	19.53
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	472.59	19.53
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	504.02	19.53
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	526.47	19.53
05 58 23 00-0014		**Posts For 2-Rib Guard Rails** *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	408.66	40.69
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	536.88	40.69
05 58 23 00-0017		**3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0001)* Note: Steel King Steel Guard.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0018		**Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)*		
		Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	226.92	19.53
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	251.47	19.53
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	282.10	19.53
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	310.74	19.53
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	343.87	19.53
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	359.83	19.53
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	398.25	19.53
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	430.68	19.53
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	465.10	19.53
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	500.03	19.53
05 58 23 00-0029		**Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)*		
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	337.38	19.53
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	364.32	19.53
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	392.26	19.53
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	424.69	19.53
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	457.12	19.53
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	483.56	19.53
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	514.00	19.53
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	548.42	19.53
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	585.34	19.53
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	617.77	19.53
05 58 23 00-0040		**Posts For 3-Rib Guard Rails** *(05 58 23 00-0017)*		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	357.58	40.69
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	461.55	40.69
05 58 23 00-0043		**All-Welded, Protective Guards** *(05 58 23)*		
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		**All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	466.22	54.25
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	491.16	54.25
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	505.63	54.25
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	527.08	54.25
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	522.09	54.25
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	548.54	54.25
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	556.02	54.25
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	564.50	54.25
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	604.91	54.25
05 58 23 00-0054		**Corner Style, All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	620.88	54.25
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	650.81	54.25
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	663.29	54.25
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	724.65	54.25
05 58 23 00-0059		**Warehouse Safety Bollards** *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	301.57	40.69
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	350.86	40.69
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	403.05	40.69
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	417.32	40.69
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	450.25	40.69

05 59 Metal Specialties *(05 50)*

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001		**Alloy Steel Chain, Self Colored, Cut Length** *(05 59 65)*		
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	7.00	1.02
		For Plastic Dipped, Add	*0.74*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.27	1.35
		For Plastic Dipped, Add	*0.83*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	12.91	2.71
		For Plastic Dipped, Add	*1.12*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	20.66	4.57
		For Plastic Dipped, Add	*1.73*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	34.86	7.72
		For Plastic Dipped, Add	*2.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	48.93	10.83
		For Plastic Dipped, Add	*4.09*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	67.06	13.54
		For Plastic Dipped, Add	*6.00*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	97.41	18.05
		For Plastic Dipped, Add	*9.19*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	159.05	27.09
		For Plastic Dipped, Add	*15.73*	

05 59 65 00-0011 316L Stainless Steel Chain, Cut Length *(05 59 65)*

05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length	2,679.80	90.25
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length	3,298.00	108.34
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length	4,134.18	135.43
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length	5,585.34	180.62
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length	6,346.38	270.87
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length	9,572.78	451.49

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001 Woven And Welded Wire Cloth *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*

05 59 69 00-0003 2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels	9.78	2.89
		For Up To 2, Add	*2.73*	
		For >2 To 6, Add	*1.56*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.89*	
		For Galvanized, Add	*2.60*	
		For Aluminum, Add	*3.55*	
		For 304 Stainless Steel, Add	*14.21*	
		For 316 Stainless Steel, Add	*16.28*	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels	10.52	3.01
		For Up To 2, Add	*2.91*	
		For >2 To 6, Add	*1.66*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.86*	
		For Aluminum, Add	*3.90*	
		For 304 Stainless Steel, Add	*15.60*	
		For 316 Stainless Steel, Add	*17.88*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels	11.18	3.34
		For Up To 2, Add	*3.13*	
		For >2 To 6, Add	*1.79*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels	11.78	3.48
		For Up To 2, Add	*3.28*	
		For >2 To 6, Add	*1.87*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.29*	
		For 304 Stainless Steel, Add	*17.16*	
		For 316 Stainless Steel, Add	*19.66*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels	12.88	3.90
		For Up To 2, Add	*3.62*	
		For >2 To 6, Add	*2.07*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.38*	
		For Aluminum, Add	*4.61*	
		For 304 Stainless Steel, Add	*18.43*	
		For 316 Stainless Steel, Add	*21.12*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels	14.81	4.34
		For Up To 2, Add	*4.12*	
		For >2 To 6, Add	*2.35*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.35*	
		For Galvanized, Add	*3.97*	
		For Aluminum, Add	*5.41*	
		For 304 Stainless Steel, Add	*21.65*	
		For 316 Stainless Steel, Add	*24.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels	16.81	4.78
		For Up To 2, Add	*4.64*	
		For >2 To 6, Add	*2.64*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.57*	
		For Galvanized, Add	*4.59*	
		For Aluminum, Add	*6.26*	
		For 304 Stainless Steel, Add	*25.06*	
		For 316 Stainless Steel, Add	*28.71*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	19.26	5.31
		For Up To 2, Add	*5.27*	
		For >2 To 6, Add	*2.99*	
		For >15 To 40, Deduct	*-0.61*	
		For >40, Deduct	*-1.83*	
		For Galvanized, Add	*5.36*	
		For Aluminum, Add	*7.31*	
		For 304 Stainless Steel, Add	*29.26*	
		For 316 Stainless Steel, Add	*33.52*	
05 59 69 00-0012		1-3/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	10.25	3.06
		For Up To 2, Add	*2.87*	
		For >2 To 6, Add	*1.64*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.93*	
		For Galvanized, Add	*2.71*	
		For Aluminum, Add	*3.70*	
		For 304 Stainless Steel, Add	*14.81*	
		For 316 Stainless Steel, Add	*16.97*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	11.29	3.22
		For Up To 2, Add	*3.12*	
		For >2 To 6, Add	*1.78*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.05*	
		For Galvanized, Add	*3.07*	
		For Aluminum, Add	*4.19*	
		For 304 Stainless Steel, Add	*16.75*	
		For 316 Stainless Steel, Add	*19.20*	
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	12.13	3.62
		For Up To 2, Add	*3.39*	
		For >2 To 6, Add	*1.94*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.09*	
		For Galvanized, Add	*3.21*	
		For Aluminum, Add	*4.37*	
		For 304 Stainless Steel, Add	*17.50*	
		For 316 Stainless Steel, Add	*20.05*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	12.68	3.74
		For Up To 2, Add	*3.53*	
		For >2 To 6, Add	*2.02*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.38*	
		For Aluminum, Add	*4.61*	
		For 304 Stainless Steel, Add	*18.46*	
		For 316 Stainless Steel, Add	*21.15*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	13.86	4.19
		For Up To 2, Add	*3.89*	
		For >2 To 6, Add	*2.22*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.24*	
		For Galvanized, Add	*3.64*	
		For Aluminum, Add	*4.96*	
		For 304 Stainless Steel, Add	*19.85*	
		For 316 Stainless Steel, Add	*22.74*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	15.94	4.69
		For Up To 2, Add	*4.44*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.49*	
		For >40, Deduct	*-1.46*	
		For Galvanized, Add	*4.27*	
		For Aluminum, Add	*5.82*	
		For 304 Stainless Steel, Add	*23.28*	
		For 316 Stainless Steel, Add	*26.68*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	18.07	5.14
		For Up To 2, Add	*4.98*	
		For >2 To 6, Add	*2.83*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.68*	
		For Galvanized, Add	*4.94*	
		For Aluminum, Add	*6.73*	
		For 304 Stainless Steel, Add	*26.93*	
		For 316 Stainless Steel, Add	*30.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	20.74	5.71
		For Up To 2, Add	*5.67*	
		For >2 To 6, Add	*3.22*	
		For >15 To 40, Deduct	*-0.66*	
		For >40, Deduct	*-1.97*	
		For Galvanized, Add	*5.77*	
		For Aluminum, Add	*7.87*	
		For 304 Stainless Steel, Add	*31.49*	
		For 316 Stainless Steel, Add	*36.08*	
05 59 69 00-0021		1-1/2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	11.36	3.41
		For Up To 2, Add	*3.18*	
		For >2 To 6, Add	*1.82*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.02*	
		For Galvanized, Add	*3.01*	
		For Aluminum, Add	*4.10*	
		For 304 Stainless Steel, Add	*16.39*	
		For 316 Stainless Steel, Add	*18.78*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	12.49	3.58
		For Up To 2, Add	*3.45*	
		For >2 To 6, Add	*1.96*	
		For >15 To 40, Deduct	*-0.39*	
		For >40, Deduct	*-1.16*	
		For Galvanized, Add	*3.40*	
		For Aluminum, Add	*4.63*	
		For 304 Stainless Steel, Add	*18.53*	
		For 316 Stainless Steel, Add	*21.23*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.27	3.97
		For Up To 2, Add	*3.71*	
		For >2 To 6, Add	*2.12*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.20*	
		For Galvanized, Add	*3.51*	
		For Aluminum, Add	*4.79*	
		For 304 Stainless Steel, Add	*19.15*	
		For 316 Stainless Steel, Add	*21.95*	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	13.99	4.13
		For Up To 2, Add	*3.90*	
		For >2 To 6, Add	*2.22*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.74*	
		For Aluminum, Add	*5.09*	
		For 304 Stainless Steel, Add	*20.38*	
		For 316 Stainless Steel, Add	*23.35*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	15.25	4.61
		For Up To 2, Add	*4.28*	
		For >2 To 6, Add	*2.45*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.36*	
		For Galvanized, Add	*4.00*	
		For Aluminum, Add	*5.45*	
		For 304 Stainless Steel, Add	*21.82*	
		For 316 Stainless Steel, Add	*25.00*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	17.42	5.12
		For Up To 2, Add	*4.85*	
		For >2 To 6, Add	*2.76*	
		For >15 To 40, Deduct	*-0.53*	
		For >40, Deduct	*-1.59*	
		For Galvanized, Add	*4.67*	
		For Aluminum, Add	*6.37*	
		For 304 Stainless Steel, Add	*25.46*	
		For 316 Stainless Steel, Add	*29.18*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	19.76	5.62
		For Up To 2, Add	*5.45*	
		For >2 To 6, Add	*3.10*	
		For >15 To 40, Deduct	*-0.61*	
		For >40, Deduct	*-1.84*	
		For Galvanized, Add	*5.40*	
		For Aluminum, Add	*7.36*	
		For 304 Stainless Steel, Add	*29.45*	
		For 316 Stainless Steel, Add	*33.74*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	22.62	6.23
		For Up To 2, Add	*6.18*	
		For >2 To 6, Add	*3.51*	
		For >15 To 40, Deduct	*-0.72*	
		For >40, Deduct	*-2.15*	
		For Galvanized, Add	*6.30*	
		For Aluminum, Add	*8.59*	
		For 304 Stainless Steel, Add	*34.37*	
		For 316 Stainless Steel, Add	*39.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0030		1-1/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	11.60	3.68
		For Up To 2, Add	*3.30*	
		For >2 To 6, Add	*1.90*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.94*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.06*	
		For 316 Stainless Steel, Add	*18.40*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	12.56	3.86
		For Up To 2, Add	*3.54*	
		For >2 To 6, Add	*2.03*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.11*	
		For Galvanized, Add	*3.26*	
		For Aluminum, Add	*4.45*	
		For 304 Stainless Steel, Add	*17.78*	
		For 316 Stainless Steel, Add	*20.38*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.65	4.02
		For Up To 2, Add	*3.80*	
		For >2 To 6, Add	*2.17*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.24*	
		For Galvanized, Add	*3.65*	
		For Aluminum, Add	*4.97*	
		For 304 Stainless Steel, Add	*19.90*	
		For 316 Stainless Steel, Add	*22.80*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	14.08	4.10
		For Up To 2, Add	*3.91*	
		For >2 To 6, Add	*2.23*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*3.79*	
		For Aluminum, Add	*5.17*	
		For 304 Stainless Steel, Add	*20.69*	
		For 316 Stainless Steel, Add	*23.71*	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	15.25	4.62
		For Up To 2, Add	*4.28*	
		For >2 To 6, Add	*2.45*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.36*	
		For Galvanized, Add	*4.00*	
		For Aluminum, Add	*5.45*	
		For 304 Stainless Steel, Add	*21.79*	
		For 316 Stainless Steel, Add	*24.97*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	17.17	5.20
		For Up To 2, Add	*4.82*	
		For >2 To 6, Add	*2.76*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.54*	
		For Galvanized, Add	*4.51*	
		For Aluminum, Add	*6.14*	
		For 304 Stainless Steel, Add	*24.58*	
		For 316 Stainless Steel, Add	*28.16*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	19.55	5.74
		For Up To 2, Add	*5.44*	
		For >2 To 6, Add	*3.10*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.79*	
		For Galvanized, Add	*5.24*	
		For Aluminum, Add	*7.14*	
		For 304 Stainless Steel, Add	*28.56*	
		For 316 Stainless Steel, Add	*32.73*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	22.07	6.28
		For Up To 2, Add	*6.09*	
		For >2 To 6, Add	*3.46*	
		For >15 To 40, Deduct	*-0.69*	
		For >40, Deduct	*-2.06*	
		For Galvanized, Add	*6.03*	
		For Aluminum, Add	*8.23*	
		For 304 Stainless Steel, Add	*32.90*	
		For 316 Stainless Steel, Add	*37.70*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	25.31	6.97
		For Up To 2, Add	*6.92*	
		For >2 To 6, Add	*3.92*	
		For >15 To 40, Deduct	*-0.80*	
		For >40, Deduct	*-2.40*	
		For Galvanized, Add	*7.05*	
		For Aluminum, Add	*9.61*	
		For 304 Stainless Steel, Add	*38.45*	
		For 316 Stainless Steel, Add	*44.06*	
05 59 69 00-0040		1" Square Wire Spacing *(05 59 69 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	13.23	4.31
		For Up To 2, Add	*3.79*	
		For >2 To 6, Add	*2.18*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.12*	
		For Galvanized, Add	*3.30*	
		For Aluminum, Add	*4.49*	
		For 304 Stainless Steel, Add	*17.98*	
		For 316 Stainless Steel, Add	*20.60*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	14.20	4.48
		For Up To 2, Add	*4.04*	
		For >2 To 6, Add	*2.32*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.93*	
		For 304 Stainless Steel, Add	*19.73*	
		For 316 Stainless Steel, Add	*22.61*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	14.80	4.69
		For Up To 2, Add	*4.21*	
		For >2 To 6, Add	*2.42*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.28*	
		For Galvanized, Add	*3.76*	
		For Aluminum, Add	*5.12*	
		For 304 Stainless Steel, Add	*20.50*	
		For 316 Stainless Steel, Add	*23.49*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	15.88	4.75
		For Up To 2, Add	*4.44*	
		For >2 To 6, Add	*2.54*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.43*	
		For Galvanized, Add	*4.20*	
		For Aluminum, Add	*5.72*	
		For 304 Stainless Steel, Add	*22.90*	
		For 316 Stainless Steel, Add	*26.24*	
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	17.66	5.35
		For Up To 2, Add	*4.96*	
		For >2 To 6, Add	*2.84*	
		For >15 To 40, Deduct	*-0.53*	
		For >40, Deduct	*-1.58*	
		For Galvanized, Add	*4.63*	
		For Aluminum, Add	*6.31*	
		For 304 Stainless Steel, Add	*25.25*	
		For 316 Stainless Steel, Add	*28.93*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	19.82	6.00
		For Up To 2, Add	*5.56*	
		For >2 To 6, Add	*3.18*	
		For >15 To 40, Deduct	*-0.59*	
		For >40, Deduct	*-1.77*	
		For Galvanized, Add	*5.20*	
		For Aluminum, Add	*7.09*	
		For 304 Stainless Steel, Add	*28.37*	
		For 316 Stainless Steel, Add	*32.51*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	22.69	6.65
		For Up To 2, Add	*6.31*	
		For >2 To 6, Add	*3.60*	
		For >15 To 40, Deduct	*-0.69*	
		For >40, Deduct	*-2.07*	
		For Galvanized, Add	*6.08*	
		For Aluminum, Add	*8.29*	
		For 304 Stainless Steel, Add	*33.14*	
		For 316 Stainless Steel, Add	*37.98*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	25.55	7.27
		For Up To 2, Add	*7.05*	
		For >2 To 6, Add	*4.01*	
		For >15 To 40, Deduct	*-0.79*	
		For >40, Deduct	*-2.38*	
		For Galvanized, Add	*6.98*	
		For Aluminum, Add	*9.52*	
		For 304 Stainless Steel, Add	*38.09*	
		For 316 Stainless Steel, Add	*43.64*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	29.20	8.04
		For Up To 2, Add	*7.98*	
		For >2 To 6, Add	*4.53*	
		For >15 To 40, Deduct	*-0.92*	
		For >40, Deduct	*-2.77*	
		For Galvanized, Add	*8.13*	
		For Aluminum, Add	*11.09*	
		For 304 Stainless Steel, Add	*44.35*	
		For 316 Stainless Steel, Add	*50.82*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	13.40	4.30
		For Up To 2, Add	*3.83*	
		For >2 To 6, Add	*2.20*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.37*	
		For Aluminum, Add	*4.60*	
		For 304 Stainless Steel, Add	*18.41*	
		For 316 Stainless Steel, Add	*21.09*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels	14.97	4.83
		For Up To 2, Add	*4.28*	
		For >2 To 6, Add	*2.46*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.28*	
		For Galvanized, Add	*3.76*	
		For Aluminum, Add	*5.12*	
		For 304 Stainless Steel, Add	*20.50*	
		For 316 Stainless Steel, Add	*28.49*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels	16.55	5.45
		For Up To 2, Add	*4.76*	
		For >2 To 6, Add	*2.74*	
		For >15 To 40, Deduct	*-0.46*	
		For >40, Deduct	*-1.39*	
		For Galvanized, Add	*4.09*	
		For Aluminum, Add	*5.57*	
		For 304 Stainless Steel, Add	*22.30*	
		For 316 Stainless Steel, Add	*25.55*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels	17.91	5.80
		For Up To 2, Add	*5.13*	
		For >2 To 6, Add	*2.95*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.52*	
		For Galvanized, Add	*4.47*	
		For Aluminum, Add	*6.10*	
		For 304 Stainless Steel, Add	*24.38*	
		For 316 Stainless Steel, Add	*27.94*	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels	20.74	6.53
		For Up To 2, Add	*5.89*	
		For >2 To 6, Add	*3.38*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.80*	
		For Galvanized, Add	*5.29*	
		For Aluminum, Add	*7.21*	
		For 304 Stainless Steel, Add	*28.85*	
		For 316 Stainless Steel, Add	*33.06*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels	23.88	7.31
		For Up To 2, Add	*6.72*	
		For >2 To 6, Add	*3.85*	
		For >15 To 40, Deduct	*-0.71*	
		For >40, Deduct	*-2.12*	
		For Galvanized, Add	*6.22*	
		For Aluminum, Add	*8.48*	
		For 304 Stainless Steel, Add	*33.94*	
		For 316 Stainless Steel, Add	*38.89*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	27.22	8.07
		For Up To 2, Add	*7.60*	
		For >2 To 6, Add	*4.34*	
		For >15 To 40, Deduct	*-0.82*	
		For >40, Deduct	*-2.47*	
		For Galvanized, Add	*7.24*	
		For Aluminum, Add	*9.87*	
		For 304 Stainless Steel, Add	*39.48*	
		For 316 Stainless Steel, Add	*45.24*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	30.53	8.78
		For Up To 2, Add	*8.45*	
		For >2 To 6, Add	*4.81*	
		For >15 To 40, Deduct	*-0.94*	
		For >40, Deduct	*-2.82*	
		For Galvanized, Add	*8.29*	
		For Aluminum, Add	*11.30*	
		For 304 Stainless Steel, Add	*45.19*	
		For 316 Stainless Steel, Add	*51.78*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	34.86	9.71
		For Up To 2, Add	*9.56*	
		For >2 To 6, Add	*5.43*	
		For >15 To 40, Deduct	*-1.10*	
		For >40, Deduct	*-3.29*	
		For Galvanized, Add	*9.64*	
		For Aluminum, Add	*13.15*	
		For 304 Stainless Steel, Add	*52.61*	
		For 316 Stainless Steel, Add	*60.28*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	13.99	4.60
		For Up To 2, Add	*4.03*	
		For >2 To 6, Add	*2.32*	
		For >15 To 40, Deduct	*-0.39*	
		For >40, Deduct	*-1.18*	
		For Galvanized, Add	*3.45*	
		For Aluminum, Add	*4.71*	
		For 304 Stainless Steel, Add	*18.84*	
		For 316 Stainless Steel, Add	*21.59*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	16.34	5.59
		For Up To 2, Add	*4.76*	
		For >2 To 6, Add	*2.75*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.33*	
		For Galvanized, Add	*3.90*	
		For Aluminum, Add	*5.32*	
		For 304 Stainless Steel, Add	*21.29*	
		For 316 Stainless Steel, Add	*24.39*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	19.76	6.62
		For Up To 2, Add	*5.72*	
		For >2 To 6, Add	*3.30*	
		For >15 To 40, Deduct	*-0.55*	
		For >40, Deduct	*-1.64*	
		For Galvanized, Add	*4.81*	
		For Aluminum, Add	*6.56*	
		For 304 Stainless Steel, Add	*26.26*	
		For 316 Stainless Steel, Add	*30.09*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	22.82	7.43
		For Up To 2, Add	*6.54*	
		For >2 To 6, Add	*3.77*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.94*	
		For Galvanized, Add	*5.68*	
		For Aluminum, Add	*7.75*	
		For 304 Stainless Steel, Add	*31.01*	
		For 316 Stainless Steel, Add	*35.53*	
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	26.24	8.29
		For Up To 2, Add	*7.46*	
		For >2 To 6, Add	*4.28*	
		For >15 To 40, Deduct	*-0.76*	
		For >40, Deduct	*-2.28*	
		For Galvanized, Add	*6.68*	
		For Aluminum, Add	*9.11*	
		For 304 Stainless Steel, Add	*36.46*	
		For 316 Stainless Steel, Add	*41.77*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	30.12	9.23
		For Up To 2, Add	*8.49*	
		For >2 To 6, Add	*4.86*	
		For >15 To 40, Deduct	*-0.89*	
		For >40, Deduct	*-2.67*	
		For Galvanized, Add	*7.83*	
		For Aluminum, Add	*10.68*	
		For 304 Stainless Steel, Add	*42.72*	
		For 316 Stainless Steel, Add	*48.95*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	34.13	10.16
		For Up To 2, Add	*9.53*	
		For >2 To 6, Add	*5.44*	
		For >15 To 40, Deduct	*-1.03*	
		For >40, Deduct	*-3.09*	
		For Galvanized, Add	*9.06*	
		For Aluminum, Add	*12.36*	
		For 304 Stainless Steel, Add	*49.44*	
		For 316 Stainless Steel, Add	*56.65*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	38.17	11.01
		For Up To 2, Add	*10.57*	
		For >2 To 6, Add	*6.02*	
		For >15 To 40, Deduct	*-1.18*	
		For >40, Deduct	*-3.53*	
		For Galvanized, Add	*10.34*	
		For Aluminum, Add	*14.10*	
		For 304 Stainless Steel, Add	*56.40*	
		For 316 Stainless Steel, Add	*64.63*	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	39.64	12.11
		For Up To 2, Add	*11.16*	
		For >2 To 6, Add	*6.39*	
		For >15 To 40, Deduct	*-1.18*	
		For >40, Deduct	*-3.53*	
		For Galvanized, Add	*10.34*	
		For Aluminum, Add	*14.10*	
		For 304 Stainless Steel, Add	*56.40*	
		For 316 Stainless Steel, Add	*64.63*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0071		Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)* Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	11.02	3.97
		For Galvanized, Add	*2.52*	
		For Aluminum, Add	*3.44*	
		For 304 Stainless Steel, Add	*13.75*	
		For 316 Stainless Steel, Add	*15.76*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	13.89	4.34
		For Galvanized, Add	*3.56*	
		For Aluminum, Add	*4.86*	
		For 304 Stainless Steel, Add	*19.44*	
		For 316 Stainless Steel, Add	*22.28*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	7.93	3.06
		For Galvanized, Add	*1.69*	
		For Aluminum, Add	*2.31*	
		For 304 Stainless Steel, Add	*9.24*	
		For 316 Stainless Steel, Add	*10.59*	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	8.66	3.34
		For Galvanized, Add	*1.85*	
		For Aluminum, Add	*2.53*	
		For 304 Stainless Steel, Add	*10.10*	
		For 316 Stainless Steel, Add	*11.58*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	9.79	3.97
		For Galvanized, Add	*1.98*	
		For Aluminum, Add	*2.70*	
		For 304 Stainless Steel, Add	*10.80*	
		For 316 Stainless Steel, Add	*12.38*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	12.52	5.12
		For Galvanized, Add	*2.51*	
		For Aluminum, Add	*3.43*	
		For 304 Stainless Steel, Add	*13.70*	
		For 316 Stainless Steel, Add	*15.70*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	6.89	3.01
		For Galvanized, Add	*1.26*	
		For Aluminum, Add	*1.72*	
		For 304 Stainless Steel, Add	*6.89*	
		For 316 Stainless Steel, Add	*7.89*	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	7.73	3.22
		For Galvanized, Add	*1.50*	
		For Aluminum, Add	*2.05*	
		For 304 Stainless Steel, Add	*8.21*	
		For 316 Stainless Steel, Add	*9.41*	
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	8.84	3.62
		For Galvanized, Add	*1.76*	
		For Aluminum, Add	*2.40*	
		For 304 Stainless Steel, Add	*9.60*	
		For 316 Stainless Steel, Add	*11.00*	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF	13.91	6.00
		For Galvanized, Add	*2.60*	
		For Aluminum, Add	*3.55*	
		For 304 Stainless Steel, Add	*14.18*	
		For 316 Stainless Steel, Add	*16.25*	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	7.69	3.68
		For Galvanized, Add	*1.22*	
		For Aluminum, Add	*1.67*	
		For 304 Stainless Steel, Add	*6.67*	
		For 316 Stainless Steel, Add	*7.65*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	6.66	2.89
		For Galvanized, Add	*1.23*	
		For Aluminum, Add	*1.68*	
		For 304 Stainless Steel, Add	*6.72*	
		For 316 Stainless Steel, Add	*7.70*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	7.68	3.41
		For Galvanized, Add	*1.39*	
		For Aluminum, Add	*1.89*	
		For 304 Stainless Steel, Add	*7.56*	
		For 316 Stainless Steel, Add	*8.66*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	11.95	4.60
		For Galvanized, Add	*2.56*	
		For Aluminum, Add	*3.49*	
		For 304 Stainless Steel, Add	*13.94*	
		For 316 Stainless Steel, Add	*15.98*	

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05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*
Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	504.45	52.71
		For Galvanized, Add	*279.31*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	575.31	57.99
		For Galvanized, Add	*321.54*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	636.89	63.25
		For Galvanized, Add	*357.27*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	682.23	68.53
		For Galvanized, Add	*381.63*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings *(05 73)*

05 73 23 00-0001 Railings; Vertical Square Bars At 6" *(05 73 23)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	68.17	11.60
		For Rake Or Angle Railings, Add	*9.83*	
		For Curved Railings, Add	*17.09*	
		For 4" On Center Standards, Add	*1.61*	
		For 4-1/2" On Center Standards, Add	*1.29*	
		For 5" On Center Standards, Add	*0.86*	
		For 5-1/2" On Center Standards, Add	*0.43*	
		For Each Field Bending Of Rails, Add	*14.18*	
		For Galvanized, Add	*3.00*	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	180.07	15.81
		For Rake Or Angle Railings, Add	*19.21*	
		For Curved Railings, Add	*64.07*	
		For 4" On Center Standards, Add	*8.69*	
		For 4-1/2" On Center Standards, Add	*6.95*	
		For 5" On Center Standards, Add	*4.63*	
		For 5-1/2" On Center Standards, Add	*2.32*	
		For Each Field Bending Of Rails, Add	*18.57*	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	207.12	26.35
		For Rake Or Angle Railings, Add	*24.25*	
		For Curved Railings, Add	*67.66*	
		For 4" On Center Standards, Add	*8.58*	
		For 4-1/2" On Center Standards, Add	*6.86*	
		For 5" On Center Standards, Add	*4.57*	
		For 5-1/2" On Center Standards, Add	*2.29*	
		For Each Field Bending Of Rails, Add	*25.69*	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	291.70	21.09
		For Rake Or Angle Railings, Add	*29.01*	
		For Curved Railings, Add	*109.70*	
		For 4" On Center Standards, Add	*15.46*	
		For 4-1/2" On Center Standards, Add	*12.36*	
		For 5" On Center Standards, Add	*8.24*	
		For 5-1/2" On Center Standards, Add	*4.12*	
		For Each Field Bending Of Rails, Add	*23.91*	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	326.52	32.16
		For Rake Or Angle Railings, Add	*28.88*	
		For Curved Railings, Add	*132.89*	
		For 4" On Center Standards, Add	*19.67*	
		For 4-1/2" On Center Standards, Add	*15.73*	
		For 5" On Center Standards, Add	*10.49*	
		For 5-1/2" On Center Standards, Add	*5.24*	
		For Each Field Bending Of Rails, Add	*18.58*	

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports *(05 73 23)*

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	172.37	5.27
		For Rake Or Angle Railings, Add	*13.51*	
		For Curved Railings, Add	*75.02*	
		For 4" On Center Standards, Add	*11.52*	
		For 4-1/2" On Center Standards, Add	*9.22*	
		For 5" On Center Standards, Add	*6.15*	
		For 5-1/2" On Center Standards, Add	*3.07*	
		For Each Field Bending Of Rails, Add	*7.19*	

05 73 23 00-0009 Plain Handrails *(05 73 23)*

05 73 23 00-0010	LF	2" Brass Handrail	58.53	11.66
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	117.83	41.64
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	52.89	20.88
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	88.74	41.64
05 73 23 00-0014	LF	2" Stainless Steel Handrail	71.36	14.57

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73 23)*

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0382 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	10.79	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	10.75	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0018		Remove And Reinstall Ornamental Railing *(05 73 23)*		
05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	96.99	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*
Note: Includes field fabrication (bending) where noted.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*
Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	27.67	2.12
		For >16 To 200, Deduct	*-1.54*	
		For >200 To 500, Deduct	*-3.09*	
		For >500, Deduct	*-4.47*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	34.69	2.37
		For >16 To 200, Deduct	*-1.91*	
		For >200 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.56*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	37.99	2.55
		For >16 To 200, Deduct	*-2.09*	
		For >200 To 500, Deduct	*-4.18*	
		For >500, Deduct	*-6.08*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	41.07	2.68
		For >16 To 200, Deduct	*-2.25*	
		For >200 To 500, Deduct	*-4.51*	
		For >500, Deduct	*-6.56*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	46.96	2.80
		For >16 To 200, Deduct	*-2.56*	
		For >200 To 500, Deduct	*-5.12*	
		For >500, Deduct	*-7.47*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	59.79	2.94
		For >16 To 200, Deduct	*-3.21*	
		For >200 To 500, Deduct	*-6.42*	
		For >500, Deduct	*-9.41*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	70.24	3.07
		For >16 To 200, Deduct	*-3.74*	
		For >200 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-11.00*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	85.24	3.31
		For >16 To 200, Deduct	*-4.51*	
		For >200 To 500, Deduct	*-9.02*	
		For >500, Deduct	*-13.28*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	104.96	3.57
		For >16 To 200, Deduct	*-5.52*	
		For >200 To 500, Deduct	*-11.03*	
		For >500, Deduct	*-16.28*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	154.82	3.83
		For >16 To 200, Deduct	*-8.03*	
		For >200 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-23.80*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*
Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	13.10	2.34
		For >16 To 200, Deduct	*-0.83*	
		For >200 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.32*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.75	2.53
		For >16 To 200, Deduct	*-0.93*	
		For >200 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.59*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.99	2.65
		For >16 To 200, Deduct	*-1.00*	
		For >200 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.80*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.54	2.77
		For >16 To 200, Deduct	*-1.14*	
		For >200 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.20*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	21.02	2.90
		For >16 To 200, Deduct	*-1.27*	
		For >200 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.59*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	24.12	3.03
		For >16 To 200, Deduct	*-1.43*	
		For >200 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-4.07*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	34.21	3.54
		For >16 To 200, Deduct	*-1.98*	
		For >200 To 500, Deduct	*-3.95*	
		For >500, Deduct	*-5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	45.65	3.75
		For >16 To 200, Deduct	*-2.56*	
		For >200 To 500, Deduct	*-5.13*	
		For >500, Deduct	*-7.41*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	62.15	4.55
		For >16 To 200, Deduct	*-3.45*	
		For >200 To 500, Deduct	*-6.90*	
		For >500, Deduct	*-10.01*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	102.27	4.88
		For >16 To 200, Deduct	*-5.48*	
		For >200 To 500, Deduct	*-10.96*	
		For >500, Deduct	*-16.07*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	130.53	5.68
		For >16 To 200, Deduct	*-6.95*	
		For >200 To 500, Deduct	*-13.91*	
		For >500, Deduct	*-20.43*	
05 75 00 00-0025		**Aluminum Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	10.50	2.12
		For >16 To 200, Deduct	*-0.68*	
		For >200 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-1.89*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	11.94	2.37
		For >16 To 200, Deduct	*-0.77*	
		For >200 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.15*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	13.36	2.55
		For >16 To 200, Deduct	*-0.86*	
		For >200 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.39*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	14.87	2.68
		For >16 To 200, Deduct	*-0.94*	
		For >200 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.63*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	16.36	2.80
		For >16 To 200, Deduct	*-1.03*	
		For >200 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.88*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	18.00	2.94
		For >16 To 200, Deduct	*-1.12*	
		For >200 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.14*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	20.04	3.07
		For >16 To 200, Deduct	*-1.23*	
		For >200 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.47*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	23.87	3.57
		For >16 To 200, Deduct	*-1.46*	
		For >200 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-4.12*	
05 75 00 00-0034		**Galvanized Steel Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	9.01	2.12
		For >16 To 200, Deduct	*-0.61*	
		For >200 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.67*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	9.99	2.37
		For >16 To 200, Deduct	*-0.68*	
		For >200 To 500, Deduct	*-1.35*	
		For >500, Deduct	*-1.85*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.63	2.55
		For >16 To 200, Deduct	*-0.72*	
		For >200 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.98*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.29	2.68
		For >16 To 200, Deduct	*-0.77*	
		For >200 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.10*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.14	2.80
		For >16 To 200, Deduct	*-0.82*	
		For >200 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.24*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.06	2.94
		For >16 To 200, Deduct	*-0.87*	
		For >200 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.40*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.53	3.07
		For >16 To 200, Deduct	*-0.96*	
		For >200 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	16.65	3.31
		For >16 To 200, Deduct	*-1.08*	
		For >200 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.00*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	19.19	3.83
		For >16 To 200, Deduct	*-1.25*	
		For >200 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.45*	
05 75 00 00-0044		Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	12.41	2.01
		For >16 To 200, Deduct	*-0.82*	
		For >200 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.26*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	14.36	2.28
		For >16 To 200, Deduct	*-0.95*	
		For >200 To 500, Deduct	*-1.89*	
		For >500, Deduct	*-2.61*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	16.31	2.53
		For >16 To 200, Deduct	*-1.07*	
		For >200 To 500, Deduct	*-2.14*	
		For >500, Deduct	*-2.95*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	18.04	2.73
		For >16 To 200, Deduct	*-1.18*	
		For >200 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 10 Maintenance of Rough Carpentry *(06 01)*

06 01 10 91 Rough Carpenty Restoration *(06 01 10)*

06 01 10 91-0001 Roof Beam Restoration *(06 01 10 91)*

06 01 10 91-0002	EA	Up To 5, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	74.38
06 01 10 91-0003	EA	>5 To 25, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	64.02
06 01 10 91-0004	EA	>25, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	53.65

06 01 10 91-0005 Roof Beam Replacement *(06 01 10 91)*

Note: Includes cutting back the rafter beam back 18" and in a zig- zag Z splice cut for purpose of splicing on new end piece. Attached with glue and screwed on with lag screws counter sunk.

06 01 10 91-0006	EA	Up To 5, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	164.22
06 01 10 91-0007	EA	>5 To 25, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	153.85
06 01 10 91-0008	EA	>25, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	143.49
06 01 10 91-0009	EA	Up To 5, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	145.11
06 01 10 91-0010	EA	>5 To 25, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	134.74
06 01 10 91-0011	EA	>25, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	124.37

06 01 10 91-0012 Roof Beam Caps *(06 01 10 91)*

06 01 10 91-0013	EA	4" x 4" Stainless Steel Beam End Cap	31.66
		For Galvanized Steel, Deduct	*-2.59*
06 01 10 91-0014	EA	4" x 6" Stainless Steel Beam End Cap	47.33
		For Galvanized Steel, Deduct	*-4.55*
06 01 10 91-0015	EA	4" x 8" Stainless Steel Beam End Cap	61.00
		For Galvanized Steel, Deduct	*-5.92*
06 01 10 91-0016	EA	6" x 6" Stainless Steel Beam End Cap	55.30
		For Galvanized Steel, Deduct	*-5.21*
06 01 10 91-0017	EA	6" x 12" Stainless Steel Beam End Cap	69.44
		For Galvanized Steel, Deduct	*-6.63*

06 01 10 91-0018 Field Formed Beam Top/End Caps *(06 01 10 91)*

06 01 10 91-0019	SF	24 Gauge, Stainless Steel Field Formed Beam Top/End Cap Note: Includes forming and bending at edges and around end of exposed beam	14.21
06 01 10 91-0020	SF	24 Gauge, Galvanized Steel Field Formed Beam Top/End Cap Note: Includes forming and bending at edges and around end of exposed beam	11.11

06 01 10 91-0021 Historic Restoration For Retexturing Wood Beams *(06 01 10 91)*

06 01 10 91-0022	SF	Retexture Wood Beams To Match Original Historic Appearance Note: Includes: Retexturing wood surface of beams on (3) sides	37.21
06 01 10 91-0023	LF	Retexture 3" X 6" Wood Beams On (3) Sides To Match Original Historic Appearance	46.52

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	8.32

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	42.00
06 01 40 91-0003	EA	Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges	40.63

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt		16.99	
		For >10 To 50, Deduct		*-0.39*	
		For >50 To 100, Deduct		*-1.01*	
		For >100 To 250, Deduct		*-2.01*	
		For >250 To 500, Deduct		*-3.41*	
		For >500, Deduct		*-4.80*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt		24.68	
		For >10 To 50, Deduct		*-0.42*	
		For >50 To 100, Deduct		*-1.24*	
		For >100 To 250, Deduct		*-2.49*	
		For >250 To 500, Deduct		*-4.15*	
		For >500, Deduct		*-5.81*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt		27.71	
		For >10 To 50, Deduct		*-0.42*	
		For >50 To 100, Deduct		*-1.32*	
		For >100 To 250, Deduct		*-2.64*	
		For >250 To 500, Deduct		*-4.37*	
		For >500, Deduct		*-6.11*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt		60.50	
		For >10 To 50, Deduct		*-0.57*	
		For >50 To 100, Deduct		*-2.37*	
		For >100 To 250, Deduct		*-4.74*	
		For >250 To 500, Deduct		*-7.68*	
		For >500, Deduct		*-10.62*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)		6.90	3.25
		For >10 To 50, Deduct		*-0.31*	
		For >50 To 100, Deduct		*-0.64*	
		For >100 To 250, Deduct		*-1.28*	
		For >250 To 500, Deduct		*-2.22*	
		For >500, Deduct		*-3.17*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)		7.70	3.58
		For >10 To 50, Deduct		*-0.35*	
		For >50 To 100, Deduct		*-0.72*	
		For >100 To 250, Deduct		*-1.43*	
		For >250 To 500, Deduct		*-2.49*	
		For >500, Deduct		*-3.56*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)		6.99	3.25
		For >10 To 50, Deduct		*-0.31*	
		For >50 To 100, Deduct		*-0.64*	
		For >100 To 250, Deduct		*-1.28*	
		For >250 To 500, Deduct		*-2.23*	
		For >500, Deduct		*-3.18*	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)		7.67	3.47
		For >10 To 50, Deduct		*-0.33*	
		For >50 To 100, Deduct		*-0.69*	
		For >100 To 250, Deduct		*-1.38*	
		For >250 To 500, Deduct		*-2.39*	
		For >500, Deduct		*-3.41*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)		13.39	3.58
		For >10 To 50, Deduct		*-0.35*	
		For >50 To 100, Deduct		*-0.86*	
		For >100 To 250, Deduct		*-1.72*	
		For >250 To 500, Deduct		*-2.92*	
		For >500, Deduct		*-4.13*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)		12.04	3.58
		For >10 To 50, Deduct		*-0.35*	
		For >50 To 100, Deduct		*-0.82*	
		For >100 To 250, Deduct		*-1.65*	
		For >250 To 500, Deduct		*-2.82*	
		For >500, Deduct		*-3.99*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)		13.16	4.02
		For >10 To 50, Deduct		*-0.38*	
		For >50 To 100, Deduct		*-0.91*	
		For >100 To 250, Deduct		*-1.81*	
		For >250 To 500, Deduct		*-3.10*	
		For >500, Deduct		*-4.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	14.93	4.23
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-3.39*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0016		**Reinforcing Angle Wood Construction Connectors** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	7.71	3.04
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.25*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	9.56	3.25
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.58*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	10.90	3.36
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.80*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	12.13	3.47
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.87*	
		For >500, Deduct	*-4.06*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	8.44	3.04
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-3.32*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	9.31	3.25
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.56*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	10.84	3.36
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.80*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	12.90	3.47
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.14*	
06 05 23 00-0025		**Hold Down Anchors** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	56.12	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 250, Deduct	*-7.85*	
		For >250 To 500, Deduct	*-13.45*	
		For >500, Deduct	*-19.06*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	78.93	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-4.58*	
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-15.46*	
		For >500, Deduct	*-21.77*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	97.52	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-5.20*	
		For >100 To 250, Deduct	*-10.41*	
		For >250 To 500, Deduct	*-17.46*	
		For >500, Deduct	*-24.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	115.16	
		For >10 To 50, Deduct	*-2.06*	
		For >50 To 100, Deduct	*-5.97*	
		For >100 To 250, Deduct	*-11.94*	
		For >250 To 500, Deduct	*-19.97*	
		For >500, Deduct	*-28.00*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	186.95	
		For >10 To 50, Deduct	*-2.60*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-17.16*	
		For >250 To 500, Deduct	*-28.34*	
		For >500, Deduct	*-39.52*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	252.22	
		For >10 To 50, Deduct	*-2.71*	
		For >50 To 100, Deduct	*-10.37*	
		For >100 To 250, Deduct	*-20.75*	
		For >250 To 500, Deduct	*-33.83*	
		For >500, Deduct	*-46.91*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	66.23	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 250, Deduct	*-8.35*	
		For >250 To 500, Deduct	*-14.21*	
		For >500, Deduct	*-20.07*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	73.35	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-8.87*	
		For >250 To 500, Deduct	*-15.04*	
		For >500, Deduct	*-21.22*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	82.22	
		For >10 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-4.82*	
		For >100 To 250, Deduct	*-9.64*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.97*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	101.62	
		For >10 To 50, Deduct	*-2.06*	
		For >50 To 100, Deduct	*-5.63*	
		For >100 To 250, Deduct	*-11.26*	
		For >250 To 500, Deduct	*-18.95*	
		For >500, Deduct	*-26.65*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	130.90	
		For >10 To 50, Deduct	*-2.60*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 250, Deduct	*-14.35*	
		For >250 To 500, Deduct	*-24.13*	
		For >500, Deduct	*-33.91*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	146.34	
		For >10 To 50, Deduct	*-2.71*	
		For >50 To 100, Deduct	*-7.73*	
		For >100 To 250, Deduct	*-15.45*	
		For >250 To 500, Deduct	*-25.89*	
		For >500, Deduct	*-36.33*	

06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	7.36	3.04
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.22*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	8.20	3.25
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.42*	
		For >500, Deduct	*-3.45*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	11.57	3.36
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	12.60	3.47
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-4.11*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	19.37	3.68
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.87*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	23.12	3.80
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.80*	
		For >500, Deduct	*-5.32*	
06 05 23 00-0045		**Anchor And Ties** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4)	35.44	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5)	43.90	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	4.65	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	5.24	
06 05 23 00-0050		**Hurricane Ties** *(06 05 23)*		
06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	8.03	3.36
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.66*	
		For >500, Deduct	*-3.80*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	2.93	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.05	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	9.93	3.36
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.99*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	16.82	
06 05 23 00-0056		**Post Column Bases** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	33.05	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	50.30	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	51.78	
06 05 23 00-0060		**Post Column Caps** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	17.17	3.80
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.58*	
		For >500, Deduct	*-5.06*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	38.01	3.80
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.22*	
		For >250 To 500, Deduct	*-5.27*	
		For >500, Deduct	*-7.33*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	189.97	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-12.75*	
		For >250 To 500, Deduct	*-20.21*	
		For >500, Deduct	*-27.67*	
		For Hot Dipped Galvanized, Add	*75.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	198.63	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-13.59*	
		For >250 To 500, Deduct	*-21.61*	
		For >500, Deduct	*-29.62*	
		For Hot Dipped Galvanized, Add	*78.40*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44) Note: Excludes field welding	122.55	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-4.69*	
		For >100 To 250, Deduct	*-9.38*	
		For >250 To 500, Deduct	*-15.16*	
		For >500, Deduct	*-20.93*	
		For Hot Dipped Galvanized, Add	*45.39*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	194.53	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 250, Deduct	*-13.39*	
		For >250 To 500, Deduct	*-21.30*	
		For >500, Deduct	*-29.21*	
		For Hot Dipped Galvanized, Add	*76.56*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48) Note: Excludes field welding	203.38	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-21.96*	
		For >500, Deduct	*-30.10*	
		For Hot Dipped Galvanized, Add	*80.54*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	207.84	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-6.95*	
		For >100 To 250, Deduct	*-13.89*	
		For >250 To 500, Deduct	*-22.00*	
		For >500, Deduct	*-30.11*	
		For Hot Dipped Galvanized, Add	*83.03*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	210.01	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-14.32*	
		For >250 To 500, Deduct	*-22.76*	
		For >500, Deduct	*-31.20*	
		For Hot Dipped Galvanized, Add	*83.03*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	210.01	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-14.32*	
		For >250 To 500, Deduct	*-22.76*	
		For >500, Deduct	*-31.20*	
		For Hot Dipped Galvanized, Add	*83.03*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	242.57	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-15.63*	
		For >250 To 500, Deduct	*-24.61*	
		For >500, Deduct	*-33.59*	
		For Hot Dipped Galvanized, Add	*98.66*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	244.74	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-16.06*	
		For >250 To 500, Deduct	*-25.37*	
		For >500, Deduct	*-34.67*	
		For Hot Dipped Galvanized, Add	*98.66*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	244.74	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-16.06*	
		For >250 To 500, Deduct	*-25.37*	
		For >500, Deduct	*-34.67*	
		For Hot Dipped Galvanized, Add	*98.66*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	296.36	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-9.16*	
		For >100 To 250, Deduct	*-18.32*	
		For >250 To 500, Deduct	*-28.64*	
		For >500, Deduct	*-38.96*	
		For Hot Dipped Galvanized, Add	*122.87*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	298.53	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-9.38*	
		For >100 To 250, Deduct	*-18.75*	
		For >250 To 500, Deduct	*-29.40*	
		For >500, Deduct	*-40.05*	
		For Hot Dipped Galvanized, Add	*122.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	298.53	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-9.38*	
		For >100 To 250, Deduct	*-18.75*	
		For >250 To 500, Deduct	*-29.40*	
		For >500, Deduct	*-40.05*	
		For Hot Dipped Galvanized, Add	*122.87*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4)	189.97	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-12.75*	
		For >250 To 500, Deduct	*-20.21*	
		For >500, Deduct	*-27.67*	
		For Hot Dipped Galvanized, Add	*75.73*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	198.63	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-13.59*	
		For >250 To 500, Deduct	*-21.61*	
		For >500, Deduct	*-29.62*	
		For Hot Dipped Galvanized, Add	*78.40*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44)	122.55	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-4.69*	
		For >100 To 250, Deduct	*-9.38*	
		For >250 To 500, Deduct	*-15.16*	
		For >500, Deduct	*-20.93*	
		For Hot Dipped Galvanized, Add	*45.39*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	194.53	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 250, Deduct	*-13.39*	
		For >250 To 500, Deduct	*-21.30*	
		For >500, Deduct	*-29.21*	
		For Hot Dipped Galvanized, Add	*76.56*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48)	203.38	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-21.96*	
		For >500, Deduct	*-30.10*	
		For Hot Dipped Galvanized, Add	*80.54*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	207.84	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-6.95*	
		For >100 To 250, Deduct	*-13.89*	
		For >250 To 500, Deduct	*-22.00*	
		For >500, Deduct	*-30.11*	
		For Hot Dipped Galvanized, Add	*83.03*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	210.01	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-14.32*	
		For >250 To 500, Deduct	*-22.76*	
		For >500, Deduct	*-31.20*	
		For Hot Dipped Galvanized, Add	*83.03*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	210.01	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-14.32*	
		For >250 To 500, Deduct	*-22.76*	
		For >500, Deduct	*-31.20*	
		For Hot Dipped Galvanized, Add	*83.03*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	242.57	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-15.63*	
		For >250 To 500, Deduct	*-24.61*	
		For >500, Deduct	*-33.59*	
		For Hot Dipped Galvanized, Add	*98.66*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	244.74	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-16.06*	
		For >250 To 500, Deduct	*-25.37*	
		For >500, Deduct	*-34.67*	
		For Hot Dipped Galvanized, Add	*98.66*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	244.74	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-16.06*	
		For >250 To 500, Deduct	*-25.37*	
		For >500, Deduct	*-34.67*	
		For Hot Dipped Galvanized, Add	*98.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	296.36	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-9.16*	
		For >100 To 250, Deduct	*-18.32*	
		For >250 To 500, Deduct	*-28.64*	
		For >500, Deduct	*-38.96*	
		For Hot Dipped Galvanized, Add	*122.87*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	298.53	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-9.38*	
		For >100 To 250, Deduct	*-18.75*	
		For >250 To 500, Deduct	*-29.40*	
		For >500, Deduct	*-40.05*	
		For Hot Dipped Galvanized, Add	*122.87*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	298.53	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-9.38*	
		For >100 To 250, Deduct	*-18.75*	
		For >250 To 500, Deduct	*-29.40*	
		For >500, Deduct	*-40.05*	
		For Hot Dipped Galvanized, Add	*122.87*	
06 05 23 00-0091		**Rafter Connectors** *(06 05 23)*		
06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	9.64	3.36
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.78*	
		For >500, Deduct	*-3.96*	
06 05 23 00-0093		**Bolts And Fasteners** *(06 05 23)*		
06 05 23 00-0094		**Carriage Bolts** *(06 05 23 00-0093)*		
		Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095		**Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts** *(06 05 23 00-0094)*		
06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.54	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.97*	
		For >500, Deduct	*-7.09*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.74	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.85*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-7.11*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.86	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.99*	
		For >500, Deduct	*-7.13*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.38	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 250, Deduct	*-3.31*	
		For >250 To 500, Deduct	*-5.78*	
		For >500, Deduct	*-8.25*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.14	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-5.39*	
		For >500, Deduct	*-7.69*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.55	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.79*	
		For >500, Deduct	*-8.26*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.86	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-5.81*	
		For >500, Deduct	*-8.29*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.34	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-6.97*	
		For >500, Deduct	*-9.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.36	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-10.58*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.46	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-8.25*	
		For >500, Deduct	*-11.75*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.21	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.84*	
		For >500, Deduct	*-8.33*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.11	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.96*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.44	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.84*	
		For >250 To 500, Deduct	*-6.68*	
		For >500, Deduct	*-9.52*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.06	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-7.47*	
		For >500, Deduct	*-10.65*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.40	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-5.00*	
		For >250 To 500, Deduct	*-8.69*	
		For >500, Deduct	*-12.38*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.03	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-9.56*	
		For >500, Deduct	*-13.62*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.71	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.38*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.05	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.77*	
		For >500, Deduct	*-11.05*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.87	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.27*	
		For >250 To 500, Deduct	*-9.10*	
		For >500, Deduct	*-12.93*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.65	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 500, Deduct	*-9.76*	
		For >500, Deduct	*-13.85*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	41.95	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-10.60*	
		For >500, Deduct	*-15.04*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.62	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-6.36*	
		For >250 To 500, Deduct	*-10.95*	
		For >500, Deduct	*-15.54*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0118		Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*		
06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.89	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.99*	
		For >500, Deduct	*-7.13*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.25	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-5.02*	
		For >500, Deduct	*-7.17*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.66	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-5.05*	
		For >500, Deduct	*-7.21*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.73	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.88*	
		For >500, Deduct	*-8.38*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.63	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-5.42*	
		For >500, Deduct	*-7.74*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.31	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.36*	
		For >250 To 500, Deduct	*-5.85*	
		For >500, Deduct	*-8.34*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.76	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.88*	
		For >500, Deduct	*-8.38*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.70	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-10.08*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.89	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.53*	
		For >500, Deduct	*-10.73*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.87	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 500, Deduct	*-8.35*	
		For >500, Deduct	*-11.90*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.35	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.93*	
		For >500, Deduct	*-8.44*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.01	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.35*	
		For >500, Deduct	*-9.05*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.51	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.89*	
		For >250 To 500, Deduct	*-6.76*	
		For >500, Deduct	*-9.62*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.60	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-10.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.90	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.07*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-12.53*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.19	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 500, Deduct	*-9.65*	
		For >500, Deduct	*-13.73*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.13	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.72*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.44	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.61*	
		For >250 To 500, Deduct	*-7.95*	
		For >500, Deduct	*-11.29*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.56	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.36*	
		For >250 To 500, Deduct	*-9.23*	
		For >500, Deduct	*-13.10*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.52	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-5.67*	
		For >250 To 500, Deduct	*-9.75*	
		For >500, Deduct	*-13.83*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	44.16	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-10.77*	
		For >500, Deduct	*-15.26*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	47.22	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-11.30*	
		For >500, Deduct	*-16.00*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	16.03	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-5.08*	
		For >500, Deduct	*-7.24*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.15	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-5.24*	
		For >500, Deduct	*-7.46*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.53	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 500, Deduct	*-5.34*	
		For >500, Deduct	*-7.59*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	36.61	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.27*	
		For >250 To 500, Deduct	*-7.22*	
		For >500, Deduct	*-10.17*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.07	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-5.60*	
		For >500, Deduct	*-7.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.23	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.83*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.89	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.90*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	49.22	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.06*	
		For >500, Deduct	*-12.73*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	61.32	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-10.27*	
		For >500, Deduct	*-14.38*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	68.84	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-6.86*	
		For >250 To 500, Deduct	*-11.42*	
		For >500, Deduct	*-15.99*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.70	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.40*	
		For >500, Deduct	*-9.08*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	29.74	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-7.00*	
		For >500, Deduct	*-9.92*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	37.24	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 500, Deduct	*-7.86*	
		For >500, Deduct	*-11.10*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	63.27	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-6.26*	
		For >250 To 500, Deduct	*-10.41*	
		For >500, Deduct	*-14.57*	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	71.19	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-7.14*	
		For >250 To 500, Deduct	*-11.90*	
		For >500, Deduct	*-16.66*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	117.09	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-9.76*	
		For >250 To 500, Deduct	*-15.94*	
		For >500, Deduct	*-22.12*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	90.75	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 250, Deduct	*-7.63*	
		For >250 To 500, Deduct	*-12.47*	
		For >500, Deduct	*-17.32*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	130.98	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-5.06*	
		For >100 To 250, Deduct	*-10.13*	
		For >250 To 500, Deduct	*-16.39*	
		For >500, Deduct	*-22.64*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	145.84	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-11.03*	
		For >250 To 500, Deduct	*-17.80*	
		For >500, Deduct	*-24.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	219.78	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-7.53*	
		For >100 To 250, Deduct	*-15.06*	
		For >250 To 500, Deduct	*-23.94*	
		For >500, Deduct	*-32.82*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	231.34	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 250, Deduct	*-15.80*	
		For >250 To 500, Deduct	*-25.11*	
		For >500, Deduct	*-34.41*	
06 05 23 00-0163		316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*		
06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	25.81	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.81*	
		For >500, Deduct	*-8.22*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	29.52	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.59*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	31.86	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.26*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	38.11	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.35*	
		For >250 To 500, Deduct	*-7.33*	
		For >500, Deduct	*-10.32*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	54.63	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.57*	
		For >500, Deduct	*-11.97*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	59.73	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-9.25*	
		For >500, Deduct	*-12.92*	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	64.49	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-9.91*	
		For >500, Deduct	*-13.82*	
06 05 23 00-0171		Hex Lag Bolts *(06 05 23 00-0093)*		
		Note: Includes drilling of holes in any material.		
06 05 23 00-0172		Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*		
06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	13.83	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.77*	
		For >500, Deduct	*-6.81*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	14.00	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.82*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	14.34	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 500, Deduct	*-4.80*	
		For >500, Deduct	*-6.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	15.29	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-5.21*	
		For >500, Deduct	*-7.44*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	16.67	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 250, Deduct	*-3.21*	
		For >250 To 500, Deduct	*-5.60*	
		For >500, Deduct	*-8.00*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	17.05	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-5.63*	
		For >500, Deduct	*-8.04*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	20.99	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.70*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	22.26	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-7.18*	
		For >500, Deduct	*-10.25*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.04	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.66*	
		For >500, Deduct	*-8.08*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	18.64	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.48*	
		For >250 To 500, Deduct	*-6.08*	
		For >500, Deduct	*-8.67*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	20.41	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.50*	
		For >500, Deduct	*-9.27*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	23.34	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.31*	
		For >500, Deduct	*-10.41*	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	27.63	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-8.51*	
		For >500, Deduct	*-12.12*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	30.15	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-9.28*	
		For >500, Deduct	*-13.22*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	25.63	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.31*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.64*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	30.80	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-5.05*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.44*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	34.46	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.31*	
		For >500, Deduct	*-13.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	38.98	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.94*	
		For >250 To 500, Deduct	*-10.23*	
		For >500, Deduct	*-14.53*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	44.23	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-6.36*	
		For >250 To 500, Deduct	*-10.92*	
		For >500, Deduct	*-15.48*	
06 05 23 00-0192		Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*		
06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	13.91	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.77*	
		For >500, Deduct	*-6.82*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.17	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.79*	
		For >500, Deduct	*-6.84*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.44	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.81*	
		For >500, Deduct	*-6.87*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	15.44	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.99*	
		For >250 To 500, Deduct	*-5.22*	
		For >500, Deduct	*-7.46*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	16.90	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.22*	
		For >250 To 500, Deduct	*-5.62*	
		For >500, Deduct	*-8.02*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.32	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.65*	
		For >500, Deduct	*-8.06*	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.50	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.84*	
		For >500, Deduct	*-9.75*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.12	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-7.25*	
		For >500, Deduct	*-10.33*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.42	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.26*	
		For >250 To 500, Deduct	*-5.69*	
		For >500, Deduct	*-8.12*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.86	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.49*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.69*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.79	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.53*	
		For >500, Deduct	*-9.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	24.50	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.39*	
		For >500, Deduct	*-10.53*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.19	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.92*	
		For >250 To 500, Deduct	*-8.55*	
		For >500, Deduct	*-12.18*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.53	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.40*	
		For >250 To 500, Deduct	*-9.38*	
		For >500, Deduct	*-13.36*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.49	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.35*	
		For >250 To 500, Deduct	*-7.54*	
		For >500, Deduct	*-10.73*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.58	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-12.52*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	35.76	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-13.36*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	42.04	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 250, Deduct	*-6.09*	
		For >250 To 500, Deduct	*-10.46*	
		For >500, Deduct	*-14.84*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	47.52	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-6.52*	
		For >250 To 500, Deduct	*-11.17*	
		For >500, Deduct	*-15.81*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.89	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.85*	
		For >500, Deduct	*-6.91*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	15.88	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-4.92*	
		For >500, Deduct	*-7.01*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.58	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-5.12*	
		For >500, Deduct	*-7.28*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.18	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 250, Deduct	*-3.13*	
		For >250 To 500, Deduct	*-5.43*	
		For >500, Deduct	*-7.73*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.73	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.91*	
		For >500, Deduct	*-8.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.45	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.04*	
		For >500, Deduct	*-8.58*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	49.61	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.33*	
		For >250 To 500, Deduct	*-8.95*	
		For >500, Deduct	*-12.56*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	71.66	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-10.89*	
		For >500, Deduct	*-15.19*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.63	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.52*	
		For >250 To 500, Deduct	*-6.08*	
		For >500, Deduct	*-8.64*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	27.28	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-9.53*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	34.56	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 500, Deduct	*-7.56*	
		For >500, Deduct	*-10.68*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	76.67	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-6.86*	
		For >250 To 500, Deduct	*-11.31*	
		For >500, Deduct	*-15.75*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	105.58	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 250, Deduct	*-8.79*	
		For >250 To 500, Deduct	*-14.35*	
		For >500, Deduct	*-19.92*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	123.85	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 250, Deduct	*-10.02*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.59*	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	115.91	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 250, Deduct	*-8.83*	
		For >250 To 500, Deduct	*-14.25*	
		For >500, Deduct	*-19.67*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	132.41	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-5.07*	
		For >100 To 250, Deduct	*-10.13*	
		For >250 To 500, Deduct	*-16.37*	
		For >500, Deduct	*-22.60*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	137.74	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-5.28*	
		For >100 To 250, Deduct	*-10.55*	
		For >250 To 500, Deduct	*-17.05*	
		For >500, Deduct	*-23.55*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	193.00	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 250, Deduct	*-13.64*	
		For >250 To 500, Deduct	*-21.78*	
		For >500, Deduct	*-29.93*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	211.00	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 250, Deduct	*-14.70*	
		For >250 To 500, Deduct	*-23.43*	
		For >500, Deduct	*-32.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.15	
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.19	
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.25	
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	2.43	

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	1.98	
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.03	
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.07	
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.22	
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.02	
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.06	
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.11	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	2.30	

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	37.84	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-5.27*	
		For >250 To 500, Deduct	*-9.02*	
		For >500, Deduct	*-12.78*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	42.84	
		For >10 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-10.14*	
		For >500, Deduct	*-14.36*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	46.38	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-10.85*	
		For >500, Deduct	*-15.36*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	52.16	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-6.86*	
		For >250 To 500, Deduct	*-11.71*	
		For >500, Deduct	*-16.56*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	55.60	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-7.26*	
		For >250 To 500, Deduct	*-12.39*	
		For >500, Deduct	*-17.51*	
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	57.68	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-12.90*	
		For >500, Deduct	*-18.24*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	52.09	
		For >10 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-6.63*	
		For >250 To 500, Deduct	*-11.28*	
		For >500, Deduct	*-15.93*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	54.54	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 250, Deduct	*-6.91*	
		For >250 To 500, Deduct	*-11.77*	
		For >500, Deduct	*-16.62*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	60.83	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-7.48*	
		For >250 To 500, Deduct	*-12.69*	
		For >500, Deduct	*-17.91*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	65.50	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.97*	
		For >100 To 250, Deduct	*-7.94*	
		For >250 To 500, Deduct	*-13.46*	
		For >500, Deduct	*-18.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	70.61	
		For >10 To 50, Deduct	*-1.63*	
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-8.42*	
		For >250 To 500, Deduct	*-14.26*	
		For >500, Deduct	*-20.11*	
06 05 23 00-0258		**Supports** *(06 05 23)*		
06 05 23 00-0259		**Shear Plates** *(06 05 23 00-0258)*		
06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	16.15	4.02
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-3.70*	
		For >500, Deduct	*-5.23*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	15.39	4.23
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.75*	
		For >500, Deduct	*-5.31*	
06 05 23 00-0262		**Sill Anchors** *(06 05 23 00-0258)*		
06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	13.46	4.23
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.60*	
		For >500, Deduct	*-5.12*	
06 05 23 00-0264		**Spike Grids** *(06 05 23 00-0258)*		
06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	11.87	4.02
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.38*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0266		**Split Rings** *(06 05 23 00-0258)*		
06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	16.39	4.02
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.72*	
		For >500, Deduct	*-5.26*	
06 05 23 00-0268	EA	4" Diameter Split Ring	17.60	4.45
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.03*	
		For >500, Deduct	*-5.70*	
06 05 23 00-0269		**Toothed Rings** *(06 05 23 00-0258)*		
06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	12.72	4.02
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.89*	
06 05 23 00-0271		**Straps And Shields** *(06 05 23)*		
06 05 23 00-0272		**Shield Plate** *(06 05 23 00-0271)*		
06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	8.60	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.48*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	13.75	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0275		Strap Ties *(06 05 23 00-0271)*		
06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.24	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.82*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.33	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.83*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	4.26	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.05*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	4.43	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.07*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	4.61	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.08*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	5.29	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.28*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	6.92	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.44*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	8.03	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.68*	
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	3.61	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.86*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	3.74	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	4.77	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.10*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	4.99	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.09	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.13*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	5.80	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	7.26	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	8.04	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.68*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	12.79	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.28*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.29	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.93*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.30	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.93*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	5.23	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.15*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	7.26	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.23	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	6.89	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.19*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.05	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.53*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	13.51	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.42*	
		For >500, Deduct	*-2.10*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	16.85	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.56*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	25.01	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.42*	
		For >500, Deduct	*-3.50*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	43.71	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-3.89*	
		For >500, Deduct	*-5.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	56.40	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 500, Deduct	*-4.91*	
		For >500, Deduct	*-6.89*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	16.15	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.36*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	20.88	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.96*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	24.39	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.44*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	37.23	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.85*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	3.82	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.88*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	4.82	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	5.56	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.18*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	6.02	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.29*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	3.77	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	4.90	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.05*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	5.70	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.19*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.07	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	8.36	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.58*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	6.39	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	7.65	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.45*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	8.90	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.64*	
06 05 23 00-0322		**Retrofit Plate Strap** *(06 05 23 00-0271)*		
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	6.38	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.26*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	7.33	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.36*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	8.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.51*	
06 05 23 00-0326		**Stud Shoe** *(06 05 23 00-0271)*		
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	11.00	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.85*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	22.01	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.95*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	22.11	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-2.96*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	29.77	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.72*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	27.95	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.54*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	30.31	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.78*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)		32.11	
		For >10 To 50, Deduct		*-0.08*	
		For >50 To 100, Deduct		*-0.88*	
		For >100 To 250, Deduct		*-1.77*	
		For >250 To 500, Deduct		*-2.81*	
		For >500, Deduct		*-3.96*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)		48.72	
		For >10 To 50, Deduct		*-0.08*	
		For >50 To 100, Deduct		*-1.30*	
		For >100 To 250, Deduct		*-2.60*	
		For >250 To 500, Deduct		*-4.06*	
		For >500, Deduct		*-5.62*	
06 05 23 00-0335		Nail Stops *(06 05 23 00-0271)*			
06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)		2.96	
		For >10 To 50, Deduct		*-0.05*	
		For >50 To 100, Deduct		*-0.13*	
		For >100 To 250, Deduct		*-0.26*	
		For >250 To 500, Deduct		*-0.49*	
		For >500, Deduct		*-0.79*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)		3.12	
		For >10 To 50, Deduct		*-0.05*	
		For >50 To 100, Deduct		*-0.13*	
		For >100 To 250, Deduct		*-0.26*	
		For >250 To 500, Deduct		*-0.50*	
		For >500, Deduct		*-0.81*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber		771.52	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber		122.88	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist		4.36	1.86
		For Each Additional 2" x_" In The Built Up Member, Add		*0.76*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist		5.42	2.19
		For Each Additional 2" x_" In The Built Up Member, Add		*1.07*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist		6.91	2.62
		For Each Additional 2" x_" In The Built Up Member, Add		*1.49*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post		4.36	1.86
		For Each Additional 2" x_" In The Built Up Member, Add		*0.76*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post		5.42	2.19
		For Each Additional 2" x_" In The Built Up Member, Add		*1.07*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post		6.91	2.62
		For Each Additional 2" x_" In The Built Up Member, Add		*1.49*	

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter		2.51	1.31
06 11 16 00-0004	LF	2" x 8" Wood Rafter		2.93	1.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0005	LF	2" x 10" Wood Rafter	4.22	2.07
06 11 16 00-0006	LF	2" x 12" Wood Rafter	4.86	2.30
06 11 16 00-0007	LF	2" x 14" Wood Rafter	5.28	2.51
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	2.82	1.31
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	3.36	1.42
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	4.59	2.07
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	5.48	2.30
06 11 16 00-0012		**Joists** *(06 11 16 00-0001)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.18	1.10
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	2.71	1.20
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	3.46	1.54
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	4.10	1.75
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	4.51	1.86
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.49	1.10
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.14	1.20
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	3.83	1.54
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	4.72	1.75
06 11 16 00-0022		**Purlins** *(06 11 16 00-0001)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF	2" x 4" Wood Purlin	1.76	0.66
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.20	0.72
06 11 16 00-0025	LF	2" x 8" Wood Purlin	2.66	0.79
06 11 16 00-0026	LF	2" x 10" Wood Purlin	3.24	0.87
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	1.95	0.66
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.51	0.72
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.09	0.79
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	3.61	0.87
06 11 16 00-0031		**Exposed Rafters Or Joists** *(06 11 16 00-0001)*		
06 11 16 00-0032		**Redwood Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.28	1.10
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.00	1.20
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	4.99	1.54
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	6.04	1.75
06 11 16 00-0037		**Cedar Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.18	1.10
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	2.45	1.20
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	2.83	1.54
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	3.21	1.75
06 11 16 00-0042		**Oak Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	2.64	1.10
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	3.60	1.20
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	4.67	1.54
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	5.74	1.75
06 11 16 00-0047		**Framing** *(06 11 16)*		
06 11 16 00-0048		**Partition Framing** *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.71	0.87
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.07	0.93
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.43	0.99
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	1.90	0.87
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.38	0.93
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	2.86	0.99
06 11 16 00-0055		**Wall Framing Assemblies By The SF** *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.21	1.06
		For Up To 200, Add	*0.75*	
		For >200 To 500, Add	*0.38*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	2.97	1.35
		For Up To 200, Add	*0.99*	
		For >200 To 500, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	3.96	1.81
		For Up To 200, Add	*1.32*	
		For >200 To 500, Add	*0.66*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	1.80	0.85
		For Up To 200, Add	*0.61*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	2.47	1.13
		For Up To 200, Add	*0.83*	
		For >200 To 500, Add	*0.41*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	3.30	1.50
		For Up To 200, Add	*1.11*	
		For >200 To 500, Add	*0.55*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.42	0.67
		For Up To 200, Add	*0.48*	
		For >200 To 500, Add	*0.24*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	1.94	0.87
		For Up To 200, Add	*0.65*	
		For >200 To 500, Add	*0.32*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	2.59	1.17
		For Up To 200, Add	*0.87*	
		For >200 To 500, Add	*0.43*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	2.91	1.64
06 11 16 00-0071	LF	2" x 6" Wood Sill	3.49	1.86
06 11 16 00-0072	LF	2" x 8" Wood Sill	4.15	2.07
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	3.10	1.64
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	3.80	1.86
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	4.58	2.07
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	2.91	1.64
06 11 16 00-0078	LF	2" x 6" Wood Plate	3.49	1.86
06 11 16 00-0079	LF	2" x 8" Wood Plate	4.13	2.07
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.10	1.64
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	3.80	1.86
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	4.56	2.07
06 11 16 00-0083		**Sills And Plates From Redwood** *(06 11 16 00-0068)*		
06 11 16 00-0084		**Construction Grade/Rough** *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	5.98	1.86
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	8.05	2.07
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	9.79	2.30
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	11.82	2.51
06 11 16 00-0089		**Con Heart/Smooth** *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	7.36	1.86
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	10.12	2.07
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	13.31	2.30
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	16.01	2.51
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	2.39	1.42
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	2.61	1.54
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing	2.74	1.64
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing	2.82	1.64
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing	3.35	1.86
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.57	1.42
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	2.62	1.54
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	2.86	1.64
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.99	1.64
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.49	1.86
06 11 16 00-0105		**Posts And Girts** *(06 11 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0106		**Posts** *(06 11 16 00-0105)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0107	LF	4" x 4" Wood Post	4.23	2.07
06 11 16 00-0108	LF	4" x 5" Wood Post	4.83	2.41
06 11 16 00-0109	LF	4" x 6" Wood Post	5.32	2.62
06 11 16 00-0110	LF	6" x 6" Wood Post	5.92	2.85
06 11 16 00-0111	LF	8" x 8" Wood Post	6.51	2.95
06 11 16 00-0112	LF	10" x 10" Wood Post	7.11	3.39
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post	5.52	2.07
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post	6.34	2.62
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post	7.72	2.62
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post	10.71	2.85
06 11 16 00-0117		**Girts** *(06 11 16 00-0105)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF	2" x 4" Wood Girt	2.03	0.78
06 11 16 00-0119	LF	2" x 6" Wood Girt	2.49	0.86
06 11 16 00-0120	LF	2" x 8" Wood Girt	2.97	0.96
06 11 16 00-0121	LF	2" x 10" Wood Girt	3.58	1.05
06 11 16 00-0122	LF	4" x 4" Wood Girt	4.10	1.58
06 11 16 00-0123	LF	4" x 5" Wood Girt	4.70	1.77
06 11 16 00-0124	LF	4" x 6" Wood Girt	5.29	1.97
06 11 16 00-0125	LF	6" x 6" Wood Girt	5.89	2.17
06 11 16 00-0126	LF	8" x 8" Wood Girt	6.49	2.36
06 11 16 00-0127	LF	10" x 10" Wood Girt	7.09	2.57
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt	2.22	0.78
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt	2.80	0.86
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt	3.40	0.96
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt	3.95	1.05
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt	5.52	1.58
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt	6.34	1.97
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt	7.72	1.97
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt	10.71	2.17
06 11 16 00-0136		**Construction Grade/Rough Redwood Posts** *(06 11 16 00-0105)*		
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post	9.42	2.07
		For Smooth "Clear", Add	*1.26*	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post	11.38	2.41
		For Smooth "Clear", Add	*1.57*	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post	13.36	2.62
		For Smooth "Clear", Add	*1.89*	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post	16.68	2.70
		For Smooth "Clear", Add	*2.52*	
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post	20.07	2.88
		For Smooth "Clear", Add	*3.14*	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post	18.48	2.85
		For Smooth "Clear", Add	*2.83*	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post	23.35	2.95
		For Smooth "Clear", Add	*3.77*	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post	28.20	2.77
		For Smooth "Clear", Add	*4.72*	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post	29.88	2.95
		For Smooth "Clear", Add	*5.03*	
06 11 16 00-0146		**Stair Stringers** *(06 11 16)*		
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer	8.02	4.37
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer	9.48	5.13
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer	8.42	4.37
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer	10.08	5.13
06 11 16 00-0151		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0152		**Blocking** *(06 11 16 00-0151)*		
06 11 16 00-0153		**Blocking To Wood** *(06 11 16 00-0152)*		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood	6.17	2.63
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood	7.32	2.89
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood	8.35	3.17
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood	9.66	3.50
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood	11.66	3.84
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood	5.70	2.63
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood	6.54	2.89
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood	7.43	3.17
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood	8.08	3.50
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood	9.08	3.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0164		**Blocking To Steel** *(06 11 16 00-0152)*		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel	7.07	3.02
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel	8.34	3.33
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel	9.51	3.66
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	6.55	3.02
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	7.47	3.33
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	8.50	3.66
06 11 16 00-0171		**Blocking To Concrete** *(06 11 16 00-0152)*		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	7.07	3.02
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	8.34	3.33
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	9.51	3.66
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	6.55	3.02
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	7.47	3.33
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	8.50	3.66
06 11 16 00-0178		**Pressure Treated Lattice** *(06 11 16 00-0151)*		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	6.42	2.30
06 11 16 00-0180		**Sleepers** *(06 11 16 00-0151)*		
06 11 16 00-0181		**Sleepers To Wood** *(06 11 16 00-0180)*		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.14	0.39
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.19	0.44
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.42	0.49
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.13	0.60
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	2.85	0.66
06 11 16 00-0187		**Sleepers To Concrete** *(06 11 16 00-0180)*		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.18	0.39
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.23	0.44
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.47	0.49
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.23	0.60
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.01	0.66
06 11 16 00-0193		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.15	0.87
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	3.69	0.93
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	4.23	0.99
06 11 16 00-0197		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.46	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	3.97	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	5.76	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	8.57	
06 11 16 00-0202		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0203		**Wood And Steel Bridging** *(06 11 16 00-0202)*		
06 11 16 00-0204		**Wood Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	8.81	3.83
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	9.06	3.83
06 11 16 00-0207		**Steel Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	11.38	3.83
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	11.34	3.83
06 11 16 00-0210		**Light Framing, Trim And Furring** *(06 11 16 00-0202)*		
06 11 16 00-0211		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.93	0.89
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.17	0.99
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.50	1.08
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.78	1.19
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.08	1.31
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.41	1.44
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.79	1.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.12	1.31
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.65	1.44
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	4.24	1.59
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.98	1.75
06 11 16 00-0223		Cedar Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	1.96	0.89
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.30	0.99
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	2.98	1.08
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	3.60	1.19
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	5.25	1.31
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	6.18	1.44
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.10	1.19
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	3.58	1.31
06 11 16 00-0232		Oak Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	1.96	0.89
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	2.32	0.99
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	2.86	1.08
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	3.42	1.19
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	4.01	1.31
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	4.62	1.44
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.07	1.19
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	4.01	1.31
06 11 16 00-0241		Redwood Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	1.91	0.89
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.22	0.99
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	2.70	1.08
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	3.21	1.19
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	3.79	1.31
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	4.43	1.44
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	3.23	1.19
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	3.81	1.31
06 11 16 00-0250		Poplar Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.20	0.89
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	2.68	0.99
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	3.34	1.08
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	4.21	1.19
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	4.88	1.31
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	6.39	1.44
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	6.89	1.44
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	5.46	1.19
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	6.12	1.31
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	8.13	1.44
06 11 16 00-0261		Maple Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	4.12	1.08
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	5.42	1.19
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	6.76	1.31

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	5.95	1.94
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	7.16	2.02
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	8.35	2.10
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	10.77	2.24
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	12.76	2.38
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	8.99	2.19
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	10.74	2.30
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	14.36	2.46
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	17.02	2.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	13.04	2.38
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	17.50	2.46
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	21.10	2.51
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	20.85	2.51
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	25.45	2.73
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	29.98	3.01
06 13 23 00-0019	BF	>12" To 16" Pine, Heavy Timber Beam	2.50	0.25
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		
06 13 23 00-0020		Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0021	LF	4" x 4", Douglas Fir, Heavy Timber Beam	6.16	1.94
06 13 23 00-0022	LF	4" x 6", Douglas Fir, Heavy Timber Beam	7.47	2.02
06 13 23 00-0023	LF	4" x 8", Douglas Fir, Heavy Timber Beam	8.77	2.10
06 13 23 00-0024	LF	4" x 10", Douglas Fir, Heavy Timber Beam	11.40	2.24
06 13 23 00-0025	LF	4" x 12", Douglas Fir, Heavy Timber Beam	13.55	2.38
06 13 23 00-0026	LF	6" x 6", Douglas Fir, Heavy Timber Beam	9.45	2.19
06 13 23 00-0027	LF	6" x 8", Douglas Fir, Heavy Timber Beam	11.35	2.30
06 13 23 00-0028	LF	6" x 10", Douglas Fir, Heavy Timber Beam	15.29	2.46
06 13 23 00-0029	LF	6" x 12", Douglas Fir, Heavy Timber Beam	18.22	2.51
06 13 23 00-0030	LF	8" x 8", Douglas Fir, Heavy Timber Beam	13.87	2.38
06 13 23 00-0031	LF	8" x 10", Douglas Fir, Heavy Timber Beam	18.76	2.46
06 13 23 00-0032	LF	8" x 12", Douglas Fir, Heavy Timber Beam	22.70	2.51
06 13 23 00-0033	LF	10" x 10", Douglas Fir, Heavy Timber Beam	22.41	2.51
06 13 23 00-0034	LF	10" x 12", Douglas Fir, Heavy Timber Beam	27.43	2.73
06 13 23 00-0035	LF	12" x 12", Douglas Fir, Heavy Timber Beam	32.37	3.01
06 13 23 00-0036	BF	>12" To 16" Douglas Fir, Heavy Timber Beam	2.70	0.25
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		
06 13 23 00-0037		Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0038	LF	4" x 4", Pressure Treated, Heavy Timber Beam	6.26	1.94
06 13 23 00-0039	LF	4" x 6", Pressure Treated, Heavy Timber Beam	7.84	2.02
06 13 23 00-0040	LF	4" x 8", Pressure Treated, Heavy Timber Beam	9.21	2.10
06 13 23 00-0041	LF	4" x 10", Pressure Treated, Heavy Timber Beam	12.05	2.24
06 13 23 00-0042	LF	4" x 12", Pressure Treated, Heavy Timber Beam	14.38	2.38
06 13 23 00-0043	LF	6" x 6", Pressure Treated, Heavy Timber Beam	10.71	2.19
06 13 23 00-0044	LF	6" x 8", Pressure Treated, Heavy Timber Beam	13.07	2.30
06 13 23 00-0045	LF	6" x 10", Pressure Treated, Heavy Timber Beam	15.63	2.46
06 13 23 00-0046	LF	6" x 12", Pressure Treated, Heavy Timber Beam	19.09	2.51
06 13 23 00-0047	LF	8" x 8", Pressure Treated, Heavy Timber Beam	19.25	2.38
06 13 23 00-0048	LF	8" x 10", Pressure Treated, Heavy Timber Beam	22.31	2.46
06 13 23 00-0049	LF	8" x 12", Pressure Treated, Heavy Timber Beam	26.21	2.51
06 13 23 00-0050	LF	10" x 10", Pressure Treated, Heavy Timber Beam	26.32	2.51
06 13 23 00-0051	LF	10" x 12", Pressure Treated, Heavy Timber Beam	34.74	2.73
06 13 23 00-0052	LF	12" x 12", Pressure Treated, Heavy Timber Beam	41.14	3.01
06 13 23 00-0053	BF	>12" To 16" Pressure Treated, Heavy Timber Beam	3.43	0.25
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		
06 13 23 00-0054		Heavy Timber Columns *(06 13 23 00-0001)*		
06 13 23 00-0055		Pine, Heavy Timber Columns *(06 13 23 00-0054)*		
06 13 23 00-0056	LF	4" x 4", Pine, Heavy Timber Column	4.11	1.02
06 13 23 00-0057	LF	4" x 6", Pine, Heavy Timber Column	5.27	1.08
06 13 23 00-0058	LF	4" x 8", Pine, Heavy Timber Column	6.36	1.11
06 13 23 00-0059	LF	4" x 10", Pine, Heavy Timber Column	8.65	1.18
06 13 23 00-0060	LF	4" x 12", Pine, Heavy Timber Column	10.50	1.25
06 13 23 00-0061	LF	6" x 6", Pine, Heavy Timber Column	6.94	1.14
06 13 23 00-0062	LF	6" x 8", Pine, Heavy Timber Column	8.60	1.19
06 13 23 00-0063	LF	6" x 10", Pine, Heavy Timber Column	12.03	1.29
06 13 23 00-0064	LF	6" x 12", Pine, Heavy Timber Column	14.63	1.32
06 13 23 00-0065	LF	8" x 8", Pine, Heavy Timber Column	10.78	1.25
06 13 23 00-0066	LF	8" x 10", Pine, Heavy Timber Column	15.17	1.29
06 13 23 00-0067	LF	8" x 12", Pine, Heavy Timber Column	18.67	1.35
06 13 23 00-0068	LF	10" x 10", Pine, Heavy Timber Column	18.43	1.35
06 13 23 00-0069	LF	10" x 12", Pine, Heavy Timber Column	22.86	1.43
06 13 23 00-0070	LF	12" x 12", Pine, Heavy Timber Column	27.13	1.59
06 13 23 00-0071	BF	>12" To 16" Pine, Heavy Timber Column	2.26	0.13
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		
06 13 23 00-0072		Douglas Fir, Heavy Timber Columns *(06 13 23 00-0054)*		
06 13 23 00-0073	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.32	1.02
06 13 23 00-0074	LF	4" x 6", Douglas Fir, Heavy Timber Column	5.58	1.08
06 13 23 00-0075	LF	4" x 8", Douglas Fir, Heavy Timber Column	6.78	1.11
06 13 23 00-0076	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.28	1.18
06 13 23 00-0077	LF	4" x 12", Douglas Fir, Heavy Timber Column	11.29	1.25
06 13 23 00-0078	LF	6" x 6", Douglas Fir, Heavy Timber Column	7.40	1.14
06 13 23 00-0079	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.21	1.19
06 13 23 00-0080	LF	6" x 10", Douglas Fir, Heavy Timber Column	12.96	1.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0081	LF	6" x 12", Douglas Fir, Heavy Timber Column	15.83	1.32
06 13 23 00-0082	LF	8" x 8", Douglas Fir, Heavy Timber Column	11.61	1.25
06 13 23 00-0083	LF	8" x 10", Douglas Fir, Heavy Timber Column	16.43	1.29
06 13 23 00-0084	LF	8" x 12", Douglas Fir, Heavy Timber Column	20.27	1.35
06 13 23 00-0085	LF	10" x 10", Douglas Fir, Heavy Timber Column	19.99	1.35
06 13 23 00-0086	LF	10" x 12", Douglas Fir, Heavy Timber Column	24.84	1.43
06 13 23 00-0087	LF	12" x 12", Douglas Fir, Heavy Timber Column	29.52	1.59
06 13 23 00-0088	BF	>12" To 16" Douglas Fir, Heavy Timber Column Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	2.46	0.13
06 13 23 00-0089		Pressure Treated, Heavy Timber Columns *(06 13 23 00-0054)*		
06 13 23 00-0090	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.42	1.02
06 13 23 00-0091	LF	4" x 6", Pressure Treated, Heavy Timber Column	5.95	1.08
06 13 23 00-0092	LF	4" x 8", Pressure Treated, Heavy Timber Column	7.22	1.11
06 13 23 00-0093	LF	4" x 10", Pressure Treated, Heavy Timber Column	9.93	1.18
06 13 23 00-0094	LF	4" x 12", Pressure Treated, Heavy Timber Column	12.12	1.25
06 13 23 00-0095	LF	6" x 6", Pressure Treated, Heavy Timber Column	8.66	1.14
06 13 23 00-0096	LF	6" x 8", Pressure Treated, Heavy Timber Column	10.93	1.19
06 13 23 00-0097	LF	6" x 10", Pressure Treated, Heavy Timber Column	13.30	1.29
06 13 23 00-0098	LF	6" x 12", Pressure Treated, Heavy Timber Column	16.70	1.32
06 13 23 00-0099	LF	8" x 8", Pressure Treated, Heavy Timber Column	16.99	1.25
06 13 23 00-0100	LF	8" x 10", Pressure Treated, Heavy Timber Column	19.98	1.29
06 13 23 00-0101	LF	8" x 12", Pressure Treated, Heavy Timber Column	23.78	1.35
06 13 23 00-0102	LF	10" x 10", Pressure Treated, Heavy Timber Column	23.90	1.35
06 13 23 00-0103	LF	10" x 12", Pressure Treated, Heavy Timber Column	32.15	1.43
06 13 23 00-0104	LF	12" x 12", Pressure Treated, Heavy Timber Column	38.29	1.59
06 13 23 00-0105	BF	>12" To 16" Pressure Treated, Heavy Timber Column Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	3.19	0.13

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	36.98	7.70
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	35.80	7.33
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	38.37	7.90
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	37.20	7.51

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	38.24	7.90
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	37.01	7.50
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	39.63	8.10
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	38.44	7.69

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	36.98	7.70
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	35.80	7.33
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	38.37	7.90
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	37.20	7.51

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.47	7.70
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	38.40	7.09
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.48	7.90
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.13	7.51

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.14	7.90
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	41.02	7.50
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.29	8.10
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.94	7.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.46	7.70
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.40	7.33
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.53	7.90
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.98	7.51
06 15 13 00-0034		Wood Ramp Systems *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	43.08	7.51
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	41.56	7.13
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.59	7.70
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	43.06	7.33
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	44.44	7.70
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	42.88	7.33
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.02	7.90
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	44.46	7.51
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	45.86	7.89
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	44.27	7.50
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	47.47	8.10
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	45.89	7.69
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.42	7.51
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.00	7.13
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.52	7.70
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.81	7.33
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.93	7.70
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	45.48	7.33
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.13	7.90
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.39	7.51
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.77	7.89
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.28	7.50
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.13	8.10
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.90	7.69
06 15 13 00-0067		Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0068		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	43.91	7.51
06 15 13 00-0070	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	42.42	7.13
06 15 13 00-0071	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.49	7.70
06 15 13 00-0072	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.00	7.33
06 15 13 00-0073		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	45.32	7.70
06 15 13 00-0075	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	43.80	7.33
06 15 13 00-0076	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.97	7.90
06 15 13 00-0077	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	45.46	7.51
06 15 13 00-0078		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	46.81	7.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0080	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	45.25	7.50
06 15 13 00-0081	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.49	8.10
06 15 13 00-0082	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	46.95	7.69
06 15 13 00-0083		Wood Stair Systems *(06 15 13)*		
		Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084		Pressure Treated Wood Stair System *(06 15 13 00-0083)*		
06 15 13 00-0085		2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*		
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	117.01	18.49
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	114.14	17.56
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	120.61	18.96
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	117.16	18.01
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	122.85	19.41
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	119.84	18.45
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.65	19.91
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	123.02	18.92
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	128.86	20.39
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	125.68	19.36
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.84	20.91
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.02	19.85
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	136.81	21.40
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.57	20.34
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.06	21.96
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.11	20.86
06 15 13 00-0102		2" x 12" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*		
06 15 13 00-0103	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	119.50	18.95
06 15 13 00-0104	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	116.09	18.00
06 15 13 00-0105	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	123.33	19.44
06 15 13 00-0106	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	119.85	18.47
06 15 13 00-0107	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	125.48	19.90
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	121.90	18.91
06 15 13 00-0109	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.50	20.41
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	125.85	19.38
06 15 13 00-0111	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.62	20.89
06 15 13 00-0112	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	127.85	19.84
06 15 13 00-0113	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.82	21.42
06 15 13 00-0114	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.98	20.37
06 15 13 00-0115	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.73	21.95
06 15 13 00-0116	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.83	20.85
06 15 13 00-0117	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.21	22.50
06 15 13 00-0118	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.25	21.37
06 15 13 00-0119		Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0083)*		
06 15 13 00-0120		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*		
06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.80	18.49
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	127.80	17.56
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	135.26	18.96
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.25	18.01
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.33	19.41
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	134.19	18.45
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.03	19.91
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.86	18.92
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.99	20.39
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.68	19.36
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.92	20.91
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	145.57	19.85
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.46	21.40
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.07	20.34
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	158.74	21.96
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.32	20.86
06 15 13 00-0137		2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*		
06 15 13 00-0138	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.23	18.95
06 15 13 00-0139	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	126.17	18.00
06 15 13 00-0140	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.46	19.44
06 15 13 00-0141	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	130.45	18.47
06 15 13 00-0142	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.70	19.90
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.48	18.91
06 15 13 00-0144	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.13	20.41
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.98	19.38
06 15 13 00-0146	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.29	20.89
06 15 13 00-0147	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.90	19.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0148	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.93	21.42
06 15 13 00-0149	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.61	20.37
06 15 13 00-0150	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.47	21.95
06 15 13 00-0151	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.99	20.85
06 15 13 00-0152	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.43	22.50
06 15 13 00-0153	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.04	21.37
06 15 13 00-0154		**Wood Deck And Ramp Systems Repairs** *(06 15 13)* Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155		**Deck Joist Or Girt** *(06 15 13 00-0154)* See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156		**Deck Boards** *(06 15 13 00-0154)* See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.01	0.84
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.23	1.00
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.14	1.00
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards	2.79	1.15
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards	3.55	1.37
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards	4.35	1.69
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards	5.35	1.99
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	2.46	1.00
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	3.16	1.15
06 15 13 00-0166	LF	2" x 4" Round Edge Redwood Deck Boards	2.68	1.00
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	3.50	1.15
06 15 13 00-0168		**Deck Posts** *(06 15 13 00-0154)* See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169		**Deck Railing And Pickets** *(06 15 13 00-0154)* See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing	2.14	1.00
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket	1.55	0.76
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing	2.46	1.00
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket	1.86	0.76
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	2.68	1.00
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket	2.03	0.76

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001		**Board Type Subflooring** *(06 16 23)*		
06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	3.29	0.87
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	3.65	1.10
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.16	0.76
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	3.42	0.87
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 **Plywood** *(06 16 33)*

06 16 33 00-0002 **Roof Decking** *(06 16 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.99	0.55
		For Shear Wall Construction, Add	*0.26*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.26*	
		For ACQ Preservative Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.94*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.25	0.66
		For Shear Wall Construction, Add	*0.28*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.28*	
		For ACQ Preservative Treatment, Add	*0.41*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.10*	
		For Fire Retardant Treatment, Add	*0.67*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.60	0.66
		For Shear Wall Construction, Add	*0.30*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.30*	
		For ACQ Preservative Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.27*	
		For Fire Retardant Treatment, Add	*0.86*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.89	0.76
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.19*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For ACQ Preservative Treatment, Add	*0.60*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.45*	
		For Fire Retardant Treatment, Add	*1.00*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.09*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.49	0.87
		For Shear Wall Construction, Add	*0.36*	
		For Exterior CC Grade Plywood, Add	*0.26*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.36*	
		For ACQ Preservative Treatment, Add	*0.82*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.67*	
		For Fire Retardant Treatment, Add	*1.35*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.29*	
		For Tongue And Groove, Add	*0.12*	
06 16 33 00-0008		Wall Sheathing *(06 16 33 00-0001)*		
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.32	0.76
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For Ceiling Installation, Add	*0.16*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.45*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	2.36	0.76
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For Ceiling Installation, Add	*0.16*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.45*	
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.42	0.87
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For Ceiling Installation, Add	*0.16*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.45*	
		For Fire Retardant Treatment, Add	*0.62*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	2.74	0.87
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.35*	
		For Exterior CC Grade Plywood, Add	*0.15*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.35*	
		For Ceiling Installation, Add	*0.17*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.61*	
		For Fire Retardant Treatment, Add	*0.79*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	3.11	0.99
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.37*	
		For Exterior CC Grade Plywood, Add	*0.19*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.37*	
		For Ceiling Installation, Add	*0.19*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.81*	
		For Fire Retardant Treatment, Add	*0.98*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	3.43	1.10
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.21*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.02*	
		For Fire Retardant Treatment, Add	*1.12*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.27*	

06 16 33 00-0015 Floor Decking *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	1.77	0.66
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.85*	
		For Fire Retardant Treatment, Add	*0.43*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.26*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.86	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.94*	
		For Fire Retardant Treatment, Add	*0.45*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.27*	
		For Fir Plywood, Add	*0.11*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.45*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.12	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.04*	
		For Fire Retardant Treatment, Add	*0.60*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
		For ACQ Preservative Treatment, Add	*0.36*	
		For Fir Plywood, Add	*0.14*	
		For BC Grade Plywood, Add	*0.11*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.60*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.44	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.24*	
		For Fire Retardant Treatment, Add	*0.75*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.46*	
		For Fir Plywood, Add	*0.18*	
		For BC Grade Plywood, Add	*0.14*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.74*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.79	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.37*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.22*	
		For ACQ Preservative Treatment, Add	*0.58*	
		For Fir Plywood, Add	*0.22*	
		For BC Grade Plywood, Add	*0.18*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.95*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	4.17	0.99
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.82*	
		For Fire Retardant Treatment, Add	*1.81*	
		For >1,696 To 3,200, Deduct	*-0.14*	
		For >3,200 To 6,400, Deduct	*-0.21*	
		For >6,400 To 12,800, Deduct	*-0.30*	
		For >12,800, Deduct	*-0.37*	
		For ACQ Preservative Treatment, Add	*1.10*	
		For Fir Plywood, Add	*0.42*	
		For BC Grade Plywood, Add	*0.34*	
		For Exterior Glue, Add	*0.21*	
		For Marine Grade, Add	*1.79*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.57	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.04*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.21*	
		For ACQ Preservative Treatment, Add	*0.58*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.95*	
		For Tongue And Groove, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.96	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.24*	
		For Fire Retardant Treatment, Add	*1.16*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.25*	
		For ACQ Preservative Treatment, Add	*0.71*	
		For Exterior Glue, Add	*0.14*	
		For Marine Grade, Add	*1.15*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.18	0.66
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.37*	
		For Fire Retardant Treatment, Add	*1.26*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.27*	
		For ACQ Preservative Treatment, Add	*0.77*	
		For Exterior Glue, Add	*0.15*	
		For Marine Grade, Add	*1.25*	
		For Tongue And Groove, Add	*0.11*	
06 16 33 00-0025		Underlayment Grade *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	1.90	0.66
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.03	0.66
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.11	0.76
		For Fire Retardant Treatment, Add	*0.60*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.41	0.76
		For Fire Retardant Treatment, Add	*0.71*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.60	0.76
		For Fire Retardant Treatment, Add	*0.86*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.21*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.35	0.87
		For Fire Retardant Treatment, Add	*1.31*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.28*	
		For Tongue And Groove, Add	*0.12*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.19	0.66
		For Fire Retardant Treatment, Add	*0.68*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	2.79	0.76
		For Fire Retardant Treatment, Add	*1.03*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.23*	
06 16 33 00-0034		Oriented Strand Board *(06 16 33)*		
06 16 33 00-0035		On Roof *(06 16 33 00-0034)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	1.71	0.66
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.33*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.94*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	1.89	0.66
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.39*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.10*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.22	0.76
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.56*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.27*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	2.57	0.76
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.74*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.45*	
06 16 33 00-0040		On Walls *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.05	0.76
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.33*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.45*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.23	0.87
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.39*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.61*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.58	0.99
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
		For Fire Retardant Treatment, Add	*0.56*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.81*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	2.95	0.99
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
		For Fire Retardant Treatment, Add	*0.74*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.02*	
06 16 33 00-0045		On Floors *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	1.73	0.66
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.12*	
		For Fire Retardant Treatment, Add	*0.33*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.97*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.07	0.76
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.39*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.37*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.43	0.87
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.56*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	2.81	0.99
		For >1,408 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
		For Fire Retardant Treatment, Add	*0.74*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.81*	
06 16 33 00-0050		Particle Board *(06 16 33)*		
06 16 33 00-0051		Particle Board Floor Decking *(06 16 33 00-0050)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	1.93	0.55
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.51*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	2.23	0.55
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.69*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.17*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	2.52	0.66
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.86*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	2.81	0.66
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.01*	
		For >1,536 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.09*	
06 16 43		**Gypsum Sheathing** *(06 16)*		
06 16 43 00-0001		Exterior Gypsum Sheathing *(06 16 43)*		
		Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.23	0.87
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.61*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.35*	
		For Ceiling Installation, Add	*0.17*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.27*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.50	1.10
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.81*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.37*	
		For Ceiling Installation, Add	*0.19*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.29*	
06 17		**Shop-Fabricated Structural Wood** *(06 10)*		
06 17 13		**Laminated Veneer Lumber** *(06 17)*		
06 17 13 00-0001		Laminated Veneer Lumber (LVL) *(06 17 13)*		
06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	7.07	1.89
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	7.71	1.92
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	8.46	1.95
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	9.41	1.98
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	10.12	2.01
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	11.11	2.08
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	12.53	2.12
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	17.03	2.41
06 17 23		**Parallel Strand Lumber** *(06 17)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 23 00-0001		Laminated Strand Lumber (LSL) *(06 17 23)*		
06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	2.44	0.87
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	3.24	0.93
06 17 33		**Wood I-Joists** *(06 17)*		
06 17 33 00-0001		Prefabricated Wood I-Joists *(06 17 33)*		
06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.49	1.28
		For I-Joists 30' To 40' In Length, Add	*0.56*	
		For I-Joists >40' In Length, Add	*1.38*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.85	1.42
		For I-Joists 30' To 40' In Length, Add	*0.62*	
		For I-Joists >40' In Length, Add	*1.53*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.66	1.60
		For I-Joists 30' To 40' In Length, Add	*0.70*	
		For I-Joists >40' In Length, Add	*1.73*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.36	1.78
		For I-Joists 30' To 40' In Length, Add	*0.78*	
		For I-Joists >40' In Length, Add	*1.92*	
06 17 43		**Rim Boards** *(06 17)*		
06 17 43 00-0001		Oriented Strand Board (OSB) Rim Board *(06 17 43)*		
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	5.85	1.95
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	6.36	1.98
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	6.96	2.01
06 17 53		**Shop-Fabricated Wood Trusses** *(06 17)*		
		Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.		
06 17 53 00-0001		Pre-Assembled Wood Roof Trusses *(06 17 53)*		
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	184.98	74.64
		For Up To 15, Add	*2.68*	
		For >35, Deduct	*-1.78*	
		For 3 In 12 Slope, Add	*1.07*	
		For 5 In 12 Slope, Add	*2.86*	
		For 6 In 12 Slope, Add	*5.35*	
		For 7 In 12 Slope, Add	*7.14*	
		For 8 In 12 Slope, Add	*8.57*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	205.18	81.76
		For Up To 15, Add	*3.13*	
		For >35, Deduct	*-2.08*	
		For 3 In 12 Slope, Add	*1.25*	
		For 5 In 12 Slope, Add	*3.33*	
		For 6 In 12 Slope, Add	*6.25*	
		For 7 In 12 Slope, Add	*8.34*	
		For 8 In 12 Slope, Add	*10.00*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	227.88	88.86
		For Up To 15, Add	*3.76*	
		For >35, Deduct	*-2.51*	
		For 3 In 12 Slope, Add	*1.50*	
		For 5 In 12 Slope, Add	*4.01*	
		For 6 In 12 Slope, Add	*7.52*	
		For 7 In 12 Slope, Add	*10.03*	
		For 8 In 12 Slope, Add	*12.04*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	257.12	95.97
		For Up To 15, Add	*4.89*	
		For >35, Deduct	*-3.26*	
		For 3 In 12 Slope, Add	*1.96*	
		For 5 In 12 Slope, Add	*5.21*	
		For 6 In 12 Slope, Add	*9.78*	
		For 7 In 12 Slope, Add	*13.04*	
		For 8 In 12 Slope, Add	*15.64*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	282.60	103.08
		For Up To 15, Add	*5.73*	
		For >35, Deduct	*-3.82*	
		For 3 In 12 Slope, Add	*2.29*	
		For 5 In 12 Slope, Add	*6.12*	
		For 6 In 12 Slope, Add	*11.47*	
		For 7 In 12 Slope, Add	*15.29*	
		For 8 In 12 Slope, Add	*18.35*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	298.85	113.74
		For Up To 15, Add	*5.35*	
		For >35, Deduct	*-3.57*	
		For 3 In 12 Slope, Add	*2.14*	
		For 5 In 12 Slope, Add	*5.71*	
		For 6 In 12 Slope, Add	*10.71*	
		For 7 In 12 Slope, Add	*14.27*	
		For 8 In 12 Slope, Add	*17.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	315.16	181.28
		For Up To 15, Add	*5.51*	
		For >35, Deduct	*-3.67*	
		For 3 In 12 Slope, Add	*2.20*	
		For 5 In 12 Slope, Add	*5.88*	
		For 6 In 12 Slope, Add	*11.02*	
		For 7 In 12 Slope, Add	*14.69*	
		For 8 In 12 Slope, Add	*17.63*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	335.61	127.96
		For Up To 15, Add	*5.98*	
		For >35, Deduct	*-3.98*	
		For 3 In 12 Slope, Add	*2.39*	
		For 5 In 12 Slope, Add	*6.37*	
		For 6 In 12 Slope, Add	*11.95*	
		For 7 In 12 Slope, Add	*15.94*	
		For 8 In 12 Slope, Add	*19.12*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	356.72	202.60
		For Up To 15, Add	*6.49*	
		For >35, Deduct	*-4.33*	
		For 3 In 12 Slope, Add	*2.60*	
		For 5 In 12 Slope, Add	*6.93*	
		For 6 In 12 Slope, Add	*12.99*	
		For 7 In 12 Slope, Add	*17.32*	
		For 8 In 12 Slope, Add	*20.78*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	378.74	142.17
		For Up To 15, Add	*7.08*	
		For >35, Deduct	*-4.72*	
		For 3 In 12 Slope, Add	*2.83*	
		For 5 In 12 Slope, Add	*7.55*	
		For 6 In 12 Slope, Add	*14.16*	
		For 7 In 12 Slope, Add	*18.88*	
		For 8 In 12 Slope, Add	*22.65*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	395.95	223.93
		For Up To 15, Add	*7.30*	
		For >35, Deduct	*-4.87*	
		For 3 In 12 Slope, Add	*2.92*	
		For 5 In 12 Slope, Add	*7.79*	
		For 6 In 12 Slope, Add	*14.61*	
		For 7 In 12 Slope, Add	*19.48*	
		For 8 In 12 Slope, Add	*23.37*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	412.80	152.84
		For Up To 15, Add	*8.03*	
		For >35, Deduct	*-5.36*	
		For 3 In 12 Slope, Add	*3.21*	
		For 5 In 12 Slope, Add	*8.57*	
		For 6 In 12 Slope, Add	*16.07*	
		For 7 In 12 Slope, Add	*21.42*	
		For 8 In 12 Slope, Add	*25.71*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	448.33	239.99
		For Up To 15, Add	*9.63*	
		For >35, Deduct	*-6.42*	
		For 3 In 12 Slope, Add	*3.85*	
		For 5 In 12 Slope, Add	*10.27*	
		For 6 In 12 Slope, Add	*19.26*	
		For 7 In 12 Slope, Add	*25.69*	
		For 8 In 12 Slope, Add	*30.82*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	465.55	163.50
		For Up To 15, Add	*10.39*	
		For >35, Deduct	*-6.93*	
		For 3 In 12 Slope, Add	*4.16*	
		For 5 In 12 Slope, Add	*11.08*	
		For 6 In 12 Slope, Add	*20.78*	
		For 7 In 12 Slope, Add	*27.71*	
		For 8 In 12 Slope, Add	*33.25*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	489.23	255.93
		For Up To 15, Add	*11.10*	
		For >35, Deduct	*-7.40*	
		For 3 In 12 Slope, Add	*4.44*	
		For 5 In 12 Slope, Add	*11.84*	
		For 6 In 12 Slope, Add	*22.20*	
		For 7 In 12 Slope, Add	*29.60*	
		For 8 In 12 Slope, Add	*35.52*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	506.62	177.72
		For Up To 15, Add	*11.34*	
		For >35, Deduct	*-7.56*	
		For 3 In 12 Slope, Add	*4.54*	
		For 5 In 12 Slope, Add	*12.09*	
		For 6 In 12 Slope, Add	*22.68*	
		For 7 In 12 Slope, Add	*30.23*	
		For 8 In 12 Slope, Add	*36.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	552.80	277.24
		For Up To 15, Add	*13.73*	
		For >35, Deduct	*-9.16*	
		For 3 In 12 Slope, Add	*5.49*	
		For 5 In 12 Slope, Add	*14.65*	
		For 6 In 12 Slope, Add	*27.47*	
		For 7 In 12 Slope, Add	*36.63*	
		For 8 In 12 Slope, Add	*43.95*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	598.11	191.94
		For Up To 15, Add	*16.07*	
		For >35, Deduct	*-10.71*	
		For 3 In 12 Slope, Add	*6.43*	
		For 5 In 12 Slope, Add	*17.14*	
		For 6 In 12 Slope, Add	*32.13*	
		For 7 In 12 Slope, Add	*42.85*	
		For 8 In 12 Slope, Add	*51.42*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	619.23	199.05
		For Up To 15, Add	*16.58*	
		For >35, Deduct	*-11.06*	
		For 3 In 12 Slope, Add	*6.63*	
		For 5 In 12 Slope, Add	*17.69*	
		For 6 In 12 Slope, Add	*33.17*	
		For 7 In 12 Slope, Add	*44.23*	
		For 8 In 12 Slope, Add	*53.07*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	648.70	206.16
		For Up To 15, Add	*17.73*	
		For >35, Deduct	*-11.82*	
		For 3 In 12 Slope, Add	*7.09*	
		For 5 In 12 Slope, Add	*18.91*	
		For 6 In 12 Slope, Add	*35.46*	
		For 7 In 12 Slope, Add	*47.28*	
		For 8 In 12 Slope, Add	*56.73*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	729.11	213.27
		For Up To 15, Add	*22.69*	
		For >35, Deduct	*-15.13*	
		For 3 In 12 Slope, Add	*9.08*	
		For 5 In 12 Slope, Add	*24.21*	
		For 6 In 12 Slope, Add	*45.39*	
		For 7 In 12 Slope, Add	*60.52*	
		For 8 In 12 Slope, Add	*72.62*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	697.16	191.80
		For Up To 15, Add	*20.30*	
		For >35, Deduct	*-13.53*	
		For 3 In 12 Slope, Add	*8.12*	
		For 5 In 12 Slope, Add	*21.65*	
		For 6 In 12 Slope, Add	*40.59*	
		For 7 In 12 Slope, Add	*54.13*	
		For 8 In 12 Slope, Add	*64.95*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	731.56	223.93
		For Up To 15, Add	*21.28*	
		For >35, Deduct	*-14.19*	
		For 3 In 12 Slope, Add	*8.51*	
		For 5 In 12 Slope, Add	*22.70*	
		For 6 In 12 Slope, Add	*42.56*	
		For 7 In 12 Slope, Add	*56.74*	
		For 8 In 12 Slope, Add	*68.09*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	759.72	207.58
		For Up To 15, Add	*22.32*	
		For >35, Deduct	*-14.88*	
		For 3 In 12 Slope, Add	*8.93*	
		For 5 In 12 Slope, Add	*23.81*	
		For 6 In 12 Slope, Add	*44.65*	
		For 7 In 12 Slope, Add	*59.53*	
		For 8 In 12 Slope, Add	*71.43*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	783.36	234.60
		For Up To 15, Add	*23.56*	
		For >35, Deduct	*-15.71*	
		For 3 In 12 Slope, Add	*9.43*	
		For 5 In 12 Slope, Add	*25.13*	
		For 6 In 12 Slope, Add	*47.13*	
		For 7 In 12 Slope, Add	*62.83*	
		For 8 In 12 Slope, Add	*75.40*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	798.97	238.15
		For Up To 15, Add	*24.20*	
		For >35, Deduct	*-16.13*	
		For 3 In 12 Slope, Add	*9.68*	
		For 5 In 12 Slope, Add	*25.81*	
		For 6 In 12 Slope, Add	*48.40*	
		For 7 In 12 Slope, Add	*64.54*	
		For 8 In 12 Slope, Add	*77.44*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	189.52	74.64
		For 3 In 12 Slope, Add	*1.21*	
		For 5 In 12 Slope, Add	*3.22*	
		For 6 In 12 Slope, Add	*6.03*	
		For 7 In 12 Slope, Add	*8.05*	
		For 8 In 12 Slope, Add	*9.66*	
		For 16" On Center Gable Studs, Add	*8.05*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	210.48	81.76
		For 3 In 12 Slope, Add	*1.41*	
		For 5 In 12 Slope, Add	*3.76*	
		For 6 In 12 Slope, Add	*7.05*	
		For 7 In 12 Slope, Add	*9.40*	
		For 8 In 12 Slope, Add	*11.28*	
		For 16" On Center Gable Studs, Add	*9.40*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	234.26	88.86
		For 3 In 12 Slope, Add	*1.70*	
		For 5 In 12 Slope, Add	*4.52*	
		For 6 In 12 Slope, Add	*8.48*	
		For 7 In 12 Slope, Add	*11.31*	
		For 8 In 12 Slope, Add	*13.57*	
		For 16" On Center Gable Studs, Add	*11.31*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	265.41	95.97
		For 3 In 12 Slope, Add	*2.20*	
		For 5 In 12 Slope, Add	*5.88*	
		For 6 In 12 Slope, Add	*11.02*	
		For 7 In 12 Slope, Add	*14.69*	
		For 8 In 12 Slope, Add	*17.63*	
		For 16" On Center Gable Studs, Add	*14.69*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	292.32	103.08
		For 3 In 12 Slope, Add	*2.58*	
		For 5 In 12 Slope, Add	*6.89*	
		For 6 In 12 Slope, Add	*12.92*	
		For 7 In 12 Slope, Add	*17.23*	
		For 8 In 12 Slope, Add	*20.68*	
		For 16" On Center Gable Studs, Add	*17.23*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	318.14	113.74
		For 3 In 12 Slope, Add	*2.72*	
		For 5 In 12 Slope, Add	*7.25*	
		For 6 In 12 Slope, Add	*13.60*	
		For 7 In 12 Slope, Add	*18.13*	
		For 8 In 12 Slope, Add	*21.76*	
		For 16" On Center Gable Studs, Add	*18.13*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	335.01	120.85
		For 3 In 12 Slope, Add	*2.80*	
		For 5 In 12 Slope, Add	*7.46*	
		For 6 In 12 Slope, Add	*14.00*	
		For 7 In 12 Slope, Add	*18.66*	
		For 8 In 12 Slope, Add	*22.39*	
		For 16" On Center Gable Studs, Add	*18.66*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	357.13	127.96
		For 3 In 12 Slope, Add	*3.04*	
		For 5 In 12 Slope, Add	*8.10*	
		For 6 In 12 Slope, Add	*15.18*	
		For 7 In 12 Slope, Add	*20.24*	
		For 8 In 12 Slope, Add	*24.29*	
		For 16" On Center Gable Studs, Add	*20.24*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	380.10	135.07
		For 3 In 12 Slope, Add	*3.30*	
		For 5 In 12 Slope, Add	*8.80*	
		For 6 In 12 Slope, Add	*16.49*	
		For 7 In 12 Slope, Add	*21.99*	
		For 8 In 12 Slope, Add	*26.39*	
		For 16" On Center Gable Studs, Add	*21.99*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	404.24	142.17
		For 3 In 12 Slope, Add	*3.60*	
		For 5 In 12 Slope, Add	*9.59*	
		For 6 In 12 Slope, Add	*17.98*	
		For 7 In 12 Slope, Add	*23.98*	
		For 8 In 12 Slope, Add	*28.77*	
		For 16" On Center Gable Studs, Add	*23.98*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	423.31	149.29
		For 3 In 12 Slope, Add	*3.74*	
		For 5 In 12 Slope, Add	*9.98*	
		For 6 In 12 Slope, Add	*18.71*	
		For 7 In 12 Slope, Add	*24.95*	
		For 8 In 12 Slope, Add	*29.94*	
		For 16" On Center Gable Studs, Add	*24.95*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	442.90	152.84
		For 3 In 12 Slope, Add	*4.12*	
		For 5 In 12 Slope, Add	*10.98*	
		For 6 In 12 Slope, Add	*20.58*	
		For 7 In 12 Slope, Add	*27.44*	
		For 8 In 12 Slope, Add	*32.93*	
		For 16" On Center Gable Studs, Add	*27.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	484.41	159.95
		For 3 In 12 Slope, Add	*4.94*	
		For 5 In 12 Slope, Add	*13.16*	
		For 6 In 12 Slope, Add	*24.68*	
		For 7 In 12 Slope, Add	*32.90*	
		For 8 In 12 Slope, Add	*39.48*	
		For 16" On Center Gable Studs, Add	*32.90*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	504.49	163.50
		For 3 In 12 Slope, Add	*5.32*	
		For 5 In 12 Slope, Add	*14.20*	
		For 6 In 12 Slope, Add	*26.62*	
		For 7 In 12 Slope, Add	*35.50*	
		For 8 In 12 Slope, Add	*42.60*	
		For 16" On Center Gable Studs, Add	*35.50*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	530.82	170.62
		For 3 In 12 Slope, Add	*5.69*	
		For 5 In 12 Slope, Add	*15.17*	
		For 6 In 12 Slope, Add	*28.44*	
		For 7 In 12 Slope, Add	*37.92*	
		For 8 In 12 Slope, Add	*45.50*	
		For 16" On Center Gable Studs, Add	*37.92*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	561.30	177.72
		For 3 In 12 Slope, Add	*6.18*	
		For 5 In 12 Slope, Add	*16.47*	
		For 6 In 12 Slope, Add	*30.88*	
		For 7 In 12 Slope, Add	*41.17*	
		For 8 In 12 Slope, Add	*49.40*	
		For 16" On Center Gable Studs, Add	*41.17*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	619.05	184.83
		For 3 In 12 Slope, Add	*7.48*	
		For 5 In 12 Slope, Add	*19.95*	
		For 6 In 12 Slope, Add	*37.41*	
		For 7 In 12 Slope, Add	*49.88*	
		For 8 In 12 Slope, Add	*59.85*	
		For 16" On Center Gable Studs, Add	*49.88*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	675.60	191.94
		For 3 In 12 Slope, Add	*8.75*	
		For 5 In 12 Slope, Add	*23.34*	
		For 6 In 12 Slope, Add	*43.76*	
		For 7 In 12 Slope, Add	*58.34*	
		For 8 In 12 Slope, Add	*70.01*	
		For 16" On Center Gable Studs, Add	*58.34*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	699.22	199.05
		For 3 In 12 Slope, Add	*9.03*	
		For 5 In 12 Slope, Add	*24.09*	
		For 6 In 12 Slope, Add	*45.17*	
		For 7 In 12 Slope, Add	*60.22*	
		For 8 In 12 Slope, Add	*72.27*	
		For 16" On Center Gable Studs, Add	*60.22*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	734.20	206.16
		For 3 In 12 Slope, Add	*9.66*	
		For 5 In 12 Slope, Add	*25.75*	
		For 6 In 12 Slope, Add	*48.28*	
		For 7 In 12 Slope, Add	*64.38*	
		For 8 In 12 Slope, Add	*77.25*	
		For 16" On Center Gable Studs, Add	*64.38*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	795.88	213.27
		For 3 In 12 Slope, Add	*11.08*	
		For 5 In 12 Slope, Add	*29.55*	
		For 6 In 12 Slope, Add	*55.40*	
		For 7 In 12 Slope, Add	*73.87*	
		For 8 In 12 Slope, Add	*88.64*	
		For 16" On Center Gable Studs, Add	*73.87*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	815.03	220.38
		For 3 In 12 Slope, Add	*11.23*	
		For 5 In 12 Slope, Add	*29.94*	
		For 6 In 12 Slope, Add	*56.14*	
		For 7 In 12 Slope, Add	*74.85*	
		For 8 In 12 Slope, Add	*89.82*	
		For 16" On Center Gable Studs, Add	*74.85*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	840.22	223.93
		For 3 In 12 Slope, Add	*11.77*	
		For 5 In 12 Slope, Add	*31.39*	
		For 6 In 12 Slope, Add	*58.85*	
		For 7 In 12 Slope, Add	*78.47*	
		For 8 In 12 Slope, Add	*94.17*	
		For 16" On Center Gable Studs, Add	*78.47*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	873.71	231.04
		For 3 In 12 Slope, Add	*12.35*	
		For 5 In 12 Slope, Add	*32.93*	
		For 6 In 12 Slope, Add	*61.74*	
		For 7 In 12 Slope, Add	*82.33*	
		For 8 In 12 Slope, Add	*98.79*	
		For 16" On Center Gable Studs, Add	*82.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	903.67	234.60
		For 3 In 12 Slope, Add	*13.03*	
		For 5 In 12 Slope, Add	*34.76*	
		For 6 In 12 Slope, Add	*65.17*	
		For 7 In 12 Slope, Add	*86.90*	
		For 8 In 12 Slope, Add	*104.28*	
		For 16" On Center Gable Studs, Add	*86.90*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	922.55	238.15
		For 3 In 12 Slope, Add	*13.39*	
		For 5 In 12 Slope, Add	*35.70*	
		For 6 In 12 Slope, Add	*66.94*	
		For 7 In 12 Slope, Add	*89.25*	
		For 8 In 12 Slope, Add	*107.10*	
		For 16" On Center Gable Studs, Add	*89.25*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	9.13	3.03
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	11.41	3.78
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	13.69	4.54
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	14.45	4.81
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	15.96	5.30
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	18.25	6.06
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	20.54	6.82
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	21.30	7.07
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	22.82	7.58
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	24.33	8.09
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	25.09	8.35
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	27.37	9.11
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	29.65	9.86
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	31.93	10.62
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	34.23	11.37
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	14.34	4.76
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	17.92	5.97
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	21.50	7.15
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	22.70	7.55
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	25.09	8.35
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	28.68	9.53
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	32.27	10.73
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	33.46	11.12
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	35.85	11.91
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	38.23	12.70
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	39.44	13.11
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	43.01	14.29
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	46.60	15.50
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	50.19	16.68
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	53.77	17.88
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	57.36	19.06
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	26.40	8.77
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	27.86	9.27
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	30.80	10.24
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	35.19	11.69
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	39.61	13.16
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	41.06	13.65
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	43.99	14.62
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	46.92	15.59
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	48.39	16.08
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	52.79	17.54
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	57.19	19.02
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	61.59	20.46
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	65.98	21.94
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	70.39	23.40
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	34.23	11.37
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	36.11	12.00
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	39.92	13.27
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	45.62	15.16
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	51.33	17.06
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	53.22	17.69
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	57.03	18.95
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	60.83	20.22
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	62.74	20.84
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	68.44	22.74
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	74.15	24.63
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	79.85	26.54
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	85.55	28.43
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	91.24	30.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0061		Glue Laminated Decking *(06 18 13)*		
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	4.62	1.87
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	4.77	1.87
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	4.90	1.76
06 18 16		**Glued-Laminated Columns** *(06 18)*		
06 18 16 00-0001		Glue Laminated Structural Units *(06 18 16)*		
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	13.41	3.82
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	15.11	4.25
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	28.54	9.07
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	31.30	9.51
06 20		**Finish Carpentry** *(06)*		
06 22		**Millwork** *(06 20)*		
06 22 13		**Standard Pattern Wood Trim** *(06 22)*		
06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.20	1.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.37	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.31	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	4.86	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	15.29	3.80
		For Birch, Add	*3.55*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.98*	
		For Poplar, Add	*1.97*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
		For Stain Grade Material (No Finger Joints), Add	*1.28*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	20.57	4.55
		For Birch, Add	*5.07*	
		For Mahogany, Oak, Maple Or Walnut, Add	*6.98*	
		For Poplar, Add	*2.81*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
		For Stain Grade Material (No Finger Joints), Add	*1.83*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	7.28	2.61
		For Birch, Add	*1.06*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.76*	
		For Poplar, Add	*0.59*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	8.34	2.61
		For Birch, Add	*1.44*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.23*	
		For Poplar, Add	*0.80*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
		For Stain Grade Material (No Finger Joints), Add	*0.52*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	10.98	3.25
		For Birch, Add	*2.00*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.04*	
		For Poplar, Add	*1.11*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.72*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	12.74	3.25
		For Birch, Add	*2.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.83*	
		For Poplar, Add	*1.46*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.95*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	15.84	3.91
		For Birch, Add	*3.36*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.85*	
		For Poplar, Add	*1.87*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
		For Stain Grade Material (No Finger Joints), Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	7.55	3.04
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.88*	
		For Poplar, Add	*0.64*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	6.41	2.28
		For Birch, Add	*1.14*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.75*	
		For Poplar, Add	*0.63*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
		For Stain Grade Material (No Finger Joints), Add	*0.41*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	9.79	2.28
		For Birch, Add	*2.35*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.27*	
		For Poplar, Add	*1.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
		For Stain Grade Material (No Finger Joints), Add	*0.85*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	3.75	1.30
		For Birch, Add	*0.54*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.90*	
		For Poplar, Add	*0.30*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
		For Stain Grade Material (No Finger Joints), Add	*0.19*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.13	1.30
		For Birch, Add	*0.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.07*	
		For Poplar, Add	*0.37*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
		For Stain Grade Material (No Finger Joints), Add	*0.24*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	5.54	1.63
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.54*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	5.54	1.63
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.54*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	7.25	1.63
		For Birch, Add	*1.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.31*	
		For Poplar, Add	*0.91*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
		For Stain Grade Material (No Finger Joints), Add	*0.59*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	48.41	1.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	61.38	1.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 22 13 00-0025		Cedar Trim *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	12.69	5.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.81*	
06 22 13 00-0027		Oak Trim *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	13.28	5.04
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 22 13 00-0029		Closet Poles *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	11.15	2.82
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	13.68	2.82
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	18.89	3.14

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	5.62	1.97
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.34*	
		For Glue Laminated Installation, Add	*0.28*	
		For 1/8" Thick Paneling, Deduct	*-0.50*	
		For 1/2" Thick Paneling, Add	*1.16*	
		For 5/8" Thick Paneling, Add	*1.40*	
		For 3/4" Thick Paneling, Add	*1.71*	
		For Fire Retardant Treatment (Class I), Add	*0.91*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	6.31	2.41
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.58*	
		For Glue Laminated Installation, Add	*0.32*	
		For 1/8" Thick Paneling, Deduct	*-0.54*	
		For 1/2" Thick Paneling, Add	*1.20*	
		For 5/8" Thick Paneling, Add	*1.43*	
		For 3/4" Thick Paneling, Add	*1.71*	
		For Fire Retardant Treatment (Class I), Add	*0.84*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	6.41	1.97
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.34*	
		For Glue Laminated Installation, Add	*0.32*	
		For 1/8" Thick Paneling, Deduct	*-0.64*	
		For 1/2" Thick Paneling, Add	*1.58*	
		For 5/8" Thick Paneling, Add	*1.99*	
		For 3/4" Thick Paneling, Add	*2.52*	
		For Fire Retardant Treatment (Class I), Add	*1.53*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	6.54	2.41
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.58*	
		For Glue Laminated Installation, Add	*0.33*	
		For 1/8" Thick Paneling, Deduct	*-0.58*	
		For 1/2" Thick Paneling, Add	*1.33*	
		For 5/8" Thick Paneling, Add	*1.60*	
		For 3/4" Thick Paneling, Add	*1.95*	
		For Fire Retardant Treatment (Class I), Add	*1.02*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	5.38	1.97
		For Waterproof Glue, Add	*0.06*	
		For Glue Laminated Installation, Add	*0.27*	
		For Lumber Core, Add	*0.10*	
		For Fire Retardant Treatment (Class I), Add	*0.72*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	83.01
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	72.18
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	17.21

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	424.74	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	452.33	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	473.17	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	498.20	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	568.76	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	595.08	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	644.52	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	679.41	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	700.54	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	800.22	86.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	890.52	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	989.38	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	935.55	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,045.39	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	431.33	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	441.35	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	483.06	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	514.68	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	536.91	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	564.33	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	933.35	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	984.73	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,035.51	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	532.37	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	543.48	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	590.68	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	628.89	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	662.11	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	696.12	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	979.48	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,036.34	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,094.81	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0040		**Wall Cabinet, 12" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	379.71	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	405.82	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	447.69	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	478.44	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0045		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	321.77	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	329.43	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	345.88	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	354.64	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	364.50	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	382.04	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	409.47	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	447.69	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	478.44	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0055		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	334.95	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	352.50	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	365.65	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	379.90	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	399.64	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	422.69	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	443.55	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	459.99	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	469.65	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0065		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0006)*		

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	362.26	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	395.22	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	422.43	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	455.49	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	487.49	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	535.77	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	548.94	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	599.60	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	617.30	65.10
		For All Plywood Box Construction, Add	*72.48*	

06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	409.48	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	444.64	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	475.14	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	510.40	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	600.60	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	603.86	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	625.82	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	685.27	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	702.96	65.10
		For All Plywood Box Construction, Add	*72.48*	

06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	458.90	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	501.75	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	534.45	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	568.60	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	620.37	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	663.17	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	698.30	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	765.44	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	788.62	65.10
		For All Plywood Box Construction, Add	*72.48*	

06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	434.75	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	467.45	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	502.86	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	544.51	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	645.54	86.81
		For All Plywood Box Construction, Add	*72.48*	

06 41 13 00-0101 Utility Cabinets, 84" High *(06 41 13 00-0006)*

06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	828.15	48.22
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	938.16	57.87
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,055.87	453.30
		For All Plywood Box Construction, Add	*267.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,108.78	77.16
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,347.28	96.44
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,557.23	115.74
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	940.17	48.22
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,040.29	57.87
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,189.86	67.52
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,263.63	77.16
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,574.62	96.44
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,803.23	115.74
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0114		Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*		
06 41 13 00-0115		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*		
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	381.91	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	406.20	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	424.85	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	447.69	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	509.46	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	533.58	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	576.43	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	608.03	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	626.96	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	715.66	86.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	793.88	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	880.66	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	833.41	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	930.08	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	388.50	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	397.42	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	433.63	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	461.96	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	482.00	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	506.13	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	831.22	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	876.00	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	921.29	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	476.36	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	487.47	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	529.18	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	563.00	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	591.83	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	622.54	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	871.85	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	922.13	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	974.01	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	342.37	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	365.19	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	402.66	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	430.11	70.53
		For All Plywood Box Construction, Add	*72.48*	

06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	291.02	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	297.59	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	311.84	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	320.60	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	329.35	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	344.70	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	368.84	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	402.66	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	430.11	70.53
		For All Plywood Box Construction, Add	*72.48*	

06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0114)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	302.00	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	317.35	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	329.41	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	342.56	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	360.11	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	380.95	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	398.52	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	413.87	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	422.43	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	328.21	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	357.88	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	381.79	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	410.46	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	439.16	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	481.96	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	494.03	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	538.10	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	554.70	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	369.94	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	400.71	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	427.92	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	458.78	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	539.10	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	541.26	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	561.02	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	613.88	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	629.38	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	412.77	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	451.23	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	480.63	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	510.40	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	556.67	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	593.98	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	624.72	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	684.17	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	705.16	65.10
		For All Plywood Box Construction, Add	*72.48*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0203		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)*			
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet		391.92	54.25
		For All Plywood Box Construction, Add		*72.48*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet		421.33	59.67
		For All Plywood Box Construction, Add		*72.48*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet		452.34	65.10
		For All Plywood Box Construction, Add		*72.48*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet		489.60	70.53
		For All Plywood Box Construction, Add		*72.48*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet		578.55	86.81
		For All Plywood Box Construction, Add		*72.48*	
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*			
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		749.08	48.22
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		848.10	57.87
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		953.74	453.30
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,002.25	77.16
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,213.30	96.44
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,400.18	115.74
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		847.92	48.22
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		938.16	57.87
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,071.25	67.52
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,138.43	77.16
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,413.18	96.44
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet		1,616.53	115.74
		For All Plywood Box Construction, Add		*267.97*	
06 41 13 00-0222		**Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)*			
06 41 13 00-0223		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)*			
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		381.91	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		406.20	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		424.85	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		447.69	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		509.46	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		533.58	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		576.43	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		608.03	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		626.96	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*129.59*	
		For All Plywood Box Construction, Add		*135.08*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet		715.66	86.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add		*259.18*	
		For All Plywood Box Construction, Add		*135.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	793.88	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	880.66	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	833.41	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	930.08	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	388.50	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	397.42	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	433.63	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	461.96	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	482.00	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	506.13	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	831.22	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	876.00	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	921.29	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	476.36	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	487.47	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	529.18	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	563.00	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	591.83	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	622.54	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	871.85	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	922.13	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	974.01	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0256		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	342.87	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	365.19	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	402.66	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	430.11	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0261		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	291.02	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	297.59	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	311.84	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	320.60	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	329.35	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	344.70	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	368.84	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	402.66	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	430.11	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0271		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	302.00	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	317.35	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	329.41	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	342.56	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	360.11	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	380.95	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	398.52	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	413.87	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	422.43	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0281		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	328.21	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	357.88	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	381.79	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	410.46	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	439.16	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	481.96	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	494.03	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	538.10	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	554.70	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0291		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	369.94	21.70
		For All Plywood Box Construction, Add	*72.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	400.71	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	427.92	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	458.78	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	539.10	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	541.26	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	561.02	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	613.88	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	629.38	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0301		Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*		
06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	412.77	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	451.23	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	480.63	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	510.40	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	556.67	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	593.98	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	624.72	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	684.17	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	705.16	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0311		Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*		
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	391.92	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	421.33	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	452.34	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	489.60	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	578.55	86.81
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0317		Utility Cabinets, 84" High *(06 41 13 00-0222)*		
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	749.08	48.22
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	848.10	57.87
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	953.74	453.30
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,002.25	77.16
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,213.30	96.44
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,400.18	115.74
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	847.92	48.22
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	938.16	57.87
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,071.25	67.52
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,138.43	77.16
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,413.18	96.44
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,616.53	115.74
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0330		Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)*		
06 41 13 00-0331		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	381.91	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	406.20	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	424.85	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	447.69	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	509.46	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	533.58	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	576.43	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	608.03	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	626.96	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*129.59*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	715.66	86.81
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	793.88	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	880.66	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*259.18*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	833.41	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	930.08	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	388.50	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	397.42	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	433.63	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	461.96	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	482.00	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	506.13	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	831.22	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	876.00	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	921.29	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*388.78*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	476.36	21.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	487.47	27.12
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	529.18	32.55
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	563.00	37.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	591.83	43.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	622.54	48.83
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	871.85	54.25
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	922.13	59.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	974.01	65.10
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*518.37*	
		For All Plywood Box Construction, Add	*135.08*	
06 41 13 00-0364		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	342.37	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	365.19	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	402.66	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	430.11	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0369		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	291.02	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	297.59	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	311.84	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	320.60	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	329.35	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	344.70	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	368.84	59.67
		For All Plywood Box Construction, Add	*72.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	402.66	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	430.11	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0379		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	302.00	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	317.35	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	329.41	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	342.56	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	360.11	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	380.95	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	398.52	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	413.87	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	422.43	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	328.21	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	357.88	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	381.79	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	410.46	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	439.16	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	481.96	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	494.03	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	538.10	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	554.70	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	369.94	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	400.71	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	427.92	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	458.78	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	539.10	43.40
		For All Plywood Box Construction, Add	*72.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	541.26	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	561.02	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	613.88	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	629.38	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	412.77	21.70
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	451.23	27.12
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	480.63	32.55
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	510.40	37.98
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	556.67	43.40
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	593.98	48.85
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	624.72	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	684.17	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	705.16	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	391.92	54.25
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	421.33	59.67
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	452.34	65.10
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	489.60	70.53
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	578.55	86.81
		For All Plywood Box Construction, Add	*72.48*	
06 41 13 00-0425		**Utility Cabinets, 84" High** *(06 41 13 00-0330)*		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	749.08	48.22
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	848.10	57.87
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	953.74	453.30
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,002.25	77.16
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,213.30	96.44
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,400.18	115.74
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	847.92	48.22
		For All Plywood Box Construction, Add	*267.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	938.16	57.87
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,071.25	67.52
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,138.43	77.16
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,413.18	96.44
		For All Plywood Box Construction, Add	*267.97*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,616.53	115.74
		For All Plywood Box Construction, Add	*267.97*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	26.36	9.23
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	27.22	9.23
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	28.74	9.23
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	30.42	9.23
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	31.29	9.23
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	40.60	9.23
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	79.15	9.23
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	20.56	7.05
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	20.41	7.05
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	27.82	8.14
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	31.88	8.14
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	34.65	8.14
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	38.44	8.14
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	56.03	8.14
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	40.48	10.85
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	59.55	10.85
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	155.95	16.28
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	53.40	9.23
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	35.98	9.23

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	9.92	2.28
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	10.44	2.28

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	12.96	2.16
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	12.00	2.16

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	11.48	2.28

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	7.41	1.95

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

06 42 16 00-0002	SF	1/4" Maple Veneer Paneling	6.29	1.97
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.34*	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	5.40	1.75
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.18*	
		For Installation On Metal Studs Or Furring, Add	*0.43*	
		For Glue Laminated Installation, Add	*0.27*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.52*	
		For 1/2" Thick Paneling, Add	*1.27*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.97*	
		For Fire Retardant Treatment (Class I), Add	*1.16*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	5.51	1.75
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.18*	
		For Installation On Metal Studs Or Furring, Add	*0.43*	
		For Glue Laminated Installation, Add	*0.28*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.54*	
		For 1/2" Thick Paneling, Add	*1.32*	
		For 5/8" Thick Paneling, Add	*1.66*	
		For 3/4" Thick Paneling, Add	*2.08*	
		For Fire Retardant Treatment (Class I), Add	*1.25*	
06 42 16 00-0007		Knotty Pine *(06 42 16 00-0003)*		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	6.31	1.97
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.32*	
		For Lumber Core, Add	*0.21*	
		For 1/8" Thick Paneling, Deduct	*-0.63*	
		For 1/2" Thick Paneling, Add	*1.57*	
		For 5/8" Thick Paneling, Add	*1.98*	
		For 3/4" Thick Paneling, Add	*2.50*	
		For Fire Retardant Treatment (Class I), Add	*1.53*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	6.23	1.97
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.53*	
		For 5/8" Thick Paneling, Add	*1.92*	
		For 3/4" Thick Paneling, Add	*2.42*	
		For Fire Retardant Treatment (Class I), Add	*1.47*	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*		
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	6.16	2.19
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.55*	
		For 1/2" Thick Paneling, Add	*1.26*	
		For 5/8" Thick Paneling, Add	*1.52*	
		For 3/4" Thick Paneling, Add	*1.86*	
		For Fire Retardant Treatment (Class I), Add	*0.98*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	6.06	2.19
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.53*	
		For 1/2" Thick Paneling, Add	*1.21*	
		For 5/8" Thick Paneling, Add	*1.45*	
		For 3/4" Thick Paneling, Add	*1.75*	
		For Fire Retardant Treatment (Class I), Add	*0.90*	
06 42 16 00-0013		Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.01	1.97
		For Flitch Matched Veneer, Add	*0.82*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.25*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.58*	
		For 1/2" Thick Paneling, Add	*1.41*	
		For 5/8" Thick Paneling, Add	*1.75*	
		For 3/4" Thick Paneling, Add	*2.20*	
		For Fire Retardant Treatment (Class I), Add	*1.30*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	6.75	1.97
		For Flitch Matched Veneer, Add	*1.19*	
		For Second Grade Veneer, Deduct	*-0.24*	
		For Third Grade Veneer, Deduct	*-0.36*	
		For Waterproof Glue, Add	*0.17*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.34*	
		For Lumber Core, Add	*0.26*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.81*	
		For 5/8" Thick Paneling, Add	*2.31*	
		For 3/4" Thick Paneling, Add	*2.95*	
		For Fire Retardant Treatment (Class I), Add	*1.88*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	10.35	1.97
		For Flitch Matched Veneer, Add	*2.56*	
		For Second Grade Veneer, Deduct	*-0.51*	
		For Third Grade Veneer, Deduct	*-0.77*	
		For Waterproof Glue, Add	*0.36*	
		For Ceiling Installation, Add	*1.57*	
		For Installation On Metal Studs Or Furring, Add	*0.58*	
		For Glue Laminated Installation, Add	*0.52*	
		For Lumber Core, Add	*0.56*	
		For 1/8" Thick Paneling, Deduct	*-1.22*	
		For 1/2" Thick Paneling, Add	*3.39*	
		For 5/8" Thick Paneling, Add	*4.46*	
		For 3/4" Thick Paneling, Add	*5.84*	
		For Fire Retardant Treatment (Class I), Add	*4.04*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.01	1.97
		For Flitch Matched Veneer, Add	*0.55*	
		For Second Grade Veneer, Deduct	*-0.11*	
		For Third Grade Veneer, Deduct	*-0.16*	
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.18*	
		For Installation On Metal Studs Or Furring, Add	*0.43*	
		For Glue Laminated Installation, Add	*0.25*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.46*	
		For 1/2" Thick Paneling, Add	*1.06*	
		For 5/8" Thick Paneling, Add	*1.29*	
		For 3/4" Thick Paneling, Add	*1.58*	
		For Fire Retardant Treatment (Class I), Add	*0.86*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.03	1.97
		For Flitch Matched Veneer, Add	*2.06*	
		For Second Grade Veneer, Deduct	*-0.41*	
		For Third Grade Veneer, Deduct	*-0.62*	
		For Waterproof Glue, Add	*0.29*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.45*	
		For Lumber Core, Add	*0.45*	
		For 1/8" Thick Paneling, Deduct	*-1.03*	
		For 1/2" Thick Paneling, Add	*2.81*	
		For 5/8" Thick Paneling, Add	*3.67*	
		For 3/4" Thick Paneling, Add	*4.78*	
		For Fire Retardant Treatment (Class I), Add	*3.25*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	6.19	1.97
		For Flitch Matched Veneer, Add	*0.91*	
		For Second Grade Veneer, Deduct	*-0.18*	
		For Third Grade Veneer, Deduct	*-0.27*	
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.61*	
		For 1/2" Thick Paneling, Add	*1.51*	
		For 5/8" Thick Paneling, Add	*1.89*	
		For 3/4" Thick Paneling, Add	*2.38*	
		For Fire Retardant Treatment (Class I), Add	*1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	7.33	1.97
		For Flitch Matched Veneer, Add	*1.21*	
		For Second Grade Veneer, Deduct	*-0.24*	
		For Third Grade Veneer, Deduct	*-0.36*	
		For Waterproof Glue, Add	*0.17*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.27*	
		For 1/8" Thick Paneling, Deduct	*-0.75*	
		For 1/2" Thick Paneling, Add	*1.89*	
		For 5/8" Thick Paneling, Add	*2.40*	
		For 3/4" Thick Paneling, Add	*3.05*	
		For Fire Retardant Treatment (Class I), Add	*1.90*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	11.97	1.97
		For Flitch Matched Veneer, Add	*2.91*	
		For Second Grade Veneer, Deduct	*-0.58*	
		For Third Grade Veneer, Deduct	*-0.87*	
		For Waterproof Glue, Add	*0.41*	
		For Ceiling Installation, Add	*1.85*	
		For Installation On Metal Studs Or Furring, Add	*0.68*	
		For Glue Laminated Installation, Add	*0.60*	
		For Lumber Core, Add	*0.64*	
		For 1/8" Thick Paneling, Deduct	*-1.40*	
		For 1/2" Thick Paneling, Add	*3.88*	
		For 5/8" Thick Paneling, Add	*5.10*	
		For 3/4" Thick Paneling, Add	*6.67*	
		For Fire Retardant Treatment (Class I), Add	*4.60*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.02	1.97
		For Flitch Matched Veneer, Add	*2.05*	
		For Second Grade Veneer, Deduct	*-0.41*	
		For Third Grade Veneer, Deduct	*-0.62*	
		For Waterproof Glue, Add	*0.29*	
		For Ceiling Installation, Add	*1.48*	
		For Installation On Metal Studs Or Furring, Add	*0.54*	
		For Glue Laminated Installation, Add	*0.45*	
		For Lumber Core, Add	*0.45*	
		For 1/8" Thick Paneling, Deduct	*-1.03*	
		For 1/2" Thick Paneling, Add	*2.80*	
		For 5/8" Thick Paneling, Add	*3.67*	
		For 3/4" Thick Paneling, Add	*4.77*	
		For Fire Retardant Treatment (Class I), Add	*3.24*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	7.86	1.97
		For Flitch Matched Veneer, Add	*1.75*	
		For Second Grade Veneer, Deduct	*-0.35*	
		For Third Grade Veneer, Deduct	*-0.52*	
		For Waterproof Glue, Add	*0.24*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.39*	
		For Lumber Core, Add	*0.38*	
		For 1/8" Thick Paneling, Deduct	*-0.89*	
		For 1/2" Thick Paneling, Add	*2.41*	
		For 5/8" Thick Paneling, Add	*3.14*	
		For 3/4" Thick Paneling, Add	*4.08*	
		For Fire Retardant Treatment (Class I), Add	*2.76*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	6.23	1.97
		For Flitch Matched Veneer, Add	*0.93*	
		For Second Grade Veneer, Deduct	*-0.19*	
		For Third Grade Veneer, Deduct	*-0.28*	
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.31*	
		For Installation On Metal Studs Or Furring, Add	*0.48*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.53*	
		For 5/8" Thick Paneling, Add	*1.92*	
		For 3/4" Thick Paneling, Add	*2.42*	
		For Fire Retardant Treatment (Class I), Add	*1.47*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	41.05	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	10.86	3.80

06 43 Wood Stairs and Railings *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001 Stair Parts *(06 43 13)*

06 43 13 00-0002	EA	30" Baluster, Pine	56.85	22.02
06 43 13 00-0003	EA	30" Baluster, Birch	67.74	22.02
06 43 13 00-0004	EA	42" Baluster, Pine	64.48	22.77
06 43 13 00-0005	EA	42" Baluster, Birch	76.09	22.77
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	341.39	86.55
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	500.15	121.47
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	202.39	75.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*24.93*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	237.65	83.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.40*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	41.57	11.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.74*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	54.82	6.40
		For Beech, Add	*12.63*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.93*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	66.80	6.40
		For Beech, Add	*16.22*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.93*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	29.70	6.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.93*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	40.86	6.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.05*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	38.32	6.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.05*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	21.99	6.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.05*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	21.19	6.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.05*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	45.30	

06 43 13 00-0019 Interior Box Stairs *(06 43 13)*

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	300.54	66.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*21.70*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*72.30*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*23.79*	
		For Oak Or Maple Treads, Add	*92.79*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	318.93	67.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.19*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*72.95*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.06*	
		For Oak Or Maple Treads, Add	*100.10*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	336.28	68.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.45*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*73.28*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.20*	
		For Oak Or Maple Treads, Add	*107.41*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	356.39	69.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.69*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*73.60*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.33*	
		For Oak Or Maple Treads, Add	*115.97*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	368.23	69.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.94*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*73.93*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.47*	
		For Oak Or Maple Treads, Add	*120.82*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	381.17	71.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.44*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*74.58*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.74*	
		For Oak Or Maple Treads, Add	*125.66*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	393.03	72.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.69*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*74.91*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.88*	
		For Oak Or Maple Treads, Add	*130.50*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	404.89	72.89
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.95*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*75.24*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.02*	
		For Oak Or Maple Treads, Add	*135.35*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	416.71	73.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*24.19*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*75.55*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.15*	
		For Oak Or Maple Treads, Add	*140.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	430.63	75.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*24.94*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*76.54*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.56*	
		For Oak Or Maple Treads, Add	*144.98*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	18.43	5.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.49*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	19.96	5.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.49*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	25.07	5.43
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	26.35	5.43
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	30.94	5.43
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	45.12	5.43

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	76.23	6.85
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	95.14	10.02
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	116.91	11.60
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	140.28	12.12
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	315.78	13.71
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	367.08	14.76
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	442.26	15.81
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	528.42	16.87
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	87.98	6.85
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	104.56	10.02
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	129.91	11.60
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	154.18	12.12
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	344.02	13.71
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	468.39	14.76
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	505.02	15.81
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	568.76	16.87

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	92.01	6.85
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	113.08	10.02
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	140.22	11.60
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	169.42	12.12
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	388.89	13.71
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	452.70	14.76
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	546.40	15.81
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	653.85	16.87
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	106.72	6.85
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	125.94	10.02
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	157.08	11.60
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	187.27	12.12
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	424.26	13.71
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	579.70	14.76
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	625.07	15.81
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	704.46	16.87

06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	81.81	6.85
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	101.86	10.02
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	125.36	11.60
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	150.74	12.12
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	94.61	6.85
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	112.12	10.02
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	139.52	11.60
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	165.88	12.12

06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed redwood.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	128.77	6.85
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	154.32	10.02
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	192.67	11.60
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	236.22	12.12
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	148.50	6.85
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	175.39	10.02
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	217.33	11.60
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	268.50	12.12

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	405.03	14.23
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	614.40	15.81
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	857.27	18.45
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,095.66	21.09
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	360.20	14.23
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	502.33	15.81
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	624.16	18.45
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	817.72	21.09
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	379.18	14.76
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	502.33	15.81
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	624.16	18.45
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	795.30	21.09
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	383.67	14.76
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	547.16	15.81
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	646.57	18.45
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	889.44	21.09
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	383.67	14.76
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	596.47	15.81
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	790.02	18.45
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	979.10	21.09

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	821.94	14.23
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	923.72	15.81
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,175.55	18.45
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,292.90	21.09
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	544.00	14.23
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	632.34	15.81
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	781.06	18.45
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	983.58	21.09
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	522.64	14.76
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	686.13	15.81
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	830.37	18.45
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	983.58	21.09
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	621.26	14.76
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	825.10	15.81
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	928.99	18.45
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,180.83	21.09
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	522.64	14.76
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	677.16	15.81
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	884.16	18.45
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,131.52	21.09
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	589.88	14.76
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	721.99	15.81
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	879.68	18.45
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	983.58	21.09

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	5.24	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	5.29	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	6.75	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	5.35	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	5.77	2.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	7.01	1.30
		For Clear Birch, Add	*0.85*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.48*	
		For Clear Poplar, Add	*0.53*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.50	1.63
		For Clear Birch, Add	*0.98*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.92*	
		For Stain Grade Material (No Finger Joints), Add	*0.55*	
		For Clear Poplar, Add	*0.61*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	10.72	1.84
		For Clear Birch, Add	*1.52*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.73*	
		For Stain Grade Material (No Finger Joints), Add	*0.86*	
		For Clear Poplar, Add	*0.95*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	6.85	2.06
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	6.61	2.06
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	6.07	2.06

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	8.72	1.95
		For Birch, Add	*1.40*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.41*	
		For Poplar, Add	*0.88*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	10.93	1.95
		For Birch, Add	*2.11*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.40*	
		For Poplar, Add	*1.32*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	6.45	1.95
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.77*	
		For Poplar, Add	*0.64*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	6.33	1.95
		For Birch, Add	*0.72*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.33*	
		For Poplar, Add	*0.90*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	8.12	2.06
		For Birch, Add	*1.30*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.07*	
		For Poplar, Add	*1.62*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	11.58	2.16
		For Birch, Add	*2.47*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.56*	
		For Poplar, Add	*3.09*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	13.46	2.16
		For Birch, Add	*3.07*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.33*	
		For Poplar, Add	*3.84*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	15.63	2.28
		For Birch, Add	*3.77*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.23*	
		For Poplar, Add	*4.71*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	20.33	2.50
		For Birch, Add	*5.36*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*7.25*	
		For Poplar, Add	*6.71*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	5.04	2.16
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	5.76	2.41
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	6.21	2.53
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	7.29	2.83
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	4.99	2.16
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	5.68	2.41
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	6.32	2.53
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	7.61	2.83
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	6.90	2.16
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	8.19	2.41
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	9.34	2.53
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	12.13	2.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0015		Cedar Fascia Board *(06 46 29 00-0001)*		
06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	5.38	2.16
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	6.28	2.41
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	7.22	2.53
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	8.71	2.83
06 46 29 00-0020		Engineered Wood Fascia Board *(06 46 29 00-0001)*		
06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	4.85	2.16
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	5.50	2.41
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	6.68	2.83
06 46 29 00-0024		Soffit *(06 46 29)*		
06 46 29 00-0025		Sanded Plywood Soffit *(06 46 29 00-0024)*		
06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	4.49	1.64
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	4.94	1.73
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	5.19	1.80
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	5.76	1.90
06 46 29 00-0030		MDO Plywood Soffit *(06 46 29 00-0024)*		
06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	5.05	1.64
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	5.65	1.73
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	7.13	1.90
06 46 29 00-0034		Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0024)*		
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	3.63	1.43
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	3.94	1.50

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001		Ash *(06 46 36)*		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	8.30	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	10.66	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	13.04	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	15.40	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	17.88	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	20.36	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	22.71	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	25.10	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	27.40	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	29.92	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	32.33	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	9.96	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	13.07	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	16.18	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	19.30	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	22.58	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	25.81	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	28.91	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	32.03	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	35.15	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	38.40	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	41.56	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	12.05	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	16.17	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	20.29	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	24.41	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	28.67	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	32.91	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	37.02	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	41.16	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	45.24	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	49.51	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	53.68	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	15.04	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	20.60	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	26.16	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	31.73	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	37.31	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	43.10	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	48.75	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	54.25	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	59.76	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	66.00	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	71.08	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0046		Basswood *(06 46 36)*		
06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	6.81	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	8.42	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	10.05	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	11.66	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	13.40	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	15.13	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	16.73	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	18.38	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	19.93	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	21.70	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	23.36	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	7.83	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	9.87	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	11.91	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	13.96	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	16.17	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	18.34	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	20.37	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	22.43	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	24.47	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	26.66	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	28.75	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	10.87	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	14.41	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	17.94	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	21.48	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	25.14	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	28.80	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	32.32	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	35.88	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	39.37	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	43.05	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	46.64	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	43.95	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	53.97	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	63.91	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	74.06	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	83.99	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	94.12	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	103.94	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	113.88	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	124.03	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	

06 46 36 00-0089 Birch *(06 46 36)*

06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	7.34	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	9.22	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	11.11	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	13.00	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	15.00	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	17.00	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	18.87	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	20.78	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	22.60	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	24.63	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	26.56	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	8.63	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	11.04	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	13.51	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	15.99	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	18.58	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	21.11	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	23.57	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	26.06	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	28.48	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	31.04	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	33.56	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	10.12	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	13.29	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	16.45	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	19.61	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	22.90	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	26.18	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	29.34	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	32.52	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	35.63	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	38.94	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	42.15	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	12.48	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	16.76	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	21.04	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	25.32	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	29.63	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	34.14	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	38.40	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	42.72	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	46.95	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	51.91	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	55.71	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0134		Clear Western Cedar *(06 46 36)*		
06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	7.34	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	9.22	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	11.11	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	13.00	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	15.00	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	17.00	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	8.73	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	11.25	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	13.78	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	16.31	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	18.95	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	21.59	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	11.51	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	15.37	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	19.22	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	23.08	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	27.06	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	31.04	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	11.83	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	15.80	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	19.76	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	23.72	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	27.70	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	31.90	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	38.83	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	47.56	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	56.22	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	65.09	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	73.74	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	82.49	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	91.13	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	99.79	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	108.66	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	

06 46 36 00-0168 Cherry *(06 46 36)*

06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	9.05	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	11.78	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	14.53	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	17.27	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	20.12	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	22.98	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	25.70	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	28.47	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	31.14	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	34.03	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	36.81	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	10.87	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	14.46	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	18.05	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	21.64	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	25.35	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	29.06	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	32.64	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	36.30	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	39.79	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	43.53	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	47.17	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	12.85	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	17.40	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	21.89	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	26.44	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	31.07	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	35.74	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	40.22	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	44.79	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	49.24	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	53.94	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	58.48	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	16.53	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	22.84	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	29.15	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	35.46	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	41.79	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	48.33	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	54.63	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	60.98	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	67.23	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	73.79	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	80.05	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0213		Cypress *(06 46 36)*		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	6.81	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	8.42	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	10.05	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	11.66	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	13.40	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	15.13	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	17.16	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	18.86	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	22.07	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	24.05	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	9.16	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	11.84	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	14.58	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	17.32	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	20.18	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	22.98	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	25.70	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	28.46	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	31.14	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	34.08	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	36.76	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	10.77	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	14.20	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	17.63	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	21.05	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	24.50	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	28.16	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	31.57	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	35.04	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	41.61	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	45.40	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0245		**Fir** *(06 46 36)*		
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	7.66	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	9.70	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	11.75	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	13.80	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	15.96	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	18.12	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	20.15	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	22.22	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	24.20	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	26.39	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	9.16	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	11.84	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	14.58	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	17.32	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	20.18	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	22.98	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	25.70	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	28.46	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	31.14	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	34.08	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	36.76	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	10.28	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	13.55	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	16.77	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	20.04	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	23.38	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	26.77	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	29.98	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	33.26	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	36.43	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	39.85	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	43.11	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	11.83	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	15.80	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	19.76	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	23.72	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	27.70	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	31.90	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	35.84	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	39.84	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	43.74	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	47.86	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	51.87	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	19.71	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	27.50	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	35.30	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	43.19	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	50.99	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	58.99	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	66.80	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	74.80	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	82.49	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	90.28	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	44.06	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	53.97	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	63.91	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	74.06	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	83.99	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	94.02	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	103.94	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	113.88	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	9.69	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	12.75	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	15.81	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	18.87	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	22.04	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	25.22	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	28.26	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	31.35	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.13*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	34.34	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	37.55	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	40.65	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	11.83	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	15.84	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	19.91	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	23.99	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	28.18	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	32.32	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	36.38	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	40.47	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	44.49	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	48.65	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	53.30	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	13.49	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	18.36	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	23.17	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	28.04	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	32.99	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	37.98	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	42.78	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	47.67	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	51.37	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	57.46	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	62.33	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	16.74	1.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	23.16	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	29.58	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	36.00	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	42.43	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	49.08	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	55.48	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	61.94	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	68.29	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	74.86	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	81.44	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	19.97	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	27.98	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	35.94	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	44.05	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	52.00	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	60.22	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	68.17	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	76.29	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	84.25	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	92.26	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	100.43	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	24.62	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	33.27	1.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	42.98	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.05*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	52.80	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	62.52	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	72.44	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	82.17	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	91.99	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	101.70	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	111.42	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	121.35	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.40*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	58.46	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	72.11	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	85.68	1.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	99.46	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	113.02	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	126.68	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	140.23	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	153.80	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	167.57	1.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0383		**Maple** *(06 46 36)*		
06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	7.24	1.20
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	9.06	1.20
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	10.90	1.20
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	12.73	1.30
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	14.68	1.30
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	16.62	1.41
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	18.44	1.41
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	20.30	1.41
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	22.07	1.52
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	24.05	1.63
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	25.92	1.63
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	8.63	1.20
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	11.04	1.20
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	13.51	1.30
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	15.99	1.30
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	18.58	1.41
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	21.11	1.41
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	23.57	1.41
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	26.06	1.52
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	28.48	1.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	29.97	1.63
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	33.56	1.63
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	9.80	1.20
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	12.81	1.20
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	15.81	1.30
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	18.81	1.30
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	21.94	1.41
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	25.06	1.41
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	28.05	1.52
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	31.08	1.52
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	34.03	1.52
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	37.18	1.63
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	40.23	1.73
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	12.26	1.20
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	16.44	1.30
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	20.61	1.30
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	24.79	1.41
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	28.99	1.41
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	33.39	1.52
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	37.55	1.52
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	42.30	1.63
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	45.88	1.63
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	50.31	1.73
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	54.43	1.73
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	16.24	1.30
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	22.38	1.30
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	28.47	1.30
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	34.71	1.41
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	40.79	1.41
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	47.14	1.52
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	53.23	1.52
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	59.48	1.63
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	65.57	1.63
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	71.71	1.73
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	78.55	1.84
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	62.73	1.41
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	77.45	1.41
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	92.09	1.52
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	106.93	1.63
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	121.56	1.63
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	136.28	1.73
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	150.90	1.73
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	165.54	1.73
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	180.38	1.84

06 46 36 00-0448 Appl Soft Maple *(06 46 36)*

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	7.34	1.20
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	9.22	1.20
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	11.11	1.20
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	13.00	1.30
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	15.00	1.30
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	17.00	1.41
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	18.87	1.41
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	20.78	1.41
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	22.60	1.52
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	24.63	1.63
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	26.56	1.63
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	8.36	1.20
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	10.67	1.20
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	12.98	1.30
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	15.24	1.30
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	17.78	1.41
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	20.20	1.41
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	22.50	1.41
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	24.83	1.52
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	27.14	1.52
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	29.60	1.63
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	31.96	1.63
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	9.32	1.20
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	12.11	1.20
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	14.85	1.30
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	17.64	1.30
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	20.50	1.41
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	23.41	1.41
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	26.13	1.52
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	28.94	1.52
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	31.63	1.52
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	34.57	1.63
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	37.35	1.73
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	11.19	1.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	14.84	1.30
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	18.48	1.30
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	22.12	1.41
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	25.78	1.41
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	29.66	1.52
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	33.28	1.52
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	36.96	1.63
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	40.54	1.63
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	44.33	1.73
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	48.03	1.73
06 46 36 00-0493		Red Oak *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	7.88	1.20
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	10.02	1.20
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	12.18	1.20
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	14.33	1.30
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	16.60	1.30
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	18.87	1.41
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	21.00	1.41
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	23.18	1.41
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	25.27	1.52
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	27.57	1.63
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	29.77	1.63
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	9.53	1.20
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	12.48	1.20
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	15.38	1.30
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	19.40	1.30
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	21.35	1.41
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	24.42	1.41
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	27.30	1.41
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	30.22	1.52
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	33.12	1.52
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	36.22	1.63
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	39.16	1.63
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	11.88	1.20
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	15.95	1.20
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	19.97	1.30
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	24.04	1.30
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	28.19	1.41
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	32.37	1.41
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	36.38	1.52
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	40.47	1.52
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	44.44	1.52
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	48.65	1.63
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	52.72	1.73
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	16.74	1.20
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	23.16	1.30
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	29.58	1.30
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	36.00	1.30
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	42.43	1.41
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	49.19	1.52
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	55.48	1.52
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	63.00	1.63
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	68.29	1.63
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	74.86	1.63
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	81.33	1.73
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	25.84	1.30
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	36.79	1.30
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	47.68	1.30
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	58.72	1.41
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	69.61	1.41
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	80.77	1.52
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	91.66	1.52
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	102.71	1.63
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	113.60	1.63
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	124.54	1.73
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	135.65	1.84
06 46 36 00-0549		White Oak *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	7.98	1.20
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	10.18	1.20
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	12.40	1.20
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	14.60	1.30
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	16.92	1.30
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	19.24	1.41
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	21.43	1.41
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	23.66	1.41
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	25.80	1.52
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	28.15	1.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	30.41	1.63
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	9.53	1.20
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	12.48	1.20
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	15.38	1.30
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	19.40	1.30
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	21.35	1.41
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	24.42	1.41
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	27.30	1.41
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	30.22	1.52
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	33.12	1.52
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	36.22	1.63
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	39.16	1.63
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	12.05	1.20
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	16.17	1.20
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	20.29	1.30
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	24.41	1.30
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	28.67	1.41
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	32.91	1.41
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	37.02	1.52
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	41.16	1.52
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	45.24	1.52
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	49.51	1.63
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	53.68	1.73
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	19.95	1.20
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	27.97	1.30
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	35.98	1.30
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	44.00	1.41
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	52.04	1.41
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	60.29	1.52
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	68.29	1.52
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	76.35	1.63
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	83.24	1.63
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	92.47	1.73
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	100.54	1.73
06 46 36 00-0594		White Pine *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	8.94	1.20
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	11.62	1.20
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	14.32	1.20
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	17.00	1.30
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	19.80	1.30
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	22.60	1.41
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	25.27	1.41
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	27.98	1.41
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	32.21	1.52
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	35.20	1.63
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	10.07	1.20
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	13.28	1.20
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	16.44	1.30
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	19.67	1.30
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	22.95	1.41
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	26.29	1.41
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	29.44	1.41
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	32.67	1.52
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	35.79	1.52
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	39.15	1.63
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	42.36	1.63
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	11.40	1.20
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	15.21	1.20
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	19.12	1.30
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	22.81	1.30
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	26.74	1.41
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	30.67	1.41
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	34.46	1.52
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	38.28	1.52
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	42.03	1.52
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	45.99	1.63
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	49.84	1.73
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	14.40	1.20
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	19.64	1.30
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	24.88	1.30
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	30.13	1.41
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	35.39	1.41
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	40.86	1.52
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	46.09	1.52
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	51.37	1.63
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	57.62	1.63
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	61.95	1.73
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	67.24	1.73
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	22.37	1.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	31.56	1.30
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	40.74	1.30
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	50.02	1.41
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	59.21	1.41
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	68.60	1.52
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	77.78	1.52
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	87.07	1.63
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	96.25	1.63
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	105.44	1.73
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	114.84	1.84
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	26.75	1.30
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	38.07	1.30
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	49.39	1.41
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	60.81	1.41
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	72.12	1.41
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	83.65	1.52
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	94.98	1.63
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	106.39	1.63
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	117.71	1.73
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	129.03	1.73
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	140.57	1.84
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	68.71	1.41
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	84.92	1.41
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	101.05	1.52
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	117.39	1.63
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	133.51	1.63
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	149.73	1.73
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	165.84	1.73
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	181.97	1.73
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	198.31	1.84
06 46 36 00-0669		**Clear Yellow Pine** *(06 46 36)*		
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	5.95	1.20
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	7.14	1.20
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	8.34	1.20
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	9.53	1.30
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	10.83	1.30
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	12.14	1.41
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	13.32	1.41
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	14.54	1.41
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	6.87	1.20
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	8.48	1.20
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.04	1.30
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	11.66	1.30
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	13.35	1.41
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	15.08	1.41
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	17.16	1.41
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	18.85	1.52
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	7.99	1.20
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.03	1.30
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	12.07	1.30
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	14.12	1.41
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	16.18	1.41
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	18.45	1.52
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	20.47	1.52
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	22.55	1.63
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	26.13	1.63
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	26.94	1.73
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	6.27	1.20
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	7.62	1.20
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	8.98	1.20
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	10.33	1.30
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	11.79	1.30
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	13.26	1.41
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	14.60	1.41
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	15.98	1.41
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	17.26	1.52
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	18.76	1.63
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	20.27	1.63
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	7.29	1.20
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.07	1.20
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	10.84	1.30
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	12.63	1.30
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	14.57	1.41
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	16.47	1.41
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	18.23	1.41
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	20.03	1.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	21.80	1.52
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	23.73	1.63
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	25.55	1.63
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	8.20	1.20
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	10.40	1.20
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	12.61	1.30
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	14.81	1.30
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	17.14	1.41
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	19.46	1.41
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	21.65	1.52
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	23.87	1.52
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	26.02	1.52
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	28.37	1.63
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	30.63	1.73
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	10.34	1.20
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	13.56	1.30
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	16.77	1.30
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	19.99	1.41
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	23.22	1.41
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	26.67	1.52
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	29.86	1.52
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	33.12	1.63
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	36.27	1.63
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	39.64	1.73
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	42.90	1.73
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	13.57	1.30
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	18.38	1.30
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	23.13	1.30
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	28.04	1.41
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	32.79	1.41
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	37.80	1.52
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	42.56	1.52
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	47.47	1.63
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	52.23	1.63
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	57.03	1.73
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	62.01	1.84
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	16.83	1.30
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	23.18	1.30
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	29.54	1.41
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	35.99	1.41
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	42.34	1.41
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	48.91	1.52
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	55.27	1.63
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	61.73	1.63
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	68.08	1.73
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	74.43	1.73
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	81.01	1.84
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	40.53	1.41
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	49.70	1.41
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	58.78	1.52
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	68.19	1.63
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	77.16	1.63
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	86.33	1.73
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	95.40	1.73
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	104.48	1.73
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	113.78	1.84

06 46 36 00-0772 Clear Heart Redwood *(06 46 36)*

06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	7.77	1.20
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	9.86	1.20
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	11.97	1.20
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	14.06	1.30
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	16.28	1.30
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	18.49	1.41
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	22.71	1.41
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	25.10	1.41
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	25.22	1.52
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	26.98	1.63
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	9.43	1.20
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	12.27	1.20
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	15.11	1.30
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	17.96	1.30
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	20.98	1.41
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	23.94	1.41
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	30.51	1.41
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	33.85	1.52
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	37.12	1.52
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	40.59	1.63
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	12.48	1.20
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	16.76	1.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	21.04	1.30
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	25.32	1.41
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	29.63	1.41
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	34.25	1.52
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	46.09	1.52
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	51.37	1.63
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	60.82	1.63
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	66.64	1.73
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	64.44	1.41
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	79.58	1.41
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	94.65	1.52
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	109.92	1.63
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	124.97	1.63
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	140.13	1.73
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	155.17	1.73
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	170.23	1.73
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	185.51	1.84
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	22.07	1.20
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	31.32	1.20
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	40.57	1.20
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	49.82	1.30
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	59.19	1.30
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	68.55	1.41
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	77.79	1.41
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	87.06	1.41
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	96.25	1.52
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	105.64	1.63
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	114.94	1.63
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	51.33	1.20
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	59.03	1.30
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	77.40	1.30
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	95.77	1.41
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	114.16	1.41
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	132.23	1.52
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	151.11	1.52
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	169.53	1.63
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	187.84	1.63
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	206.36	1.73
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	224.78	1.73
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	11.93	1.20
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	16.11	1.20
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	20.29	1.20
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	24.47	1.30
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	28.77	1.30
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	33.06	1.41
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	37.23	1.41
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	41.43	1.41
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	45.55	1.52
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	49.88	1.63
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	54.10	1.63
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	14.34	1.20
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	19.69	1.20
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	24.98	1.30
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	30.34	1.30
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	35.76	1.41
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	41.23	1.41
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	46.52	1.41
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	51.89	1.52
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	57.13	1.52
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	62.63	1.63
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	67.98	1.63
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	17.65	1.20
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	24.60	1.20
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	31.50	1.30
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	38.45	1.30
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	45.48	1.41
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	52.55	1.41
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	59.44	1.52
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	66.41	1.52
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	73.25	1.52
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	80.35	1.63
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	87.30	1.73
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	24.00	1.20
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	34.05	1.30
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	44.10	1.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	54.14	1.41
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	64.21	1.41
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	74.48	1.52
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	84.51	1.52
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	94.60	1.63
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	105.65	1.63
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	114.78	1.73
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	124.88	1.73
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	40.52	1.30
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	58.78	1.30
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	77.03	1.30
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	95.38	1.41
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	113.64	1.41
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	132.10	1.52
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	150.36	1.52
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	168.72	1.63
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	186.98	1.63
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	205.23	1.73
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	223.71	1.84
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	50.77	1.30
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	74.09	1.30
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	97.42	1.41
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	120.84	1.41
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	144.17	1.41
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	167.70	1.52
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	191.04	1.63
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	214.46	1.63
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	237.79	1.73
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	261.11	1.73
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	284.66	1.84

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	290.20	61.54
		For Birch, Add	*58.53*	
		For Mahogany, Add	*142.15*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	305.10	64.49
		For Birch, Add	*61.84*	
		For Mahogany, Add	*150.19*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	320.02	67.00
		For Birch, Add	*65.15*	
		For Mahogany, Add	*158.22*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	348.52	71.71
		For Birch, Add	*71.76*	
		For Mahogany, Add	*174.28*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	377.66	76.85
		For Birch, Add	*78.38*	
		For Mahogany, Add	*190.35*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	430.69	61.76
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	438.69	64.49
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	446.65	67.23
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	460.51	71.60
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	476.64	77.07
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	338.69	61.76
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	354.99	64.49
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	371.39	67.23
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	401.85	71.60
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	434.47	77.07

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	145.11	29.29
		For Oak Or Maple, Add	*26.83*	
		For Birch, Add	*30.29*	
		For Mahogany, Add	*73.57*	
		For Walnut Frame, Add	*38.95*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	146.12	29.40
		For Oak Or Maple, Add	*27.06*	
		For Birch, Add	*30.55*	
		For Mahogany, Add	*74.19*	
		For Walnut Frame, Add	*39.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	147.93	29.95
		For Oak Or Maple, Add	*27.26*	
		For Birch, Add	*30.78*	
		For Mahogany, Add	*74.75*	
		For Walnut Frame, Add	*39.57*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	150.30	30.72
		For Oak Or Maple, Add	*27.53*	
		For Birch, Add	*31.08*	
		For Mahogany, Add	*75.49*	
		For Walnut Frame, Add	*39.96*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	153.76	31.48
		For Oak Or Maple, Add	*28.11*	
		For Birch, Add	*31.74*	
		For Mahogany, Add	*77.09*	
		For Walnut Frame, Add	*40.81*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	162.43	33.45
		For Oak Or Maple, Add	*29.60*	
		For Birch, Add	*33.42*	
		For Mahogany, Add	*81.16*	
		For Walnut Frame, Add	*42.97*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	172.71	36.19
		For Oak Or Maple, Add	*31.09*	
		For Birch, Add	*35.10*	
		For Mahogany, Add	*85.25*	
		For Walnut Frame, Add	*45.13*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	181.95	38.47
		For Oak Or Maple, Add	*32.58*	
		For Birch, Add	*36.78*	
		For Mahogany, Add	*89.33*	
		For Walnut Frame, Add	*47.29*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	6.84	2.62
		For Oak Or Maple, Add	*0.49*	
		For Birch, Add	*0.56*	
		For Mahogany, Add	*1.35*	
		For Walnut Frame, Add	*0.72*	

06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

06 49 19 Exterior Wood Shutters *(06 49)*

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	11.67	1.76
		For Reinforced Structural Plastic Lumber, Add	*3.39*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.82*	
		For White Color, Add	*3.89*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.30*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	14.92	1.91
		For Reinforced Structural Plastic Lumber, Add	*4.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.10*	
		For White Color, Add	*5.18*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.38*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	17.86	2.06
		For Reinforced Structural Plastic Lumber, Add	*5.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.34*	
		For White Color, Add	*6.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.37*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	26.11	2.45
		For Reinforced Structural Plastic Lumber, Add	*8.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.03*	
		For White Color, Add	*9.61*	
		For All Other Colors (Except Black, Brown Or White), Add	*8.14*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	31.26	2.76
		For Reinforced Structural Plastic Lumber, Add	*10.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.46*	
		For White Color, Add	*11.61*	
		For All Other Colors (Except Black, Brown Or White), Add	*9.84*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	16.84	2.37
		For Reinforced Structural Plastic Lumber, Add	*4.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.21*	
		For White Color, Add	*5.72*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	22.71	2.52
		For Reinforced Structural Plastic Lumber, Add	*7.07*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.72*	
		For White Color, Add	*8.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.88*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	23.64	2.60
		For Reinforced Structural Plastic Lumber, Add	*7.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.79*	
		For White Color, Add	*8.47*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.17*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	32.64	2.83
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.15*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.29*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	44.55	2.99
		For Reinforced Structural Plastic Lumber, Add	*14.90*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.63*	
		For White Color, Add	*17.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*14.50*	
06 51 13 00-0012		**Joists, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	7.60	0.99
		For Reinforced Structural Plastic Lumber, Add	*2.29*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.56*	
		For White Color, Add	*2.63*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.22*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	10.58	1.04
		For Reinforced Structural Plastic Lumber, Add	*3.39*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.82*	
		For White Color, Add	*3.89*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.30*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	13.82	1.15
		For Reinforced Structural Plastic Lumber, Add	*4.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.10*	
		For White Color, Add	*5.18*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.38*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	16.87	1.37
		For Reinforced Structural Plastic Lumber, Add	*5.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.34*	
		For White Color, Add	*6.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.37*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	24.91	1.61
		For Reinforced Structural Plastic Lumber, Add	*8.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.03*	
		For White Color, Add	*9.61*	
		For All Other Colors (Except Black, Brown Or White), Add	*8.14*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	30.28	2.06
		For Reinforced Structural Plastic Lumber, Add	*10.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.46*	
		For White Color, Add	*11.61*	
		For All Other Colors (Except Black, Brown Or White), Add	*9.84*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	15.52	1.45
		For Reinforced Structural Plastic Lumber, Add	*4.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.21*	
		For White Color, Add	*5.72*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.84*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	21.29	1.54
		For Reinforced Structural Plastic Lumber, Add	*7.07*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.72*	
		For White Color, Add	*8.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.88*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	22.32	1.69
		For Reinforced Structural Plastic Lumber, Add	*7.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.79*	
		For White Color, Add	*8.47*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	31.31	1.91
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.15*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.29*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	43.24	2.06
		For Reinforced Structural Plastic Lumber, Add	*14.90*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.63*	
		For White Color, Add	*17.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*14.50*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	17.93	3.14
		For Reinforced Structural Plastic Lumber, Add	*4.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.21*	
		For White Color, Add	*5.72*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.84*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	25.44	4.43
		For Reinforced Structural Plastic Lumber, Add	*7.07*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.72*	
		For White Color, Add	*8.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.88*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	27.03	4.97
		For Reinforced Structural Plastic Lumber, Add	*7.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.79*	
		For White Color, Add	*8.47*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.17*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	36.67	5.66
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.15*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.29*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	50.22	6.96
		For Reinforced Structural Plastic Lumber, Add	*14.90*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.63*	
		For White Color, Add	*17.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*14.50*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	6.82	0.99
		For Reinforced Structural Plastic Lumber, Add	*2.00*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.49*	
		For White Color, Add	*2.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.94*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	7.83	1.15
		For Reinforced Structural Plastic Lumber, Add	*2.29*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.56*	
		For White Color, Add	*2.63*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.22*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	10.91	1.22
		For Reinforced Structural Plastic Lumber, Add	*3.39*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.82*	
		For White Color, Add	*3.89*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.30*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	14.03	1.30
		For Reinforced Structural Plastic Lumber, Add	*4.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.10*	
		For White Color, Add	*5.18*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.38*	
06 51 13 00-0035		**Other Shapes, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	6.65	0.87
		For Reinforced Structural Plastic Lumber, Add	*1.97*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.48*	
		For White Color, Add	*2.26*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.92*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	8.47	0.99
		For Reinforced Structural Plastic Lumber, Add	*2.61*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.63*	
		For White Color, Add	*3.00*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.54*	
06 51 13 00-0038	LF	5/4" x 8", Recycled Plastic Lumber	11.11	0.99
		For Reinforced Structural Plastic Lumber, Add	*3.59*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.87*	
		For White Color, Add	*4.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.49*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	6.69	0.87
		For Reinforced Structural Plastic Lumber, Add	*1.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.48*	
		For White Color, Add	*2.28*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.93*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	7.40	0.99
		For Reinforced Structural Plastic Lumber, Add	*2.21*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.54*	
		For White Color, Add	*2.54*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.15*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	7.54	0.99
		For Reinforced Structural Plastic Lumber, Add	*2.26*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.55*	
		For White Color, Add	*2.60*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.20*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	4.62	0.84
		For Reinforced Structural Plastic Lumber, Add	*1.26*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.31*	
		For White Color, Add	*1.45*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.23*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	6.82	0.99
		For Reinforced Structural Plastic Lumber, Add	*2.00*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.49*	
		For White Color, Add	*2.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.94*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	7.83	1.15
		For Reinforced Structural Plastic Lumber, Add	*2.29*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.56*	
		For White Color, Add	*2.63*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.22*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	10.91	1.22
		For Reinforced Structural Plastic Lumber, Add	*3.39*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.82*	
		For White Color, Add	*3.89*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.30*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	14.03	1.30
		For Reinforced Structural Plastic Lumber, Add	*4.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.10*	
		For White Color, Add	*5.18*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.38*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	16.87	1.37
		For Reinforced Structural Plastic Lumber, Add	*5.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.34*	
		For White Color, Add	*6.34*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.37*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	20.40	1.45
		For Reinforced Structural Plastic Lumber, Add	*6.79*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.65*	
		For White Color, Add	*7.79*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.60*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	11.22	1.34
		For Reinforced Structural Plastic Lumber, Add	*3.44*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.84*	
		For White Color, Add	*3.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.35*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	16.46	1.43
		For Reinforced Structural Plastic Lumber, Add	*5.34*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.30*	
		For White Color, Add	*6.13*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	21.46	1.54
		For Reinforced Structural Plastic Lumber, Add	*7.14*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.74*	
		For White Color, Add	*8.20*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.94*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	24.91	1.61
		For Reinforced Structural Plastic Lumber, Add	*8.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.03*	
		For White Color, Add	*9.61*	
		For All Other Colors (Except Black, Brown Or White), Add	*8.14*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	30.28	2.06
		For Reinforced Structural Plastic Lumber, Add	*10.11*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.46*	
		For White Color, Add	*11.61*	
		For All Other Colors (Except Black, Brown Or White), Add	*9.84*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	15.52	1.45
		For Reinforced Structural Plastic Lumber, Add	*4.98*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.21*	
		For White Color, Add	*5.72*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.84*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	21.29	1.54
		For Reinforced Structural Plastic Lumber, Add	*7.07*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.72*	
		For White Color, Add	*8.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.88*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	28.64	1.66
		For Reinforced Structural Plastic Lumber, Add	*9.72*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.36*	
		For White Color, Add	*11.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*9.46*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	22.32	1.69
		For Reinforced Structural Plastic Lumber, Add	*7.37*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.79*	
		For White Color, Add	*8.47*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.17*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	31.31	1.91
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.15*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.29*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	43.24	2.06
		For Reinforced Structural Plastic Lumber, Add	*14.90*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.63*	
		For White Color, Add	*17.12*	
		For All Other Colors (Except Black, Brown Or White), Add	*14.50*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	61.08	2.30
		For Reinforced Structural Plastic Lumber, Add	*21.39*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*5.20*	
		For White Color, Add	*24.57*	
		For All Other Colors (Except Black, Brown Or White), Add	*20.81*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	54.31	2.21
		For Reinforced Structural Plastic Lumber, Add	*18.93*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*4.60*	
		For White Color, Add	*21.74*	
		For All Other Colors (Except Black, Brown Or White), Add	*18.42*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	92.84	2.30
		For Reinforced Structural Plastic Lumber, Add	*33.14*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*8.06*	
		For White Color, Add	*38.06*	
		For All Other Colors (Except Black, Brown Or White), Add	*32.24*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	128.84	2.41
		For Reinforced Structural Plastic Lumber, Add	*46.41*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*11.29*	
		For White Color, Add	*53.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*45.15*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	4.96	0.76
		For Reinforced Structural Plastic Lumber, Add	*1.43*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.35*	
		For White Color, Add	*1.64*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	14.28	0.99
		For Reinforced Structural Plastic Lumber, Add	*4.76*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.16*	
		For White Color, Add	*5.47*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.63*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	15.75	1.15
		For Reinforced Structural Plastic Lumber, Add	*5.22*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.27*	
		For White Color, Add	*6.00*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.08*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	19.50	1.37
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.58*	
		For White Color, Add	*7.45*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.31*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	43.22	1.61
		For Reinforced Structural Plastic Lumber, Add	*15.14*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.68*	
		For White Color, Add	*17.39*	
		For All Other Colors (Except Black, Brown Or White), Add	*14.73*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.00	0.84
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	5.86	0.87
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	8.49	0.93
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	10.81	0.97

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22)	20.80	2.43
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8)	38.39	2.43
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH)	38.39	2.43
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A)	50.11	2.43
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22)	25.96	2.43
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8)	43.78	2.43
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH)	43.78	2.43
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A)	55.03	2.43
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42)	21.04	2.43
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8)	33.46	2.43
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH)	33.46	2.43
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A)	45.19	2.43
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42)	25.49	2.43
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8)	38.39	2.43
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH)	38.39	2.43
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A)	47.30	2.43

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001 Carbon Fiber Plates *(06 51 33)*

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	19.00	
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	29.99	
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	51.85	
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	51.85	
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	92.54	
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	171.79	
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	172.34	
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	328.43	
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	493.08	
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	982.54	
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	23.83	
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	42.08	
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	72.40	
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	72.40	
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	128.79	
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	243.08	
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	243.63	
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	461.35	
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	698.51	
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,393.39	
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	28.66	
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	46.91	
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	83.27	
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	83.27	
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	166.25	
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	318.00	
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	318.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	527.81	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	802.43	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,590.36	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	32.29	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	55.37	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	91.73	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	91.73	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	168.67	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	316.80	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	317.35	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	606.36	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	917.23	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,828.42	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	37.12	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	67.45	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	108.65	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	108.65	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	195.25	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	372.38	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	372.93	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	707.86	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,073.11	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,136.56	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	35.91	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	63.83	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	108.65	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	108.65	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	181.96	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	353.05	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	353.60	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	671.61	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,061.03	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,074.93	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	44.37	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	87.99	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	132.82	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	132.82	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	230.30	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	438.84	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	439.39	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	840.79	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,273.71	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,541.37	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	50.41	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	90.41	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	152.15	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	152.15	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	261.72	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	505.31	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	505.86	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	961.63	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,454.97	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	2,891.81	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	51.62	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	96.45	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	165.44	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	144.90	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	290.72	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	510.14	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	510.69	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	968.88	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,471.89	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	2,922.02	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	60.08	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	108.54	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	181.15	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	181.15	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	326.97	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	624.94	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	625.49	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,191.22	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,810.24	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,597.52	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	18.90	6.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	26.79	10.12
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	30.99	11.39
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.53	11.91
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.53	13.76
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.31	13.18
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.11	14.23
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	46.93	15.81
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	63.12	16.87
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	83.99	18.45
06 52 13 00-0012		Fluted Fiberglass Columns *(06 52 13)*		
06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	19.88	6.96
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.09	10.12
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.63	11.39
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	40.29	11.91
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	49.13	13.81
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.30	13.18
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.44	14.23
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	49.99	15.81
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	69.00	16.87
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	93.41	18.45
06 52 13 00-0023		Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*		
06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	136.94	15.81
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	181.54	18.45
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	231.48	21.09
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	161.61	15.81
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	194.20	18.45
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	280.80	21.09
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	201.60	15.81
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	244.19	18.45
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	322.13	21.09
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	138.94	15.81
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	185.54	18.45
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	235.48	21.09
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	138.94	15.81
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	166.88	18.45
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	218.81	21.09

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*
Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	46.89	2.71
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	63.64	3.25
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	87.99	3.58

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*
Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	6.13	2.16
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	7.49	2.71
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	5.74	2.28
06 65 00 00-0006		Cornice, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	5.67	2.16
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	6.93	2.28
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	9.31	2.39
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	10.64	2.50
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	12.16	2.61
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	15.40	2.71
06 65 00 00-0013		Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	9.69	2.16
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	12.93	2.71
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	13.44	2.71
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	13.96	2.71
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	18.11	3.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	21.31	3.25
06 65 00 00-0020		**Dentil, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	8.33	2.16
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	9.30	2.16
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	11.50	2.16
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	15.30	2.16
06 65 00 00-0025		**Cove, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.26	1.20
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	3.52	1.20
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	4.60	1.41
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	4.60	1.41
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	5.74	1.41
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	7.47	1.63
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	9.88	1.63
06 65 00 00-0033		**Chair Rail, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	5.39	1.63
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	7.27	2.16
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	8.75	2.16
06 65 00 00-0037		**Door, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	4.79	1.95
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	4.82	1.95
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	5.08	2.28
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	7.43	2.28
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	6.53	2.16
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	7.56	2.16
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	5.54	2.16
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	8.31	2.16
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	6.10	2.16
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)* Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.04	0.87
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	5.80	0.98
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	7.60	1.09
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.16	1.11
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	10.87	1.14
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.96	0.87
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.22	0.98
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	9.18	1.09
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	11.32	1.11
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	13.28	1.14
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	10.82	1.11
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	14.36	1.14
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	7.58	0.98
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	10.92	1.09

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)*

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.48	1.95
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	45.13	1.95
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	59.04	1.95
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.86	2.49
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.80	1.95
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.40	1.95
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.39	1.95
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	67.02	2.49
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	44.10	1.56
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.65	1.71
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	98.29	1.88

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0014		IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.71	1.95
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.97	1.95
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.57	1.95
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.57	2.49
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.61	1.95
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	41.05	1.95
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.98	2.49
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.70	2.49
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.83	1.56
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	55.10	1.71
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.80	1.88
06 74 13 00-0026		Corvex Polyester Resin *(06 74 13 00-0001)* Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	36.17	1.95
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.72	1.95
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.19	1.95
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.46	2.49
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.57	1.95
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.11	1.95
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.98	1.95
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.85	2.49
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	34.24	1.56
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	54.85	1.71
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	76.20	1.88
06 74 13 00-0038		XFR Extra Fire Retardant *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.44	1.95
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.87	1.95
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	71.18	1.95
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.97	2.49
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.79	1.95
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	54.26	1.95
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.97	1.95
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	79.35	2.49
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.57	1.56
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	82.00	1.71
06 74 13 00-0049		ELS Extremely Low Smoke Resin *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.82	1.95
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	53.14	1.95
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	69.26	1.95
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	74.15	2.49
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	57.00	1.95
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.62	1.95
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.95	1.95
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	76.87	2.49
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	56.57	1.56
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	102.28	1.71
06 74 13 00-0060		Pultruded Fiberglass Grating *(06 74 13)*		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0060)* Note: For moderately corrosive environments, green.		
06 74 13 00-0062		1" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.84	2.49
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.41	1.95
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.98	2.49
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.63	1.95
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	30.18	2.49
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	26.68	1.95
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.65	2.49
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	31.23	1.95
06 74 13 00-0071		1-1/2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	43.93	2.49
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.62	1.95
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.44	2.49
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.35	1.95
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	38.56	2.49
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.14	1.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.94	2.49
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	42.05	2.49
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	50.97	2.49
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	48.06	2.49
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	41.16	1.95
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.74	1.95
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	46.35	1.95
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	53.30	1.95
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	31.46	1.95
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	28.06	1.95
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	36.20	1.95
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.17	1.95
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	45.24	1.95
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.88	1.95
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	51.80	1.95
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.33	1.95
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	40.60	1.95
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	37.35	1.95
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.89	2.49
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.73	2.49
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	53.71	2.49
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	52.14	2.49

06 80 Composite Fabrications *(06)*

06 81 Composite Railings *(06 80)*

06 81 13 Glass-Fiber-Reinforced Plastic Railings *(06 81)*

06 81 13 00-0001		Fiberglass Handrail Assemblies *(06 81 13)* Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.		
06 81 13 00-0002	LF	Fiberglass Side Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	77.62	21.67
		For Each LF Of Anchoring Posts Into Masonry Or Concrete, Add	*3.00*	
		For Sloped Floor Installation, Add	*6.05*	
		For Stair Installation (Without Kick Plates), Add	*11.24*	
06 81 13 00-0003	LF	Fiberglass Top Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	88.36	20.31
06 81 13 00-0004	LF	Fiberglass Handrail For Stairs, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories Assembly	82.95	27.09
06 81 13 00-0005		Fiberglass Handrail Components *(06 81 13)* Note: This section is only to be used when entire handrail assembly is not required.		
06 81 13 00-0006	LF	Fiberglass Kick Plate (12' Sections) With Splice Kit	18.24	5.42
06 81 13 00-0007	LF	Fiberglass Kick Plate (24' sections) With Splice Kit	16.19	5.42
06 81 13 00-0008	EA	Fiberglass Side Mount Post For Handrail	177.77	32.50
06 81 13 00-0009	EA	Fiberglass Top Mount Post For Handrail With Stainless Steel Base	207.25	21.67
06 81 13 00-0010	LF	Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (12' sections)	19.80	6.50
06 81 13 00-0011	LF	Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (24' sections)	18.73	6.50
06 81 13 00-0012	LF	Fiberglass Square Tube For Horizontal Handrail, ISOFR 2-1/8" x 3/16" (21' sections)	20.32	6.50

06 82 Composite Trim *(06 80)*

06 82 00 00-0001		Fiberglass Castings *(06 82)*		
06 82 00 00-0002		Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.47	3.25
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	9.96	3.25
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.13	3.90
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.10	3.90
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	20.23	3.90
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	21.66	3.90
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.58	3.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	26.63	3.90
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	64.65	4.88
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	74.50	4.88
06 82 00 00-0013		**Fiberglass Channels** *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	10.91	4.88
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.40	4.88
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.53	5.52
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.53	5.52
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.37	5.52
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.59	5.52
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.05	5.52
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.34	5.52
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	53.37	7.59
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.40	7.59
06 82 00 00-0024		**Fiberglass Wide Flange Beams** *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	32.09	6.50
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.19	6.50
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.15	7.80
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	42.64	7.80
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	66.90	9.75
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.42	9.75
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	150.47	11.92
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.62	11.92
06 82 00 00-0033		**Fiberglass Flat Sheet** *(06 82 00 00-0001)* Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	26.48	5.52
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	27.70	5.52
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.03	6.50
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.54	6.50
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.22	7.80
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	66.99	7.80
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.30	9.75
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.25	9.75
06 82 00 00-0042		**Fiberglass Bars** *(06 82 00 00-0001)*		
06 82 00 00-0043		**Square Bars** *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.64	3.90
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	22.66	5.74
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	26.62	7.59
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	9.91	3.25
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	21.65	4.88
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	24.61	4.88
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	32.92	4.88
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.38	5.52
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.25	3.25
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.21	3.25
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	16.81	3.90
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.50	3.90
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	32.55	4.88
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.46	4.88
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	38.29	5.85
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.17	5.85
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.74	3.25
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.18	3.25
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.57	3.90
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.01	3.90
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.89	2.49
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.89	2.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.24	2.82
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.16	2.82
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.34	2.82
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	14.90	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.38	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	24.00	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.81	0.39
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.81	0.39
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.81	0.39
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.81	0.39
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.81	0.39
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.80	0.39
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.80	0.39
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.80	0.39
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.80	0.39
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.80	0.39
06 82 00 00-0089		**Fiberglass Stair Treads** *(06 82)*		
06 82 00 00-0090		**Fiberglass Stair Treads** *(06 82 00 00-0089)*		
06 82 00 00-0091		**10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	108.46	17.01
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	127.10	17.01
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	145.76	17.01
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	164.40	17.01
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	119.65	17.01
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	141.09	17.01
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	162.54	17.01
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	183.98	17.01
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	136.80	17.01
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	162.54	17.01
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	188.27	17.01
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	214.01	17.01
06 82 00 00-0104		**12" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	119.12	17.01
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	140.43	17.01
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	161.75	17.01
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	183.06	17.01
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	131.91	17.01
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	156.41	17.01
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	180.93	17.01
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	205.44	17.01
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	151.51	17.01
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	180.92	17.01
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	210.34	17.01
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	239.75	17.01
06 82 00 00-0117		**Other Fiberglass** *(06 82)*		
06 82 00 00-0118		**Fiberglass Splash Blocks** *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.12	3.89

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001		**Fiberglass Reinforced Polyester (FRP) Panels** *(06 83 16)* Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.93	1.95

END OF SECTION 06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	82.13	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	143.70	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	21.05	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	18.68	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	16.91	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	15.74	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	23.29	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	20.93	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	19.16	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	17.99	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	18.81	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	16.67	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	15.12	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	14.18	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	7.52	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching	746.42	
07 01 50 81-0017	EA	Granule Emergency Roof Patch Cover 16 SF	82.18	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	4.92	2.12

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.17
		For Up To 100, Add	*0.13*
		For >100 To 250, Add	*0.06*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.03*

07 05 Common Work Results for Thermal and Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,495.23
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,118.73
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	747.62
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	372.91

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray		187.84	
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing		287.36	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On		324.34	
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing		505.33	

07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On		150.32	
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing		278.23	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001 Neoprene *(07 11 19)*

07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF)		39.68	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

07 13 13 00-0002	CSF	1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped		341.68	119.55
		For 30 LB Felt, Add	*76.93*		
		For Application To Horizontal Surfaces, Deduct	*-35.87*		
07 13 13 00-0003	CSF	2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped		430.40	134.50
		For 30 LB Felt, Add	*121.05*		
		For Application To Horizontal Surfaces, Deduct	*-40.35*		
07 13 13 00-0004	CSF	3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped		519.13	149.45
		For 30 LB Felt, Add	*165.18*		
		For Application To Horizontal Surfaces, Deduct	*-44.83*		
07 13 13 00-0005	CSF	4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped		607.84	164.39
		For 30 LB Felt, Add	*209.30*		
		For Application To Horizontal Surfaces, Deduct	*-49.32*		
07 13 13 00-0006	CSF	5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped		696.57	179.33
		For 30 LB Felt, Add	*253.43*		
		For Application To Horizontal Surfaces, Deduct	*-53.80*		

07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board		287.21	119.80
		For Application To Horizontal Surfaces, Deduct	*-39.96*		
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board		355.30	124.41
		For Application To Horizontal Surfaces, Deduct	*-41.47*		
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board		437.12	129.63
		For Application To Horizontal Surfaces, Deduct	*-43.20*		
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board		480.84	134.86
		For Application To Horizontal Surfaces, Deduct	*-44.96*		

07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface		7.37	1.24
		For Floor Surfaces, Deduct	*-1.19*		

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane		507.83	174.16
		For Application To Horizontal Surfaces, Deduct	*-52.24*		
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane		581.47	174.16
		For Application To Horizontal Surfaces, Deduct	*-52.24*		

07 13 53 00-0006 Butyl Sheet Waterproofing *(07 13 53)*

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing		103.41	43.54
		For Joint Taping, Add	*15.21*		
		For Each Additional Ply, Add	*76.75*		
		For Application To Horizontal Surfaces, Deduct	*-6.54*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	122.43	43.54
		For Joint Taping, Add	*16.16*	
		For Each Additional Ply, Add	*90.06*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0009		**Butyl With Nylon** *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	114.29	43.54
		For Joint Taping, Add	*15.75*	
		For Each Additional Ply, Add	*84.37*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	126.52	43.54
		For Joint Taping, Add	*16.36*	
		For Each Additional Ply, Add	*92.93*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0012		**Neoprene Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	176.85	43.54
		For Joint Taping, Add	*18.88*	
		For Each Additional Ply, Add	*128.16*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	257.82	43.54
		For Joint Taping, Add	*22.93*	
		For Each Additional Ply, Add	*184.84*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0015		**Neoprene With Nylon** *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	185.30	43.54
		For Joint Taping, Add	*19.30*	
		For Each Additional Ply, Add	*134.07*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	271.32	43.54
		For Joint Taping, Add	*23.60*	
		For Each Additional Ply, Add	*194.29*	
		For Application To Horizontal Surfaces, Deduct	*-6.54*	
07 13 53 00-0018		**Plastic Vapor Barrier (Polyethylene)** *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	36.59	13.23
		For Joint Taping, Add	*8.57*	
		For Each Additional Ply, Add	*28.54*	
		For Application To Horizontal Surfaces, Deduct	*-4.39*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	37.46	13.23
		For Joint Taping, Add	*8.61*	
		For Each Additional Ply, Add	*29.15*	
		For Application To Horizontal Surfaces, Deduct	*-4.39*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	64.44	13.23
		For Joint Taping, Add	*9.96*	
		For Each Additional Ply, Add	*48.04*	
		For Application To Horizontal Surfaces, Deduct	*-4.39*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	98.81	13.23
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	*72.42*	
		For Application To Horizontal Surfaces, Deduct	*-4.88*	
07 13 53 00-0023		**Plastic Vapor Barrier (PVC)** *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	43.30	14.64
		For Joint Taping, Add	*8.90*	
		For Each Additional Ply, Add	*33.24*	
		For Application To Horizontal Surfaces, Deduct	*-4.39*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	54.59	15.18
		For Joint Taping, Add	*9.72*	
		For Each Additional Ply, Add	*41.25*	
		For Application To Horizontal Surfaces, Deduct	*-4.56*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	69.67	15.72
		For Joint Taping, Add	*10.72*	
		For Each Additional Ply, Add	*51.92*	
		For Application To Horizontal Surfaces, Deduct	*-4.72*	
07 13 53 00-0027		**Vinyl Plastic Vapor Barrier** *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	44.34	13.56
07 13 54		**Thermoplastic Sheet Waterproofing** *(07 13)*		
07 13 54 00-0001		**Thermoplastic Sheet Waterproofing** *(07 13 54)*		
07 13 54 00-0002	SF	60 Mil Thermoplastic Active Polymer Core Membrane (Cetco Coreflex 60)	11.00	
07 13 54 00-0003	SF	Cortex Active Polymer Core Seperation Sheet (Cetco Coretex)	7.25	
07 13 54 00-0004	SF	Hardscape Walk Path Drain Board (Cetco Aquadrain 30HD)	2.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 54 00-0005	SF	Planted Area Drain Board (Cetco GS-300)	4.41	
07 13 54 00-0006	SF	Root Barrier (Cetco GS-120)	3.11	
07 13 54 00-0007	LF	Stainless Steel Termination Bar (Cetco)	5.14	

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.55
		For Application To Horizontal Surfaces, Deduct	*-0.23*
		For Reinforcing Fabric, Add	*0.57*
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.99
		For Application To Horizontal Surfaces, Deduct	*-0.24*
		For Reinforcing Fabric, Add	*0.57*

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.33
		For Application To Horizontal Surfaces, Deduct	*-0.53*
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.93
		For Application To Horizontal Surfaces, Deduct	*-0.55*
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.56
		For Application To Horizontal Surfaces, Deduct	*-0.59*

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	2.97

07 14 16 00-0007 Copolymer Compound *(07 14 16)*

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	4.72

07 14 16 00-0009 Fluid Applied Neoprene *(07 14 16)*

07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	574.66
		For Application To Horizontal Surfaces, Deduct	*-63.45*
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,098.24
		For Application To Horizontal Surfaces, Deduct	*-124.47*
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,780.97
		For Application To Horizontal Surfaces, Deduct	*-186.60*

07 14 16 00-0013 Moisture Barrier (Maxxon) *(07 14 16)*

07 14 16 00-0014	SF	Moisture Barrier Primer, Brush Application For Cut-ins (Maxxon MVP 13030) Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	3.70
07 14 16 00-0015	SF	Moisture Barrier Primer, Roller Application (Maxxon MVP 13030) Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	3.29
07 14 16 00-0016	SF	Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, First Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.45
07 14 16 00-0017	SF	Two Part Epoxy Moisture Barrier, Roller Application For First Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.04
07 14 16 00-0018	SF	Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, Second Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.99
07 14 16 00-0019	SF	Two Part Epoxy Moisture Barrier, Roller Application For Second Coat (Maxxon MVP 13035) Note: Includes product mixing and application. Excludes preparation of flooring	1.58

07 14 16 00-0020 Waterproofing (Sika) *(07 14 16)*

07 14 16 00-0021	SF	30 Mil Thick, Two-Component Polyurethane, Roller Grade Bitumen Modified Waterproofing, (Sika Sikagard®-7600 HG)	6.19

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	4.71

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.41

07 16 19 Metal Oxide Waterproofing *(07 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 16 19 00-0001		Metallic Oxide Waterproofing *(07 16 19)* Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	501.13	
		For Application To Horizontal Surfaces, Deduct	*-62.64*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	425.49	142.94
		For Application To Horizontal Surfaces, Deduct	*-42.89*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	406.97	151.03
		For Application To Horizontal Surfaces, Deduct	*-46.42*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	518.68	157.49
		For Application To Horizontal Surfaces, Deduct	*-47.24*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	421.34	131.00
		For Application To Horizontal Surfaces, Deduct	*-39.28*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001		Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)* Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Exlucdes surface preparaion, deck crack repair, joint sealants or markings.	
07 18 13 00-0002	SQ	Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit)	172.82
07 18 13 00-0003	SQ	32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	494.00
07 18 13 00-0004	SQ	16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	284.75
07 18 13 00-0005	SQ	16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	340.64
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.71
07 18 13 00-0007		Pedestrian Traffic Coating *(07 18 13)* Note: Gaco Western	
07 18 13 00-0008	SF	GACOCRETE A-17, Acrylic Elastomeric Coating	2.99
07 18 13 00-0009	SF	Silicone Enhanced A-30, Acrylic Elastomeric Coating	2.53
		For >2,000, Deduct	*-0.32*
07 18 13 00-0010	SF	Quick Set A-31, Acrylic Elastomeric Coating	2.35
07 18 13 00-0011	SF	A-32, Acrylic Elastomeric Coating	2.65
		For >2,000, Deduct	*-0.36*
07 18 13 00-0012	SF	Liquid Seam Tape A-3611, Acrylic Elastomeric Coating	2.76
		For >2,000, Deduct	*-0.40*
07 18 13 00-0013	SF	A-38, Acrylic Elastomeric Coating	2.71
07 18 13 00-0014	SF	Acrylic Primer A-4121	1.83
07 18 13 00-0015	SF	Two Component Epoxy Emulsion Primer Filler E-5320	3.07
07 18 13 00-0016	SF	Two Component Epoxy Rust Inhibiting Primer E-5388	3.59
07 18 13 00-0017	SF	Two Component 100% Solids Primer E-5481	3.92
07 18 13 00-0018	SF	Hypalon Roof Coating H-25	3.63
07 18 13 00-0019	SF	Neoprene Adhesive N-1207	2.81
07 18 13 00-0020	SF	GACOSIL S-10 Silicone	3.10
		For >2,000, Deduct	*-0.52*
07 18 13 00-0021	SF	GACOSIL S-20 Silicone	3.19
		For >2,000, Deduct	*-0.55*
07 18 13 00-0022	SF	Urethane Primer/Sealer U-5677	1.98
07 18 13 00-0023	SF	Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006	2.87
		For >2,000, Deduct	*-0.44*
07 18 13 00-0024	SF	Two Component Polyurethane Coating U-62	4.35
		For >2,000, Deduct	*-0.77*
07 18 13 00-0025	SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	3.80
07 18 13 00-0026	SF	Two Component Polyurethane Coating U-66	4.29
07 18 13 00-0027	SF	Two Component Polyurethane Coating U-8730	3.98
07 18 13 00-0028	SF	Two Component Polyurethane Coating U-8782	3.92
07 18 13 00-0029	SF	Two Component Polyurethane Aliphatic Coating UA-60	4.90
07 18 13 00-0030	SF	Two Component Polyurethane Aliphatic Coating UA-7090	6.11
07 18 13 00-0031	SF	Two Component Polyurethane Base Coating UB-64	3.74
07 18 13 00-0032	SF	Two Component Polyurethane Base Coating UB-8380	3.68
07 18 13 00-0033	SF	Etching Detergent D-09	2.02
07 18 13 00-0034	LB	GacoShell Granules Additive To Coating	2.30
07 18 13 00-0035	LB	Quartz Granules Additive To Coating	2.07
07 18 13 00-0036	LF	4" Polyester Reinforcing Tape, 66-B	0.21
07 18 13 00-0037	LF	6" Polyester Reinforcing Tape, 66-B	0.27
07 18 13 00-0038	LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.34
07 18 13 00-0039	LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.47
07 18 13 00-0040	LF	2" Metal Roof Seam Sealing Tape, 66-MR	0.98
07 18 13 00-0041	LF	3" Metal Roof Seam Sealing Tape, 66-MR	1.53
07 18 13 00-0042	LF	4" Metal Roof Seam Sealing Tape, 66-MR	1.89
07 18 13 00-0043	LF	6" Metal Roof Seam Sealing Tape, 66-MR	2.71
07 18 13 00-0044	GAL	Polyurethane Coating Thinner T-5106	54.71
07 18 13 00-0045	GAL	Compliant Thinner T-5110	113.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 13 00-0046	GAL	Regular Thinner T-5112	31.91	
07 18 13 00-0047	GAL	Polyurethane Coating Thinner T-5116	41.03	
07 18 13 00-0048	GAL	Polyurethane Troweling Thinner T-5118	50.15	
07 18 13 00-0049	GAL	Compliant Thinner T-5125	54.71	
07 18 13 00-0050	GAL	Fast Polyurethane Coating Thinner T-5130	41.03	
07 18 13 00-0051	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	41.03	

07 18 16 Vehicular Traffic Coatings *(07 18)*

07 18 16 00-0001 Preparation For Vehicular Traffic Coating *(07 18 16)*

See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.07	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.65	

07 18 16 00-0004 Vehicular Traffic Bearing Waterproofing System System (UPI) *(07 18 16)*

Note: Excludes deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	Vehicular Traffic Bearing Waterproofing System Complete (UPI UREADEK 6700-VT) Note: Includes primer (UI-71 18), 32 mil base coat (UI-7013), 16 mil intermediate coat (UI-7016 AR), 16 mil top coat (UI-7016 AL), and non-slip texture finish. Excludes crack repair or caulking.	10.09	
		For second coat 16 mil intermediate coat (UI-7016 AR), Add	*1.91*	

07 18 16 00-0006 Vehicular Traffic Coating (Sika) *(07 18 16)*

Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0007	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720) Note: Excludes crack repair or caulking.	3.84	
07 18 16 00-0008	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.35	
07 18 16 00-0009	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.50	
07 18 16 00-0010	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.66	
07 18 16 00-0011	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.80	
07 18 16 00-0012	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.72	
07 18 16 00-0013	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.95	
07 18 16 00-0014	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	3.20	

07 18 16 00-0015 Vehicular Traffic Bearing Waterproofing System System (Dex-O-Tex Auto-Dex V) *(07 18 16)*

Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0016	SF	Vehicular Traffic Bearing Waterproofing System (Dex-O-Tex Auto-Dex V) Note: A. Troweled waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be Dex-O-Tex Auto-Dex V as manufactured by Crossfield Products Corp., in Rancho Dominguez, California and Roselle Park, New Jersey. B. The trowel applied waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be composed of a co-polymer bondcoat, neoprene waterproof membrane, and cementitious co-polymer traffic topping surfacing. 1.) All resin binders and all rubber emulsions shall be compounded with neoprene or polyacrylate co-polymer liquids and shall have a minimum polymer, neoprene, solids content of 35% when tested by the dry cup method. 2.) Aggregate for traffic surface coating shall be suitably graded, fine trap-rock passing a #20 mesh sieve and retained on a #40 mesh sieve. 3.) Fabric used as reinforcement for waterproof membrane shall be 7-1/2 oz. Woven polypropylene fabric.	14.41	

07 18 16 00-0017 Traffic Coating Repair (Sika) *(07 18 16)*

Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0018	SF	5 +/- 1 mils (Dry Film Thickness per Coat), Two Component, High Solids, Liquid Applied Primer (Sika Sikalastic® Recoat Primer)	0.92	
07 18 16 00-0019	SF	Low-modulus, Low-viscosity, Epoxy Resin Primer (Sikadur® 21)	0.62	
07 18 16 00-0020	SF	Up To 1/2" Thick, Low-modulus, Low-viscosity, Epoxy Resin Mortar Binder (Sikadur® 21)	1.41	
07 18 16 00-0021	SF	Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Primer (Sikadur® 22)	0.82	
07 18 16 00-0022	SF	50 Mils, Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Binder (Sikadur® 22)	1.51	
07 18 16 00-0023	SF	Broadcast Sand Coating	0.25	
07 18 16 00-0024	SF	Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Top Coat (Sikadur® 22)	0.86	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 16 00-0025	SF	Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Traffic Overlay (Sikadur® 22)	3.96	

07 18 21 Traffic-Bearing Roof Deck Surfacing *(07 18)*

07 18 21 00-0001 Decking Coating System (Polycoat POLY-I-GARD® 575FC) *(07 18 21)*
Note: Excludes surface preparaion, deck crack repair or other joint sealants. See CSI section 07 18 16 00-0001 for surface preparaion.

07 18 21 00-0002	SF	4 Dry Mils, Epoxy Primer For Deck Coating System (Polycoat Polyprime® 21)	1.28	
07 18 21 00-0003	SF	24 ± 2 Dry Mils, Base For Deck Coating System (Polycoat PC-260)	3.69	
07 18 21 00-0004	SF	18 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295)	3.45	
07 18 21 00-0005	SF	15 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295) Note: Additional coat for ramps, turn radii, and other heavy traffic areas.	3.06	

07 18 21 00-0006 Weatherwear Roof Deck Coating System (Dex-O-Tex) *(07 18 21)*

07 18 21 00-0007	SF	Dex-O-Tex Weatherwear Promenade Roof Deck System Note: Includes mobilize and set up. Install Dex-O-Tex Weatherwear Promenade Roof Deck System per manufacturer's specifications and waterproof at drain locations. (Supply and installation of drains by others). Final clean up and demobilize.	37.25	
07 18 21 00-0008	LF	Dex-O-Tex 26G Bonderized 4" x 8" flashing Note: supply and install 26G Bonderized 4" x 8" flashing at deck to wall transitions per plans and specifications. (Flashing per detail A.1/3.)	17.02	
07 18 21 00-0009	SF	Dex-O-Tex G-26 Underlayment at 3" Average for Sloping Note: Includes mobilize and set up. Install Dex-O-Tex G-26 Cementitious Underlayment for sloping at 3" average per A.1/B. Clean up.	43.66	
07 18 21 00-0010	SF	Mechanically Prepare Surface For Underlayment Note: Mechanically prepare surface to create bonding profile per manufacturer specifications.	3.23	

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	2.72	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.23	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	3.55	

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.75	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.11	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.33	
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.95	
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.52	
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.76	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.14	0.37	
		For Horizontal Surface Application, Deduct	*-0.06*		
		For Vapor Barrier, Integral With Insulation, Add	*0.05*		
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	5.84	0.38	
		For Horizontal Surface Application, Deduct	*-0.06*		
		For Vapor Barrier, Integral With Insulation, Add	*0.05*		
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.97	0.38	
		For Horizontal Surface Application, Deduct	*-0.06*		
		For Vapor Barrier, Integral With Insulation, Add	*0.05*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.23	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0007		**Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation** *(07 21 13 13-0001)*		
07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.77	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.85	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.13	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.40	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.50	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.59	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.69	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	6.78	0.41
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.88	0.42
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0017		**Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation** *(07 21 13 13-0001)*		
		Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.04	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.23*	
		For 40 PSI Compressive Strength, Add	*0.54*	
		For 60 PSI Compressive Strength, Add	*0.86*	
		For 115 PSI Compressive Strength, Add	*3.74*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.41	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.68*	
		For 60 PSI Compressive Strength, Add	*1.07*	
		For 115 PSI Compressive Strength, Add	*4.69*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.72	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For 40 PSI Compressive Strength, Add	*0.80*	
		For 60 PSI Compressive Strength, Add	*1.25*	
		For 115 PSI Compressive Strength, Add	*5.46*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.79	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*5.64*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.29	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.15*	
		For 115 PSI Compressive Strength, Add	*9.44*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	5.78	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.82*	
		For 40 PSI Compressive Strength, Add	*1.95*	
		For 60 PSI Compressive Strength, Add	*3.01*	
		For 115 PSI Compressive Strength, Add	*13.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.54	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.94*	
		For 40 PSI Compressive Strength, Add	*2.23*	
		For 60 PSI Compressive Strength, Add	*3.44*	
		For 115 PSI Compressive Strength, Add	*15.15*	
07 21 13 13-0025		Mechanically Fastened Foam Board Insulation *(07 21 13 13)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026		Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.10	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	5.90	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.03	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.40	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.72	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.80	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.07	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.35	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.56	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.76	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.02	0.40
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.32	0.41
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Gypsum, Add	*2.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*8.48*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.65	0.42
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.31*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.99	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For 40 PSI Compressive Strength, Add	*0.48*	
		For 60 PSI Compressive Strength, Add	*0.77*	
		For 115 PSI Compressive Strength, Add	*3.31*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.37	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.26*	
		For 40 PSI Compressive Strength, Add	*0.62*	
		For 60 PSI Compressive Strength, Add	*0.99*	
		For 115 PSI Compressive Strength, Add	*4.29*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.67	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.74*	
		For 60 PSI Compressive Strength, Add	*1.16*	
		For 115 PSI Compressive Strength, Add	*5.06*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.75	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.20*	
		For 115 PSI Compressive Strength, Add	*5.24*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.35	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.36*	
		For 60 PSI Compressive Strength, Add	*2.11*	
		For 115 PSI Compressive Strength, Add	*9.28*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	5.95	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.82*	
		For 40 PSI Compressive Strength, Add	*1.96*	
		For 60 PSI Compressive Strength, Add	*3.03*	
		For 115 PSI Compressive Strength, Add	*13.32*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.87	0.40
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.97*	
		For 40 PSI Compressive Strength, Add	*2.30*	
		For 60 PSI Compressive Strength, Add	*3.56*	
		For 115 PSI Compressive Strength, Add	*15.66*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.59	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.85	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.11	0.65
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.79	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.62	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.96	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.05	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.13	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.43	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	3.78	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.14	0.65
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.74	0.37
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.68	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.02	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.23	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, Add	*2.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.31	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.94	0.42
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.33	0.44
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.73	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.42	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.12	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.52	0.65
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.77	0.42
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.16	0.44
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.56	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.28*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.35	0.51
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.05	0.56
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.54	0.65
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.41	0.43
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.52	0.43
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.56	0.43
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.09	0.43
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.77	0.43
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.47	0.53
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	2.80	0.53
		For >1,600, Deduct	*-0.38*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.33	0.43
		For >1,600, Deduct	*-0.14*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.46	0.43
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	1.96	0.43
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.01	0.43
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	1.72	0.43
		For >1,600, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.32	0.53
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	2.71	0.53
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0018		Foil Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.62	0.43
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.81	0.43
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.04	0.43
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.88	0.53
		For >1,600, Deduct	*-0.40*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.16	0.53
		For >1,600, Deduct	*-0.45*	
07 21 16 00-0024		Poly-Encapsulated, Fiberglass Flexible Insulation *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.45	0.43
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.56	0.43
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.16	0.43
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.79	0.43
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.40	0.53
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.71	0.53
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0031		Mineral Wool Flexible Insulation *(07 21 16)*		
07 21 16 00-0032		Kraft Faced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.58	0.43
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.12	0.43
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	3.32	0.43
		For >1,600, Deduct	*-0.51*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	3.95	0.43
		For >1,600, Deduct	*-0.61*	
07 21 16 00-0037		Unfaced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.47	0.43
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	1.94	0.43
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	2.98	0.43
		For >1,600, Deduct	*-0.44*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	3.54	0.43
		For >1,600, Deduct	*-0.53*	
07 21 16 00-0042		Natural Cotton Insulation *(07 21 16)*		
07 21 16 00-0043		UltraTouch™ Natural Cotton Insulation *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.17	0.43
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.43	0.43
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	2.72	0.43
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	3.63	0.43
		For >1,600, Deduct	*-0.58*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		Polyurethane Foam Insulation, Sprayed On *(07 21 19)*		
07 21 19 00-0002	EA	Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge	1,385.25	
		Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.46	
		For Up To 250 SF, Add	*0.54*	
		For >250 To 500 SF, Add	*0.27*	
		For >500 To 1,000 SF, Add	*0.12*	
		For >5,000 To 10,000 SF, Deduct	*-0.17*	
		For >10,000 SF, Deduct	*-0.43*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.99	
		For Up To 250 SF, Add	*0.72*	
		For >250 To 500 SF, Add	*0.36*	
		For >500 To 1,000 SF, Add	*0.15*	
		For >5,000 To 10,000 SF, Deduct	*-0.23*	
		For >10,000 SF, Deduct	*-0.56*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.50	
		For Up To 250 SF, Add	*0.88*	
		For >250 To 500 SF, Add	*0.44*	
		For >500 To 1,000 SF, Add	*0.19*	
		For >5,000 To 10,000 SF, Deduct	*-0.28*	
		For >10,000 SF, Deduct	*-0.69*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.02	
		For Up To 250 SF, Add	*1.05*	
		For >250 To 500 SF, Add	*0.52*	
		For >500 To 1,000 SF, Add	*0.22*	
		For >5,000 To 10,000 SF, Deduct	*-0.34*	
		For >10,000 SF, Deduct	*-0.82*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.54	
		For Up To 250 SF, Add	*1.21*	
		For >250 To 500 SF, Add	*0.61*	
		For >500 To 1,000 SF, Add	*0.26*	
		For >5,000 To 10,000 SF, Deduct	*-0.39*	
		For >10,000 SF, Deduct	*-0.95*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.06	
		For Up To 250 SF, Add	*1.38*	
		For >250 To 500 SF, Add	*0.69*	
		For >500 To 1,000 SF, Add	*0.30*	
		For >5,000 To 10,000 SF, Deduct	*-0.45*	
		For >10,000 SF, Deduct	*-1.08*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.58	
		For Up To 250 SF, Add	*1.55*	
		For >250 To 500 SF, Add	*0.77*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.50*	
		For >10,000 SF, Deduct	*-1.21*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.10	
		For Up To 250 SF, Add	*1.71*	
		For >250 To 500 SF, Add	*0.86*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.56*	
		For >10,000 SF, Deduct	*-1.34*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.62	
		For Up To 250 SF, Add	*1.88*	
		For >250 To 500 SF, Add	*0.94*	
		For >500 To 1,000 SF, Add	*0.41*	
		For >5,000 To 10,000 SF, Deduct	*-0.61*	
		For >10,000 SF, Deduct	*-1.47*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.15	
		For Up To 250 SF, Add	*2.05*	
		For >250 To 500 SF, Add	*1.03*	
		For >500 To 1,000 SF, Add	*0.44*	
		For >5,000 To 10,000 SF, Deduct	*-0.67*	
		For >10,000 SF, Deduct	*-1.61*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.67	
		For Up To 250 SF, Add	*2.22*	
		For >250 To 500 SF, Add	*1.11*	
		For >500 To 1,000 SF, Add	*0.48*	
		For >5,000 To 10,000 SF, Deduct	*-0.72*	
		For >10,000 SF, Deduct	*-1.74*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.82	
		For Up To 250 SF, Add	*1.04*	
		For >250 To 500 SF, Add	*0.52*	
		For >500 To 1,000 SF, Add	*0.22*	
		For >5,000 To 10,000 SF, Deduct	*-0.33*	
		For >10,000 SF, Deduct	*-0.82*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.75	
		For Up To 250 SF, Add	*1.32*	
		For >250 To 500 SF, Add	*0.66*	
		For >500 To 1,000 SF, Add	*0.28*	
		For >5,000 To 10,000 SF, Deduct	*-0.42*	
		For >10,000 SF, Deduct	*-1.04*	
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.58	
		For Up To 250 SF, Add	*1.55*	
		For >250 To 500 SF, Add	*0.77*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.50*	
		For >10,000 SF, Deduct	*-1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.51	
		For Up To 250 SF, Add	*1.83*	
		For >250 To 500 SF, Add	*0.91*	
		For >500 To 1,000 SF, Add	*0.40*	
		For >5,000 To 10,000 SF, Deduct	*-0.59*	
		For >10,000 SF, Deduct	*-1.43*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.34	
		For Up To 250 SF, Add	*2.05*	
		For >250 To 500 SF, Add	*1.03*	
		For >500 To 1,000 SF, Add	*0.45*	
		For >5,000 To 10,000 SF, Deduct	*-0.67*	
		For >10,000 SF, Deduct	*-1.61*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.29	
		For Up To 250 SF, Add	*2.34*	
		For >250 To 500 SF, Add	*1.17*	
		For >500 To 1,000 SF, Add	*0.51*	
		For >5,000 To 10,000 SF, Deduct	*-0.77*	
		For >10,000 SF, Deduct	*-1.83*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.11	
		For Up To 250 SF, Add	*2.57*	
		For >250 To 500 SF, Add	*1.29*	
		For >500 To 1,000 SF, Add	*0.56*	
		For >5,000 To 10,000 SF, Deduct	*-0.85*	
		For >10,000 SF, Deduct	*-2.01*	
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.04	
		For Up To 250 SF, Add	*2.85*	
		For >250 To 500 SF, Add	*1.42*	
		For >500 To 1,000 SF, Add	*0.63*	
		For >5,000 To 10,000 SF, Deduct	*-0.94*	
		For >10,000 SF, Deduct	*-2.22*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.87	
		For Up To 250 SF, Add	*3.08*	
		For >250 To 500 SF, Add	*1.54*	
		For >500 To 1,000 SF, Add	*0.68*	
		For >5,000 To 10,000 SF, Deduct	*-1.02*	
		For >10,000 SF, Deduct	*-2.40*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.80	
		For Up To 250 SF, Add	*3.36*	
		For >250 To 500 SF, Add	*1.68*	
		For >500 To 1,000 SF, Add	*0.74*	
		For >5,000 To 10,000 SF, Deduct	*-1.11*	
		For >10,000 SF, Deduct	*-2.62*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.63	
		For Up To 250 SF, Add	*3.59*	
		For >250 To 500 SF, Add	*1.79*	
		For >500 To 1,000 SF, Add	*0.79*	
		For >5,000 To 10,000 SF, Deduct	*-1.19*	
		For >10,000 SF, Deduct	*-2.79*	
07 21 19 00-0025		Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*		
07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	4.55	
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	5.68	
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	6.81	
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	8.00	
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	9.27	
07 21 19 00-0031		Expanding Foam Insulation To Fill Window Frames *(07 21 19)*		
07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	4.45	
07 21 23		**Loose-Fill Insulation** *(07 21)*		
07 21 23 00-0001		Poured Type, Loose Fill Insulation *(07 21 23)*		
07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	6.40	2.48
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	6.43	2.48
07 21 23 00-0004		Concrete Block Wall Cavity Insulation *(07 21 23)*		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	9.08	2.48
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	8.99	2.48
07 21 26		**Blown Insulation** *(07 21)*		
07 21 26 00-0001		Fiberglass Blown-In Insulation *(07 21 26)*		
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.43	1.15
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.58	1.26
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	1.77	1.38
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	1.97	1.49
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.10	1.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.25	1.60
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.42	1.66
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	2.56	1.73
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	2.74	1.84
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	2.88	1.89
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.10	1.95
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	3.36	2.06
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	3.90	2.30
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.09	1.15
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.79	1.38
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.30	1.49
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	3.92	1.60
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.98	1.15
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.68	1.38
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.19	1.49
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.81	1.60
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.40	1.15
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.65	1.26
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.84	1.38
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.11	1.49
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.14	1.49
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	2.45	1.60
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	2.51	1.60
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	2.75	1.73
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	2.89	1.73
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	3.11	1.84
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.25	1.84
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.80	1.15
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.35	1.38
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.71	1.49
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.15	1.60
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.69	1.15
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.24	1.38
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.60	1.49
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.05	1.60
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)* Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.50	0.74
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.83	0.74
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.55	0.74
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.12	
07 21 53 00-0003		Reflective Radiant Foil Backed Paper *(07 21 53)*		
07 21 53 00-0004	CSF	Reflective Radiant Foil Backed Kraft Paper With Tape	70.35	22.89
		For >15' To 20' Installed Height, Add	*4.57*	
		For >20' To 25' Installed Height, Add	*6.85*	
		For >25' To 30' Installed Height, Add	*11.42*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 Roof and Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.58
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.01
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.44
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.21
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.97

07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.81
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.30

07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.50
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.50
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.76
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.06
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.80
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.27

07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.47
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.64
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.03

07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.41
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.55
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	9.83
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	12.73

07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.19
		For Loose-Laid, Deduct	*-1.20*
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.27
		For Loose-Laid, Deduct	*-1.20*
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.55
		For Loose-Laid, Deduct	*-1.20*
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.82
		For Loose-Laid, Deduct	*-1.20*
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.93
		For Loose-Laid, Deduct	*-1.22*
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.04
		For Loose-Laid, Deduct	*-1.23*
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.14
		For Loose-Laid, Deduct	*-1.24*
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.25
		For Loose-Laid, Deduct	*-1.26*
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.35
		For Loose-Laid, Deduct	*-1.27*

07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

Note: 15 PSI compressive strength.

07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.28
		For Loose-Laid, Deduct	*-1.27*
		For 25 PSI Compressive Strength, Add	*0.34*
		For 40 PSI Compressive Strength, Add	*0.80*
		For 60 PSI Compressive Strength, Add	*1.28*
		For 115 PSI Compressive Strength, Add	*5.52*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.36	
		For Loose-Laid, Deduct	*-1.28*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.70*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.24	
		For Loose-Laid, Deduct	*-1.28*	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.16*	
		For 60 PSI Compressive Strength, Add	*1.83*	
		For 100 PSI Compressive Strength, Add	*2.35*	
		For 115 PSI Compressive Strength, Add	*7.96*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.87	
		For Loose-Laid, Deduct	*-1.29*	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.18*	
		For 115 PSI Compressive Strength, Add	*9.50*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.83	
		For Loose-Laid, Deduct	*-1.29*	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For 40 PSI Compressive Strength, Add	*1.75*	
		For 60 PSI Compressive Strength, Add	*2.73*	
		For 100 PSI Compressive Strength, Add	*3.52*	
		For 115 PSI Compressive Strength, Add	*11.97*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.38	
		For Loose-Laid, Deduct	*-1.31*	
		For 25 PSI Compressive Strength, Add	*0.82*	
		For 40 PSI Compressive Strength, Add	*1.95*	
		For 60 PSI Compressive Strength, Add	*3.04*	
		For 115 PSI Compressive Strength, Add	*13.31*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.15	
		For Loose-Laid, Deduct	*-1.32*	
		For 25 PSI Compressive Strength, Add	*0.94*	
		For 40 PSI Compressive Strength, Add	*2.23*	
		For 60 PSI Compressive Strength, Add	*3.47*	
		For 115 PSI Compressive Strength, Add	*15.21*	
07 22 16 00-0046		**Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.94	
		For Loose-Laid, Deduct	*-1.27*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.06	
		For Loose-Laid, Deduct	*-1.28*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.23	
		For Loose-Laid, Deduct	*-1.28*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.69	
		For Loose-Laid, Deduct	*-1.29*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.14	
		For Loose-Laid, Deduct	*-1.30*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.29*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.61	
		For Loose-Laid, Deduct	*-1.31*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.10	
		For Loose-Laid, Deduct	*-1.31*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.38*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.55	
		For Loose-Laid, Deduct	*-1.32*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.43*	
07 22 16 00-0055		**Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.34	
07 22 16 00-0057		**Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)** *(07 22 16 00-0002)*		
07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.16	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.48	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.54	
07 22 16 00-0062		Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*		
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.10	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.38	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.45	
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.35	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.61	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.98	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.20	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.73	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.96	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.31	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.40	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.86	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.43	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.79	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.26	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.76	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.67	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.31	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.74	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.18	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.96	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.74	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.55	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.05	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.23	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.47	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.78	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.51	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	3.98	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.18	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.35	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.77	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.12	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.56	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.46	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.89	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.97	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.14	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.51	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.62	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.74	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.84	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.96	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.06	
07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.99	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.64*	
		For 60 PSI Compressive Strength, Add	*1.05*	
		For 115 PSI Compressive Strength, Add	*4.47*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.07	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.67*	
		For 60 PSI Compressive Strength, Add	*1.09*	
		For 115 PSI Compressive Strength, Add	*4.65*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.95	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For 40 PSI Compressive Strength, Add	*1.00*	
		For 60 PSI Compressive Strength, Add	*1.60*	
		For 100 PSI Compressive Strength, Add	*2.05*	
		For 115 PSI Compressive Strength, Add	*6.92*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.72	
		For 25 PSI Compressive Strength, Add	*0.52*	
		For 40 PSI Compressive Strength, Add	*1.23*	
		For 60 PSI Compressive Strength, Add	*1.95*	
		For 115 PSI Compressive Strength, Add	*8.47*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	17.62	
		For 25 PSI Compressive Strength, Add	*0.67*	
		For 40 PSI Compressive Strength, Add	*1.60*	
		For 60 PSI Compressive Strength, Add	*3.11*	
		For 100 PSI Compressive Strength, Add	*3.83*	
		For 115 PSI Compressive Strength, Add	*12.16*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.11	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.79*	
		For 60 PSI Compressive Strength, Add	*2.81*	
		For 115 PSI Compressive Strength, Add	*12.27*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.87	
		For 25 PSI Compressive Strength, Add	*0.87*	
		For 40 PSI Compressive Strength, Add	*2.07*	
		For 60 PSI Compressive Strength, Add	*3.24*	
		For 115 PSI Compressive Strength, Add	*14.17*	
07 22 16 00-0125		Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.66	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.77	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.94	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.40	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.88	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.34	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.69	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.27	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.89	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.08	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.21	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.27	

07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.83	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.11	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.18	

07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.41	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.84	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.66*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.76*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.27	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.14	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.90	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.64	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.14	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0153		Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.34	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.59	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.90	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.73	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.20	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0159		Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.30	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.57	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.06	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.34	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.48	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.86	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	12.92	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.96*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.02	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.63*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.10	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.63*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.38	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.63*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.65	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.63*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.86	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.06	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.85*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.33	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	7.64	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.30*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.24	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.70*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.12	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.74*	
		For 60 PSI Compressive Strength, Add	*1.18*	
		For 115 PSI Compressive Strength, Add	*5.10*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.20	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.23*	
		For 115 PSI Compressive Strength, Add	*5.28*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.17	
		For 25 PSI Compressive Strength, Add	*0.48*	
		For 40 PSI Compressive Strength, Add	*1.13*	
		For 60 PSI Compressive Strength, Add	*1.79*	
		For 100 PSI Compressive Strength, Add	*2.29*	
		For 115 PSI Compressive Strength, Add	*7.78*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.80	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.36*	
		For 60 PSI Compressive Strength, Add	*2.14*	
		For 115 PSI Compressive Strength, Add	*9.32*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.86	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For 40 PSI Compressive Strength, Add	*1.76*	
		For 60 PSI Compressive Strength, Add	*2.75*	
		For 100 PSI Compressive Strength, Add	*3.54*	
		For 115 PSI Compressive Strength, Add	*12.05*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.40	
		For 25 PSI Compressive Strength, Add	*0.82*	
		For 40 PSI Compressive Strength, Add	*1.96*	
		For 60 PSI Compressive Strength, Add	*3.05*	
		For 115 PSI Compressive Strength, Add	*13.36*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.34	
		For 25 PSI Compressive Strength, Add	*0.97*	
		For 40 PSI Compressive Strength, Add	*2.30*	
		For 60 PSI Compressive Strength, Add	*3.58*	
		For 115 PSI Compressive Strength, Add	*15.70*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.78	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.89	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.16	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.62	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.17	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.64	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.29	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.46*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.97*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.74	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.17	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.00	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.18	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.31	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.38	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.93	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.22	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.28	
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.28	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.54	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Gypsum, Add	*2.14*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.01	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.23	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.09*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.93	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.17*	
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.15	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.70	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.59*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.43	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.89	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.33*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.62	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.64*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.15*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.98	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.65	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.54*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.15	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.54*	
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	9.29	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.98*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.17	
		For 25 PSI Compressive Strength, Add	*0.34*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.19	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.80	
		For 25 PSI Compressive Strength, Add	*0.46*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.40	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.01	
		For 25 PSI Compressive Strength, Add	*0.58*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.05	
		For 25 PSI Compressive Strength, Add	*0.65*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.65	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.26	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.86	
		For 25 PSI Compressive Strength, Add	*0.83*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.89	
		For 25 PSI Compressive Strength, Add	*0.89*	
07 22 16 00-0236		Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*		
07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.87	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.50	
		For 25 PSI Compressive Strength, Add	*0.43*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.70	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.35	
		For 25 PSI Compressive Strength, Add	*0.68*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.56	
		For 25 PSI Compressive Strength, Add	*0.80*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.19	
		For 25 PSI Compressive Strength, Add	*0.92*	
07 22 16 00-0243		Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*		
07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.10	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.95	
		For 25 PSI Compressive Strength, Add	*0.74*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.80	
		For 25 PSI Compressive Strength, Add	*0.98*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	19.65	
		For 25 PSI Compressive Strength, Add	*1.22*	
07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.49	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.52	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.98	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.43	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.88	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.93	

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07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.38	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.83	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.29	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.33	
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.27	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.75	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.66	
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.15	
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.06	
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.55	
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.20	
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.61	
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.01	
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	17.86	
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)* Note: Includes polyurethane adhesive.		
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.04	
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.06	
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.63	
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.21	
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.78	
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.82	
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.40	
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.97	
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.55	
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.58	
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.75	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.35	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.49	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.11	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.26	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.86	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.92	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.68	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.44	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	19.20	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.62	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.87	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.20	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.70	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.03	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.28	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.62	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.11	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.44	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.71	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.95	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.54	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.36	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.95	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.78	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.37	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.87	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.28	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.71	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	24.12	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.77	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.76	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.36	
		For 25 PSI Compressive Strength, Add	*0.39*	
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.63	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.57	
		For 25 PSI Compressive Strength, Add	*0.51*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.39	
		For 25 PSI Compressive Strength, Add	*0.53*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.99	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.60	
		For 25 PSI Compressive Strength, Add	*0.66*	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.20	
		For 25 PSI Compressive Strength, Add	*0.72*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.00	
		For 25 PSI Compressive Strength, Add	*0.74*	
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.64	
		For 25 PSI Compressive Strength, Add	*0.27*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.06	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.27	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.69	
		For 25 PSI Compressive Strength, Add	*0.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.90	
		For 25 PSI Compressive Strength, Add	*0.69*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.30	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0340		Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.66	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.30	
		For 25 PSI Compressive Strength, Add	*0.63*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.91	
		For 25 PSI Compressive Strength, Add	*0.83*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	18.54	
		For 25 PSI Compressive Strength, Add	*1.04*	
07 22 16 00-0345		Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*		
07 22 16 00-0346		Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.74	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.43	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.77	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.61	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.94	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	12.63	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.96	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.80	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.14	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	16.82	
07 22 16 00-0357		Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.07	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.10	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.28	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	13.29	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.47	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	17.49	
07 22 16 00-0364		Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	10.43	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	14.63	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	78.21	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	23.01	
07 22 16 00-0369		Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)*		
		Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370		Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.10	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.57	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.18	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.95	
		For 25 PSI Compressive Strength, Add	*0.48*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.55	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.14	
		For 25 PSI Compressive Strength, Add	*0.56*	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.75	
		For 25 PSI Compressive Strength, Add	*0.62*	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.58	
		For 25 PSI Compressive Strength, Add	*0.70*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.18	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.95	
		For 25 PSI Compressive Strength, Add	*0.80*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.80	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.88	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.25	
		For 25 PSI Compressive Strength, Add	*0.51*	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.44	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.88	
		For 25 PSI Compressive Strength, Add	*0.73*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.25	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.48	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.64	
		For 25 PSI Compressive Strength, Add	*0.61*	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.86	
		For 25 PSI Compressive Strength, Add	*0.89*	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	18.91	
		For 25 PSI Compressive Strength, Add	*1.15*	
		For Mechanically Fastened To Concrete, Add	*1.70*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.42	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.90	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.36	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.97	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.43	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.02	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.48	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.16	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.61	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.39	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0406		Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*		
07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.20	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.13	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.20	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.25	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.39	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.61	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.58	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.70	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.07	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	17.12	
		For Mechanically Fastened To Concrete, Add	*1.70*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.97	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.44	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.36	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.75	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.33	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.92	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.49	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.30	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.87	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.64	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.68	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.73	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.04	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.21	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.58	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.92	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.30	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.78	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.50	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	18.19	
		For Mechanically Fastened To Concrete, Add	*1.70*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.90	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.25	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.58	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.59	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.93	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.67*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	12.38	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.71	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.79	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	15.12	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.77	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0454		Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*		
07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.23	
		For Mechanically Fastened To Concrete, Add	*1.72*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.96*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.44*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	8.92	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.89*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	10.26	
		For Mechanically Fastened To Concrete, Add	*1.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.30*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.04*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.95*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	13.05	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	14.45	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.31*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	17.43	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	10.25	
		For Mechanically Fastened To Concrete, Add	*1.77*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.09*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.43*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	14.38	
		For Mechanically Fastened To Concrete, Add	*1.87*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.55*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.28*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.43*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.92*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	18.77	
		For Mechanically Fastened To Concrete, Add	*1.92*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.20*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.62*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	23.38	
		For Mechanically Fastened To Concrete, Add	*1.70*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.07*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.63*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.93*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation		0.65
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation		0.67
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation		0.69
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation		0.72
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation		0.73
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation		0.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.77
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.78
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.80
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.82
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		0.84
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		0.86
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		0.88

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		4.06
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.59*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.36*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		4.63
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.62*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.38*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.19
		For Up To 100, Add	*0.83*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.79*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.52*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.75
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.87*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.65*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		6.31
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.87*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.65*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		7.41
		For Up To 100, Add	*0.86*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.10*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.83*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat		5.22
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat		5.81
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat		7.41
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat		7.89
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0014		Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.54	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	2.98	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.35	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.23	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0019		Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
		Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.27	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.36	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.06	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.67	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.06	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.68	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	4.46	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	5.11	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	10.60	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.29	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.32	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.80	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.25	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	

07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.80	
		For Up To 100, Add	*0.50*	
		For >100 To 500, Add	*0.25*	
		For >5,000, Deduct	*-0.10*	

07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.12	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.45	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.84	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.65	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.45	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.84	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.22	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.12	

07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	6.72	
		For Up To 100, Add	*3.36*	
		For >100 To 500, Add	*1.68*	
		For >5,000, Deduct	*-0.67*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	30.21	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	27.94	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	35.20	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	45.84	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	25.61	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	85.95	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape	132.14	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	191.60	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	267.18	
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	73.70	

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF	12.76	3.25
		For Up To 50, Add	*4.47*	
		For >50 To 200, Add	*2.55*	
		For >200 To 500, Add	*0.96*	
		For >2,500, Deduct	*-0.64*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF	13.78	3.25
		For Up To 50, Add	*4.87*	
		For >50 To 200, Add	*2.78*	
		For >200 To 500, Add	*1.04*	
		For >2,500, Deduct	*-0.69*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	4.83	2.16
		For Up To 50, Add	*2.30*	
		For >50 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.44*	
		For >2,500, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	8.85	3.25
		For Up To 50, Add	*4.13*	
		For >50 To 200, Add	*2.29*	
		For >200 To 500, Add	*0.79*	
		For >2,500, Deduct	*-0.44*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	6.19	2.16
		For Up To 50, Add	*2.51*	
		For >50 To 200, Add	*1.41*	
		For >200 To 500, Add	*0.51*	
		For >2,500, Deduct	*-0.31*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF	9.93	2.16
		For Up To 50, Add	*2.93*	
		For >50 To 200, Add	*1.72*	
		For >200 To 500, Add	*0.68*	
		For >2,500, Deduct	*-0.50*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.00
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.04
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.96
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.88

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	306.09	215.60
		For >35 To 75, Deduct	*-11.00*	
		For >75 To 100, Deduct	*-18.10*	
		For >100 To 200, Deduct	*-27.41*	
		For >200, Deduct	*-41.61*	
		For Steep Roof, Over 7 To 12, Add	*62.75*	
07 31 13 13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	321.03	226.43
		For >35 To 75, Deduct	*-11.52*	
		For >75 To 100, Deduct	*-18.97*	
		For >100 To 200, Deduct	*-28.72*	
		For >200, Deduct	*-43.62*	
		For Steep Roof, Over 7 To 12, Add	*65.87*	
07 31 13 13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	367.96	237.72
		For >35 To 75, Deduct	*-15.18*	
		For >75 To 100, Deduct	*-23.62*	
		For >100 To 200, Deduct	*-35.09*	
		For >200, Deduct	*-51.97*	
		For Steep Roof, Over 7 To 12, Add	*69.18*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	382.67	275.24
		For >35 To 75, Deduct	*-13.25*	
		For >75 To 100, Deduct	*-22.15*	
		For >100 To 200, Deduct	*-33.71*	
		For >200, Deduct	*-51.52*	
		For Steep Roof, Over 7 To 12, Add	*80.06*	
07 31 13 13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	400.78	262.06
		For >35 To 75, Deduct	*-16.25*	
		For >75 To 100, Deduct	*-25.46*	
		For >100 To 200, Deduct	*-37.91*	
		For >200, Deduct	*-56.33*	
		For Steep Roof, Over 7 To 12, Add	*76.26*	
07 31 13 13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	434.91	289.00
		For >35 To 75, Deduct	*-17.21*	
		For >75 To 100, Deduct	*-27.23*	
		For >100 To 200, Deduct	*-40.68*	
		For >200, Deduct	*-60.71*	
		For Steep Roof, Over 7 To 12, Add	*84.09*	
07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	415.62	249.59
		For >35 To 75, Deduct	*-18.87*	
		For >75 To 100, Deduct	*-28.32*	
		For >100 To 200, Deduct	*-41.54*	
		For >200, Deduct	*-60.44*	
		For Steep Roof, Over 7 To 12, Add	*72.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	470.32	303.46
		For >35 To 75, Deduct	*-19.45*	
		For >75 To 100, Deduct	*-30.24*	
		For >100 To 200, Deduct	*-44.91*	
		For >200, Deduct	*-66.48*	
		For Steep Roof, Over 7 To 12, Add	*88.26*	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	498.83	303.46
		For >35 To 75, Deduct	*-22.30*	
		For >75 To 100, Deduct	*-33.66*	
		For >100 To 200, Deduct	*-49.47*	
		For >200, Deduct	*-72.18*	
		For Steep Roof, Over 7 To 12, Add	*88.26*	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	545.24	334.52
		For >35 To 75, Deduct	*-24.11*	
		For >75 To 100, Deduct	*-36.53*	
		For >100 To 200, Deduct	*-53.78*	
		For >200, Deduct	*-78.63*	
		For Steep Roof, Over 7 To 12, Add	*97.33*	
07 31 13 13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	538.77	318.64
		For >35 To 75, Deduct	*-24.92*	
		For >75 To 100, Deduct	*-37.14*	
		For >100 To 200, Deduct	*-54.35*	
		For >200, Deduct	*-78.80*	
		For Steep Roof, Over 7 To 12, Add	*92.67*	
07 31 13 13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	533.89	303.46
		For >35 To 75, Deduct	*-25.81*	
		For >75 To 100, Deduct	*-37.86*	
		For >100 To 200, Deduct	*-55.08*	
		For >200, Deduct	*-79.20*	
		For Steep Roof, Over 7 To 12, Add	*88.26*	
07 31 13 13-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	621.99	334.52
		For >35 To 75, Deduct	*-31.78*	
		For >75 To 100, Deduct	*-45.74*	
		For >100 To 200, Deduct	*-66.06*	
		For >200, Deduct	*-93.98*	
		For Steep Roof, Over 7 To 12, Add	*97.33*	
07 31 13 13-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	641.98	334.52
		For >35 To 75, Deduct	*-33.78*	
		For >75 To 100, Deduct	*-48.14*	
		For >100 To 200, Deduct	*-69.26*	
		For >200, Deduct	*-97.98*	
		For Steep Roof, Over 7 To 12, Add	*97.33*	
07 31 13 13-0017	SQ	480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	712.80	368.87
		For >35 To 75, Deduct	*-37.75*	
		For >75 To 100, Deduct	*-53.68*	
		For >100 To 200, Deduct	*-77.16*	
		For >200, Deduct	*-109.03*	
		For Steep Roof, Over 7 To 12, Add	*107.31*	
07 31 13 13-0018	SQ	425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	700.26	351.22
		For >35 To 75, Deduct	*-38.09*	
		For >75 To 100, Deduct	*-53.69*	
		For >100 To 200, Deduct	*-76.91*	
		For >200, Deduct	*-108.12*	
		For Steep Roof, Over 7 To 12, Add	*102.19*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.02	1.29
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	4.36	3.21
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	5.23	3.57
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	99.98	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	809.27	207.38
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	1,088.01	226.66
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	14.55	2.98
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	15.20	2.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	9.75	2.98
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	11.03	2.98

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	634.14	181.17
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-10.87*	
		For >75 To 100, Deduct	*-28.08*	
		For >100 To 200, Deduct	*-48.01*	
		For >200, Deduct	*-65.22*	
		For Steep Roof, Over 7 To 12, Add	*115.96*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	608.67	179.72
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.97*	
		For >75 To 100, Deduct	*-26.44*	
		For >100 To 200, Deduct	*-45.40*	
		For >200, Deduct	*-61.86*	
		For Steep Roof, Over 7 To 12, Add	*114.98*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	1,030.33	181.17
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-26.72*	
		For >75 To 100, Deduct	*-55.82*	
		For >100 To 200, Deduct	*-91.59*	
		For >200, Deduct	*-120.69*	
		For Steep Roof, Over 7 To 12, Add	*115.96*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	944.90	179.72
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-23.42*	
		For >75 To 100, Deduct	*-49.97*	
		For >100 To 200, Deduct	*-82.38*	
		For >200, Deduct	*-108.93*	
		For Steep Roof, Over 7 To 12, Add	*114.98*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	10.46	2.42
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.23*	
		For >75 To 100, Deduct	*-0.52*	
		For >100 To 200, Deduct	*-0.87*	
		For >200, Deduct	*-1.16*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 LB felt and fasteners.

07 31 26 00-0001 Shingles Including 30 LB Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,456.59	309.01
		For >50 To 75, Deduct	*-30.80*	
		For >75 To 100, Deduct	*-71.06*	
		For >100 To 200, Deduct	*-119.03*	
		For >200, Deduct	*-159.29*	
		For Graduated Shapes, Add	*115.49*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,667.96	309.01
		For >50 To 75, Deduct	*-39.25*	
		For >75 To 100, Deduct	*-85.86*	
		For >100 To 200, Deduct	*-142.28*	
		For >200, Deduct	*-188.88*	
		For Graduated Shapes, Add	*147.20*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,604.55	309.01
		For >50 To 75, Deduct	*-36.72*	
		For >75 To 100, Deduct	*-81.42*	
		For >100 To 200, Deduct	*-135.30*	
		For >200, Deduct	*-180.01*	
		For Graduated Shapes, Add	*137.69*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,625.68	309.01
		For >50 To 75, Deduct	*-37.56*	
		For >75 To 100, Deduct	*-82.90*	
		For >100 To 200, Deduct	*-137.63*	
		For >200, Deduct	*-182.96*	
		For Graduated Shapes, Add	*140.86*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,710.23	309.01
		For >50 To 75, Deduct	*-40.94*	
		For >75 To 100, Deduct	*-88.82*	
		For >100 To 200, Deduct	*-146.93*	
		For >200, Deduct	*-194.80*	
		For Graduated Shapes, Add	*153.54*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,604.55	309.01
		For >50 To 75, Deduct	*-36.72*	
		For >75 To 100, Deduct	*-81.42*	
		For >100 To 200, Deduct	*-135.30*	
		For >200, Deduct	*-180.01*	
		For Graduated Shapes, Add	*137.69*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,541.14	309.01
		For >50 To 75, Deduct	*-34.18*	
		For >75 To 100, Deduct	*-76.98*	
		For >100 To 200, Deduct	*-128.33*	
		For >200, Deduct	*-171.13*	
		For Graduated Shapes, Add	*128.18*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,861.87	309.01
		For >50 To 75, Deduct	*-87.01*	
		For >75 To 100, Deduct	*-169.43*	
		For >100 To 200, Deduct	*-278.61*	
		For >200, Deduct	*-356.03*	
		For Graduated Shapes, Add	*326.28*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,604.55	309.01
		For >50 To 75, Deduct	*-36.72*	
		For >75 To 100, Deduct	*-81.42*	
		For >100 To 200, Deduct	*-135.30*	
		For >200, Deduct	*-180.01*	
		For Graduated Shapes, Add	*137.69*	
		For Steep Roof, Over 7 To 12, Add	*219.72*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	913.44	216.91
		For Steep Roof, Over 7 To 12, Add	*138.82*	
		For Pressure-Impregnated Treated (Preservative), Add	*71.94*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	661.11	162.68
		For Steep Roof, Over 7 To 12, Add	*104.12*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.36*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	812.38	184.38
		For Steep Roof, Over 7 To 12, Add	*118.00*	
		For Pressure-Impregnated Treated (Preservative), Add	*66.54*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	665.23	151.84
		For Steep Roof, Over 7 To 12, Add	*97.17*	
		For Pressure-Impregnated Treated (Preservative), Add	*54.23*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	891.76	143.71
		For Steep Roof, Over 7 To 12, Add	*91.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*90.65*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	688.22	122.01
		For Steep Roof, Over 7 To 12, Add	*78.09*	
		For Pressure-Impregnated Treated (Preservative), Add	*66.63*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	630.25	195.22
		For Pressure-Impregnated Treated (Preservative), Add	*35.97*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	618.10	184.38
		For Pressure-Impregnated Treated (Preservative), Add	*37.40*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	637.23	159.98
		For Pressure-Impregnated Treated (Preservative), Add	*47.59*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	842.90	227.76
		For Steep Roof, Over 7 To 12, Add	*145.76*	
		For Pressure-Impregnated Treated (Preservative), Add	*58.11*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	751.09	206.06
		For Steep Roof, Over 7 To 12, Add	*131.88*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.84*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	803.97	206.06
		For Steep Roof, Over 7 To 12, Add	*131.88*	
		For Pressure-Impregnated Treated (Preservative), Add	*58.78*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	717.32	184.38
		For Steep Roof, Over 7 To 12, Add	*118.00*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.29*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	709.05	143.71
		For Steep Roof, Over 7 To 12, Add	*91.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	577.87	124.72
		For Steep Roof, Over 7 To 12, Add	*79.82*	
		For Pressure-Impregnated Treated (Preservative), Add	*49.26*	
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	605.82	206.06
		For Pressure-Impregnated Treated (Preservative), Add	*29.05*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	586.36	195.22
		For Pressure-Impregnated Treated (Preservative), Add	*29.39*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	568.42	173.53
		For Pressure-Impregnated Treated (Preservative), Add	*33.20*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes *(07 31 29 16)*		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	662.39	176.24
		For Steep Roof, Over 7 To 12, Add	*112.79*	
		For Pressure-Impregnated Treated (Preservative), Add	*46.49*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	765.69	176.24
		For Steep Roof, Over 7 To 12, Add	*112.79*	
		For Pressure-Impregnated Treated (Preservative), Add	*61.98*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	713.53	143.71
		For Steep Roof, Over 7 To 12, Add	*91.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.92*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	757.43	143.71
		For Steep Roof, Over 7 To 12, Add	*91.97*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.50*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	689.51	189.79
		For Pressure-Impregnated Treated (Preservative), Add	*46.49*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	792.81	189.79
		For Pressure-Impregnated Treated (Preservative), Add	*61.98*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	751.50	162.68
		For Pressure-Impregnated Treated (Preservative), Add	*63.92*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	795.40	162.68
		For Pressure-Impregnated Treated (Preservative), Add	*70.50*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Accessories *(07 31 29 19)*		
07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes	11.46	1.41
		For Steep Roof, Over 7 To 12, Add	*1.05*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.23*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001		Synthetic Polymeric Rubber Slate Shingles *(07 31 33)*		
		Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	1,401.93	277.92
		Note: Gray or black.		
		For Purple Or Green Color, Add	*135.39*	
		For Brown Or Red Color, Add	*346.93*	
		For Steep Roof, Over 7 To 12, Add	*177.85*	
		For >50 To 75, Deduct	*-21.15*	
		For >75 To 100, Deduct	*-56.20*	
		For >100 To 200, Deduct	*-91.25*	
		For >200, Deduct	*-140.19*	
		For 6.5" Exposure, Add	*97.49*	
		For 6.0" Exposure, Add	*194.98*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	1,966.04	277.92
		Note: Fire resistant. Gray or black.		
		For Purple, Green, Brown Or Red, Add	*211.54*	
		For Steep Roof, Over 7 To 12, Add	*177.85*	
		For >50 To 75, Deduct	*-35.26*	
		For >75 To 100, Deduct	*-84.41*	
		For >100 To 200, Deduct	*-133.56*	
		For >200, Deduct	*-196.60*	
		For 6.5" Exposure, Add	*137.79*	
		For 6.0" Exposure, Add	*275.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,634.21	277.92
		For Purple, Green, Brown Or Red, Add	*388.24*	
		For Steep Roof, Over 7 To 12, Add	*177.85*	
		For >50 To 75, Deduct	*-26.96*	
		For >75 To 100, Deduct	*-67.82*	
		For >100 To 200, Deduct	*-108.67*	
		For >200, Deduct	*-163.42*	
		For 6.5" Exposure, Add	*114.09*	
		For 6.0" Exposure, Add	*228.16*	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,082.18	277.92
		For Purple, Green, Brown Or Red, Add	*167.91*	
		For Steep Roof, Over 7 To 12, Add	*177.85*	
		For >50 To 75, Deduct	*-38.16*	
		For >75 To 100, Deduct	*-90.21*	
		For >100 To 200, Deduct	*-142.27*	
		For >200, Deduct	*-208.22*	
		For 6.5" Exposure, Add	*146.08*	
		For 6.0" Exposure, Add	*292.16*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	16.18	1.87

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,370.75	293.06
		For >25 To 50, Deduct	*-47.07*	
		For >50 To 75, Deduct	*-93.11*	
		For >75 To 100, Deduct	*-131.30*	
		For >100 To 200, Deduct	*-161.65*	
		For >200, Deduct	*-184.15*	
		For 20 Year Warranty, Add	*54.92*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,622.21	293.06
		For >25 To 50, Deduct	*-62.16*	
		For >50 To 75, Deduct	*-118.26*	
		For >75 To 100, Deduct	*-163.99*	
		For >100 To 200, Deduct	*-199.37*	
		For >200, Deduct	*-224.38*	
		For 20 Year Warranty, Add	*72.52*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,622.21	293.06
		For >25 To 50, Deduct	*-62.16*	
		For >50 To 75, Deduct	*-118.26*	
		For >75 To 100, Deduct	*-163.99*	
		For >100 To 200, Deduct	*-199.37*	
		For >200, Deduct	*-224.38*	
		For 20 Year Warranty, Add	*72.52*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,835.57	293.06
		For >25 To 50, Deduct	*-74.96*	
		For >50 To 75, Deduct	*-139.59*	
		For >75 To 100, Deduct	*-191.73*	
		For >100 To 200, Deduct	*-231.37*	
		For >200, Deduct	*-258.52*	
		For 20 Year Warranty, Add	*87.46*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,636.37	358.32
		For >25 To 50, Deduct	*-55.19*	
		For >50 To 75, Deduct	*-109.89*	
		For >75 To 100, Deduct	*-155.40*	
		For >100 To 200, Deduct	*-191.71*	
		For >200, Deduct	*-218.82*	
		For 20 Year Warranty, Add	*64.38*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,011.71	358.32
		For >25 To 50, Deduct	*-77.71*	
		For >50 To 75, Deduct	*-147.43*	
		For >75 To 100, Deduct	*-204.19*	
		For >100 To 200, Deduct	*-248.01*	
		For >200, Deduct	*-278.88*	
		For 20 Year Warranty, Add	*90.66*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,574.01	483.39
		For >25 To 50, Deduct	*-96.45*	
		For >50 To 75, Deduct	*-184.91*	
		For >75 To 100, Deduct	*-257.30*	
		For >100 To 200, Deduct	*-313.61*	
		For >200, Deduct	*-353.85*	
		For 20 Year Warranty, Add	*112.53*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,448.58	358.32
		For >25 To 50, Deduct	*-43.92*	
		For >50 To 75, Deduct	*-91.11*	
		For >75 To 100, Deduct	*-130.99*	
		For >100 To 200, Deduct	*-163.54*	
		For >200, Deduct	*-188.78*	
		For 20 Year Warranty, Add	*51.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,752.63	358.32
		For >25 To 50, Deduct	*-62.16*	
		For >50 To 75, Deduct	*-121.52*	
		For >75 To 100, Deduct	*-170.51*	
		For >100 To 200, Deduct	*-209.15*	
		For >200, Deduct	*-237.42*	
		For 20 Year Warranty, Add	*72.52*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,229.75	268.29
		For >25 To 50, Deduct	*-41.59*	
		For >50 To 75, Deduct	*-82.73*	
		For >75 To 100, Deduct	*-116.94*	
		For >100 To 200, Deduct	*-144.22*	
		For >200, Deduct	*-164.56*	
		For 20 Year Warranty, Add	*48.52*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,557.41	268.29
		For >25 To 50, Deduct	*-61.25*	
		For >50 To 75, Deduct	*-115.49*	
		For >75 To 100, Deduct	*-159.53*	
		For >100 To 200, Deduct	*-193.36*	
		For >200, Deduct	*-216.99*	
		For 20 Year Warranty, Add	*71.45*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,839.35	268.29
		For >25 To 50, Deduct	*-78.16*	
		For >50 To 75, Deduct	*-143.69*	
		For >75 To 100, Deduct	*-196.19*	
		For >100 To 200, Deduct	*-235.66*	
		For >200, Deduct	*-262.10*	
		For 20 Year Warranty, Add	*91.19*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,258.12	420.55
		For >25 To 50, Deduct	*-85.02*	
		For >50 To 75, Deduct	*-162.73*	
		For >75 To 100, Deduct	*-226.27*	
		For >100 To 200, Deduct	*-275.64*	
		For >200, Deduct	*-310.83*	
		For 20 Year Warranty, Add	*99.19*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,043.09	293.06
		For >25 To 50, Deduct	*-27.41*	
		For >50 To 75, Deduct	*-60.34*	
		For >75 To 100, Deduct	*-88.71*	
		For >100 To 200, Deduct	*-112.50*	
		For >200, Deduct	*-131.72*	
		For 20 Year Warranty, Add	*31.98*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,400.87	420.55
		For >25 To 50, Deduct	*-33.59*	
		For >50 To 75, Deduct	*-77.00*	
		For >75 To 100, Deduct	*-114.83*	
		For >100 To 200, Deduct	*-147.05*	
		For >200, Deduct	*-173.67*	
		For 20 Year Warranty, Add	*39.18*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	1,127.65	444.24
		For >50 To 75, Deduct	*-9.56*	
		For >75 To 100, Deduct	*-38.95*	
		For >100 To 200, Deduct	*-70.73*	
		For >200, Deduct	*-100.11*	
		For Steep Roof, Over 7 To 12, Add	*284.35*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,359.73	444.24
		For >50 To 75, Deduct	*-18.85*	
		For >75 To 100, Deduct	*-55.19*	
		For >100 To 200, Deduct	*-96.25*	
		For >200, Deduct	*-132.60*	
		For Steep Roof, Over 7 To 12, Add	*284.35*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	1,174.06	444.24
		For >50 To 75, Deduct	*-11.42*	
		For >75 To 100, Deduct	*-42.20*	
		For >100 To 200, Deduct	*-75.83*	
		For >200, Deduct	*-106.61*	
		For Steep Roof, Over 7 To 12, Add	*284.35*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	1,092.14	397.47
		For >50 To 75, Deduct	*-11.88*	
		For >75 To 100, Deduct	*-40.67*	
		For >100 To 200, Deduct	*-72.43*	
		For >200, Deduct	*-101.22*	
		For Steep Roof, Over 7 To 12, Add	*254.42*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	3.92
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.58
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	3.89
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	4.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	4.64	

07 32 16 00-0012 ConcreteTiles Accessories (Boral) *(07 32 16)*

07 32 16 00-0013	EA	Saxony Galvanized Clip For Concrete Roof Tile	0.22	
07 32 16 00-0014	EA	1" x 3" x 8" Elevated Battens For Concrete Roof Tile	4.54	

07 32 16 00-0015 Concrete Roof Tiles (Boral) *(07 32 16)*

07 32 16 00-0016	SQ	13" x 17" Concrete Roof Tile, 85/SQ, 930 LB/SQ, Saxony® 900 Slate, California Mission Blend Color	1,068.15	444.24
		For >50 To 75, Deduct	*-7.18*	
		For >75 To 100, Deduct	*-34.78*	
		For >100 To 200, Deduct	*-64.18*	
		For >200, Deduct	*-91.78*	
		For Steep Roof, Over 7 To 12, Add	*284.35*	

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002	SQ	15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	40.38	8.95
		For Steep Roof, Over 7 To 12, Add	*5.73*	
		For >50 To 75, Deduct	*-0.90*	
		For >75 To 100, Deduct	*-2.02*	
		For >100 To 200, Deduct	*-3.37*	
		For >200, Deduct	*-4.94*	
07 34 00 00-0003	SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	62.18	12.32
		For Steep Roof, Over 7 To 12, Add	*7.88*	
		For >50 To 75, Deduct	*-1.50*	
		For >75 To 100, Deduct	*-3.24*	
		For >100 To 200, Deduct	*-5.36*	
		For >200, Deduct	*-7.72*	
07 34 00 00-0004	SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	69.25	12.32
		For Steep Roof, Over 7 To 12, Add	*7.88*	
		For >50 To 75, Deduct	*-1.78*	
		For >75 To 100, Deduct	*-3.74*	
		For >100 To 200, Deduct	*-6.14*	
		For >200, Deduct	*-8.71*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	77.42	18.66
		For Steep Roof, Over 7 To 12, Add	*11.94*	
		For >50 To 75, Deduct	*-1.60*	
		For >75 To 100, Deduct	*-3.74*	
		For >100 To 200, Deduct	*-6.28*	
		For >200, Deduct	*-9.35*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	85.79	18.66
		For Steep Roof, Over 7 To 12, Add	*11.94*	
		For >50 To 75, Deduct	*-1.94*	
		For >75 To 100, Deduct	*-4.33*	
		For >100 To 200, Deduct	*-7.20*	
		For >200, Deduct	*-10.52*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	99.59	18.66
		For Steep Roof, Over 7 To 12, Add	*11.94*	
		For >50 To 75, Deduct	*-2.49*	
		For >75 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-8.72*	
		For >200, Deduct	*-12.45*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	92.69	18.66
		For Steep Roof, Over 7 To 12, Add	*11.94*	
		For >50 To 75, Deduct	*-2.21*	
		For >75 To 100, Deduct	*-4.81*	
		For >100 To 200, Deduct	*-7.96*	
		For >200, Deduct	*-11.48*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	159.78	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-4.58*	
		For >75 To 100, Deduct	*-9.15*	
		For >100 To 200, Deduct	*-14.86*	
		For >200, Deduct	*-20.56*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	239.77	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-7.78*	
		For >75 To 100, Deduct	*-14.75*	
		For >100 To 200, Deduct	*-23.66*	
		For >200, Deduct	*-31.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	169.67	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-4.98*	
		For >75 To 100, Deduct	*-9.84*	
		For >100 To 200, Deduct	*-15.95*	
		For >200, Deduct	*-21.94*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	159.78	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-4.58*	
		For >75 To 100, Deduct	*-9.15*	
		For >100 To 200, Deduct	*-14.86*	
		For >200, Deduct	*-20.56*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	228.23	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-7.32*	
		For >75 To 100, Deduct	*-13.94*	
		For >100 To 200, Deduct	*-22.39*	
		For >200, Deduct	*-30.14*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	192.09	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-5.87*	
		For >75 To 100, Deduct	*-11.41*	
		For >100 To 200, Deduct	*-18.41*	
		For >200, Deduct	*-25.08*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	285.23	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-9.60*	
		For >75 To 100, Deduct	*-17.93*	
		For >100 To 200, Deduct	*-28.66*	
		For >200, Deduct	*-38.12*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	326.03	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-11.23*	
		For >75 To 100, Deduct	*-20.79*	
		For >100 To 200, Deduct	*-33.15*	
		For >200, Deduct	*-43.83*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	479.11	22.64
		For Steep Roof, Over 7 To 12, Add	*14.48*	
		For >50 To 75, Deduct	*-17.35*	
		For >75 To 100, Deduct	*-31.50*	
		For >100 To 200, Deduct	*-49.99*	
		For >200, Deduct	*-65.27*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	8.45	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.74	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.24	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.75	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.34	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.99	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.85	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0011		**Galvanized Exposed Fastener Metal Roof Accessories** *(07 41 13 00-0002)*		
		See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	27.57	2.87
		For Steep Roof, Over 7 To 12, Add	*3.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.60*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	17.20	1.88
		For Steep Roof, Over 7 To 12, Add	*2.47*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	33.85	2.87
		For Steep Roof, Over 7 To 12, Add	*3.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.23*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	28.14	2.87
		For Steep Roof, Over 7 To 12, Add	*3.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
07 41 13 00-0016		**Aluminum Exposed Fastener Metal Roofing** *(07 41 13 00-0001)*		
07 41 13 00-0017		**Aluminum Exposed Fastener Metal Roof Panels** *(07 41 13 00-0016)*		
07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	5.99	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.25	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.86	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.67	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.48	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.49	2.76
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
		For Steep Roof, Over 7 To 12, Add	*1.41*	
07 41 13 00-0024		**Aluminum Exposed Fastener Metal Roof Accessories** *(07 41 13 00-0016)*		
07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	31.42	2.87
		For Steep Roof, Over 7 To 12, Add	*3.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	19.42	1.99
		For Steep Roof, Over 7 To 12, Add	*2.47*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.17*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	39.26	2.87
		For Steep Roof, Over 7 To 12, Add	*3.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.77*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	32.13	2.87
		For Steep Roof, Over 7 To 12, Add	*3.71*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.05*	
07 41 13 00-0029		**Standing Seam Roofs** *(07 41 13)*		
		Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.13	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For Panels <16" Wide, Add	*1.74*	
		For 140 MPH Wind Load, Add	*0.73*	
		For Up To 1,500, Add	*3.28*	
		For >1,500 To 5,000, Add	*1.97*	
		For >5,000 To 10,000, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.82	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For Panels <16" Wide, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.46*	
		For >1,500 To 5,000, Add	*2.07*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.53	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For Panels <16" Wide, Add	*1.71*	
		For 140 MPH Wind Load, Add	*0.72*	
		For Up To 1,500, Add	*3.13*	
		For >1,500 To 5,000, Add	*1.88*	
		For >5,000 To 10,000, Add	*0.31*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.77	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For Panels <16" Wide, Add	*1.72*	
		For 140 MPH Wind Load, Add	*0.72*	
		For Up To 1,500, Add	*3.19*	
		For >1,500 To 5,000, Add	*1.92*	
		For >5,000 To 10,000, Add	*0.32*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.04	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For Panels <16" Wide, Add	*1.73*	
		For 140 MPH Wind Load, Add	*0.73*	
		For Up To 1,500, Add	*3.26*	
		For >1,500 To 5,000, Add	*1.96*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.03	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For Panels <16" Wide, Add	*1.78*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.51*	
		For >1,500 To 5,000, Add	*2.10*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0038		Accessories For Galvanized Steel Standing Seam Roofing *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	29.17	2.87
		For Steep Roof, Over 6 To 12, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.51*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	18.15	1.99
		For Steep Roof, Over 6 To 12, Add	*2.32*	
		For 140 MPH Wind Load, Add	*0.98*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	36.07	2.87
		For Steep Roof, Over 6 To 12, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.65*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	29.79	2.87
		For Steep Roof, Over 6 To 12, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.52*	
07 41 13 00-0043		Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
		Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.61	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.40*	
		For Panels < 16" Wide, Add	*1.76*	
		For Up To 5000, Add	*0.74*	
		For > 5000 To 10000, Add	*0.34*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.19	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.55*	
		For Panels < 16" Wide, Add	*1.79*	
		For Up To 5000, Add	*0.75*	
		For > 5000 To 10000, Add	*0.35*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.28	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For 140 MPH Wind Load, Add	*0.73*	
		For Up To 1,500, Add	*3.32*	
		For Panels < 16" Wide, Add	*1.75*	
		For Up To 5000, Add	*0.73*	
		For > 5000 To 10000, Add	*0.33*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.35	2.93
		For Steep Roof, Over 6 To 12, Add	*1.76*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Up To 1,500, Add	*3.59*	
		For Panels < 16" Wide, Add	*1.80*	
		For Up To 5000, Add	*0.76*	
		For > 5000 To 10000, Add	*0.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0049		Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	33.40	2.87
		For Steep Roof, Over 6 To 12, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.60*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	20.59	1.99
		For Steep Roof, Over 6 To 12, Add	*2.32*	
		For 140 MPH Wind Load, Add	*1.03*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	42.03	2.87
		For Steep Roof, Over 6 To 12, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.77*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.19	2.87
		For Steep Roof, Over 6 To 12, Add	*3.48*	
		For 140 MPH Wind Load, Add	*1.61*	
07 41 13 00-0054		Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
07 41 13 00-0055		Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	25.53	3.51
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For 140 MPH Wind Load, Add	*1.21*	
		For Up To 1,500, Add	*6.38*	
		For Up To 5000, Add	*2.55*	
		For > 5000 To 10000, Add	*0.64*	
		For Panels < 16" Wide, Add	*2.90*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	29.10	3.51
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For 140 MPH Wind Load, Add	*1.28*	
		For Up To 1,500, Add	*7.28*	
		For Up To 5000, Add	*2.91*	
		For > 5000 To 10000, Add	*0.73*	
		For Panels < 16" Wide, Add	*3.08*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	33.32	3.51
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For 140 MPH Wind Load, Add	*1.37*	
		For Up To 1,500, Add	*8.33*	
		For Up To 5000, Add	*3.33*	
		For > 5000 To 10000, Add	*0.83*	
		For Panels < 16" Wide, Add	*3.29*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	38.74	3.51
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For 140 MPH Wind Load, Add	*1.48*	
		For Up To 1,500, Add	*9.69*	
		For Up To 5000, Add	*3.87*	
		For > 5000 To 10000, Add	*0.97*	
		For Panels < 16" Wide, Add	*3.56*	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	78.23	3.20
		For Steep Roof, Over 6 To 12, Add	*3.84*	
		For 140 MPH Wind Load, Add	*2.59*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	42.24	2.10
		For Steep Roof, Over 6 To 12, Add	*2.55*	
		For 140 MPH Wind Load, Add	*1.52*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	108.08	3.20
		For Steep Roof, Over 6 To 12, Add	*3.81*	
		For 140 MPH Wind Load, Add	*3.18*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	80.60	3.20
		For Steep Roof, Over 6 To 12, Add	*3.84*	
		For 140 MPH Wind Load, Add	*2.64*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.79	
		For Steep Roof, Over 7 To 12, Add	*0.17*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	1.04	
		Note: 55% solids by volume.		
		For Steep Roof, Over 7 To 12, Add	*0.17*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	8.45	2.49
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	8.21	2.24
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	8.84	2.49
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	8.54	2.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	4.91	1.87
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	7.87	1.87
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	8.73	1.87
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	6.43	1.87
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	7.57	1.99
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	8.73	1.99

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*
Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	31.45	4.34
		For Non-Insulated Panels, Deduct	*-5.68*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	33.95	4.88
		For Non-Insulated Panels, Deduct	*-6.07*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	36.26	5.43
		For Non-Insulated Panels, Deduct	*-6.46*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	38.70	5.64
		For Non-Insulated Panels, Deduct	*-6.85*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	44.16	6.18
		For Non-Insulated Panels, Deduct	*-7.96*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	51.76	6.84
		For Non-Insulated Panels, Deduct	*-9.55*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*
Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	22.68	2.54
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	25.41	2.87
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	27.71	3.26
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	30.79	4.31
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*
Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*
Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	29.02	1.79
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	30.84	1.79
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.00	1.79
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	40.14	1.91
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	42.69	1.91
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	26.08	1.48
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	28.51	1.48
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	34.64	1.58
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	33.51	1.58
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	39.67	1.58

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*
Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	24.25	1.79
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	26.13	1.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	30.93	1.79
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	33.86	1.91
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	35.86	1.91
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	21.85	1.48
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.74	1.48
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.68	1.58
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	30.48	1.58
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	33.39	1.58

07 42 93 Soffit Panels *(07 42)*

07 42 93 00-0001 Aluminum Soffit And Fascia *(07 42 93)*

Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.56	1.51
		For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.72	1.60
		For 0.015" Thick, Deduct	*-0.18*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.30	1.64
		For 0.015" Thick, Deduct	*-0.22*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.98	1.73
		For 0.015" Thick, Deduct	*-0.33*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.83	1.89
		For 0.015" Thick, Deduct	*-0.44*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	13.23	2.08
		For 0.015" Thick, Deduct	*-0.66*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	16.66	2.30
		For 0.015" Thick, Deduct	*-0.88*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	20.14	2.52
		For 0.015" Thick, Deduct	*-1.10*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	5.44	1.48
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	5.98	1.51
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	7.08	1.57
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	8.27	1.60

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	12.03	3.78
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	12.20	3.78
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	12.49	3.78

07 46 16 00-0005 Aluminum Siding Panels *(07 46 16)*

07 46 16 00-0006 Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.02	2.21
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.43	2.21
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.71	2.21
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.22	2.21

07 46 16 00-0011 V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.12	2.21
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	14.80	2.21
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.79	2.21

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	13.86	2.21
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.49	2.21
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.48	2.21

07 46 16 00-0019 Aluminum Siding Accessories *(07 46 16)*

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	3.50	1.42
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	3.50	1.42
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.19	1.42
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	3.91	1.42
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	3.91	1.42

07 46 19 Steel Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0001		**Steel Siding Panels** *(07 46 19)*		
07 46 19 00-0002		**Corrugated Steel Siding Panels** *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.36	2.21
		For Galvanized Instead Of Painted Steel, Add	*2.24*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.20	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.95*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.92	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.88*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.51	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.02*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.27	2.21
		For Galvanized Instead Of Painted Steel, Add	*0.96*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.11	2.21
		For Galvanized Instead Of Painted Steel, Add	*0.92*	
07 46 19 00-0009		**Box Ribbed Steel Siding Panels** *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.49	2.21
		For Galvanized Instead Of Painted Steel, Add	*2.02*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.97	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.89*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.63	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.80*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.05	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.66*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.81	2.21
		For Galvanized Instead Of Painted Steel, Add	*1.35*	
07 46 19 00-0015		**Clapboard Steel Siding Panels** *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	10.09	1.10
07 46 23		**Wood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001		**Wood Lap Siding** *(07 46 23)*		
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.15	1.57
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	4.70	1.68
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.27	1.78
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.45	1.57
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	4.97	1.57
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.07	1.57
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.51	1.57
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	5.89	1.57
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.08	1.68
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.08	1.68
07 46 23 00-0012		**Tongue And Groove Siding** *(07 46 23)*		
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.15	1.57
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	4.61	1.57
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.26	1.57
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	4.88	1.57
07 46 29		**Plywood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001		**T-111 Siding** *(07 46 29)*		
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.03	0.76
		For Pressure Treated, Add	*0.18*	
07 46 33		**Plastic Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001		**Vinyl Siding** *(07 46 33)*		
		Note: Includes standard manufacturer's colors.		
07 46 33 00-0002		**Vinyl Siding Panels** *(07 46 33 00-0001)*		
		Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003		**Horizontal Vinyl Siding Panels** *(07 46 33 00-0002)*		
		Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.28	1.86
		For 0.040" Thick, Deduct	*-0.21*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.63*	
		For Manufacturer's Custom Colors, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.06	1.75
		For 0.040" Thick, Deduct	*-0.21*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.63*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.89	1.67
		For 0.040" Thick, Deduct	*-0.21*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.63*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.73	1.59
		For 0.040" Thick, Deduct	*-0.21*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.63*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.51	1.47
		For 0.040" Thick, Deduct	*-0.21*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.63*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	6.48	1.86
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	6.81	1.42
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	12.87	1.42
		For Manufacturer's Custom Colors, Add	*0.50*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.28	1.42
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.56	1.42
		For Manufacturer's Custom Colors, Add	*0.19*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	3.83	1.42
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	3.54	1.42
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	3.48	1.42
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	3.67	1.42
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.40	1.42
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	4.84	1.42
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.37	1.42
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	3.70	1.42
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	8.60	1.97
		For Manufacturer's Custom Colors, Add	*0.23*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.03	1.97
		For Manufacturer's Custom Colors, Add	*0.26*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.97	1.97
		For Manufacturer's Custom Colors, Add	*0.30*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.04	1.42
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	6.38	1.42
		For Manufacturer's Custom Colors, Add	*0.18*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	5.41	1.42
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.48	1.51
		For 0.038" Thick, Deduct	*-0.64*	
		For 0.040" Thick, Deduct	*-0.55*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.58	1.60
		For 0.038" Thick, Deduct	*-1.09*	
		For 0.040" Thick, Deduct	*-0.90*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.14	1.64
		For 0.038" Thick, Deduct	*-1.31*	
		For 0.040" Thick, Deduct	*-1.10*	
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.74	1.73
		For 0.038" Thick, Deduct	*-1.97*	
		For 0.040" Thick, Deduct	*-1.65*	
		For Manufacturer's Custom Colors, Add	*0.21*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.51	1.89
		For 0.038" Thick, Deduct	*-2.61*	
		For 0.040" Thick, Deduct	*-2.20*	
		For Manufacturer's Custom Colors, Add	*0.29*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	12.75	2.08
		For 0.038" Thick, Deduct	*-3.94*	
		For 0.040" Thick, Deduct	*-3.29*	
		For Manufacturer's Custom Colors, Add	*0.43*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	16.01	2.30
		For 0.038" Thick, Deduct	*-5.24*	
		For 0.040" Thick, Deduct	*-4.39*	
		For Manufacturer's Custom Colors, Add	*0.57*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	19.33	2.52
		For 0.038" Thick, Deduct	*-6.55*	
		For 0.040" Thick, Deduct	*-5.49*	
		For Manufacturer's Custom Colors, Add	*0.71*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	4.69	1.48
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	5.27	1.51
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	5.18	1.57
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.00	1.60
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0043		Fiberglass Siding *(07 46 33)*		
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	7.03	2.19
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	7.51	1.97
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	8.40	1.97
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	6.71	1.97
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	7.51	1.97
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.14	2.30
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.83	2.19
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.70	2.14
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.57	2.07
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.31	1.97
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.07	1.86
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.34	0.55
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	8.76	2.02
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	4.49	1.64
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.94	1.10
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	3.66	1.20
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	4.34	1.31
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	5.62	1.54
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.06	1.10
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	3.85	1.20
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	4.65	1.31
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	4.93	1.54
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	3.22	1.10
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	4.13	1.20
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	5.05	1.31
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	6.65	1.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	5.64	2.16
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	6.89	2.41
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	7.54	2.41
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	9.80	2.83
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	7.14	1.57
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	7.66	1.57

07 46 63 Fabricated Panel Assemblies with Siding *(07 46)*

07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.34	1.83
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.41	1.83
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.30	1.83
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.49	1.83

07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	117.95
		For Up To 10, Add	*31.43*
		For >10 To 20, Add	*17.68*
		For >20 To 40, Add	*9.82*
		For >75 To 100, Deduct	*-4.91*
		For >100 To 200, Deduct	*-10.80*
		For >200, Deduct	*-15.71*
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	323.19
		For Up To 10, Add	*72.48*
		For >10 To 20, Add	*38.20*
		For >20 To 40, Add	*20.08*
		For >75 To 100, Deduct	*-10.04*
		For >100 To 200, Deduct	*-21.06*
		For >200, Deduct	*-31.10*

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	7.80

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	87.34
		For Up To 10, Add	*25.44*
		For >10 To 20, Add	*14.71*
		For >20 To 40, Add	*8.35*
		For >75 To 100, Deduct	*-4.18*
		For >100 To 200, Deduct	*-9.35*
		For >200, Deduct	*-13.52*
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	93.19
		For Up To 10, Add	*26.61*
		For >10 To 20, Add	*15.30*
		For >20 To 40, Add	*8.64*
		For >75 To 100, Deduct	*-4.32*
		For >100 To 200, Deduct	*-9.64*
		For >200, Deduct	*-13.96*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	99.84	
		For Up To 10, Add	*27.94*	
		For >10 To 20, Add	*15.96*	
		For >20 To 40, Add	*8.98*	
		For >75 To 100, Deduct	*-4.49*	
		For >100 To 200, Deduct	*-9.97*	
		For >200, Deduct	*-14.46*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	173.59	
		For Up To 10, Add	*42.69*	
		For >10 To 20, Add	*23.34*	
		For >20 To 40, Add	*12.66*	
		For >75 To 100, Deduct	*-6.33*	
		For >100 To 200, Deduct	*-13.66*	
		For >200, Deduct	*-19.99*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	292.59	
		For Up To 10, Add	*66.49*	
		For >10 To 20, Add	*35.24*	
		For >20 To 40, Add	*18.61*	
		For >75 To 100, Deduct	*-9.31*	
		For >100 To 200, Deduct	*-19.61*	
		For >200, Deduct	*-28.92*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	222.38	
		For Up To 10, Add	*53.20*	
		For >10 To 20, Add	*28.78*	
		For >20 To 40, Add	*15.48*	
		For >75 To 100, Deduct	*-7.74*	
		For >100 To 200, Deduct	*-16.57*	
		For >200, Deduct	*-24.32*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.01	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	90.89	
		For Up To 10, Add	*22.09*	
		For >10 To 20, Add	*12.03*	
		For >20 To 40, Add	*6.50*	
		For >75 To 100, Deduct	*-3.25*	
		For >100 To 200, Deduct	*-6.99*	
		For >200, Deduct	*-10.24*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	171.29	
		For Up To 10, Add	*38.17*	
		For >10 To 20, Add	*20.07*	
		For >20 To 40, Add	*10.52*	
		For >75 To 100, Deduct	*-5.26*	
		For >100 To 200, Deduct	*-11.01*	
		For >200, Deduct	*-16.27*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	290.28	
		For Up To 10, Add	*61.97*	
		For >10 To 20, Add	*31.97*	
		For >20 To 40, Add	*16.47*	
		For >75 To 100, Deduct	*-8.24*	
		For >100 To 200, Deduct	*-16.96*	
		For >200, Deduct	*-25.20*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.04	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	114.29	
		For Up To 10, Add	*30.70*	
		For >10 To 20, Add	*17.31*	
		For >20 To 40, Add	*9.63*	
		For >75 To 100, Deduct	*-4.82*	
		For >100 To 200, Deduct	*-10.61*	
		For >200, Deduct	*-15.43*	
07 51 13 00-0029	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	129.38	
		For Up To 10, Add	*33.72*	
		For >10 To 20, Add	*18.82*	
		For >20 To 40, Add	*10.39*	
		For >75 To 100, Deduct	*-5.19*	
		For >100 To 200, Deduct	*-11.37*	
		For >200, Deduct	*-16.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0030		Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*		
		Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	83.68	
		For Up To 10, Add	*24.71*	
		For >10 To 20, Add	*14.35*	
		For >20 To 40, Add	*8.17*	
		For >75 To 100, Deduct	*-4.08*	
		For >100 To 200, Deduct	*-9.17*	
		For >200, Deduct	*-13.25*	
07 51 13 00-0032	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	98.77	
		For Up To 10, Add	*27.72*	
		For >10 To 20, Add	*15.85*	
		For >20 To 40, Add	*8.92*	
		For >75 To 100, Deduct	*-4.46*	
		For >100 To 200, Deduct	*-9.92*	
		For >200, Deduct	*-14.38*	
07 51 13 00-0033		Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*		
		Note: Includes fasteners.		
07 51 13 00-0034	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	42.04	
		For Up To 10, Add	*12.32*	
		For >10 To 20, Add	*7.14*	
		For >20 To 40, Add	*4.06*	
		For >75 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-4.55*	
		For >200, Deduct	*-6.58*	
07 51 13 00-0035	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	57.13	
		For Up To 10, Add	*15.34*	
		For >10 To 20, Add	*8.65*	
		For >20 To 40, Add	*4.81*	
		For >75 To 100, Deduct	*-2.41*	
		For >100 To 200, Deduct	*-5.30*	
		For >200, Deduct	*-7.71*	
07 51 13 00-0036		Surfacing *(07 51 13 00-0001)*		
07 51 13 00-0037	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	185.92	
		For Up To 10, Add	*56.79*	
		For >10 To 20, Add	*33.30*	
		For >20 To 40, Add	*19.10*	
		For >75 To 100, Deduct	*-9.55*	
		For >100 To 200, Deduct	*-21.55*	
		For >200, Deduct	*-31.10*	
07 51 13 00-0038	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	274.73	
		For Up To 10, Add	*74.55*	
		For >10 To 20, Add	*42.18*	
		For >20 To 40, Add	*23.54*	
		For >75 To 100, Deduct	*-11.77*	
		For >100 To 200, Deduct	*-25.99*	
		For >200, Deduct	*-37.76*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness	194.38	
		Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid	53.49	
		Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
		For Up To 10, Add	*13.28*	
		For >10 To 20, Add	*7.29*	
		For >20 To 40, Add	*3.97*	
		For >75 To 100, Deduct	*-1.98*	
		For >100 To 200, Deduct	*-4.29*	
		For >200, Deduct	*-6.27*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	132.72	
		Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
		For Up To 10, Add	*31.25*	
		For >10 To 20, Add	*16.80*	
		For >20 To 40, Add	*8.99*	
		For >75 To 100, Deduct	*-4.49*	
		For >100 To 200, Deduct	*-9.58*	
		For >200, Deduct	*-14.07*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	118.03	
		Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
		For Up To 10, Add	*28.31*	
		For >10 To 20, Add	*15.33*	
		For >20 To 40, Add	*8.25*	
		For >75 To 100, Deduct	*-4.13*	
		For >100 To 200, Deduct	*-8.84*	
		For >200, Deduct	*-12.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	158.11	
		Note: Reflective coating for use over smooth-surfaced built-up roofs.		
		For Up To 10, Add	*36.33*	
		For >10 To 20, Add	*19.34*	
		For >20 To 40, Add	*10.26*	
		For >75 To 100, Deduct	*-5.13*	
		For >100 To 200, Deduct	*-10.85*	
		For >200, Deduct	*-15.97*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat	159.42	
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
		For Up To 10, Add	*36.59*	
		For >10 To 20, Add	*19.47*	
		For >20 To 40, Add	*10.32*	
		For >75 To 100, Deduct	*-5.16*	
		For >100 To 200, Deduct	*-10.91*	
		For >200, Deduct	*-16.07*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*47.20*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat	164.82	
		Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
		For Up To 10, Add	*37.67*	
		For >10 To 20, Add	*20.01*	
		For >20 To 40, Add	*10.59*	
		For >75 To 100, Deduct	*-5.30*	
		For >100 To 200, Deduct	*-11.18*	
		For >200, Deduct	*-16.48*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*48.98*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast	2.65	
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast	4.61	
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	41.99	
07 51 13 00-0049		**Walkway Pads** *(07 51 13 00-0001)*		
		Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	33.24	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	39.56	
07 51 13 00-0052		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	4.70	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	4.85	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	5.54	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.42	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.53	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	5.26	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	6.05	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	6.27	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	7.09	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	7.01	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	8.51	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	9.59	
07 51 13 00-0065		**Asphalt Primer** *(07 51 13 00-0001)*		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems	39.05	
		Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
07 51 13 00-0067		**Demolish Built-Up Roofing** *(07 51 13 00-0001)*		
		Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System		411.68
		For Up To 10, Add		*102.18*
		For >10 To 25, Add		*61.31*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System		317.59
		Note: Includes protective surfacing.		
		For Up To 10, Add		*78.82*
		For >10 To 25, Add		*47.29*
07 51 13 00-0070		**Roofing System Warranty** *(07 51 13 00-0001)*		
		Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	634.62	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.07	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	725.28	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.51	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	997.26	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	19.95	
07 51 13 00-0077		**Built-Up Roofing Components (Tremco)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078		**Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component	145.98	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component	177.01	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component	203.66	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0082	SQ	28 LB BURmastic Glass Ply, Cold Applied BUR Component	46.37	
		Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083	SQ	33 LB BURmastic Glass Ply, Cold Applied BUR Component	67.17	
		Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component	278.50	
		Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0085	SQ	POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component	257.64	
		Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0086		**Hot Or Cold Applied Modified Bitumen Cap Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component	157.83	
		Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component	417.47	
		Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component	690.32	
		Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component	184.44	
		Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component	282.77	
		Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component	685.03	
		Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component	498.71	
		Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component	494.17	
		Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0095		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing	286.98	
		Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing	568.72	
		Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0098		**Flashings** *(07 51 13 00-0077)*		
07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing	17.80	
		Note: 45 mils.		
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing	28.87	
		Note: 45 mils.		
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing	38.34	
		Note: 45 mils.		
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing	56.25	
		Note: 45 mils.		
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing	92.61	
		Note: 45 mils.		
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane	14.11	
		Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane	22.96	
		Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane	30.59	
		Note: Polyester reinforced flashing membrane. 45 mils.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	44.72	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	75.26	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.98	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.16	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	5.85	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	15.15	
07 51 13 00-0113		**Cold Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	178.54	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	294.34	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	227.29	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	178.54	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	90.68	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	201.33	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	198.68	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	553.18	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	305.76	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	343.80	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	64.59	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	119.28	
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	21.81	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	28.79	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	17.62	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	6.72	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	6.90	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	6.76	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	265.94	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	594.87	
07 51 13 00-0137	SQ	Polar Coat	152.95	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	187.41	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	544.18	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	247.02	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	70.14	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	34.55	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	39.48	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	87.65	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	452.47	
07 51 13 00-0149	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	460.92	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	591.92	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	769.91	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	449.21	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	86.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	87.73	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	94.26	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	69.58	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	62.63	
07 51 13 00-0158		Atactic-Polypropylene (APP) Products *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	233.48	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	441.62	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	353.92	
07 51 13 00-0162		Tri-Polymer Alloy (TPA) White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	620.45	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	850.45	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	966.04	
07 51 13 00-0166		Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	713.16	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	874.51	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,069.59	
07 51 13 00-0170		Tri-Polymer Alloy (TPA) Membrane Accessories *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	127.62	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	144.95	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	20.86	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	72.20	
07 51 13 00-0175		Thermoplastic Polyolefin (TPO) Polyester White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	333.82	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	337.99	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	601.75	
07 51 13 00-0179		Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	387.73	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	436.66	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	634.85	
07 51 13 00-0183		Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,039.80	
07 51 13 00-0185		Single Ply Adhesives *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	168.89	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	190.68	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	165.73	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	110.80	
07 51 13 00-0190		Warranty (Tremco) *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		Built-Up Roofing Components (Garland) *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		Modified Cap Membranes *(07 51 13 00-0195)* See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		Modified Cap Membranes, Hot/Cold Applied *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	725.62	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	519.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	642.80	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	667.93	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	929.72	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,045.08	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	438.84	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	554.06	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	339.07	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	656.84	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	808.45	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	879.45	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	926.77	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	846.90	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	897.19	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	941.56	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	744.60	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,178.19	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	959.31	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)* Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	663.50	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	417.24	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	95.72	
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil Note: Inner ply felts for hot applied built up and modified BUR systems.	63.48	
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	77.22	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	83.88	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	130.08	
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	422.19	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil Note: Self adhering base ply for self adhering 2 ply system.	364.75	
07 51 13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	339.93	
07 51 13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	370.07	
07 51 13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	307.22	
07 51 13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.69	
07 51 13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	15.57	
07 51 13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	73.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.41	
07 51 13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.39	
07 51 13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.26	
07 51 13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	161.10	
07 51 13 00-0240		Coatings And Mastics For Roof Installation, Restoration And Repairs *(07 51 13 00-0195)*		
07 51 13 00-0241	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	47.16	
07 51 13 00-0242	SQ	Black-Knight® Primer	43.68	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	177.68	
07 51 13 00-0244	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	188.55	
07 51 13 00-0245	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	300.22	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	481.54	
07 51 13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	496.02	
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	232.12	
07 51 13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	383.65	
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	590.52	
07 51 13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	981.17	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	411.23	
07 51 13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	425.71	
07 51 13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	900.79	
07 51 13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	390.55	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	191.41	
07 51 13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	205.89	
07 51 13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	179.06	
07 51 13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	167.31	
07 51 13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products Note: Adheres all insulation layers for cold systems.	21.57	
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	201.52	
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	195.37	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	25.29	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	260.70	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,500.18	
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	333.27	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	406.32	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	151.68	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	507.55	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.	150.55	

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	216.33
		For Up To 10, Add	*51.11*
		For >10 To 20, Add	*27.51*
		For >20 To 40, Add	*14.74*
		For >75 To 100, Deduct	*-7.37*
		For >100 To 200, Deduct	*-15.72*
		For >200, Deduct	*-23.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	263.19	
		For Up To 10, Add	*60.48*	
		For >10 To 20, Add	*32.20*	
		For >20 To 40, Add	*17.08*	
		For >75 To 100, Deduct	*-8.54*	
		For >100 To 200, Deduct	*-18.06*	
		For >200, Deduct	*-26.60*	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	412.83	
		For Up To 10, Add	*90.41*	
		For >10 To 20, Add	*47.16*	
		For >20 To 40, Add	*24.56*	
		For >75 To 100, Deduct	*-12.28*	
		For >100 To 200, Deduct	*-25.54*	
		For >200, Deduct	*-37.82*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	416.56	
		For Up To 10, Add	*91.90*	
		For >10 To 20, Add	*48.10*	
		For >20 To 40, Add	*25.12*	
		For >75 To 100, Deduct	*-12.56*	
		For >100 To 200, Deduct	*-26.19*	
		For >200, Deduct	*-38.75*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	298.37	
		For Up To 10, Add	*68.26*	
		For >10 To 20, Add	*36.28*	
		For >20 To 40, Add	*19.21*	
		For >75 To 100, Deduct	*-9.61*	
		For >100 To 200, Deduct	*-20.28*	
		For >200, Deduct	*-29.89*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	345.77	
		For Up To 10, Add	*77.74*	
		For >10 To 20, Add	*41.02*	
		For >20 To 40, Add	*21.58*	
		For >75 To 100, Deduct	*-10.79*	
		For >100 To 200, Deduct	*-22.65*	
		For >200, Deduct	*-33.45*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	474.92	
		For Up To 10, Add	*103.57*	
		For >10 To 20, Add	*53.93*	
		For >20 To 40, Add	*28.04*	
		For >75 To 100, Deduct	*-14.02*	
		For >100 To 200, Deduct	*-29.11*	
		For >200, Deduct	*-43.13*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.12	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.28	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	156.30	
		For Up To 10, Add	*39.09*	
		For >10 To 20, Add	*21.51*	
		For >20 To 40, Add	*11.73*	
		For >75 To 100, Deduct	*-5.87*	
		For >100 To 200, Deduct	*-12.71*	
		For >200, Deduct	*-18.58*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	203.17	
		For Up To 10, Add	*48.47*	
		For >10 To 20, Add	*26.19*	
		For >20 To 40, Add	*14.08*	
		For >75 To 100, Deduct	*-7.04*	
		For >100 To 200, Deduct	*-15.05*	
		For >200, Deduct	*-22.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	244.82	
		For Up To 10, Add	*60.73*	
		For >10 To 20, Add	*33.31*	
		For >20 To 40, Add	*18.12*	
		For >75 To 100, Deduct	*-9.06*	
		For >100 To 200, Deduct	*-19.59*	
		For >200, Deduct	*-28.66*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	256.81	
		For Up To 10, Add	*63.13*	
		For >10 To 20, Add	*34.50*	
		For >20 To 40, Add	*18.72*	
		For >75 To 100, Deduct	*-9.36*	
		For >100 To 200, Deduct	*-20.19*	
		For >200, Deduct	*-29.55*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	354.16	
		For Up To 10, Add	*82.60*	
		For >10 To 20, Add	*44.24*	
		For >20 To 40, Add	*23.59*	
		For >75 To 100, Deduct	*-11.80*	
		For >100 To 200, Deduct	*-25.06*	
		For >200, Deduct	*-36.86*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	244.82	
		For Up To 10, Add	*60.73*	
		For >10 To 20, Add	*33.31*	
		For >20 To 40, Add	*18.12*	
		For >75 To 100, Deduct	*-9.06*	
		For >100 To 200, Deduct	*-19.59*	
		For >200, Deduct	*-28.66*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	259.81	
		For Up To 10, Add	*63.73*	
		For >10 To 20, Add	*34.80*	
		For >20 To 40, Add	*18.87*	
		For >75 To 100, Deduct	*-9.44*	
		For >100 To 200, Deduct	*-20.34*	
		For >200, Deduct	*-29.78*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	354.16	
		For Up To 10, Add	*82.60*	
		For >10 To 20, Add	*44.24*	
		For >20 To 40, Add	*23.59*	
		For >75 To 100, Deduct	*-11.80*	
		For >100 To 200, Deduct	*-25.06*	
		For >200, Deduct	*-36.86*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	254.26	
		For Up To 10, Add	*62.62*	
		For >10 To 20, Add	*34.25*	
		For >20 To 40, Add	*18.60*	
		For >75 To 100, Deduct	*-9.30*	
		For >100 To 200, Deduct	*-20.07*	
		For >200, Deduct	*-29.36*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	268.81	
		For Up To 10, Add	*65.53*	
		For >10 To 20, Add	*35.70*	
		For >20 To 40, Add	*19.32*	
		For >75 To 100, Deduct	*-9.66*	
		For >100 To 200, Deduct	*-20.79*	
		For >200, Deduct	*-30.45*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	304.51	
		For Up To 10, Add	*72.67*	
		For >10 To 20, Add	*39.27*	
		For >20 To 40, Add	*21.11*	
		For >75 To 100, Deduct	*-10.55*	
		For >100 To 200, Deduct	*-22.58*	
		For >200, Deduct	*-33.13*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	308.86	
		For Up To 10, Add	*73.54*	
		For >10 To 20, Add	*39.71*	
		For >20 To 40, Add	*21.33*	
		For >75 To 100, Deduct	*-10.66*	
		For >100 To 200, Deduct	*-22.80*	
		For >200, Deduct	*-33.46*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	430.81	
		For Up To 10, Add	*97.93*	
		For >10 To 20, Add	*51.90*	
		For >20 To 40, Add	*27.42*	
		For >75 To 100, Deduct	*-13.71*	
		For >100 To 200, Deduct	*-28.89*	
		For >200, Deduct	*-42.60*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.62	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.77	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.71	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.86	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.26	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.48	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	230.29	
		For Up To 10, Add	*49.97*	
		For >10 To 20, Add	*25.97*	
		For >20 To 40, Add	*13.47*	
		For >75 To 100, Deduct	*-6.74*	
		For >100 To 200, Deduct	*-13.96*	
		For >200, Deduct	*-20.70*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	170.45	
		For Up To 10, Add	*41.93*	
		For >10 To 20, Add	*22.93*	
		For >20 To 40, Add	*12.44*	
		For >75 To 100, Deduct	*-6.22*	
		For >100 To 200, Deduct	*-13.42*	
		For >200, Deduct	*-19.64*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	222.48	
		For Up To 10, Add	*52.34*	
		For >10 To 20, Add	*28.13*	
		For >20 To 40, Add	*15.04*	
		For >75 To 100, Deduct	*-7.52*	
		For >100 To 200, Deduct	*-16.02*	
		For >200, Deduct	*-23.55*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	229.19	
		For Up To 10, Add	*53.68*	
		For >10 To 20, Add	*28.80*	
		For >20 To 40, Add	*15.38*	
		For >75 To 100, Deduct	*-7.69*	
		For >100 To 200, Deduct	*-16.36*	
		For >200, Deduct	*-24.05*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	312.19	
		For Up To 10, Add	*70.28*	
		For >10 To 20, Add	*37.10*	
		For >20 To 40, Add	*19.53*	
		For >75 To 100, Deduct	*-9.76*	
		For >100 To 200, Deduct	*-20.51*	
		For >200, Deduct	*-30.27*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	396.19	
		For Up To 10, Add	*87.08*	
		For >10 To 20, Add	*45.50*	
		For >20 To 40, Add	*23.73*	
		For >75 To 100, Deduct	*-11.86*	
		For >100 To 200, Deduct	*-24.71*	
		For >200, Deduct	*-36.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	330.29	
		For Up To 10, Add	*74.64*	
		For >10 To 20, Add	*39.47*	
		For >20 To 40, Add	*20.81*	
		For >75 To 100, Deduct	*-10.40*	
		For >100 To 200, Deduct	*-21.88*	
		For >200, Deduct	*-32.28*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	339.32	
		For Up To 10, Add	*76.45*	
		For >10 To 20, Add	*40.37*	
		For >20 To 40, Add	*21.26*	
		For >75 To 100, Deduct	*-10.63*	
		For >100 To 200, Deduct	*-22.33*	
		For >200, Deduct	*-32.96*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	297.02	
		For Up To 10, Add	*67.99*	
		For >10 To 20, Add	*36.14*	
		For >20 To 40, Add	*19.14*	
		For >75 To 100, Deduct	*-9.57*	
		For >100 To 200, Deduct	*-20.22*	
		For >200, Deduct	*-29.79*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	300.92	
		For Up To 10, Add	*68.77*	
		For >10 To 20, Add	*36.53*	
		For >20 To 40, Add	*19.34*	
		For >75 To 100, Deduct	*-9.67*	
		For >100 To 200, Deduct	*-20.41*	
		For >200, Deduct	*-30.08*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	336.92	
		For Up To 10, Add	*75.97*	
		For >10 To 20, Add	*40.13*	
		For >20 To 40, Add	*21.14*	
		For >75 To 100, Deduct	*-10.57*	
		For >100 To 200, Deduct	*-22.21*	
		For >200, Deduct	*-32.78*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	342.92	
		For Up To 10, Add	*77.17*	
		For >10 To 20, Add	*40.73*	
		For >20 To 40, Add	*21.44*	
		For >75 To 100, Deduct	*-10.72*	
		For >100 To 200, Deduct	*-22.51*	
		For >200, Deduct	*-33.23*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	395.42	
		For Up To 10, Add	*87.67*	
		For >10 To 20, Add	*45.98*	
		For >20 To 40, Add	*24.06*	
		For >75 To 100, Deduct	*-12.03*	
		For >100 To 200, Deduct	*-25.14*	
		For >200, Deduct	*-37.17*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	491.06	
		For Up To 10, Add	*106.80*	
		For >10 To 20, Add	*55.55*	
		For >20 To 40, Add	*28.85*	
		For >75 To 100, Deduct	*-14.42*	
		For >100 To 200, Deduct	*-29.92*	
		For >200, Deduct	*-44.34*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	303.53	
		For Up To 10, Add	*69.29*	
		For >10 To 20, Add	*36.79*	
		For >20 To 40, Add	*19.47*	
		For >75 To 100, Deduct	*-9.73*	
		For >100 To 200, Deduct	*-20.54*	
		For >200, Deduct	*-30.28*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	312.92	
		For Up To 10, Add	*71.17*	
		For >10 To 20, Add	*37.73*	
		For >20 To 40, Add	*19.94*	
		For >75 To 100, Deduct	*-9.97*	
		For >100 To 200, Deduct	*-21.01*	
		For >200, Deduct	*-30.98*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	363.92	
		For Up To 10, Add	*81.37*	
		For >10 To 20, Add	*42.83*	
		For >20 To 40, Add	*22.49*	
		For >75 To 100, Deduct	*-11.24*	
		For >100 To 200, Deduct	*-23.56*	
		For >200, Deduct	*-34.81*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	365.12	
		For Up To 10, Add	*81.61*	
		For >10 To 20, Add	*42.95*	
		For >20 To 40, Add	*22.55*	
		For >75 To 100, Deduct	*-11.27*	
		For >100 To 200, Deduct	*-23.62*	
		For >200, Deduct	*-34.90*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	387.92	
		For Up To 10, Add	*86.17*	
		For >10 To 20, Add	*45.23*	
		For >20 To 40, Add	*23.69*	
		For >75 To 100, Deduct	*-11.84*	
		For >100 To 200, Deduct	*-24.76*	
		For >200, Deduct	*-36.61*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.34
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.92
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.96
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.38
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.90
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.86
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.99
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.08
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.60
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.83
		For Factory Applied White Reflective Surfacing, Add	*1.05*
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.70
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.44

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	139.84	
		For Up To 10, Add	*35.94*	
		For >10 To 20, Add	*19.96*	
		For >20 To 40, Add	*10.98*	
		For >75 To 100, Deduct	*-5.49*	
		For >100 To 200, Deduct	*-11.97*	
		For >200, Deduct	*-17.46*	
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	191.88	
		For Up To 10, Add	*46.35*	
		For >10 To 20, Add	*25.17*	
		For >20 To 40, Add	*13.58*	
		For >75 To 100, Deduct	*-6.79*	
		For >100 To 200, Deduct	*-14.58*	
		For >200, Deduct	*-21.36*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	198.59	
		For Up To 10, Add	*47.69*	
		For >10 To 20, Add	*25.84*	
		For >20 To 40, Add	*18.91*	
		For >75 To 100, Deduct	*-6.96*	
		For >100 To 200, Deduct	*-14.91*	
		For >200, Deduct	*-21.87*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	281.59	
		For Up To 10, Add	*64.29*	
		For >10 To 20, Add	*34.14*	
		For >20 To 40, Add	*18.06*	
		For >75 To 100, Deduct	*-9.03*	
		For >100 To 200, Deduct	*-19.06*	
		For >200, Deduct	*-28.09*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	365.59	
		For Up To 10, Add	*81.09*	
		For >10 To 20, Add	*42.54*	
		For >20 To 40, Add	*22.26*	
		For >75 To 100, Deduct	*-11.13*	
		For >100 To 200, Deduct	*-23.26*	
		For >200, Deduct	*-34.39*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	299.75	
		For Up To 10, Add	*68.68*	
		For >10 To 20, Add	*36.52*	
		For >20 To 40, Add	*19.35*	
		For >75 To 100, Deduct	*-9.68*	
		For >100 To 200, Deduct	*-20.44*	
		For >200, Deduct	*-30.12*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	308.78	
		For Up To 10, Add	*70.48*	
		For >10 To 20, Add	*37.42*	
		For >20 To 40, Add	*19.80*	
		For >75 To 100, Deduct	*-9.90*	
		For >100 To 200, Deduct	*-20.89*	
		For >200, Deduct	*-30.80*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	266.48	
		For Up To 10, Add	*62.02*	
		For >10 To 20, Add	*33.19*	
		For >20 To 40, Add	*17.69*	
		For >75 To 100, Deduct	*-8.84*	
		For >100 To 200, Deduct	*-18.78*	
		For >200, Deduct	*-27.62*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	270.38	
		For Up To 10, Add	*62.80*	
		For >10 To 20, Add	*33.58*	
		For >20 To 40, Add	*17.88*	
		For >75 To 100, Deduct	*-8.94*	
		For >100 To 200, Deduct	*-18.97*	
		For >200, Deduct	*-27.92*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	306.38	
		For Up To 10, Add	*70.00*	
		For >10 To 20, Add	*37.18*	
		For >20 To 40, Add	*19.68*	
		For >75 To 100, Deduct	*-9.84*	
		For >100 To 200, Deduct	*-20.77*	
		For >200, Deduct	*-30.62*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	312.38	
		For Up To 10, Add	*71.20*	
		For >10 To 20, Add	*37.78*	
		For >20 To 40, Add	*19.98*	
		For >75 To 100, Deduct	*-9.99*	
		For >100 To 200, Deduct	*-21.07*	
		For >200, Deduct	*-31.07*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	364.88	
		For Up To 10, Add	*81.70*	
		For >10 To 20, Add	*43.03*	
		For >20 To 40, Add	*22.61*	
		For >75 To 100, Deduct	*-11.30*	
		For >100 To 200, Deduct	*-23.70*	
		For >200, Deduct	*-35.00*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	460.51	
		For Up To 10, Add	*100.83*	
		For >10 To 20, Add	*52.60*	
		For >20 To 40, Add	*27.39*	
		For >75 To 100, Deduct	*-13.69*	
		For >100 To 200, Deduct	*-28.48*	
		For >200, Deduct	*-42.18*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	272.99	
		For Up To 10, Add	*63.33*	
		For >10 To 20, Add	*33.85*	
		For >20 To 40, Add	*18.01*	
		For >75 To 100, Deduct	*-9.01*	
		For >100 To 200, Deduct	*-19.10*	
		For >200, Deduct	*-28.11*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	282.38	
		For Up To 10, Add	*65.20*	
		For >10 To 20, Add	*34.78*	
		For >20 To 40, Add	*18.48*	
		For >75 To 100, Deduct	*-9.24*	
		For >100 To 200, Deduct	*-19.57*	
		For >200, Deduct	*-28.82*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	333.38	
		For Up To 10, Add	*75.40*	
		For >10 To 20, Add	*39.88*	
		For >20 To 40, Add	*21.03*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-22.12*	
		For >200, Deduct	*-32.64*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	334.58	
		For Up To 10, Add	*75.64*	
		For >10 To 20, Add	*40.00*	
		For >20 To 40, Add	*21.09*	
		For >75 To 100, Deduct	*-10.55*	
		For >100 To 200, Deduct	*-22.18*	
		For >200, Deduct	*-32.73*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	357.38	
		For Up To 10, Add	*80.20*	
		For >10 To 20, Add	*42.28*	
		For >20 To 40, Add	*22.23*	
		For >75 To 100, Deduct	*-11.12*	
		For >100 To 200, Deduct	*-23.32*	
		For >200, Deduct	*-34.44*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.14	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.72	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.75	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.11	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.17	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.70	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.66	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.78	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.87	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.30	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.62	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.49	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	14.23	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	286.81	
		For Up To 10, Add	*69.13*	
		For >10 To 20, Add	*37.50*	
		For >20 To 40, Add	*20.22*	
		For >75 To 100, Deduct	*-10.11*	
		For >100 To 200, Deduct	*-21.69*	
		For >200, Deduct	*-31.80*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	257.71	
		For Up To 10, Add	*63.31*	
		For >10 To 20, Add	*34.59*	
		For >20 To 40, Add	*18.77*	
		For >75 To 100, Deduct	*-9.38*	
		For >100 To 200, Deduct	*-20.24*	
		For >200, Deduct	*-29.62*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	291.91	
		For Up To 10, Add	*70.15*	
		For >10 To 20, Add	*38.01*	
		For >20 To 40, Add	*20.48*	
		For >75 To 100, Deduct	*-10.24*	
		For >100 To 200, Deduct	*-21.95*	
		For >200, Deduct	*-32.19*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	446.95	
		For Up To 10, Add	*101.15*	
		For >10 To 20, Add	*53.52*	
		For >20 To 40, Add	*28.23*	
		For >75 To 100, Deduct	*-14.11*	
		For >100 To 200, Deduct	*-29.70*	
		For >200, Deduct	*-43.81*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	267.49	
		For Up To 10, Add	*65.26*	
		For >10 To 20, Add	*35.57*	
		For >20 To 40, Add	*19.26*	
		For >75 To 100, Deduct	*-9.63*	
		For >100 To 200, Deduct	*-20.73*	
		For >200, Deduct	*-30.36*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	307.81	
		For Up To 10, Add	*73.33*	
		For >10 To 20, Add	*39.60*	
		For >20 To 40, Add	*21.27*	
		For >75 To 100, Deduct	*-10.64*	
		For >100 To 200, Deduct	*-22.74*	
		For >200, Deduct	*-33.38*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	320.77	
		For Up To 10, Add	*76.11*	
		For >10 To 20, Add	*41.04*	
		For >20 To 40, Add	*22.02*	
		For >75 To 100, Deduct	*-11.01*	
		For >100 To 200, Deduct	*-23.51*	
		For >200, Deduct	*-34.52*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	414.88	
		For Up To 10, Add	*94.93*	
		For >10 To 20, Add	*50.46*	
		For >20 To 40, Add	*26.72*	
		For >75 To 100, Deduct	*-13.36*	
		For >100 To 200, Deduct	*-28.22*	
		For >200, Deduct	*-41.58*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 4.12
07 52 16 13-0013 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 4.10
For Factory Applied White Reflective Surfacing, Add *1.05*
07 52 16 13-0014 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 5.64
For Factory Applied White Reflective Surfacing, Add *1.05*
07 52 16 13-0015 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 4.29
For Factory Applied White Reflective Surfacing, Add *1.05*
07 52 16 13-0016 SF 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 4.37
For Factory Applied White Reflective Surfacing, Add *1.05*
07 52 16 13-0017 SF 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 5.32
For Factory Applied White Reflective Surfacing, Add *1.05*
07 52 16 13-0018 SF 150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 5.52
07 52 16 13-0019 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied 13.22

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003 SQ 35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened 178.59
For Up To 10, Add *39.63*
For >10 To 20, Add *20.80*
For >20 To 40, Add *10.89*
For >75 To 100, Deduct *-5.44*
For >100 To 200, Deduct *-11.38*
For >200, Deduct *-16.82*
07 52 16 14-0004 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened 137.54
For Up To 10, Add *31.42*
For >10 To 20, Add *16.69*
For >20 To 40, Add *8.84*
For >75 To 100, Deduct *-4.42*
For >100 To 200, Deduct *-9.32*
For >200, Deduct *-13.74*
07 52 16 14-0005 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened 177.95
For Up To 10, Add *39.51*
For >10 To 20, Add *20.73*
For >20 To 40, Add *10.86*
For >75 To 100, Deduct *-5.43*
For >100 To 200, Deduct *-11.35*
For >200, Deduct *-16.77*
07 52 16 14-0006 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened 222.59
For Up To 10, Add *48.43*
For >10 To 20, Add *25.20*
For >20 To 40, Add *13.09*
For >75 To 100, Deduct *-6.54*
For >100 To 200, Deduct *-13.58*
For >200, Deduct *-20.12*
07 52 16 14-0007 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened 279.29
For Up To 10, Add *59.77*
For >10 To 20, Add *30.87*
For >20 To 40, Add *15.92*
For >75 To 100, Deduct *-7.96*
For >100 To 200, Deduct *-16.41*
For >200, Deduct *-24.37*

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened 3.54
07 52 16 14-0010 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened 3.62

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*
Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0002		Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*		
07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	143.41	
		For Up To 10, Add	*33.39*	
		For >10 To 20, Add	*17.87*	
		For >20 To 40, Add	*9.52*	
		For >75 To 100, Deduct	*-4.76*	
		For >100 To 200, Deduct	*-10.11*	
		For >200, Deduct	*-14.87*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	151.92	
		For Up To 10, Add	*35.09*	
		For >10 To 20, Add	*18.72*	
		For >20 To 40, Add	*9.95*	
		For >75 To 100, Deduct	*-4.97*	
		For >100 To 200, Deduct	*-10.54*	
		For >200, Deduct	*-15.51*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	255.92	
		For Up To 10, Add	*56.24*	
		For >10 To 20, Add	*29.39*	
		For >20 To 40, Add	*15.33*	
		For >75 To 100, Deduct	*-7.66*	
		For >100 To 200, Deduct	*-15.96*	
		For >200, Deduct	*-23.62*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	305.78	
		For Up To 10, Add	*66.21*	
		For >10 To 20, Add	*34.37*	
		For >20 To 40, Add	*17.82*	
		For >75 To 100, Deduct	*-8.91*	
		For >100 To 200, Deduct	*-18.45*	
		For >200, Deduct	*-27.36*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	452.78	
		For Up To 10, Add	*95.61*	
		For >10 To 20, Add	*49.07*	
		For >20 To 40, Add	*25.17*	
		For >75 To 100, Deduct	*-12.58*	
		For >100 To 200, Deduct	*-25.80*	
		For >200, Deduct	*-38.38*	
		For Factory Applied White Reflective Surfacing, Add	*105.13*	
07 52 16 15-0008		Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*		
07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.08	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.56	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.03	
		For Factory Applied White Reflective Surfacing, Add	*1.05*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0001		Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)* Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	624.93	94.10
		For Up To 10, Add	*162.63*	
		For >10 To 20, Add	*90.72*	
		For >20 To 40, Add	*50.07*	
		For >75 To 100, Deduct	*-25.03*	
		For >100 To 200, Deduct	*-54.77*	
		For >200, Deduct	*-79.80*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	479.76	47.05
		For Up To 10, Add	*114.77*	
		For >10 To 20, Add	*62.09*	
		For >20 To 40, Add	*33.40*	
		For >75 To 100, Deduct	*-16.70*	
		For >100 To 200, Deduct	*-35.75*	
		For >200, Deduct	*-52.45*	
		For 15 Year Warranty, Add	*3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	511.02	70.57
		For Up To 10, Add	*130.43*	
		For >10 To 20, Add	*72.27*	
		For >20 To 40, Add	*39.67*	
		For >75 To 100, Deduct	*-19.83*	
		For >100 To 200, Deduct	*-43.19*	
		For >200, Deduct	*-63.03*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*35.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*36.57*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	326.59	47.05
		For Up To 10, Add	*84.14*	
		For >10 To 20, Add	*46.77*	
		For >20 To 40, Add	*25.74*	
		For >75 To 100, Deduct	*-12.87*	
		For >100 To 200, Deduct	*-28.09*	
		For >200, Deduct	*-40.96*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	425.35	49.99
		For Up To 10, Add	*105.07*	
		For >10 To 20, Add	*57.53*	
		For >20 To 40, Add	*31.27*	
		For >75 To 100, Deduct	*-15.63*	
		For >100 To 200, Deduct	*-33.77*	
		For >200, Deduct	*-49.40*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	577.42	52.93
		For Up To 10, Add	*136.66*	
		For >10 To 20, Add	*73.62*	
		For >20 To 40, Add	*39.46*	
		For >75 To 100, Deduct	*-19.73*	
		For >100 To 200, Deduct	*-42.10*	
		For >200, Deduct	*-61.83*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	393.47	70.57
		For Up To 10, Add	*106.92*	
		For >10 To 20, Add	*60.52*	
		For >20 To 40, Add	*33.79*	
		For >75 To 100, Deduct	*-16.89*	
		For >100 To 200, Deduct	*-37.32*	
		For >200, Deduct	*-54.21*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Low VOC Adhesive, Add	*22.05*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Integral Polyester Fleece-Backing, Add	*107.95*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	492.23	73.51
		For Up To 10, Add	*127.85*	
		For >10 To 20, Add	*71.28*	
		For >20 To 40, Add	*39.31*	
		For >75 To 100, Deduct	*-19.66*	
		For >100 To 200, Deduct	*-42.99*	
		For >200, Deduct	*-62.65*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Low VOC Adhesive, Add	*22.05*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Integral Polyester Fleece-Backing, Add	*120.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	644.29	76.45
		For Up To 10, Add	*159.44*	
		For >10 To 20, Add	*87.37*	
		For >20 To 40, Add	*47.51*	
		For >75 To 100, Deduct	*-23.75*	
		For >100 To 200, Deduct	*-51.33*	
		For >200, Deduct	*-75.08*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Low VOC Adhesive, Add	*22.05*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Integral Polyester Fleece-Backing, Add	*133.85*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	518.68	94.10
		For Up To 10, Add	*141.38*	
		For >10 To 20, Add	*80.10*	
		For >20 To 40, Add	*44.75*	
		For >75 To 100, Deduct	*-22.38*	
		For >100 To 200, Deduct	*-49.46*	
		For >200, Deduct	*-71.84*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
		For Low VOC Adhesive, Add	*55.11*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Integral Polyester Fleece-Backing, Add	*107.95*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	617.45	97.04
		For Up To 10, Add	*162.31*	
		For >10 To 20, Add	*90.86*	
		For >20 To 40, Add	*50.28*	
		For >75 To 100, Deduct	*-25.14*	
		For >100 To 200, Deduct	*-55.13*	
		For >200, Deduct	*-80.27*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
		For Low VOC Adhesive, Add	*55.11*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Integral Polyester Fleece-Backing, Add	*120.34*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	769.51	99.98
		For Up To 10, Add	*193.89*	
		For >10 To 20, Add	*106.95*	
		For >20 To 40, Add	*58.47*	
		For >75 To 100, Deduct	*-29.24*	
		For >100 To 200, Deduct	*-63.47*	
		For >200, Deduct	*-92.71*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Low VOC Adhesive, Add	*55.11*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Integral Polyester Fleece-Backing, Add	*133.85*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	357.61	70.57
		For Up To 10, Add	*99.75*	
		For >10 To 20, Add	*56.93*	
		For >20 To 40, Add	*32.00*	
		For >75 To 100, Deduct	*-16.00*	
		For >100 To 200, Deduct	*-35.52*	
		For >200, Deduct	*-51.52*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Mechanically Fastened To Concrete Decks, Add	*35.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*36.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	456.37	73.51
		For Up To 10, Add	*120.68*	
		For >10 To 20, Add	*67.69*	
		For >20 To 40, Add	*37.52*	
		For >75 To 100, Deduct	*-18.76*	
		For >100 To 200, Deduct	*-41.20*	
		For >200, Deduct	*-59.96*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*32.63*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Mechanically Fastened To Concrete Decks, Add	*36.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.04*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	608.43	76.45
		For Up To 10, Add	*152.27*	
		For >10 To 20, Add	*83.78*	
		For >20 To 40, Add	*45.71*	
		For >75 To 100, Deduct	*-22.86*	
		For >100 To 200, Deduct	*-49.54*	
		For >200, Deduct	*-72.39*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.45*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*80.60*	
		For Mechanically Fastened To Concrete Decks, Add	*38.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.51*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	72.94	
		For Up To 10, Add	*19.29*	
		For >10 To 20, Add	*10.82*	
		For >20 To 40, Add	*6.00*	
		For >75 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-6.59*	
		For >200, Deduct	*-9.59*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	75.41	
		For Up To 10, Add	*19.79*	
		For >10 To 20, Add	*11.07*	
		For >20 To 40, Add	*6.12*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.71*	
		For >200, Deduct	*-9.77*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	46.35	11.17
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	65.85	11.17
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	122.13	11.17
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	161.71	12.35
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	35.85	6.82
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	6.85	1.76
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	8.61	2.65

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	526.83	52.93
		For Up To 10, Add	*126.54*	
		For >10 To 20, Add	*68.56*	
		For >20 To 40, Add	*36.93*	
		For >75 To 100, Deduct	*-18.46*	
		For >100 To 200, Deduct	*-39.58*	
		For >200, Deduct	*-58.04*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	590.13	76.45
		For Up To 10, Add	*148.61*	
		For >10 To 20, Add	*81.95*	
		For >20 To 40, Add	*44.80*	
		For >75 To 100, Deduct	*-22.40*	
		For >100 To 200, Deduct	*-48.62*	
		For >200, Deduct	*-71.02*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	709.98	99.98
		For Up To 10, Add	*181.99*	
		For >10 To 20, Add	*100.99*	
		For >20 To 40, Add	*55.50*	
		For >75 To 100, Deduct	*-27.75*	
		For >100 To 200, Deduct	*-60.49*	
		For >200, Deduct	*-88.24*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	205.60	47.05
		For Up To 10, Add	*59.94*	
		For >10 To 20, Add	*34.68*	
		For >20 To 40, Add	*19.69*	
		For >75 To 100, Deduct	*-9.85*	
		For >100 To 200, Deduct	*-22.04*	
		For >200, Deduct	*-31.89*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	225.67	49.99
		For Up To 10, Add	*65.13*	
		For >10 To 20, Add	*37.56*	
		For >20 To 40, Add	*21.28*	
		For >75 To 100, Deduct	*-10.64*	
		For >100 To 200, Deduct	*-23.78*	
		For >200, Deduct	*-34.42*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	246.74	51.46
		For Up To 10, Add	*69.93*	
		For >10 To 20, Add	*40.11*	
		For >20 To 40, Add	*22.63*	
		For >75 To 100, Deduct	*-11.31*	
		For >100 To 200, Deduct	*-25.20*	
		For >200, Deduct	*-36.52*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	257.58	52.93
		For Up To 10, Add	*72.69*	
		For >10 To 20, Add	*41.64*	
		For >20 To 40, Add	*23.47*	
		For >75 To 100, Deduct	*-11.73*	
		For >100 To 200, Deduct	*-26.11*	
		For >200, Deduct	*-37.85*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	428.18	94.10
		For Up To 10, Add	*123.28*	
		For >10 To 20, Add	*71.05*	
		For >20 To 40, Add	*40.23*	
		For >75 To 100, Deduct	*-20.11*	
		For >100 To 200, Deduct	*-44.93*	
		For >200, Deduct	*-65.05*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*87.43*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	448.25	97.04
		For Up To 10, Add	*128.47*	
		For >10 To 20, Add	*73.94*	
		For >20 To 40, Add	*41.82*	
		For >75 To 100, Deduct	*-20.91*	
		For >100 To 200, Deduct	*-46.67*	
		For >200, Deduct	*-67.58*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*87.43*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	469.31	98.51
		For Up To 10, Add	*133.26*	
		For >10 To 20, Add	*76.48*	
		For >20 To 40, Add	*43.17*	
		For >75 To 100, Deduct	*-21.58*	
		For >100 To 200, Deduct	*-48.09*	
		For >200, Deduct	*-69.68*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*87.43*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	480.14	99.98
		For Up To 10, Add	*136.02*	
		For >10 To 20, Add	*78.01*	
		For >20 To 40, Add	*44.00*	
		For >75 To 100, Deduct	*-22.00*	
		For >100 To 200, Deduct	*-49.00*	
		For >200, Deduct	*-71.00*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*87.43*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	228.62	70.57
		For Up To 10, Add	*73.95*	
		For >10 To 20, Add	*44.03*	
		For >20 To 40, Add	*25.55*	
		For >75 To 100, Deduct	*-12.77*	
		For >100 To 200, Deduct	*-29.07*	
		For >200, Deduct	*-41.85*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
		For Mechanically Fastened To Concrete Decks, Add	*35.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*36.57*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	248.69	73.51
		For Up To 10, Add	*79.14*	
		For >10 To 20, Add	*46.92*	
		For >20 To 40, Add	*27.14*	
		For >75 To 100, Deduct	*-13.57*	
		For >100 To 200, Deduct	*-30.81*	
		For >200, Deduct	*-44.38*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
		For Mechanically Fastened To Concrete Decks, Add	*36.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	269.76	74.98
		For Up To 10, Add	*83.95*	
		For >10 To 20, Add	*49.47*	
		For >20 To 40, Add	*28.49*	
		For >75 To 100, Deduct	*-14.24*	
		For >100 To 200, Deduct	*-32.23*	
		For >200, Deduct	*-46.48*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
		For Mechanically Fastened To Concrete Decks, Add	*37.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.77*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	280.58	76.45
		For Up To 10, Add	*86.70*	
		For >10 To 20, Add	*50.99*	
		For >20 To 40, Add	*29.32*	
		For >75 To 100, Deduct	*-14.66*	
		For >100 To 200, Deduct	*-33.14*	
		For >200, Deduct	*-47.80*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*27.13*	
		For Mechanically Fastened To Concrete Decks, Add	*38.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.51*	
07 54 19 00-0014		Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*		
07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	72.94	
		For Up To 10, Add	*19.29*	
		For >10 To 20, Add	*10.82*	
		For >20 To 40, Add	*6.00*	
		For >75 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-6.59*	
		For >200, Deduct	*-9.59*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	75.41	
		For Up To 10, Add	*19.79*	
		For >10 To 20, Add	*11.07*	
		For >20 To 40, Add	*6.12*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.71*	
		For >200, Deduct	*-9.77*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	75.93	10.00
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	106.31	11.17
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	135.78	12.35
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	172.40	12.35
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	30.81	6.82
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	8.12	1.76
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	9.88	2.65
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	10.92	1.76
07 54 19 00-0025		Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19)*		
07 54 19 00-0026		Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)* Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0027	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered Note: Includes adhesive.	457.78	94.10
		For Up To 10, Add	*129.20*	
		For >10 To 20, Add	*74.01*	
		For >20 To 40, Add	*41.71*	
		For >75 To 100, Deduct	*-20.85*	
		For >100 To 200, Deduct	*-46.41*	
		For >200, Deduct	*-67.27*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0028	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	490.20	97.04
		Note: Includes adhesive.		
		For Up To 10, Add	*136.86*	
		For >10 To 20, Add	*78.13*	
		For >20 To 40, Add	*43.92*	
		For >75 To 100, Deduct	*-21.96*	
		For >100 To 200, Deduct	*-48.77*	
		For >200, Deduct	*-70.73*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
07 54 19 00-0029	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	521.33	98.51
		Note: Includes adhesive.		
		For Up To 10, Add	*143.67*	
		For >10 To 20, Add	*81.68*	
		For >20 To 40, Add	*45.77*	
		For >75 To 100, Deduct	*-22.88*	
		For >100 To 200, Deduct	*-50.69*	
		For >200, Deduct	*-73.58*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
07 54 19 00-0030	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	554.13	99.98
		Note: Includes adhesive.		
		For Up To 10, Add	*150.82*	
		For >10 To 20, Add	*85.41*	
		For >20 To 40, Add	*47.70*	
		For >75 To 100, Deduct	*-23.85*	
		For >100 To 200, Deduct	*-52.70*	
		For >200, Deduct	*-76.55*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
07 54 19 00-0031	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	368.37	70.57
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*101.90*	
		For >10 To 20, Add	*58.01*	
		For >20 To 40, Add	*32.53*	
		For >75 To 100, Deduct	*-16.27*	
		For >100 To 200, Deduct	*-36.06*	
		For >200, Deduct	*-52.33*	
		For Mechanically Fastened To Concrete Decks, Add	*35.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*36.57*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
		For Mechanically Fastened With Sarnabar, Add	*30.20*	
07 54 19 00-0032	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	400.79	73.51
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*109.56*	
		For >10 To 20, Add	*62.13*	
		For >20 To 40, Add	*34.74*	
		For >75 To 100, Deduct	*-17.37*	
		For >100 To 200, Deduct	*-38.42*	
		For >200, Deduct	*-55.79*	
		For Mechanically Fastened To Concrete Decks, Add	*36.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.04*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
		For Mechanically Fastened With Sarnabar, Add	*30.20*	
07 54 19 00-0033	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	431.93	74.98
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*116.38*	
		For >10 To 20, Add	*65.69*	
		For >20 To 40, Add	*36.59*	
		For >75 To 100, Deduct	*-18.30*	
		For >100 To 200, Deduct	*-40.34*	
		For >200, Deduct	*-58.64*	
		For Mechanically Fastened To Concrete Decks, Add	*37.49*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.77*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
		For Mechanically Fastened With Sarnabar, Add	*30.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0034	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	464.73	76.45
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*123.53*	
		For >10 To 20, Add	*69.41*	
		For >20 To 40, Add	*38.53*	
		For >75 To 100, Deduct	*-19.26*	
		For >100 To 200, Deduct	*-42.35*	
		For >200, Deduct	*-61.61*	
		For Mechanically Fastened To Concrete Decks, Add	*38.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.51*	
		For 15 Year Warranty, Add	*2.94*	
		For 20 Year Warranty, Add	*10.29*	
		For 25 Year Warranty, Add	*19.10*	
		For Integral Felt Backing, Add	*51.42*	
		For Mechanically Fastened With Sarnabar, Add	*30.20*	
07 54 19 00-0035		Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*		
07 54 19 00-0036	LF	3/4" Wide Multi-Purpose Tape (Sika Sarnafil®)	1.08	
07 54 19 00-0037	LF	Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop)	5.08	1.69
		Note: Includes fasteners and caulking.		
07 54 19 00-0038	EA	4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles)	5.14	1.47
07 54 19 00-0039	LF	8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	5.59	1.47
		Note: Includes aluminum tape.		
07 54 19 00-0040	LF	12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	5.59	1.47
		Note: Includes aluminum tape.		
07 54 19 00-0041	LF	Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet)	7.43	1.87
		Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0042	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459)	7.72	1.76
07 54 19 00-0043	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane)	9.47	2.65
07 54 19 00-0044	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad)	10.87	1.76
		Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
		For Colored PVC, Add	*1.06*	
07 54 19 00-0045	LF	39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V)	29.98	6.82
07 54 19 00-0046	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	77.37	10.00
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0047	EA	>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	79.73	11.17
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0048	EA	>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	82.08	12.35
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0049	EA	6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®)	1,127.92	211.47
07 54 19 00-0050	EA	Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside)	23.17	
07 54 19 00-0051	EA	Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside)	23.17	
07 54 19 00-0052	SQ	9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid	53.43	
07 54 19 00-0053	SQ	11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid	82.36	
07 54 19 00-0054	SQ	10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid	46.88	
07 54 19 00-0055	SQ	32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering	129.99	
07 54 19 00-0056		Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) *(07 54 19 00-0025)*		
07 54 19 00-0057		Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)*		
07 54 19 00-0058		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)*		
07 54 19 00-0059		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0058)*		
07 54 19 00-0060	LF	8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	18.85	3.36
07 54 19 00-0061		Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0058)*		
07 54 19 00-0062	EA	Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	114.06	12.44
07 54 19 00-0063	EA	Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	114.06	12.44
07 54 19 00-0064	EA	Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	138.32	12.44
07 54 19 00-0065	EA	Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	51.74	3.36
07 54 19 00-0066		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0067		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0066)*		
07 54 19 00-0068	LF	8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	21.65	3.36
07 54 19 00-0069		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0066)*		
07 54 19 00-0070	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	119.66	12.44
07 54 19 00-0071	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	119.66	12.44
07 54 19 00-0072	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	149.52	12.44
07 54 19 00-0073	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	57.36	3.36
07 54 19 00-0074		Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)*		
07 54 19 00-0075		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0074)*		
07 54 19 00-0076		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)*		
07 54 19 00-0077	LF	8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	19.50	3.36
07 54 19 00-0078		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)*		
07 54 19 00-0079	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	115.36	12.44
07 54 19 00-0080	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	115.36	12.44
07 54 19 00-0081	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	140.91	12.44
07 54 19 00-0082	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	53.04	3.36
07 54 23		**Thermoplastic-Polyolefin Roofing** *(07 54)*		
07 54 23 00-0001		Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)* Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	471.38	94.10
		For Up To 10, Add	*131.92*	
		For >10 To 20, Add	*75.37*	
		For >20 To 40, Add	*42.39*	
		For >75 To 100, Deduct	*-21.19*	
		For >100 To 200, Deduct	*-47.09*	
		For >200, Deduct	*-68.29*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*55.11*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	493.39	95.57
		For Up To 10, Add	*136.91*	
		For >10 To 20, Add	*78.01*	
		For >20 To 40, Add	*43.78*	
		For >75 To 100, Deduct	*-21.89*	
		For >100 To 200, Deduct	*-48.56*	
		For >200, Deduct	*-70.45*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*55.11*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	504.82	97.04
		For Up To 10, Add	*139.78*	
		For >10 To 20, Add	*79.59*	
		For >20 To 40, Add	*44.65*	
		For >75 To 100, Deduct	*-22.32*	
		For >100 To 200, Deduct	*-49.50*	
		For >200, Deduct	*-71.83*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*55.11*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0005	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	652.34	99.98
		Note: Includes adhesive.		
		For Up To 10, Add	*170.46*	
		For >10 To 20, Add	*95.23*	
		For >20 To 40, Add	*52.61*	
		For >75 To 100, Deduct	*-26.31*	
		For >100 To 200, Deduct	*-57.61*	
		For >200, Deduct	*-83.92*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*55.11*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	313.15	70.57
		Note: Includes fasteners.		
		For Up To 10, Add	*90.86*	
		For >10 To 20, Add	*52.49*	
		For >20 To 40, Add	*29.77*	
		For >75 To 100, Deduct	*-14.89*	
		For >100 To 200, Deduct	*-33.30*	
		For >200, Deduct	*-48.19*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*35.29*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*36.57*	
07 54 23 00-0007	SQ	50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	335.17	72.04
		Note: Includes fasteners.		
		For Up To 10, Add	*95.85*	
		For >10 To 20, Add	*55.13*	
		For >20 To 40, Add	*31.17*	
		For >75 To 100, Deduct	*-15.58*	
		For >100 To 200, Deduct	*-34.77*	
		For >200, Deduct	*-50.35*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*36.02*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.30*	
07 54 23 00-0008	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	346.60	73.51
		Note: Includes fasteners.		
		For Up To 10, Add	*98.73*	
		For >10 To 20, Add	*56.71*	
		For >20 To 40, Add	*32.03*	
		For >75 To 100, Deduct	*-16.02*	
		For >100 To 200, Deduct	*-35.71*	
		For >200, Deduct	*-51.73*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*36.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.04*	
07 54 23 00-0009	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	494.12	76.45
		Note: Includes fasteners.		
		For Up To 10, Add	*129.41*	
		For >10 To 20, Add	*72.35*	
		For >20 To 40, Add	*40.00*	
		For >75 To 100, Deduct	*-20.00*	
		For >100 To 200, Deduct	*-43.82*	
		For >200, Deduct	*-63.82*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*38.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.51*	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	86.52	
		For Up To 10, Add	*22.01*	
		For >10 To 20, Add	*12.18*	
		For >20 To 40, Add	*6.68*	
		For >75 To 100, Deduct	*-3.34*	
		For >100 To 200, Deduct	*-7.27*	
		For >200, Deduct	*-10.61*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat	75.41	
		Note: 55% solids by volume.		
		For Up To 10, Add	*19.79*	
		For >10 To 20, Add	*11.07*	
		For >20 To 40, Add	*6.12*	
		For >75 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-6.71*	
		For >200, Deduct	*-9.77*	
		For Tan Or Gray Color, Add	*2.59*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	65.55	10.00
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	70.80	11.17
07 54 23 00-0015	EA	6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	129.17	12.35
07 54 23 00-0016	LF	30" Wide, TPO Walkway Protection Pad	30.44	6.82
07 54 23 00-0017	SF	Thermoplastic Polyolefin Membrane Base Flashing	8.48	1.76
07 54 23 00-0018	SF	Thermoplastic Polyolefin Curb Flashing	7.42	1.76
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0019	SF	Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	12.35	1.76

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,101.22	156.90
		For Each Additional Coat, Add	*165.18*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,294.66	165.35
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,448.74	184.66

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	455.88	94.74
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	547.71	94.74
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	616.77	94.74

07 56 00 00-0010 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On *(07 56)*

Note: As manufactured by Tru-Co, Inc.

07 56 00 00-0011 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies *(07 56 00 00-0010)*

07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,018.26
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,045.05
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	416.96
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,340.01
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	740.66
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home	490.55
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs	573.47
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,101.17
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	3.93
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	5.58

07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies *(07 56)*

Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	11.65
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	11.14
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	10.63
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.00

07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*

07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,820.19	94.74

07 56 00 00-0029 Urethane Liquid Roofing Membrane *(07 56)*

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	98.28	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	5.56	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	374.75	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	97.02	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	922.88	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,394.29	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	954.73	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	247.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*

07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	382.42	58.06
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	458.18	62.20
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	533.94	66.35
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	617.18	70.50
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	700.43	74.64
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	768.69	78.79
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	836.93	82.93
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	912.70	87.09
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	988.45	91.23
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,064.20	95.38
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,139.95	99.52

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	394.09	58.06
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	469.85	62.20
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	545.60	66.35
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	621.34	70.50
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	697.10	74.64
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	772.85	78.79
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	848.60	82.93
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	924.36	87.09
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,000.11	91.23
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,075.86	95.38
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,151.61	99.52

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	422.41	58.06
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	495.67	62.20
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	568.92	66.35
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	644.67	70.50
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	720.43	74.64
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	827.34	78.79

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	934.23	82.93
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,016.33	87.09
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,098.41	91.23
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,180.49	95.38
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,262.58	99.52

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	430.74	58.06
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	512.83	62.20
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	594.92	66.35
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	676.99	70.50
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	759.08	74.64
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	841.16	78.79
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	923.24	82.93
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,005.33	87.09
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,087.41	91.23
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,169.50	95.38
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,251.58	99.52

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	447.23	58.06
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	529.33	62.20
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	611.41	66.35
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	693.48	70.50
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	775.58	74.64
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	857.66	78.79
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	939.73	82.93
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,021.82	87.09
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,103.91	91.23
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,185.99	95.38
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,268.07	99.52

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	460.06	58.06
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	542.16	62.20
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	624.24	66.35
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	706.31	70.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	788.40	74.64
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	870.49	78.79
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	952.56	82.93
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,034.65	87.09
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,116.74	91.23
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,198.82	95.38
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,280.90	99.52

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing	260.31	37.32

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.24	1.69

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	36.66	3.40
		For Steep Roof, Over 6 To 12, Add	*2.04*	
		For 140 MPH Wind Load, Add	*1.28*	
		For Up To 1,500, Add	*9.17*	
		For Panels < 16" Wide, Add	*3.09*	
		For Up To 5000, Add	*3.67*	
		For > 5000 To 10000, Add	*0.92*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	40.15	3.69
		For Steep Roof, Over 6 To 12, Add	*2.21*	
		For Panels <16" Wide, Add	*3.37*	
		For 140 MPH Wind Load, Add	*1.39*	
		For Up To 1,500, Add	*10.04*	
		For >1,500 To 5,000, Add	*6.02*	
		For >5,000 To 10,000, Add	*1.00*	
		For Panels < 16" Wide, Add	*3.37*	
		For Up To 5000, Add	*4.02*	
		For > 5000 To 10000, Add	*1.00*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	47.37	4.01
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For 140 MPH Wind Load, Add	*1.59*	
		For Up To 1,500, Add	*11.84*	
		For Panels < 16" Wide, Add	*3.85*	
		For Up To 5000, Add	*4.74*	
		For > 5000 To 10000, Add	*1.18*	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	42.91	3.69
		For Steep Roof, Over 6 To 12, Add	*2.21*	
		For Panels <16" Wide, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.45*	
		For Up To 1,500, Add	*10.73*	
		For >1,500 To 5,000, Add	*6.44*	
		For >5,000 To 10,000, Add	*1.07*	
		For Tin/Copper, Deduct	*-0.71*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	52.12	3.84
		For Steep Roof, Over 6 To 12, Add	*2.30*	
		For Panels <16" Wide, Add	*4.03*	
		For 140 MPH Wind Load, Add	*1.66*	
		For Up To 1,500, Add	*13.03*	
		For >1,500 To 5,000, Add	*7.82*	
		For >5,000 To 10,000, Add	*1.30*	
		For Tin/Copper, Deduct	*-0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	59.32	4.01
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For Panels <16" Wide, Add	*4.45*	
		For 140 MPH Wind Load, Add	*1.83*	
		For Up To 1,500, Add	*14.83*	
		For >1,500 To 5,000, Add	*8.90*	
		For >5,000 To 10,000, Add	*1.48*	
		For Tin/Copper, Deduct	*-1.03*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	74.56	4.21
		For Steep Roof, Over 6 To 12, Add	*2.52*	
		For Panels <16" Wide, Add	*5.28*	
		For 140 MPH Wind Load, Add	*2.16*	
		For Up To 1,500, Add	*18.64*	
		For >1,500 To 5,000, Add	*11.18*	
		For >5,000 To 10,000, Add	*1.86*	
		For Tin/Copper, Deduct	*-1.32*	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	155.13	7.02
		For Steep Roof, Over 6 To 12, Add	*5.27*	
		For 140 MPH Wind Load, Add	*4.51*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	88.50	7.02
		For Steep Roof, Over 6 To 12, Add	*5.27*	
		For 140 MPH Wind Load, Add	*3.17*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	218.12	7.02
		For Steep Roof, Over 6 To 12, Add	*5.27*	
		For 140 MPH Wind Load, Add	*5.77*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	160.11	7.02
		For Steep Roof, Over 6 To 12, Add	*5.27*	
		For 140 MPH Wind Load, Add	*4.61*	

07 61 16 Batten Seam Sheet Metal Roofing *(07 61)*

07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*

07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	45.19	4.01
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For Panels <16" Wide, Add	*3.75*	
		For 140 MPH Wind Load, Add	*1.55*	
		For Up To 1,500, Add	*11.30*	
		For >1,500 To 5,000, Add	*6.78*	
		For >5,000 To 10,000, Add	*1.13*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	49.96	4.22
		For Steep Roof, Over 6 To 12, Add	*2.53*	
		For Panels <16" Wide, Add	*4.06*	
		For 140 MPH Wind Load, Add	*1.67*	
		For Up To 1,500, Add	*12.49*	
		For >1,500 To 5,000, Add	*7.49*	
		For >5,000 To 10,000, Add	*1.25*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	58.38	4.42
		For Steep Roof, Over 6 To 12, Add	*2.65*	
		For Panels <16" Wide, Add	*4.55*	
		For 140 MPH Wind Load, Add	*1.87*	
		For Up To 1,500, Add	*14.60*	
		For >1,500 To 5,000, Add	*8.76*	
		For >5,000 To 10,000, Add	*1.46*	

07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	45.97	3.69
		For Steep Roof, Over 6 To 12, Add	*2.21*	
		For Panels <16" Wide, Add	*3.66*	
		For 140 MPH Wind Load, Add	*1.51*	
		For Up To 1,500, Add	*11.49*	
		For >1,500 To 5,000, Add	*6.90*	
		For >5,000 To 10,000, Add	*1.15*	
		For Tin/Copper, Deduct	*-0.77*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	56.50	3.84
		For Steep Roof, Over 6 To 12, Add	*2.31*	
		For Panels <16" Wide, Add	*4.25*	
		For 140 MPH Wind Load, Add	*1.75*	
		For Up To 1,500, Add	*14.13*	
		For >1,500 To 5,000, Add	*8.48*	
		For >5,000 To 10,000, Add	*1.41*	
		For Tin/Copper, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	63.40	4.01
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For Panels <16" Wide, Add	*4.66*	
		For 140 MPH Wind Load, Add	*1.91*	
		For Up To 1,500, Add	*15.85*	
		For >1,500 To 5,000, Add	*9.51*	
		For >5,000 To 10,000, Add	*1.59*	
		For Tin/Copper, Deduct	*-1.11*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	79.81	4.21
		For Steep Roof, Over 6 To 12, Add	*2.52*	
		For Panels <16" Wide, Add	*5.55*	
		For 140 MPH Wind Load, Add	*2.27*	
		For Up To 1,500, Add	*19.95*	
		For >1,500 To 5,000, Add	*11.97*	
		For >5,000 To 10,000, Add	*2.00*	
		For Tin/Copper, Deduct	*-1.43*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	34.75	3.69
		For Steep Roof, Over 6 To 12, Add	*2.21*	
		For Panels <16" Wide, Add	*3.10*	
		For 140 MPH Wind Load, Add	*1.28*	
		For Up To 1,500, Add	*8.69*	
		For >1,500 To 5,000, Add	*5.21*	
		For >5,000 To 10,000, Add	*0.87*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	38.29	3.84
		For Steep Roof, Over 6 To 12, Add	*2.31*	
		For Panels <16" Wide, Add	*3.34*	
		For 140 MPH Wind Load, Add	*1.38*	
		For Up To 1,500, Add	*9.57*	
		For >1,500 To 5,000, Add	*5.74*	
		For >5,000 To 10,000, Add	*0.96*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	44.46	4.01
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For Panels <16" Wide, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.53*	
		For Up To 1,500, Add	*11.12*	
		For >1,500 To 5,000, Add	*6.67*	
		For >5,000 To 10,000, Add	*1.11*	

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	40.15	3.69
		For Steep Roof, Over 6 To 12, Add	*2.21*	
		For Panels <16" Wide, Add	*3.37*	
		For 140 MPH Wind Load, Add	*1.39*	
		For Up To 1,500, Add	*10.04*	
		For >1,500 To 5,000, Add	*6.02*	
		For >5,000 To 10,000, Add	*1.00*	
		For Tin/Copper, Deduct	*-0.66*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	49.22	3.84
		For Steep Roof, Over 6 To 12, Add	*2.31*	
		For Panels <16" Wide, Add	*3.88*	
		For 140 MPH Wind Load, Add	*1.60*	
		For Up To 1,500, Add	*12.31*	
		For >1,500 To 5,000, Add	*7.38*	
		For >5,000 To 10,000, Add	*1.23*	
		For Tin/Copper, Deduct	*-0.83*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	55.39	4.01
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For Panels <16" Wide, Add	*4.26*	
		For 140 MPH Wind Load, Add	*1.75*	
		For Up To 1,500, Add	*13.85*	
		For >1,500 To 5,000, Add	*8.31*	
		For >5,000 To 10,000, Add	*1.38*	
		For Tin/Copper, Deduct	*-0.95*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	69.61	4.21
		For Steep Roof, Over 6 To 12, Add	*2.52*	
		For Panels <16" Wide, Add	*5.04*	
		For 140 MPH Wind Load, Add	*2.07*	
		For Up To 1,500, Add	*17.40*	
		For >1,500 To 5,000, Add	*10.44*	
		For >5,000 To 10,000, Add	*1.74*	
		For Tin/Copper, Deduct	*-1.22*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0002	SF	2.5 LB/SF Sheet Lead Flashing	23.38	5.50
		For Up To 100, Add	*5.85*	
07 62 13 00-0003	SF	4 LB/SF Sheet Lead Flashing	30.69	5.50
		For Up To 100, Add	*7.67*	
07 62 13 00-0004		Copper Flashing And Trim *(07 62 13)*		
07 62 13 00-0005		Copper Flashing And Trim *(07 62 13 00-0004)*		
07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	29.93	5.37
		For Up To 100, Add	*7.48*	
		For >500 To 2,000, Deduct	*-4.10*	
		For >2,000, Deduct	*-5.07*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.13*	
		For Wrap Around Window Panning, Add	*10.63*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	30.89	5.50
		For Up To 100, Add	*7.72*	
		For >500 To 2,000, Deduct	*-4.24*	
		For >2,000, Deduct	*-5.23*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.22*	
		For Wrap Around Window Panning, Add	*11.11*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	35.38	5.87
		For Up To 100, Add	*8.85*	
		For >500 To 2,000, Deduct	*-4.63*	
		For >2,000, Deduct	*-6.02*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.33*	
		For Wrap Around Window Panning, Add	*11.64*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	43.87	6.11
		For Up To 100, Add	*10.97*	
		For >500 To 2,000, Deduct	*-5.95*	
		For >2,000, Deduct	*-7.53*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.44*	
		For Wrap Around Window Panning, Add	*12.22*	
07 62 13 00-0010		Stainless Steel Flashing And Trim *(07 62 13)*		
07 62 13 00-0011		Stainless Steel Flashing And Trim *(07 62 13 00-0010)*		
07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	10.27	2.93
		For Up To 100, Add	*2.57*	
		For Wrap Around Window Panning, Add	*7.54*	
		For Mechanically Keyed Flashing, Add	*1.09*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	11.08	3.30
		For Up To 100, Add	*2.77*	
		For Wrap Around Window Panning, Add	*7.67*	
		For Mechanically Keyed Flashing, Add	*1.36*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	11.87	3.66
		For Up To 100, Add	*2.97*	
		For Wrap Around Window Panning, Add	*7.79*	
		For Mechanically Keyed Flashing, Add	*1.63*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	13.15	4.04
		For Up To 100, Add	*3.29*	
		For Wrap Around Window Panning, Add	*8.04*	
		For Mechanically Keyed Flashing, Add	*2.04*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	15.29	4.28
		For Up To 100, Add	*3.82*	
		For Wrap Around Window Panning, Add	*8.49*	
		For Mechanically Keyed Flashing, Add	*2.72*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	16.66	4.49
		For Up To 100, Add	*4.17*	
		For Wrap Around Window Panning, Add	*8.98*	
		For Mechanically Keyed Flashing, Add	*3.07*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	17.83	4.76
		For Up To 100, Add	*4.46*	
		For Wrap Around Window Panning, Add	*9.51*	
		For Mechanically Keyed Flashing, Add	*3.33*	
07 62 13 00-0019		Aluminum Flashing And Trim *(07 62 13)*		
07 62 13 00-0020		Aluminum Flashing And Trim *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	12.54	3.78
		For Up To 100, Add	*3.14*	
		For Baked Aluminum Colors, Add	*0.41*	
		For Wrap Around Window Panning, Add	*8.42*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	13.44	3.78
		For Up To 100, Add	*3.36*	
		For Baked Aluminum Colors, Add	*0.50*	
		For Wrap Around Window Panning, Add	*8.42*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	14.15	3.78
		For Up To 100, Add	*3.54*	
		For Baked Aluminum Colors, Add	*0.57*	
		For Wrap Around Window Panning, Add	*8.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	15.19	3.78
		For Up To 100, Add	*3.80*	
		For Baked Aluminum Colors, Add	*0.68*	
		For Wrap Around Window Panning, Add	*8.42*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	16.63	3.78
		For Up To 100, Add	*4.16*	
		For Baked Aluminum Colors, Add	*0.82*	
		For Wrap Around Window Panning, Add	*8.42*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	17.51	3.78
		For Up To 100, Add	*4.38*	
		For Baked Aluminum Colors, Add	*0.91*	
		For Wrap Around Window Panning, Add	*8.42*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	18.23	3.78
		For Up To 100, Add	*4.56*	
		For Baked Aluminum Colors, Add	*0.98*	
		For Wrap Around Window Panning, Add	*8.42*	
07 62 13 00-0028		Steel Flashing And Trim *(07 62 13)*		
07 62 13 00-0029		Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	12.27	3.66
		For Up To 100, Add	*3.07*	
		For Wrap Around Window Panning, Add	*7.79*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	12.76	4.04
		For Up To 100, Add	*3.19*	
		For Wrap Around Window Panning, Add	*8.04*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	13.59	4.28
		For Up To 100, Add	*3.40*	
		For Wrap Around Window Panning, Add	*8.49*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	14.45	4.49
		For Up To 100, Add	*3.61*	
		For Wrap Around Window Panning, Add	*8.98*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	15.63	4.76
		For Up To 100, Add	*3.91*	
		For Wrap Around Window Panning, Add	*9.51*	
07 62 19		**Fabricated Gravel Stops and Fasciae** *(07 62)*		
07 62 19 00-0001		Drip Edge *(07 62 19)*		
07 62 19 00-0002		Aluminum Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.16	1.87
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.38	1.99
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.49	2.24
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.22	2.36
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.35	2.49
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.07	1.87
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.39	1.99
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.01	2.24
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.04	2.36
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.06	2.49
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.98	1.87
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.60	1.99
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.47	2.24
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.85	2.36
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.48	2.49
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.80	1.87
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.02	1.99
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.34	2.24
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.48	2.36
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.33	2.49
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.40	1.87
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.93	1.99
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.30	2.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.69	2.36
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	38.94	2.49
07 62 19 00-0034		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.52	1.87
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.65	1.99
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.63	2.24
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.93	2.36
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	44.59	2.49
07 62 19 00-0040		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.55	1.87
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.68	1.99
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.42	2.24
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.98	2.36
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	52.66	2.49
07 62 19 00-0046		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.18	1.87
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.53	1.99
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.17	2.24
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	48.24	2.36
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	62.34	2.49
07 62 19 00-0052		**Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0053		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	10.82	1.87
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	13.19	1.99
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.80	2.24
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	17.52	2.36
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	21.87	2.49
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	11.44	1.87
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	13.88	1.99
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.84	2.24
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	18.78	2.36
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	23.05	2.49
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	12.07	1.87
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	14.72	1.99
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.85	2.24
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	20.03	2.36
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	24.72	2.49
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	13.32	1.87
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	16.39	1.99
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	18.83	2.24
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	22.53	2.36
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	28.06	2.49
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	13.74	1.87
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	17.01	1.99
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	19.49	2.24
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	23.37	2.36
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	29.17	2.49
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	15.20	1.87
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	18.89	1.99
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	21.79	2.24
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	26.29	2.36
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	33.07	2.49
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	17.29	1.87
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	21.67	1.99
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	25.09	2.24
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	30.46	2.36
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	38.63	2.49
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	19.79	1.87
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	25.01	1.99
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	29.06	2.24
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	35.47	2.36
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	45.31	2.49
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	13.62	1.87
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.00	1.99
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.21	2.24
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.13	2.36
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.60	2.49
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.58	1.87
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.06	1.99
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.81	2.24
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.05	2.36
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.42	2.49
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.54	1.87
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.35	1.99
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.36	2.24
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.98	2.36
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.99	2.49
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.47	1.87
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.91	1.99
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.41	2.24
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.83	2.36
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.12	2.49
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.11	1.87
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.88	1.99
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.42	2.24
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.11	2.36
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	40.83	2.49
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.35	1.87
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.76	1.99
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.95	2.24
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.60	2.36
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	46.82	2.49
07 62 19 00-0138		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.56	1.87
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.04	1.99
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.03	2.24
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.01	2.36
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	55.37	2.49
07 62 19 00-0144		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.41	1.87
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.17	1.99
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.12	2.24
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	50.71	2.36
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	65.63	2.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0150		Galvanized Steel Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	12.56	1.87
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	15.43	1.99
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	17.63	2.24
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	21.01	2.36
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	26.03	2.49
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	13.61	1.87
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	16.83	1.99
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	19.28	2.24
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	23.11	2.36
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	28.81	2.49
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	15.69	1.87
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	19.63	1.99
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.59	2.24
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.28	2.36
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	34.38	2.49
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.21	1.87
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.67	1.99
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.99	2.24
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	30.30	2.36
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	38.42	2.49
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	21.47	1.87
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	27.25	1.99
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	31.72	2.24
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	38.83	2.36
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	49.79	2.49
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	26.47	1.87
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	33.91	1.99
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	39.66	2.24
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	48.83	2.36
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	63.12	2.49
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	32.35	1.87
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	41.75	1.99
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	48.96	2.24
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	60.58	2.36
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	78.80	2.49

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001		Pitch Pockets *(07 63)* Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*		
07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	94.52	
		For Pourable Sealer Filled, Add	*39.41*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*19.71*	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	114.41	
		For Pourable Sealer Filled, Add	*88.72*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	139.62	
		For Pourable Sealer Filled, Add	*157.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*78.64*	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	153.16	
		For Pourable Sealer Filled, Add	*197.04*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*98.84*	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	166.06	
		For Pourable Sealer Filled, Add	*236.45*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*118.24*	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	195.23	
		For Pourable Sealer Filled, Add	*354.67*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*176.24*	
07 63 00 00-0009		**16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets** *(07 63 00 00-0001)*		
07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	94.77	
		For Pourable Sealer Filled, Add	*39.41*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*19.71*	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	114.38	
		For Pourable Sealer Filled, Add	*88.72*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.48*	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	140.11	
		For Pourable Sealer Filled, Add	*157.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*78.64*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	156.35	
		For Pourable Sealer Filled, Add	*197.04*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*98.84*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	168.93	
		For Pourable Sealer Filled, Add	*236.45*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*118.24*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	198.50	
		For Pourable Sealer Filled, Add	*354.67*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*176.24*	
07 63 00 00-0016		**24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets** *(07 63 00 00-0001)*		
07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	100.47	
		For Pourable Sealer Filled, Add	*39.41*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*19.71*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	120.29	
		For Pourable Sealer Filled, Add	*88.72*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.48*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	140.65	
		For Pourable Sealer Filled, Add	*157.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*78.64*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	153.14	
		For Pourable Sealer Filled, Add	*197.04*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*98.84*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	164.72	
		For Pourable Sealer Filled, Add	*236.45*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*118.24*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	191.40	
		For Pourable Sealer Filled, Add	*354.67*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*176.24*	
07 63 00 00-0023		**Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout** *(07 63 00 00-0001)*		
		Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	82.12	
		For Pourable Sealer Filled, Add	*39.41*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*19.71*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	93.92	
		For Pourable Sealer Filled, Add	*88.72*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.48*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	109.55	
		For Pourable Sealer Filled, Add	*157.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*78.64*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	119.53	
		For Pourable Sealer Filled, Add	*197.04*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*98.84*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	129.50	
		For Pourable Sealer Filled, Add	*236.45*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*118.24*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	154.44	
		For Pourable Sealer Filled, Add	*354.67*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*176.24*	
07 63 00 00-0030		**Lead Pipe Flashing For Roofs** *(07 63)*		
		Note: Includes 6" skirt base.		
07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	92.78	30.20
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe	92.78	30.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe	110.93	30.20
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe	121.31	30.20
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	126.49	30.20
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe	129.09	30.20
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe	155.02	30.20
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe	166.69	30.20
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*		
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	81.91	19.51
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	83.23	19.51
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	88.04	19.51
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	92.18	19.51

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	14.65	2.36

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Thick *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	10.35	3.36
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	13.66	3.60
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	17.32	3.98
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	21.22	4.48

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	56.86	10.33
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	67.74	11.57
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	75.96	12.44

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	34.65	2.69
		For Up To 25 LF, Add	*5.26*	
		For >25 To 100 LF, Add	*2.63*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.57	2.91
		For Up To 25 LF, Add	*5.60*	
		For >25 To 100 LF, Add	*2.80*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	41.65	3.06
		For Up To 25 LF, Add	*6.21*	
		For >25 To 100 LF, Add	*3.10*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	48.35	3.36
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	58.33	3.51
		For Up To 25 LF, Add	*8.17*	
		For >25 To 100 LF, Add	*4.09*	
		For >1,000 LF, Deduct	*-0.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0008		Aluminum Copings *(07 71 13)*		
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)* Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	27.61	2.69
		For Up To 25 LF, Add	*4.55*	
		For >25 To 100 LF, Add	*2.28*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.48	2.91
		For Up To 25 LF, Add	*4.89*	
		For >25 To 100 LF, Add	*2.44*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.31	3.06
		For Up To 25 LF, Add	*5.47*	
		For >25 To 100 LF, Add	*2.74*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	40.91	3.36
		For Up To 25 LF, Add	*6.33*	
		For >25 To 100 LF, Add	*3.17*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	50.70	3.51
		For Up To 25 LF, Add	*7.41*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.93	2.69
		For Up To 25 LF, Add	*4.79*	
		For >25 To 100 LF, Add	*2.39*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.95	2.91
		For Up To 25 LF, Add	*5.14*	
		For >25 To 100 LF, Add	*2.57*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	37.23	3.06
		For Up To 25 LF, Add	*5.76*	
		For >25 To 100 LF, Add	*2.88*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	44.44	3.36
		For Up To 25 LF, Add	*6.68*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	55.19	3.51
		For Up To 25 LF, Add	*7.86*	
		For >25 To 100 LF, Add	*3.93*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.83	2.69
		For Up To 25 LF, Add	*4.98*	
		For >25 To 100 LF, Add	*2.49*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.15	2.91
		For Up To 25 LF, Add	*5.36*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	40.86	3.06
		For Up To 25 LF, Add	*6.13*	
		For >25 To 100 LF, Add	*3.06*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	50.94	3.36
		For Up To 25 LF, Add	*7.33*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	65.72	3.51
		For Up To 25 LF, Add	*8.91*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	38.02	2.69
		For Up To 25 LF, Add	*5.59*	
		For >25 To 100 LF, Add	*2.80*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.57	2.91
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.45	3.06
		For Up To 25 LF, Add	*6.79*	
		For >25 To 100 LF, Add	*3.39*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	56.79	3.36
		For Up To 25 LF, Add	*7.92*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	70.88	3.51
		For Up To 25 LF, Add	*9.43*	
		For >25 To 100 LF, Add	*4.71*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.38	2.69
		For Up To 25 LF, Add	*5.93*	
		For >25 To 100 LF, Add	*2.97*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.14	2.91
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	51.68	3.06
		For Up To 25 LF, Add	*7.21*	
		For >25 To 100 LF, Add	*3.60*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	61.91	3.36
		For Up To 25 LF, Add	*8.43*	
		For >25 To 100 LF, Add	*4.22*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	77.39	3.51
		For Up To 25 LF, Add	*10.08*	
		For >25 To 100 LF, Add	*5.04*	
		For >1,000 LF, Deduct	*-0.59*	
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.13	2.69
		For Up To 25 LF, Add	*6.21*	
		For >25 To 100 LF, Add	*3.10*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.33	2.91
		For Up To 25 LF, Add	*6.67*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	56.95	3.06
		For Up To 25 LF, Add	*7.74*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	71.35	3.36
		For Up To 25 LF, Add	*9.38*	
		For >25 To 100 LF, Add	*4.69*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	92.66	3.51
		For Up To 25 LF, Add	*11.61*	
		For >25 To 100 LF, Add	*5.80*	
		For >1,000 LF, Deduct	*-0.59*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	40.04	2.69
		For Up To 25 LF, Add	*5.80*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.71	2.91
		For Up To 25 LF, Add	*6.21*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.99	3.06
		For Up To 25 LF, Add	*7.04*	
		For >25 To 100 LF, Add	*3.52*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	59.87	3.36
		For Up To 25 LF, Add	*8.23*	
		For >25 To 100 LF, Add	*4.11*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	74.79	3.51
		For Up To 25 LF, Add	*9.82*	
		For >25 To 100 LF, Add	*4.91*	
		For >1,000 LF, Deduct	*-0.59*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.59	2.69
		For Up To 25 LF, Add	*6.15*	
		For >25 To 100 LF, Add	*3.08*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.50	2.91
		For Up To 25 LF, Add	*6.59*	
		For >25 To 100 LF, Add	*3.30*	
		For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	54.48	3.06
		For Up To 25 LF, Add	*7.49*	
		For >25 To 100 LF, Add	*3.74*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	65.29	3.36
		For Up To 25 LF, Add	*8.77*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	81.68	3.51
		For Up To 25 LF, Add	*10.51*	
		For >25 To 100 LF, Add	*5.25*	
		For >1,000 LF, Deduct	*-0.59*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.51	2.69
		For Up To 25 LF, Add	*6.44*	
		For >25 To 100 LF, Add	*3.22*	
		For >1,000 LF, Deduct	*-0.45*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0062		LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.88	2.91
			For Up To 25 LF, Add	*6.93*	
			For >25 To 100 LF, Add	*3.46*	
			For >1,000 LF, Deduct	*-0.49*	
07 71 13 00-0063		LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	60.06	3.06
			For Up To 25 LF, Add	*8.05*	
			For >25 To 100 LF, Add	*4.02*	
			For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0064		LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	75.29	3.36
			For Up To 25 LF, Add	*9.77*	
			For >25 To 100 LF, Add	*4.88*	
			For >1,000 LF, Deduct	*-0.56*	
07 71 13 00-0065		LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	97.86	3.51
			For Up To 25 LF, Add	*12.13*	
			For >25 To 100 LF, Add	*6.06*	
			For >1,000 LF, Deduct	*-0.59*	

07 71 13 00-0066 Removal And Reinstallation Of Metal Coping *(07 71 13)*

07 71 13 00-0067		LF	Removal And Reinstallation Of Metal Coping	8.49	
			For Up To 25 LF, Add	*4.25*	
			For >25 To 100 LF, Add	*2.12*	
			For >1,000 LF, Deduct	*-0.85*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006		LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	40.30	2.12
			For Up To 25 LF, Add	*6.52*	
			For >25 To 100 LF, Add	*3.26*	
			For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0007		LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	41.69	2.49
			For Up To 25 LF, Add	*7.11*	
			For >25 To 100 LF, Add	*3.55*	
			For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0008		LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.13	2.74
			For Up To 25 LF, Add	*7.65*	
			For >25 To 100 LF, Add	*3.82*	
			For >1,000 LF, Deduct	*-0.83*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010		LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.81	2.12
			For Up To 25 LF, Add	*6.77*	
			For >25 To 100 LF, Add	*3.38*	
			For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0011		LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.31	2.49
			For Up To 25 LF, Add	*7.37*	
			For >25 To 100 LF, Add	*3.68*	
			For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0012		LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.89	2.74
			For Up To 25 LF, Add	*7.92*	
			For >25 To 100 LF, Add	*3.96*	
			For >1,000 LF, Deduct	*-0.83*	

07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0014		LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.08	2.12
			For Up To 25 LF, Add	*7.10*	
			For >25 To 100 LF, Add	*3.55*	
			For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0015		LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.44	2.49
			For Up To 25 LF, Add	*7.68*	
			For >25 To 100 LF, Add	*3.84*	
			For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0016		LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.37	2.74
			For Up To 25 LF, Add	*8.27*	
			For >25 To 100 LF, Add	*4.13*	
			For >1,000 LF, Deduct	*-0.83*	

07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.30	2.12
		For Up To 25 LF, Add	*7.32*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.74	2.49
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.81	2.74
		For Up To 25 LF, Add	*8.51*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	26.39	2.12
		For Up To 25 LF, Add	*5.13*	
		For >25 To 100 LF, Add	*2.56*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	28.49	2.49
		For Up To 25 LF, Add	*5.79*	
		For >25 To 100 LF, Add	*2.89*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	30.59	2.74
		For Up To 25 LF, Add	*6.39*	
		For >25 To 100 LF, Add	*3.20*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0026		0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	28.48	2.12
		For Up To 25 LF, Add	*5.34*	
		For >25 To 100 LF, Add	*2.67*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	30.30	2.49
		For Up To 25 LF, Add	*5.97*	
		For >25 To 100 LF, Add	*2.98*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	31.98	2.74
		For Up To 25 LF, Add	*6.53*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	30.57	2.12
		For Up To 25 LF, Add	*5.55*	
		For >25 To 100 LF, Add	*2.77*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.38	2.49
		For Up To 25 LF, Add	*6.17*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	34.24	2.74
		For Up To 25 LF, Add	*6.76*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	32.83	2.12
		For Up To 25 LF, Add	*5.77*	
		For >25 To 100 LF, Add	*2.89*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	34.47	2.49
		For Up To 25 LF, Add	*6.38*	
		For >25 To 100 LF, Add	*3.19*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	35.92	2.74
		For Up To 25 LF, Add	*6.92*	
		For >25 To 100 LF, Add	*3.46*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	48.02	2.12
		For Up To 25 LF, Add	*7.29*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.62*	

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07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	49.75	2.49
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	51.30	2.74
		For Up To 25 LF, Add	*8.46*	
		For >25 To 100 LF, Add	*4.23*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	51.03	2.12
		For Up To 25 LF, Add	*7.59*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.89	2.49
		For Up To 25 LF, Add	*8.23*	
		For >25 To 100 LF, Add	*4.11*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.59	2.74
		For Up To 25 LF, Add	*8.79*	
		For >25 To 100 LF, Add	*4.40*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.95	2.12
		For Up To 25 LF, Add	*7.98*	
		For >25 To 100 LF, Add	*3.99*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.65	2.49
		For Up To 25 LF, Add	*8.60*	
		For >25 To 100 LF, Add	*4.30*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.07	2.74
		For Up To 25 LF, Add	*9.14*	
		For >25 To 100 LF, Add	*4.57*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.62	2.12
		For Up To 25 LF, Add	*8.25*	
		For >25 To 100 LF, Add	*4.13*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.41	2.49
		For Up To 25 LF, Add	*8.88*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.94	2.74
		For Up To 25 LF, Add	*9.43*	
		For >25 To 100 LF, Add	*4.71*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	45.45	2.24
		For Up To 25 LF, Add	*7.29*	
		For >25 To 100 LF, Add	*3.64*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	48.36	2.67
		For Up To 25 LF, Add	*8.07*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.66	3.05
		For Up To 25 LF, Add	*8.85*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	47.96	2.24
		For Up To 25 LF, Add	*7.54*	
		For >25 To 100 LF, Add	*3.77*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.97	2.67
		For Up To 25 LF, Add	*8.33*	
		For >25 To 100 LF, Add	*4.17*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.42	3.05
		For Up To 25 LF, Add	*9.12*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.23	2.24
		For Up To 25 LF, Add	*7.86*	
		For >25 To 100 LF, Add	*3.93*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.11	2.67
		For Up To 25 LF, Add	*8.65*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.89	3.05
		For Up To 25 LF, Add	*9.47*	
		For >25 To 100 LF, Add	*4.73*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.45	2.24
		For Up To 25 LF, Add	*8.09*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.41	2.67
		For Up To 25 LF, Add	*8.88*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	60.33	3.05
		For Up To 25 LF, Add	*9.71*	
		For >25 To 100 LF, Add	*4.86*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	33.47	2.24
		For Up To 25 LF, Add	*6.09*	
		For >25 To 100 LF, Add	*3.04*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.86	2.67
		For Up To 25 LF, Add	*6.82*	
		For >25 To 100 LF, Add	*3.41*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.59	3.05
		For Up To 25 LF, Add	*7.54*	
		For >25 To 100 LF, Add	*3.77*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.20	2.24
		For Up To 25 LF, Add	*6.26*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.67	2.67
		For Up To 25 LF, Add	*7.00*	
		For >25 To 100 LF, Add	*3.50*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.50	3.05
		For Up To 25 LF, Add	*7.73*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.92*	

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07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.46	2.24
		For Up To 25 LF, Add	*6.49*	
		For >25 To 100 LF, Add	*3.24*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.82	2.67
		For Up To 25 LF, Add	*7.22*	
		For >25 To 100 LF, Add	*3.61*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.76	3.05
		For Up To 25 LF, Add	*7.96*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.99	2.24
		For Up To 25 LF, Add	*6.64*	
		For >25 To 100 LF, Add	*3.32*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.41	2.67
		For Up To 25 LF, Add	*7.38*	
		For >25 To 100 LF, Add	*3.69*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.44	3.05
		For Up To 25 LF, Add	*8.12*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	53.17	2.24
		For Up To 25 LF, Add	*8.06*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.41	2.67
		For Up To 25 LF, Add	*8.88*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.82	3.05
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0095		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.18	2.24
		For Up To 25 LF, Add	*8.36*	
		For >25 To 100 LF, Add	*4.18*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.55	2.67
		For Up To 25 LF, Add	*9.19*	
		For >25 To 100 LF, Add	*4.60*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.11	3.05
		For Up To 25 LF, Add	*9.99*	
		For >25 To 100 LF, Add	*5.00*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	60.11	2.24
		For Up To 25 LF, Add	*8.75*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.31	2.67
		For Up To 25 LF, Add	*9.57*	
		For >25 To 100 LF, Add	*4.78*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.59	3.05
		For Up To 25 LF, Add	*10.34*	
		For >25 To 100 LF, Add	*5.17*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.77	2.24
		For Up To 25 LF, Add	*9.02*	
		For >25 To 100 LF, Add	*4.51*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.07	2.67
		For Up To 25 LF, Add	*9.84*	
		For >25 To 100 LF, Add	*4.92*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.46	3.05
		For Up To 25 LF, Add	*10.63*	
		For >25 To 100 LF, Add	*5.31*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	38.65	2.12
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	50.74	2.49
		For Up To 25 LF, Add	*8.01*	
		For >25 To 100 LF, Add	*4.01*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	75.15	2.74
		For Up To 25 LF, Add	*10.85*	
		For >25 To 100 LF, Add	*5.42*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	48.05	2.12
		For Up To 25 LF, Add	*7.29*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	63.28	2.49
		For Up To 25 LF, Add	*9.26*	
		For >25 To 100 LF, Add	*4.63*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	93.96	2.74
		For Up To 25 LF, Add	*12.73*	
		For >25 To 100 LF, Add	*6.36*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	58.05	2.12
		For Up To 25 LF, Add	*8.29*	
		For >25 To 100 LF, Add	*4.15*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	76.61	2.49
		For Up To 25 LF, Add	*10.60*	
		For >25 To 100 LF, Add	*5.30*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	113.95	2.74
		For Up To 25 LF, Add	*14.73*	
		For >25 To 100 LF, Add	*7.36*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	45.65	2.24
		For Up To 25 LF, Add	*7.31*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	59.82	2.67
		For Up To 25 LF, Add	*9.22*	
		For >25 To 100 LF, Add	*4.61*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	86.80	3.05
		For Up To 25 LF, Add	*12.36*	
		For >25 To 100 LF, Add	*6.18*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	55.05	2.24
		For Up To 25 LF, Add	*8.25*	
		For >25 To 100 LF, Add	*4.12*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	72.36	2.67
		For Up To 25 LF, Add	*10.47*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	105.61	3.05
		For Up To 25 LF, Add	*14.24*	
		For >25 To 100 LF, Add	*7.12*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	65.05	2.24
		For Up To 25 LF, Add	*9.25*	
		For >25 To 100 LF, Add	*4.62*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	85.69	2.67
		For Up To 25 LF, Add	*11.81*	
		For >25 To 100 LF, Add	*5.90*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	125.59	3.05
		For Up To 25 LF, Add	*16.24*	
		For >25 To 100 LF, Add	*8.12*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	37.00	2.12
		For Up To 25 LF, Add	*6.19*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	38.34	2.49
		For Up To 25 LF, Add	*6.77*	
		For >25 To 100 LF, Add	*3.39*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	39.94	2.74
		For Up To 25 LF, Add	*7.33*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	42.30	2.24
		For Up To 25 LF, Add	*6.97*	
		For >25 To 100 LF, Add	*3.49*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	45.19	2.67
		For Up To 25 LF, Add	*7.76*	
		For >25 To 100 LF, Add	*3.88*	
		For >1,000 LF, Deduct	*-0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	48.71	3.05
		For Up To 25 LF, Add	*8.55*	
		For >25 To 100 LF, Add	*4.28*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	61.72	2.12
		For Up To 25 LF, Add	*8.66*	
		For >25 To 100 LF, Add	*4.33*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	70.68	2.49
		For Up To 25 LF, Add	*10.00*	
		For >25 To 100 LF, Add	*5.00*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	81.65	2.74
		For Up To 25 LF, Add	*11.50*	
		For >25 To 100 LF, Add	*5.75*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	74.89	2.12
		For Up To 25 LF, Add	*9.98*	
		For >25 To 100 LF, Add	*4.99*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	86.77	2.49
		For Up To 25 LF, Add	*11.61*	
		For >25 To 100 LF, Add	*5.81*	
		For >1,000 LF, Deduct	*-0.73*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	99.20	2.74
		For Up To 25 LF, Add	*13.25*	
		For >25 To 100 LF, Add	*6.63*	
		For >1,000 LF, Deduct	*-0.83*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	64.25	2.24
		For Up To 25 LF, Add	*9.17*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	73.92	2.67
		For Up To 25 LF, Add	*10.63*	
		For >25 To 100 LF, Add	*5.31*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	85.74	3.05
		For Up To 25 LF, Add	*12.25*	
		For >25 To 100 LF, Add	*6.13*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	77.42	2.24
		For Up To 25 LF, Add	*10.48*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	90.01	2.67
		For Up To 25 LF, Add	*12.24*	
		For >25 To 100 LF, Add	*6.12*	
		For >1,000 LF, Deduct	*-0.81*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	103.29	3.05
		For Up To 25 LF, Add	*14.01*	
		For >25 To 100 LF, Add	*7.00*	
		For >1,000 LF, Deduct	*-0.92*	
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	45.17	3.11
		For Up To 25 LF, Add	*7.01*	
		For >25 To 100 LF, Add	*3.50*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	50.79	3.23
		For Up To 25 LF, Add	*7.66*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	54.40	3.36
		For Up To 25 LF, Add	*8.13*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	313.11	4.36
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	334.40	4.36
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	347.78	4.36
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	255.12	4.36
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	265.87	4.36
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	272.41	4.36
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.78	3.11
		For Up To 25 LF, Add	*5.27*	
		For >25 To 100 LF, Add	*2.63*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.42	3.23
		For Up To 25 LF, Add	*5.73*	
		For >25 To 100 LF, Add	*2.86*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.36	3.36
		For Up To 25 LF, Add	*6.02*	
		For >25 To 100 LF, Add	*3.01*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.19	3.11
		For Up To 25 LF, Add	*5.41*	
		For >25 To 100 LF, Add	*2.70*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.24	3.23
		For Up To 25 LF, Add	*5.91*	
		For >25 To 100 LF, Add	*2.95*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.39	3.36
		For Up To 25 LF, Add	*6.23*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	180.30	4.36
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	195.54	4.36
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	202.21	4.36
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	142.74	4.36
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	150.33	4.36
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	153.65	4.36
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.09	3.11
		For Up To 25 LF, Add	*5.70*	
		For >25 To 100 LF, Add	*2.85*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	36.42	3.23
		For Up To 25 LF, Add	*6.23*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	38.68	3.36
		For Up To 25 LF, Add	*6.56*	
		For >25 To 100 LF, Add	*3.28*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.79	3.11
		For Up To 25 LF, Add	*5.87*	
		For >25 To 100 LF, Add	*2.93*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	38.59	3.23
		For Up To 25 LF, Add	*6.44*	
		For >25 To 100 LF, Add	*3.22*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	41.12	3.36
		For Up To 25 LF, Add	*6.80*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.67*	
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	223.20	4.36
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	242.25	4.36
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	250.58	4.36
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	176.24	4.36
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	185.73	4.36
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	189.88	4.36

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0001		**Aluminum Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0002		**Aluminum Gutters** *(07 71 23 00-0001)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		**K-Style Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.04	4.52
		For Up To 100', Add	*2.22*	
		For >100' To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.75*	
		For Kynar 500® Finish, Add	*1.61*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	12.39	4.76
		For Up To 100', Add	*2.41*	
		For >100' To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*2.06*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	11.56	4.52
		For Up To 100', Add	*2.28*	
		For >100' To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.75*	
		For Kynar 500® Finish, Add	*1.85*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.05	4.76
		For Up To 100', Add	*2.48*	
		For >100' To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*2.35*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	25.33	5.01
		For Up To 100', Add	*3.80*	
		For >100' To 250', Add	*1.69*	
		For >1,000', Deduct	*-0.84*	
		For Kynar 500® Finish, Add	*7.61*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	27.76	5.62
		For Up To 100', Add	*4.17*	
		For >100' To 250', Add	*1.85*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*8.31*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	31.33	5.62
		For Up To 100', Add	*4.53*	
		For >100' To 250', Add	*2.03*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*9.92*	
07 71 23 00-0011		**Half Round Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	21.37	4.52
		For Up To 100', Add	*3.26*	
		For >100' To 250', Add	*1.44*	
		For >1,000', Deduct	*-0.75*	
		For Kynar 500® Finish, Add	*6.26*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	25.93	4.76
		For Up To 100', Add	*3.77*	
		For >100' To 250', Add	*1.69*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*8.15*	
07 71 23 00-0014		**Box Style Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	22.20	5.62
		For Up To 100', Add	*3.61*	
		For >100' To 250', Add	*1.57*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*5.81*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	22.26	5.62
		For Up To 100', Add	*3.62*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*5.84*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	26.05	5.99
		For Up To 100', Add	*4.09*	
		For >100' To 250', Add	*1.80*	
		For >1,000', Deduct	*-0.99*	
		For Kynar 500® Finish, Add	*7.27*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	29.54	6.35
		For Up To 100', Add	*4.53*	
		For >100' To 250', Add	*2.00*	
		For >1,000', Deduct	*-1.05*	
		For Kynar 500® Finish, Add	*8.56*	
07 71 23 00-0019		**Aluminum Gutter End Caps** *(07 71 23 00-0001)*		
07 71 23 00-0020		**K-Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.69	
		For Kynar 500® Finish, Add	*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.70	
		For Kynar 500® Finish, Add	*1.01*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.86	
		For Kynar 500® Finish, Add	*3.78*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	12.74	
		For Kynar 500® Finish, Add	*4.63*	
07 71 23 00-0025		**Half Round, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.28	
		For Kynar 500® Finish, Add	*1.72*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	10.01	
		For Kynar 500® Finish, Add	*3.40*	
07 71 23 00-0028		**Box Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	11.89	
		For Kynar 500® Finish, Add	*4.25*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	12.97	
		For Kynar 500® Finish, Add	*4.73*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	15.32	
		For Kynar 500® Finish, Add	*5.79*	
07 71 23 00-0032		**Aluminum Gutter Miters** *(07 71 23 00-0001)*		
		Note: Inside or outside miters.		
07 71 23 00-0033		**K-Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	22.18	
		For Kynar 500® Finish, Add	*4.43*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	30.23	
		For Kynar 500® Finish, Add	*7.66*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	96.02	
		For Kynar 500® Finish, Add	*36.89*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	104.29	
		For Kynar 500® Finish, Add	*40.17*	
07 71 23 00-0038		**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	40.24	
		For Kynar 500® Finish, Add	*12.56*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	64.59	
		For Kynar 500® Finish, Add	*23.13*	
07 71 23 00-0041		**Box Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	77.44	
		For Kynar 500® Finish, Add	*28.91*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	116.53	
		For Kynar 500® Finish, Add	*46.12*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	126.60	
		For Kynar 500® Finish, Add	*50.21*	
07 71 23 00-0045		**Aluminum Gutter Wire Strainers** *(07 71 23 00-0001)*		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	15.63	3.06
		For Kynar 500® Finish, Add	*4.17*	
		For 0.024" Thick, Add	*1.30*	
		For 0.027" Thick, Add	*2.69*	
		For 0.031" Thick, Add	*3.89*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	23.43	3.06
		For Kynar 500® Finish, Add	*7.68*	
		For 0.024" Thick, Add	*2.39*	
		For 0.027" Thick, Add	*4.95*	
		For 0.031" Thick, Add	*7.17*	
07 71 23 00-0048		**Aluminum Downspouts** *(07 71 23 00-0001)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	8.09	2.93
		For Up To 100', Add	*1.29*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*2.21*	
		For 0.024" Thick, Add	*0.69*	
		For 0.027" Thick, Add	*1.42*	
		For 0.031" Thick, Add	*2.06*	

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07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	9.24	2.93
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*2.73*	
		For 0.024" Thick, Add	*0.85*	
		For 0.027" Thick, Add	*1.76*	
		For 0.031" Thick, Add	*2.55*	
07 71 23 00-0052		**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.70	2.93
		For Up To 100', Add	*1.05*	
		For >100 To 250', Add	*0.44*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*1.13*	
		For 0.024" Thick, Add	*0.35*	
		For 0.027" Thick, Add	*0.73*	
		For 0.031" Thick, Add	*1.06*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.16	2.93
		For Up To 100', Add	*1.19*	
		For >100 To 250', Add	*0.52*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*1.79*	
		For 0.024" Thick, Add	*0.56*	
		For 0.027" Thick, Add	*1.15*	
		For 0.031" Thick, Add	*1.67*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	13.32	2.93
		For Up To 100', Add	*1.81*	
		For >100 To 250', Add	*0.83*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*4.56*	
		For 0.024" Thick, Add	*1.42*	
		For 0.027" Thick, Add	*2.94*	
		For 0.031" Thick, Add	*4.26*	
07 71 23 00-0056		**Aluminum Devices** *(07 71 23 00-0001)*		
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	271.19	27.99
		For Kynar 500® Finish, Add	*80.05*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	275.73	31.10
		For Kynar 500® Finish, Add	*96.09*	
07 71 23 00-0059		**Copper Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0060		**Copper Gutters** *(07 71 23 00-0059)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061		**K-Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	18.00	4.28
		For Up To 100', Add	*2.86*	
		For >100' To 250', Add	*1.25*	
		For >1,000', Deduct	*-0.71*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	25.18	4.52
		For Up To 100', Add	*3.64*	
		For >100' To 250', Add	*1.63*	
		For >1,000', Deduct	*-0.75*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	29.89	4.76
		For Up To 100', Add	*4.16*	
		For >100' To 250', Add	*1.89*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	31.55	4.52
		For Up To 100', Add	*4.27*	
		For >100' To 250', Add	*1.95*	
		For >1,000', Deduct	*-0.75*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	38.91	4.76
		For Up To 100', Add	*5.06*	
		For >100' To 250', Add	*2.34*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	45.44	5.01
		For Up To 100', Add	*5.81*	
		For >100' To 250', Add	*2.69*	
		For >1,000', Deduct	*-0.84*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	50.50	5.62
		For Up To 100', Add	*6.44*	
		For >100' To 250', Add	*2.99*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0069		**Half Round Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	21.86	4.52
		For Up To 100', Add	*3.31*	
		For >100' To 250', Add	*1.47*	
		For >1,000', Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	27.42	4.76
		For Up To 100', Add	*3.92*	
		For >100' To 250', Add	*1.76*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	45.33	5.01
		For Up To 100', Add	*5.80*	
		For >100' To 250', Add	*2.69*	
		For >1,000', Deduct	*-0.84*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	25.34	4.52
		For Up To 100', Add	*3.65*	
		For >100' To 250', Add	*1.64*	
		For >1,000', Deduct	*-0.75*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	31.11	4.76
		For Up To 100', Add	*4.28*	
		For >100' To 250', Add	*1.95*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	47.59	5.01
		For Up To 100', Add	*6.02*	
		For >100' To 250', Add	*2.80*	
		For >1,000', Deduct	*-0.84*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	54.03	5.62
		For Up To 100', Add	*6.80*	
		For >100' To 250', Add	*3.17*	
		For >1,000', Deduct	*-0.93*	

07 71 23 00-0077 Box Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	25.47	5.13
		For Up To 100', Add	*3.83*	
		For >100' To 250', Add	*1.70*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	27.42	5.62
		For Up To 100', Add	*4.14*	
		For >100' To 250', Add	*1.84*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	33.07	5.99
		For Up To 100', Add	*4.79*	
		For >100' To 250', Add	*2.15*	
		For >1,000', Deduct	*-0.99*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	33.83	6.35
		For Up To 100', Add	*4.96*	
		For >100' To 250', Add	*2.22*	
		For >1,000', Deduct	*-1.05*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	28.87	5.13
		For Up To 100', Add	*4.17*	
		For >100' To 250', Add	*1.87*	
		For >1,000', Deduct	*-0.86*	
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	30.81	5.62
		For Up To 100', Add	*4.47*	
		For >100' To 250', Add	*2.01*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	36.47	5.99
		For Up To 100', Add	*5.13*	
		For >100' To 250', Add	*2.32*	
		For >1,000', Deduct	*-0.99*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	37.22	6.35
		For Up To 100', Add	*5.30*	
		For >100' To 250', Add	*2.39*	
		For >1,000', Deduct	*-1.05*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0087 K-Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.21
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	6.63
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.04
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	18.17
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	22.07

07 71 23 00-0093 Half Round, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	7.44
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	8.32
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	12.40
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	36.63
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	43.20

07 71 23 00-0099 Box Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	14.00
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	14.68
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	15.35
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	16.71

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0104		**Copper Gutter Miters** *(07 71 23 00-0059)* Note: Inside or outside miters.		
07 71 23 00-0105		**K-Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	39.36	
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	44.50	
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	63.44	
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	89.13	
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	104.37	
07 71 23 00-0111		**Half Round, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	60.60	
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	56.27	
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	80.47	
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	95.74	
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	112.93	
07 71 23 00-0117		**Box Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	66.61	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	68.83	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	75.11	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	76.71	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	73.40	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	75.62	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	81.90	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	89.67	
07 71 23 00-0126		**Copper Gutter Wire Strainers** *(07 71 23 00-0059)*		
07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	20.38	3.06
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	24.99	3.06
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	40.03	3.06
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	53.13	3.06
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	64.11	3.06
07 71 23 00-0132		**Copper Downspouts** *(07 71 23 00-0059)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133		**Round Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	24.72	2.93
		For Up To 100', Add	*2.95*	
		For >100 To 250', Add	*1.40*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	17.37	2.93
		For Up To 100', Add	*2.21*	
		For >100 To 250', Add	*1.03*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	21.76	2.93
		For Up To 100', Add	*2.65*	
		For >100 To 250', Add	*1.25*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	34.48	2.93
		For Up To 100', Add	*3.93*	
		For >100 To 250', Add	*1.88*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	44.19	2.93
		For Up To 100', Add	*4.90*	
		For >100 To 250', Add	*2.37*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	23.32	2.93
		For Up To 100', Add	*2.81*	
		For >100 To 250', Add	*1.33*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	30.11	2.93
		For Up To 100', Add	*3.49*	
		For >100 To 250', Add	*1.66*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	45.52	2.93
		For Up To 100', Add	*5.03*	
		For >100 To 250', Add	*2.44*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0142		**Square Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	12.18	2.93
		For Up To 100', Add	*1.70*	
		For >100 To 250', Add	*0.77*	
		For >1,000', Deduct	*-0.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	15.10	2.93
		For Up To 100', Add	*1.99*	
		For >100 To 250', Add	*0.91*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	21.40	2.93
		For Up To 100', Add	*2.62*	
		For >100 To 250', Add	*1.23*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	13.98	2.93
		For Up To 100', Add	*1.88*	
		For >100 To 250', Add	*0.86*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	17.63	2.93
		For Up To 100', Add	*2.24*	
		For >100 To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	25.11	2.93
		For Up To 100', Add	*2.99*	
		For >100 To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0149		**Rectangular Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	17.82	2.93
		For Up To 100', Add	*2.26*	
		For >100 To 250', Add	*1.05*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	22.41	2.93
		For Up To 100', Add	*2.72*	
		For >100 To 250', Add	*1.28*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	31.67	2.93
		For Up To 100', Add	*3.64*	
		For >100 To 250', Add	*1.74*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	20.67	2.93
		For Up To 100', Add	*2.54*	
		For >100 To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	26.36	2.93
		For Up To 100', Add	*3.11*	
		For >100 To 250', Add	*1.48*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	37.63	2.93
		For Up To 100', Add	*4.24*	
		For >100 To 250', Add	*2.04*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0156		**Copper Devices And Accessories** *(07 71 23 00-0059)*		
07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	215.90	27.99
07 71 23 00-0158	EA	Copper Leader/Conductor Head	295.60	31.10
07 71 23 00-0159	EA	Copper Eave Box	132.00	18.33
07 71 23 00-0160		**Galvanized Steel Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0161		**Galvanized Steel Gutters** *(07 71 23 00-0160)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162		**K-Style Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	13.97	4.52
		For Up To 100', Add	*2.52*	
		For >100' To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.75*	
		For Kynar 500® Finish, Add	*2.93*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.58*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	16.32	4.76
		For Up To 100', Add	*2.81*	
		For >100' To 250', Add	*1.21*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*3.83*	
		For 24 Gauge, Add	*2.38*	
		For 22 Gauge, Add	*4.68*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	34.59	5.01
		For Up To 100', Add	*4.72*	
		For >100' To 250', Add	*2.15*	
		For >1,000', Deduct	*-0.84*	
		For Kynar 500® Finish, Add	*11.77*	
		For 24 Gauge, Add	*7.32*	
		For 22 Gauge, Add	*14.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	36.44	5.62
		For Up To 100', Add	*5.04*	
		For >100' To 250', Add	*2.29*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*12.22*	
		For 24 Gauge, Add	*7.60*	
		For 22 Gauge, Add	*14.93*	

07 71 23 00-0167 Half Round Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	20.70	4.52
		For Up To 100', Add	*3.19*	
		For >100' To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.75*	
		For Kynar 500® Finish, Add	*5.96*	
		For 24 Gauge, Add	*3.71*	
		For 22 Gauge, Add	*7.28*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	26.23	4.76
		For Up To 100', Add	*3.80*	
		For >100' To 250', Add	*1.70*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*8.28*	
		For 24 Gauge, Add	*5.15*	
		For 22 Gauge, Add	*10.13*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	67.08	5.01
		For Up To 100', Add	*7.97*	
		For >100' To 250', Add	*3.78*	
		For >1,000', Deduct	*-0.84*	
		For Kynar 500® Finish, Add	*26.39*	
		For 24 Gauge, Add	*16.42*	
		For 22 Gauge, Add	*32.26*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	71.54	5.62
		For Up To 100', Add	*8.55*	
		For >100' To 250', Add	*4.04*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*28.01*	
		For 24 Gauge, Add	*17.43*	
		For 22 Gauge, Add	*34.24*	

07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	24.80	5.13
		For Up To 100', Add	*3.76*	
		For >100' To 250', Add	*1.67*	
		For >1,000', Deduct	*-0.86*	
		For Kynar 500® Finish, Add	*7.31*	
		For 22 Gauge, Add	*3.57*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	29.18	5.62
		For Up To 100', Add	*4.31*	
		For >100' To 250', Add	*1.92*	
		For >1,000', Deduct	*-0.93*	
		For Kynar 500® Finish, Add	*8.95*	
		For 22 Gauge, Add	*4.38*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	37.18	5.01
		For Up To 100', Add	*4.98*	
		For >100' To 250', Add	*2.28*	
		For >1,000', Deduct	*-0.84*	
		For Kynar 500® Finish, Add	*12.94*	
		For 22 Gauge, Add	*6.33*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	41.19	6.35
		For Up To 100', Add	*5.70*	
		For >100' To 250', Add	*2.59*	
		For >1,000', Deduct	*-1.05*	
		For Kynar 500® Finish, Add	*13.81*	
		For 22 Gauge, Add	*6.75*	

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	6.35	
		For Kynar 500® Finish, Add	*1.76*	
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	7.38	
		For Kynar 500® Finish, Add	*2.22*	
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	16.49	
		For Kynar 500® Finish, Add	*6.32*	
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	24.10	
		For Kynar 500® Finish, Add	*9.74*	

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	8.28	
		For Kynar 500® Finish, Add	*2.62*	
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	9.59	
		For Kynar 500® Finish, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	18.23	
		For Kynar 500® Finish, Add	*7.10*	
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	24.79	
		For Kynar 500® Finish, Add	*10.05*	
07 71 23 00-0188		**Box Style, Galvanized Steel Gutter End Caps** *(07 71 23 00-0177)*		
07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	15.18	
		For Kynar 500® Finish, Add	*5.73*	
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	18.36	
		For Kynar 500® Finish, Add	*7.16*	
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	20.62	
		For Kynar 500® Finish, Add	*8.18*	
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	27.76	
		For Kynar 500® Finish, Add	*11.39*	
07 71 23 00-0193		**Galvanized Steel Gutter Miters** *(07 71 23 00-0160)*		
		Note: Inside or outside miters.		
07 71 23 00-0194		**K-Style, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	38.79	
		For Kynar 500® Finish, Add	*11.90*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	63.80	
		For Kynar 500® Finish, Add	*22.77*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	103.04	
		For Kynar 500® Finish, Add	*40.05*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	115.93	
		For Kynar 500® Finish, Add	*45.41*	
07 71 23 00-0199		**Half Round, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	53.74	
		For Kynar 500® Finish, Add	*18.63*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	60.49	
		For Kynar 500® Finish, Add	*21.28*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	174.87	
		For Kynar 500® Finish, Add	*72.37*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	184.78	
		For Kynar 500® Finish, Add	*76.39*	
07 71 23 00-0204		**Box Style, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	50.74	
		For Kynar 500® Finish, Add	*17.28*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	83.59	
		For Kynar 500® Finish, Add	*31.68*	
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	108.99	
		For Kynar 500® Finish, Add	*42.72*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	115.93	
		For Kynar 500® Finish, Add	*45.41*	
07 71 23 00-0209		**Galvanized Steel Gutter Wire Strainers** *(07 71 23 00-0160)*		
07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	13.74	3.06
		For Kynar 500® Finish, Add	*3.32*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	20.03	3.06
		For Kynar 500® Finish, Add	*6.15*	
07 71 23 00-0212		**Galvanized Steel Downspouts** *(07 71 23 00-0160)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213		**Round Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	7.94	2.93
		For Up To 100', Add	*1.27*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*2.14*	
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*2.62*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	9.97	2.93
		For Up To 100', Add	*1.47*	
		For >100 To 250', Add	*0.66*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*3.06*	
		For 24 Gauge, Add	*1.90*	
		For 22 Gauge, Add	*3.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	13.73	2.93
		For Up To 100', Add	*1.85*	
		For >100 To 250', Add	*0.85*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*4.75*	
		For 24 Gauge, Add	*2.95*	
		For 22 Gauge, Add	*5.80*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	31.11	2.93
		For Up To 100', Add	*3.59*	
		For >100 To 250', Add	*1.71*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*12.57*	
		For 24 Gauge, Add	*7.82*	
		For 22 Gauge, Add	*15.36*	
07 71 23 00-0218		Square Galvanized Steel Downspouts *(07 71 23 00-0212)*		
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.07	2.93
		For Up To 100', Add	*1.38*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*2.65*	
		For 24 Gauge, Add	*1.65*	
		For 22 Gauge, Add	*3.24*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	11.75	2.93
		For Up To 100', Add	*1.65*	
		For >100 To 250', Add	*0.75*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*3.86*	
		For 24 Gauge, Add	*2.40*	
		For 22 Gauge, Add	*4.71*	
07 71 23 00-0221		Rectangular Galvanized Steel Downspouts *(07 71 23 00-0212)*		
07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.09	2.93
		For Up To 100', Add	*1.29*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*2.21*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.70*	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	10.44	2.93
		For Up To 100', Add	*1.52*	
		For >100 To 250', Add	*0.68*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*3.27*	
		For 24 Gauge, Add	*2.03*	
		For 22 Gauge, Add	*3.99*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	19.78	2.93
		For Up To 100', Add	*2.46*	
		For >100 To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.32*	
		For Kynar 500® Finish, Add	*7.47*	
		For 24 Gauge, Add	*4.65*	
		For 22 Gauge, Add	*9.13*	
07 71 23 00-0225		Galvanized Steel Devices *(07 71 23 00-0160)*		
07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	366.03	31.10
		For Kynar 500® Finish, Add	*136.72*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	199.78	27.99
		For Kynar 500® Finish, Add	*47.92*	
07 71 23 00-0228		Stainless Steel Gutters And Downspouts *(07 71 23)*		
		Note: AISI type 304 stainless steel.		
07 71 23 00-0229		Stainless Steel Gutters *(07 71 23 00-0228)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0230		K-Style, Stainless Steel Gutters *(07 71 23 00-0229)*		
07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	28.66	4.52
		For Up To 100', Add	*3.99*	
		For >100' To 250', Add	*1.81*	
		For >1,000', Deduct	*-0.75*	
		For 316 Stainless Steel, Add	*8.06*	
		For 24 Gauge, Add	*7.00*	
		For 22 Gauge, Add	*13.99*	
		For 20 Gauge, Add	*20.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	34.33	4.76
		For Up To 100', Add	*4.61*	
		For >100' To 250', Add	*2.11*	
		For >1,000', Deduct	*-0.78*	
		For 316 Stainless Steel, Add	*10.07*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*17.50*	
		For 20 Gauge, Add	*26.24*	
07 71 23 00-0233		Half Round, Stainless Steel Gutters *(07 71 23 00-0229)*		
07 71 23 00-0234	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	39.56	4.52
		For Up To 100', Add	*5.08*	
		For >100' To 250', Add	*2.35*	
		For >1,000', Deduct	*-0.75*	
		For 316 Stainless Steel, Add	*12.20*	
		For 24 Gauge, Add	*10.59*	
		For 22 Gauge, Add	*21.19*	
		For 20 Gauge, Add	*31.78*	
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	47.88	4.76
		For Up To 100', Add	*5.96*	
		For >100' To 250', Add	*2.79*	
		For >1,000', Deduct	*-0.78*	
		For 316 Stainless Steel, Add	*15.22*	
		For 24 Gauge, Add	*13.22*	
		For 22 Gauge, Add	*26.44*	
		For 20 Gauge, Add	*39.66*	
07 71 23 00-0236		Box Style, Stainless Steel Gutters *(07 71 23 00-0229)*		
07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	38.79	5.13
		For Up To 100', Add	*5.16*	
		For >100' To 250', Add	*2.37*	
		For >1,000', Deduct	*-0.86*	
		For 316 Stainless Steel, Add	*11.49*	
		For 24 Gauge, Add	*9.98*	
		For 22 Gauge, Add	*19.95*	
		For 20 Gauge, Add	*29.93*	
		For 18 Gauge, Add	*50.18*	
		For Seamless Gutter, Add	*-0.23*	
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	47.27	5.62
		For Up To 100', Add	*6.12*	
		For >100' To 250', Add	*2.83*	
		For >1,000', Deduct	*-0.93*	
		For 316 Stainless Steel, Add	*14.43*	
		For 24 Gauge, Add	*12.53*	
		For 22 Gauge, Add	*25.07*	
		For 20 Gauge, Add	*37.60*	
		For 18 Gauge, Add	*63.05*	
		For Seamless Gutter, Add	*-0.51*	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	55.78	5.99
		For Up To 100', Add	*7.06*	
		For >100' To 250', Add	*3.28*	
		For >1,000', Deduct	*-0.99*	
		For 316 Stainless Steel, Add	*17.44*	
		For 24 Gauge, Add	*15.14*	
		For 22 Gauge, Add	*30.29*	
		For 20 Gauge, Add	*45.43*	
		For 18 Gauge, Add	*76.18*	
		For Seamless Gutter, Add	*-0.81*	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	60.65	6.35
		For Up To 100', Add	*7.64*	
		For >100' To 250', Add	*3.56*	
		For >1,000', Deduct	*-1.05*	
		For 316 Stainless Steel, Add	*19.05*	
		For 24 Gauge, Add	*16.55*	
		For 22 Gauge, Add	*33.09*	
		For 20 Gauge, Add	*49.64*	
		For 18 Gauge, Add	*83.23*	
		For Seamless Gutter, Add	*-0.93*	
07 71 23 00-0241		Stainless Steel Gutter End Caps *(07 71 23 00-0228)*		
07 71 23 00-0242		K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*		
07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	9.08	
		For 316 Stainless Steel, Add	*2.52*	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	10.41	
		For 316 Stainless Steel, Add	*3.02*	
07 71 23 00-0245		Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*		
07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	10.74	
		For 316 Stainless Steel, Add	*3.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	12.40	
		For 316 Stainless Steel, Add	*3.78*	
07 71 23 00-0248		**Box Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0241)*		
07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	11.35	
		For 316 Stainless Steel, Add	*3.15*	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	13.01	
		For 316 Stainless Steel, Add	*3.78*	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	13.59	
		For 316 Stainless Steel, Add	*4.08*	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	16.48	
		For 316 Stainless Steel, Add	*5.03*	
07 71 23 00-0253		**Stainless Steel Gutter Miters** *(07 71 23 00-0228)*		
		Note: Inside or outside box miters.		
07 71 23 00-0254		**K-Style, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	46.60	
		For 316 Stainless Steel, Add	*13.02*	
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	73.99	
		For 316 Stainless Steel, Add	*23.10*	
07 71 23 00-0257		**Half Round, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	112.92	
		For 316 Stainless Steel, Add	*38.22*	
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	138.05	
		For 316 Stainless Steel, Add	*47.44*	
07 71 23 00-0260		**Box-Style, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	53.45	
		For 316 Stainless Steel, Add	*15.62*	
07 71 23 00-0262	EA	6", Box-Style Stainless Steel Gutter Miter	86.15	
		For 316 Stainless Steel, Add	*27.72*	
07 71 23 00-0263	EA	7", Box-Style Stainless Steel Gutter Miter	99.15	
		For 316 Stainless Steel, Add	*32.34*	
07 71 23 00-0264	EA	8", Box-Style Stainless Steel Gutter Miter	112.29	
		For 316 Stainless Steel, Add	*36.96*	
07 71 23 00-0265		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0228)*		
07 71 23 00-0266	EA	3" Diameter, Round Stainless Steel Wire Strainer	46.06	3.06
07 71 23 00-0267	EA	4" Diameter, Round Stainless Steel Wire Strainer	47.15	3.06
07 71 23 00-0268		**Stainless Steel Downspouts** *(07 71 23 00-0228)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269		**Round Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0270	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	16.88	2.93
		For Up To 100', Add	*2.17*	
		For >100 To 250', Add	*1.00*	
		For >1,000', Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*5.21*	
		For 24 Gauge, Add	*4.52*	
		For 22 Gauge, Add	*9.04*	
		For 20 Gauge, Add	*13.56*	
07 71 23 00-0271	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	22.19	2.93
		For Up To 100', Add	*2.70*	
		For >100 To 250', Add	*1.27*	
		For >1,000', Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*7.22*	
		For 24 Gauge, Add	*6.27*	
		For 22 Gauge, Add	*12.55*	
		For 20 Gauge, Add	*18.82*	
07 71 23 00-0272	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	32.22	2.93
		For Up To 100', Add	*3.70*	
		For >100 To 250', Add	*1.77*	
		For >1,000', Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*11.04*	
		For 24 Gauge, Add	*9.58*	
		For 22 Gauge, Add	*19.17*	
		For 20 Gauge, Add	*28.75*	
07 71 23 00-0273		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0268)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0274	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	17.27	2.93
		For Up To 100', Add	*2.20*	
		For >100 To 250', Add	*1.02*	
		For >1,000', Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*5.35*	
		For 24 Gauge, Add	*4.65*	
		For 22 Gauge, Add	*9.30*	
		For 20 Gauge, Add	*13.95*	
		For 18 Gauge, Add	*23.39*	
07 71 23 00-0275	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	22.99	2.93
		For Up To 100', Add	*2.78*	
		For >100 To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*7.53*	
		For 24 Gauge, Add	*6.54*	
		For 22 Gauge, Add	*13.07*	
		For 20 Gauge, Add	*19.61*	
		For 18 Gauge, Add	*32.88*	
07 71 23 00-0276	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	29.67	2.93
		For Up To 100', Add	*3.44*	
		For >100 To 250', Add	*1.64*	
		For >1,000', Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*10.07*	
		For 24 Gauge, Add	*8.74*	
		For 22 Gauge, Add	*17.48*	
		For 20 Gauge, Add	*26.23*	
		For 18 Gauge, Add	*43.97*	

07 71 23 00-0277 Stainless Steel Devices *(07 71 23 00-0228)*

07 71 23 00-0278	EA	Thru-Wall Stainless Steel Scupper Outlet	271.66	27.50
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0279	EA	Stainless Steel Leader/Conductor Head	486.46	27.50
		For 316 Stainless Steel, Add	*161.64*	

07 71 23 00-0280 Vinyl Gutters And Downspouts *(07 71 23)*

07 71 23 00-0281 Vinyl Gutters *(07 71 23 00-0280)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0282 K-Style Vinyl Gutters *(07 71 23 00-0281)*

07 71 23 00-0283	LF	4", K-Style Vinyl Gutter	11.76	3.06
		For Up To 100', Add	*1.94*	
		For >100' To 250', Add	*0.84*	
		For >1,000', Deduct	*-0.51*	
07 71 23 00-0284	LF	5", K-Style Vinyl Gutter	15.19	3.06
		For Up To 100', Add	*2.28*	
		For >100' To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.51*	

07 71 23 00-0285 Half Round Vinyl Gutters *(07 71 23 00-0281)*

07 71 23 00-0286	LF	4", Half Round Vinyl Gutter	12.15	3.06
		For Up To 100', Add	*1.98*	
		For >100' To 250', Add	*0.86*	
		For >1,000', Deduct	*-0.51*	
07 71 23 00-0287	LF	5", Half Round Vinyl Gutter	12.78	3.06
		For Up To 100', Add	*2.04*	
		For >100' To 250', Add	*0.89*	
		For >1,000', Deduct	*-0.51*	

07 71 23 00-0288 Vinyl Gutter End Caps *(07 71 23 00-0280)*

07 71 23 00-0289 K-Style, Vinyl Gutter End Caps *(07 71 23 00-0288)*

07 71 23 00-0290	EA	4", K-Style Vinyl Gutter End Cap	7.29
07 71 23 00-0291	EA	5", K-Style Vinyl Gutter End Cap	10.14

07 71 23 00-0292 Half Round, Vinyl Gutter End Caps *(07 71 23 00-0288)*

07 71 23 00-0293	EA	4", Half Round Vinyl Gutter End Cap	8.34
07 71 23 00-0294	EA	5", Half Round Vinyl Gutter End Cap	7.87

07 71 23 00-0295 Vinyl Gutter Miters *(07 71 23 00-0280)*

Note: Inside or outside miters.

07 71 23 00-0296 K-Style, Vinyl Gutter Miters *(07 71 23 00-0295)*

07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	18.18
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	27.38

07 71 23 00-0299 Half Round, Vinyl Gutter Miters *(07 71 23 00-0295)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	18.18	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	19.77	
07 71 23 00-0302		**Vinyl Downspouts** *(07 71 23 00-0280)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		**Round Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout	7.73	2.93
		For Up To 100', Add	*1.25*	
		For >100 To 250', Add	*0.55*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout	8.07	2.93
		For Up To 100', Add	*1.28*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0306		**Square Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout	7.59	2.93
		For Up To 100', Add	*1.24*	
		For >100 To 250', Add	*0.54*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0308		**Rectangular Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	9.74	2.93
		For Up To 100', Add	*1.45*	
		For >100 To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.32*	
07 71 23 00-0310		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0311		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)*		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	337.76	4.40
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	440.52	4.40
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	525.97	4.40
07 71 23 00-0315		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0310)*		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	584.18	4.40
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	713.86	4.40
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,296.24	4.40
07 71 23 00-0319		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0320	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,164.22	28.55
		For Polished Brass Finish (-PB), Add	*110.71*	
		For Chrome Plated Finish (-CP), Add	*166.07*	
		For Vandal Proof (-U), Add	*55.36*	
07 71 23 00-0321	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,183.26	38.06
		For Polished Brass Finish (-PB), Add	*110.71*	
		For Chrome Plated Finish (-CP), Add	*166.07*	
		For Vandal Proof (-U), Add	*55.36*	
07 71 23 00-0322	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,271.67	51.19
		For Polished Brass Finish (-PB), Add	*116.93*	
		For Chrome Plated Finish (-CP), Add	*175.40*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0323	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,354.82	64.63
		For Polished Brass Finish (-PB), Add	*122.56*	
		For Chrome Plated Finish (-CP), Add	*183.83*	
		For Vandal Proof (-U), Add	*61.28*	
07 71 23 00-0324	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,456.08	79.63
		For Polished Brass Finish (-PB), Add	*129.68*	
		For Chrome Plated Finish (-CP), Add	*194.53*	
		For Vandal Proof (-U), Add	*64.84*	
07 71 23 00-0325	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,597.94	111.16
		For Polished Brass Finish (-PB), Add	*137.56*	
		For Chrome Plated Finish (-CP), Add	*206.34*	
		For Vandal Proof (-U), Add	*68.78*	
07 71 23 00-0326	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,762.49	154.60
		For Polished Brass Finish (-PB), Add	*145.33*	
		For Chrome Plated Finish (-CP), Add	*218.00*	
		For Vandal Proof (-U), Add	*72.67*	
07 71 23 00-0327		**Wall Mounted Downspout Nozzle** *(07 71 23)*		
07 71 23 00-0328	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	296.09	28.55
		For Nickel Bronze Finish (-NB), Add	*167.30*	
		For Polished Bronze Finish (-PB), Add	*131.45*	
		For Chrome Plated Finish (-CP), Add	*212.71*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0329		EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	315.13	38.06
			For Nickel Bronze Finish (-NB), Add	*167.30*	
			For Polished Bronze Finish (-PB), Add	*131.45*	
			For Chrome Plated Finish (-CP), Add	*212.71*	
07 71 23 00-0330		EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	669.33	51.19
			For Nickel Bronze Finish (-NB), Add	*170.09*	
			For Polished Bronze Finish (-PB), Add	*96.38*	
			For Chrome Plated Finish (-CP), Add	*249.46*	
07 71 23 00-0331		EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	989.89	64.63
			For Nickel Bronze Finish (-NB), Add	*146.31*	
			For Polished Bronze Finish (-PB), Add	*111.88*	
			For Chrome Plated Finish (-CP), Add	*249.58*	
07 71 23 00-0332		EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,276.56	79.63
			For Nickel Bronze Finish (-NB), Add	*189.94*	
			For Polished Bronze Finish (-PB), Add	*145.25*	
			For Chrome Plated Finish (-CP), Add	*324.02*	
07 71 23 00-0333		EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,627.95	111.16
			For Nickel Bronze Finish (-NB), Add	*238.96*	
			For Polished Bronze Finish (-PB), Add	*182.73*	
			For Chrome Plated Finish (-CP), Add	*407.63*	
07 71 23 00-0334			**Leaf Guards And Cleaning** *(07 71 23)*		
07 71 23 00-0335		LF	Aluminum Mesh Gutter Leaf Guard	3.88	0.87
			For Up To 100', Add	*0.65*	
			For >100' To 250', Add	*0.28*	
			For >1,000', Deduct	*-0.17*	
07 71 23 00-0336		LF	Vinyl Mesh Gutter Leaf Guard	2.92	0.87
			For Up To 100', Add	*0.55*	
			For >100' To 250', Add	*0.23*	
			For >1,000', Deduct	*-0.17*	
07 71 23 00-0337		LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.67	1.09
			For Up To 100', Add	*2.00*	
			For >100' To 250', Add	*0.94*	
			For >1,000', Deduct	*-0.22*	
07 71 23 00-0338		LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	23.94	1.09
			For Up To 100', Add	*2.72*	
			For >100' To 250', Add	*1.31*	
			For >1,000', Deduct	*-0.22*	
07 71 23 00-0339		LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	12.68	1.09
			For Up To 100', Add	*1.53*	
			For >100' To 250', Add	*0.72*	
			For >1,000', Deduct	*-0.17*	
07 71 23 00-0340		LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	19.65	1.09
			For Up To 100', Add	*2.22*	
			For >100' To 250', Add	*1.07*	
			For >1,000', Deduct	*-0.17*	
07 71 23 00-0341		EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	170.02	
07 71 23 00-0342		LF	Cleanout Roof Gutters And Downspouts	1.99	
07 71 26			**Reglets** *(07 71)*		
07 71 26 00-0001			**Counter Flashing With Reglet** *(07 71 26)* Note: Includes reglet cut.		
07 71 26 00-0002			**Galvanized Steel Counter Flashing With Reglet** *(07 71 26 00-0001)*		
07 71 26 00-0003			**Galvanized Steel Counter Flashing With Reglet** *(07 71 26 00-0002)*		
07 71 26 00-0004		LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.54	5.54
07 71 26 00-0005		LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.69	5.54
07 71 26 00-0006		LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.95	5.54
07 71 26 00-0007		LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.94	5.54
07 71 26 00-0008		LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.50	5.54
07 71 26 00-0009		LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.15	5.54
07 71 26 00-0010			**KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet** *(07 71 26 00-0002)*		
07 71 26 00-0011		LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	18.99	5.54
07 71 26 00-0012		LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.21	5.54
07 71 26 00-0013		LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.59	5.54
07 71 26 00-0014		LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.03	5.54
07 71 26 00-0015		LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.85	5.54
07 71 26 00-0016		LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.79	5.54
07 71 26 00-0017			**Aluminum Counter Flashing With Reglet** *(07 71 26 00-0001)*		
07 71 26 00-0018			**KYNAR 500® Finish, Aluminum Counter Flashing With Reglet** *(07 71 26 00-0017)*		
07 71 26 00-0019		LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.97	5.54
07 71 26 00-0020		LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.74	5.54
07 71 26 00-0021		LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.52	5.54
07 71 26 00-0022		LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.07	5.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.32	5.54
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	21.13	5.54
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.20	5.54
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.69	5.54
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.19	5.54
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.54	5.54
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.34	5.54
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.49	5.54
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.61	5.54
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.32	5.54
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.04	5.54
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.56	5.54
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.71	5.54
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	20.38	5.54
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	20.82	5.54
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.12	5.54
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.55	5.54
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0045		Copper Counter Flashing With Reglet *(07 71 26 00-0044)*		
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	54.08	5.54

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,003.11	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,018.67	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*40.24*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,106.14	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,165.77	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-67.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.25*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,209.85	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,465.86	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-111.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-15.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*25.57*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,023.85	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.89*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,108.73	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-64.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*25.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*62.36*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,142.44	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,155.40	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,424.37	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,558.51	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*31.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.21*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,228.00	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,341.40	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-99.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-11.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*31.39*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,369.92	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,504.06	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-41.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.43*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,614.87	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,746.41	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-190.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-54.78*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*18.27*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,369.92	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,475.54	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,612.27	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-187.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-51.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-19.47*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,638.20	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,774.94	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-236.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-128.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.79*	
07 72 13 00-0028		12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,036.82	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,044.60	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*40.24*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.06	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,199.48	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-67.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.25*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,248.74	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,496.97	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-111.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-15.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*25.57*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,047.19	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.89*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,178.74	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-64.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*25.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*62.36*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,230.59	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,290.23	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,465.86	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,610.37	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*31.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.21*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,259.12	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,367.33	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-99.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-11.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*31.39*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,408.81	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,545.55	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-41.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.43*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,664.13	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,803.46	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-190.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-54.78*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*18.27*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,408.81	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,517.03	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,656.35	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-187.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-81.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-19.47*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,690.06	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*290.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,831.98	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*314.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-236.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-128.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.79*	
07 72 13 00-0052		14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,054.97	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,062.75	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*40.24*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,145.03	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,220.22	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-67.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.25*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,277.27	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,533.27	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-111.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-15.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*25.57*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,062.75	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.89*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,145.03	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-64.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*25.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*62.36*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,277.27	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,339.50	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,496.97	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,644.08	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*31.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,279.86	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,293.19	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-99.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-11.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*31.39*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,434.74	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,576.66	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*271.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-41.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.43*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,695.25	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*291.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,839.76	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-190.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-54.78*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*18.27*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,434.74	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,545.55	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,690.06	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*290.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-187.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-81.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-19.47*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,723.77	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,870.87	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*322.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-236.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-128.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.79*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	974.59	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,008.29	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*40.24*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,152.81	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,230.59	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-67.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.25*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,287.64	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,574.76	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-111.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-15.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*25.57*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,070.52	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.89*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,173.55	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-64.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*25.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*62.36*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,199.48	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,222.82	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,512.53	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,662.23	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*31.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.21*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,290.23	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,406.22	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-99.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-11.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*31.39*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,447.71	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*249.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,592.22	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-41.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,710.80	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,857.91	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*319.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-190.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-54.78*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*18.27*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,447.71	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*249.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,558.51	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,705.62	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*293.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-187.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-81.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-19.47*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,741.92	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*300.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,891.62	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*326.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-236.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-128.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.79*	
07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	997.92	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,036.82	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*40.24*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,191.70	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,277.27	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-67.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.25*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,347.27	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,585.13	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-111.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-15.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*25.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,104.23	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.89*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,215.04	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-64.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*25.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*62.36*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,248.74	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,279.86	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,574.76	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,737.42	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*31.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.21*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,336.90	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,458.08	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-99.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-11.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*31.39*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,507.34	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,654.45	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-41.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.43*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,783.41	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,940.88	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*336.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-190.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-54.78*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*18.27*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,507.34	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,625.93	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*281.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,778.22	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*307.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-187.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-81.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-19.47*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,817.11	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*315.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,979.78	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*344.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-236.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-128.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.79*	
07 72 13 00-0125		14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,016.07	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,057.56	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.76*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*40.24*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,215.04	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,308.38	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-67.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*29.21*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.25*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,386.17	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,668.10	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*293.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-111.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-15.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*25.57*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,130.16	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*135.89*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,259.12	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-64.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*25.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*62.36*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,305.79	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,316.16	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,621.43	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,789.28	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*314.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*31.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.64*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*214.21*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,368.02	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,372.69	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-99.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-11.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*31.39*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,546.24	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,701.12	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-41.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.43*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,830.08	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,997.93	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*148.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*347.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-190.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-54.78*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*18.27*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,546.24	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,672.60	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*290.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,822.30	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-187.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-81.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-19.47*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,868.97	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*325.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,036.82	414.38
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*151.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*355.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-236.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-128.71*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0149		Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150		6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	958.50	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.82*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,101.00	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.32*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,259.94	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.13*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,373.72	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.88*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,519.58	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.07*	
07 72 13 00-0156		12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,167.16	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.56*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,360.56	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.24*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,445.70	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.28*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,518.41	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.82*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,699.88	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*300.13*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,669.51	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*223.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*490.07*	
07 72 13 00-0163		18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,509.97	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.12*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,707.72	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*138.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*309.67*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,022.25	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*166.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*368.59*	
07 72 13 00-0167		High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*		
07 72 13 00-0168	EA	38-1/2" Square Outside Dimensions, 24" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G24)	1,324.13	119.54
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.87*	
07 72 13 00-0169	EA	38-1/2" Square Outside Dimensions, 27" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G27)	1,408.28	119.54
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0170		**Wood, Prefabricated Roof Curbs** *(07 72 13)*		
		Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0171		**Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0170)*		
07 72 13 00-0172		**2 x 6 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0171)*		
07 72 13 00-0173	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	811.54	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*130.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0174	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	904.12	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*144.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0175	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	959.98	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0176	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	953.54	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0177	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	968.57	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*157.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0178	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,084.79	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0179	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	964.28	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*157.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0180	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,104.13	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0181	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,263.51	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0182	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,065.45	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0183	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,170.92	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0184	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,306.48	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0185		**2 x 8 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0171)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0186	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	824.43	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*133.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0187	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	919.16	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*147.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0188	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,000.80	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0189	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	979.32	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0190	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,000.80	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0191	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,117.02	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0192	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	987.91	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0193	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,134.20	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0194	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,293.58	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0195	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,089.09	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0196	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,198.86	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0197	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,336.55	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	

07 72 13 00-0198 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

07 72 13 00-0199	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	833.02	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0200	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	934.20	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0201	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,005.10	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0202	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	994.36	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0203	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,020.14	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0204	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,138.50	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0205	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,002.95	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0206	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,153.54	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0207	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,312.92	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0208	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,104.13	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0209	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,216.04	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0210	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,358.04	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0211		2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*		
07 72 13 00-0212	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	843.77	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0213	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	942.79	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0214	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,024.44	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0215	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,041.62	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0216	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,162.13	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0217	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,022.29	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0218	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,175.03	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0219	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,338.70	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0220	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,233.23	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0221		Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0170)*		
07 72 13 00-0222		2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*		
07 72 13 00-0223	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	828.73	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*133.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0224	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	919.16	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*147.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0225	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	987.91	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0226	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	972.87	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0227	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	992.21	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0228	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,110.57	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0229	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	983.61	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0230	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,127.76	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0231	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,287.14	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0232	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,091.23	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0233	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,194.56	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0234	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,336.55	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0235		2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*		
07 72 13 00-0236	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	843.77	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0237	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	936.35	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0238	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,013.69	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0239	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	998.65	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0240	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,026.58	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0241	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,149.24	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0242	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,013.69	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0243	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,164.28	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0244	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,327.96	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0245	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,119.17	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0246	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,226.79	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0247	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,373.08	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0248		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*		
07 72 13 00-0249	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	856.66	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*139.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0250	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	953.54	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0251	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,039.48	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0252	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,017.99	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*14.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*44.88*	
07 72 13 00-0253	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,052.37	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0254	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,177.17	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0255	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,033.03	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0256	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,187.92	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0257	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,353.74	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0258	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,140.65	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*97.33*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*178.97*	
07 72 13 00-0259	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,250.42	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0260	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,401.01	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*39.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*144.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*252.02*	
07 72 13 00-0261		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*		
07 72 13 00-0262	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	882.44	255.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*144.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-33.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.02*	
07 72 13 00-0263	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	966.43	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*157.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-50.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.64*	
07 72 13 00-0264	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,058.81	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*124.94*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.83*	
07 72 13 00-0265	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,073.85	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*19.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*123.11*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*151.04*	
07 72 13 00-0266	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,258.82	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*25.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*139.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*182.62*	
07 72 13 00-0267	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,095.34	286.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-82.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.37*	
07 72 13 00-0268	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,263.11	318.76
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-42.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.18*	
07 72 13 00-0269	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,439.68	382.50
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*153.51*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*207.22*	
07 72 13 00-0270	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,329.91	350.64
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-144.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-38.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*27.74*	
07 72 13 00-0271		Penetration Seals (ChemLink) *(07 72 13)*		
07 72 13 00-0272		ChemCurb Penetration Seals (ChemLink ChemCurb) *(07 72 13 00-0271)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0273	EA	5" Inside Diameter Penetration Seals (ChemLink ChemCurb System) Note: Includes 5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant	131.11	
07 72 13 00-0274	EA	7-1/2" Inside Diameter Penetration Seals (ChemLink ChemCurb System) Note: Includes 7.5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant	211.95	
07 72 13 00-0275		E-Curb Penetration Seals (ChemLink E-Curb) *(07 72 13 00-0271)*		
07 72 13 00-0276	EA	3" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 3-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	60.00	
07 72 13 00-0277	EA	4" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 4-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	73.62	
07 72 13 00-0278	EA	5" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 5-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	97.15	
07 72 13 00-0279	EA	6" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 6-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	102.54	
07 72 13 00-0280	EA	9" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 9-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	138.26	
07 72 13 00-0281		ChemCurb And E-Curb Penetration Seals Accessories *(07 72 13 00-0271)*		
07 72 13 00-0282	EA	5" Long ChemCurb Straight Piece For Penetration Seals (ChemLink) Note: For use with ChemCurb seals too make oval/rectangular curbs.	43.86	
07 72 13 00-0283	EA	12" Long ChemCurb Straight Piece For Penetration Seals (ChemLink) Note: For use with ChemCurb seals too make oval/rectangular curbs.	48.93	
07 72 13 00-0284	EA	8" Long E-Curb Straight Piece For Penetration Seals (ChemLink) Note: For use with E-Curb seals too make rectangular or "L" shaped curbs.	19.39	
07 72 13 00-0285	EA	1/2 Gallon, 1-Part Pourable Penetration Sealant (ChemLink SS-Chem-F1426) Note: For use with ChemCurb and E-Curb seals.	79.24	
07 72 13 00-0286	EA	10.1 oz, M-1 Structural Adhesive/Sealant (ChemLink SS-Chem-F1270) Note: For use with ChemCurb and E-Curb seals.	24.78	
07 72 23		**Relief Vents** *(07 72)*		
07 72 23 00-0001		Wind Driven Turbine Ventilators *(07 72 23)* Note: Excludes curb or flange base.		
07 72 23 00-0002		Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*		
07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	188.23	34.15
		For Curb Or Flange Base, Add	*205.10*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	226.57	37.81
		For Curb Or Flange Base, Add	*225.08*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	243.45	45.13
		For Curb Or Flange Base, Add	*249.24*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	476.98	50.01
		For Curb Or Flange Base, Add	*409.75*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	660.22	56.10
		For Curb Or Flange Base, Add	*443.18*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	798.40	60.98
		For Curb Or Flange Base, Add	*481.28*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,022.16	68.30
		For Curb Or Flange Base, Add	*591.58*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,694.02	91.47
		For Curb Or Flange Base, Add	*977.85*	
07 72 23 00-0011		Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*		
07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	181.17	34.15
		For Curb Or Flange Base, Add	*212.24*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	226.93	37.81
		For Curb Or Flange Base, Add	*233.39*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	253.38	45.13
		For Curb Or Flange Base, Add	*257.45*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	459.52	50.01
		For Curb Or Flange Base, Add	*452.16*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	595.23	56.10
		For Curb Or Flange Base, Add	*482.17*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	755.76	60.98
		For Curb Or Flange Base, Add	*544.52*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,024.05	68.30
		For Curb Or Flange Base, Add	*659.76*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,528.08	91.47
		For Curb Or Flange Base, Add	*996.70*	
07 72 23 00-0020		Stationary Siphon Ventilators *(07 72 23)* Note: Excludes curb or flange base.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	157.61	34.15
		For Curb Or Flange Base, Add	*205.10*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	209.06	37.81
		For Curb Or Flange Base, Add	*225.08*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	229.10	45.13
		For Curb Or Flange Base, Add	*249.24*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	398.42	50.01
		For Curb Or Flange Base, Add	*409.75*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	461.40	56.10
		For Curb Or Flange Base, Add	*443.18*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	657.89	60.98
		For Curb Or Flange Base, Add	*481.28*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	859.31	68.30
		For Curb Or Flange Base, Add	*591.58*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,247.30	91.47
		For Curb Or Flange Base, Add	*977.85*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	173.82	34.15
		For Curb Or Flange Base, Add	*212.24*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	231.33	37.81
		For Curb Or Flange Base, Add	*233.39*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	257.07	45.13
		For Curb Or Flange Base, Add	*257.45*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	424.90	50.01
		For Curb Or Flange Base, Add	*452.16*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	536.41	56.10
		For Curb Or Flange Base, Add	*482.17*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	660.17	60.98
		For Curb Or Flange Base, Add	*544.52*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	950.55	68.30
		For Curb Or Flange Base, Add	*659.76*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,434.12	91.47
		For Curb Or Flange Base, Add	*996.70*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	346.88	54.88
		For Backdraft Damper, Add	*199.65*	
		For Curb Base, Add	*279.85*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	431.97	60.98
		For Backdraft Damper, Add	*218.44*	
		For Curb Base, Add	*305.90*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	485.95	73.18
		For Backdraft Damper, Add	*298.30*	
		For Curb Base, Add	*389.16*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	598.21	80.50
		For Backdraft Damper, Add	*340.58*	
		For Curb Base, Add	*452.27*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,657.89	109.78
		For Backdraft Damper, Add	*427.49*	
		For Curb Base, Add	*594.31*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,029.42	126.85
		For Backdraft Damper, Add	*505.00*	
		For Curb Base, Add	*711.81*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,782.88	146.36
		For Backdraft Damper, Add	*505.00*	
		For Curb Base, Add	*736.04*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,943.15	158.56
		For Backdraft Damper, Add	*528.49*	
		For Curb Base, Add	*760.57*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,711.80	170.76
		For Backdraft Damper, Add	*587.21*	
		For Curb Base, Add	*857.93*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	664.90	60.98
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	774.09	80.50
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,118.54	109.78
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,764.21	126.85

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	15.47	3.54
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	57.14	21.99
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	52.54	21.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 26 00-0005		Galvanized Ridge Vents *(07 72 26)*		
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	14.05	3.78
07 72 29		**Rafter Vent** *(07 72)*		
07 72 29 00-0001		Rafter Vent *(07 72 29)*		
		Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA	22" x 4' Rafter Vent	10.49	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	9.42	
07 72 33		**Roof Hatches** *(07 72)*		
		Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001		Galvanized Steel Cover And Curb *(07 72 33)*		
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,500.00	159.01
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,222.38	176.67
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,950.95	240.94
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,194.20	176.67
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,477.48	196.33
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,084.19	267.77
07 72 33 00-0008		Aluminum Cover And Curb *(07 72 33)*		
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,263.58	159.01
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,640.26	176.67
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,975.75	240.94
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,604.23	176.67
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,851.96	196.33
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,136.10	267.77
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,797.17	176.67
07 72 33 00-0016		Steel, Plain, Primed *(07 72 33)*		
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,435.96	159.01
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,956.38	176.67
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,680.55	240.94
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,816.05	176.67
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,233.51	196.33
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	3,035.12	267.77
07 72 33 00-0023		Stainless Steel *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,045.74	159.01
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,848.01	176.67
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,797.92	240.94
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,689.91	176.67
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,937.44	196.33
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,123.75	267.77
07 72 33 00-0030		Removal And Reinstallation Of Roof Hatch *(07 72 33)*		
		Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	489.08	
07 72 33 00-0032		Aluminum Cover And Galvanized Steel Curb *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,224.35	176.67
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,601.02	196.33
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,873.74	267.66
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,572.84	182.20
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,765.64	201.85
07 72 33 00-0038		Roof Hatch Accessories *(07 72 33)*		
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	944.01	82.82
07 72 33 00-0040		Roof Hatch Safety Railing *(07 72 33)*		
		Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,027.28	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,104.41	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,157.63	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,348.55	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,568.85	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,288.35	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		Fire Vent *(07 72 36)*		
07 72 36 00-0002		Galvanized Steel Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,026.76	147.31
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,621.92	202.51
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,271.64	220.95
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,373.59	232.00
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,256.51	202.51
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,650.07	220.95
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,019.21	239.39
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,998.29	257.83
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,941.06	276.16
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,641.06	239.39
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	14,042.96	294.60
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,641.97	313.04
07 72 36 00-0015		Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,763.22	147.31
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,167.77	202.51
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,564.17	220.95
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,690.59	232.00
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,583.65	202.51
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,576.42	220.95
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,894.34	239.39
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,765.00	257.83
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,691.55	276.16
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,619.70	239.39
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,775.04	294.60
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,533.95	313.04
07 72 36 00-0028		Aluminum Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,014.32	147.31
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,583.65	202.51
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,932.97	220.95
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,161.40	232.00
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,771.98	202.51
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,772.59	220.95
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,066.97	239.39
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,235.81	257.83
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,354.14	276.16
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,839.41	239.39
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,583.27	294.60
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,004.76	313.04
07 72 36 00-0041		Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,982.93	146.86
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,779.81	202.51
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,996.61	232.00
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,289.87	202.51
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,529.62	257.83
07 72 46		**Roof Walkways** *(07 72)*		
07 72 46 00-0001		Recycled Rubber Walkway Pads *(07 72 46)*		
07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	12.73	3.02
		For Diamond Surface, Add	*1.13*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	14.17	3.62
		For Diamond Surface, Add	*1.32*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	15.65	3.62
		For Diamond Surface, Add	*1.47*	
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		Rooftop Oil And Grease Containment System *(07 72 63)*		
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,148.01	248.80
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,515.75	248.80
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,308.80	258.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,287.78	258.76
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,595.41	279.91
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,371.01	279.91
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	4,873.35	331.66
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,171.57	414.63
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	8,895.17	414.63
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,259.88	414.63
07 72 63 00-0013		Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	3,867.83	248.80
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,346.04	248.80
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,365.05	258.76
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,459.66	258.76
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	7,786.71	279.91
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,538.17	279.91
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	7,942.21	331.66
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	8,947.72	414.63
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,191.56	414.63
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,265.68	414.63
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	258.99	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	364.10	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	521.73	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	481.63	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	902.02	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	912.52	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	704.28	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	914.47	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,340.12	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,765.77	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	540.39	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	719.07	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,044.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	973.23	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,871.82	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,882.32	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,395.55	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,884.27	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,761.83	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,676.19	

07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	671.77	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	834.68	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,223.53	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,157.15	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,255.42	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,244.92	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,637.30	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,267.87	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,182.23	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,427.65	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.18	0.62
		For No Adhesive, Deduct	*-0.93*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.71	0.68
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.97	0.74
		For No Adhesive, Deduct	*-0.98*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.24	0.62
		For No Adhesive, Deduct	*-0.93*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.80	0.68
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.06	0.74
		For No Adhesive, Deduct	*-0.98*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.02	0.62
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.58	0.68
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.86	0.74
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.08	0.62
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.67	0.68
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.95	0.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0016		Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.01	0.62
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.55	0.68
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.20*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.81	0.74
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.07	0.62
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.64	0.68
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.10*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.20*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.89	0.74
		For Mechanically Fastened To Concrete, Add	*1.67*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.27*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.11*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001		Roof Pavers *(07 76 16)*		
		Note: For walkway application over roofing system.		
07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	12.86	7.85
		For 1-1/2" Thickness, Deduct	*-1.29*	
		For 2-1/2" Thickness, Add	*1.42*	
		For 3" Thickness, Add	*2.83*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	11.51	5.92
		For 1-1/2" Thickness, Deduct	*-1.15*	
		For 2-1/2" Thickness, Add	*1.27*	
		For 3" Thickness, Add	*2.55*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	10.77	4.71
		For 1-1/2" Thickness, Deduct	*-1.08*	
		For 2-1/2" Thickness, Add	*1.19*	
		For 3" Thickness, Add	*2.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	10.33	4.11
		For 1-1/2" Thickness, Deduct	*-1.03*	
		For 2-1/2" Thickness, Add	*1.14*	
		For 3" Thickness, Add	*2.29*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	9.78	3.74
		For 1-1/2" Thickness, Deduct	*-0.98*	
		For 2-1/2" Thickness, Add	*1.08*	
		For 3" Thickness, Add	*2.16*	
07 76 16 00-0007		Roof Paver Pedestal *(07 76 16)*		
07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	26.12	1.24
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	27.36	1.24
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	28.61	1.24
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	14.50	1.24
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	12.95	1.24
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	13.26	1.24
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	7.46	1.24
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	9.95	1.24
07 76 16 00-0016		Roof Paver *(07 76 16)* Note: For walkway application over roofing system.		
07 76 16 00-0017	EA	2" Thick, 48" x 48" Nonimal, Reinforced Precast Concrete Pavers Note: Custom color and finish to match existing	895.56	
07 76 19		**Composite Insulation Concrete Protection Board** *(07 76)* Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0001		Composite Insulation Concrete Protection Board *(07 76 19)* Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	6.17	
		For 20 Year Warranty, Deduct	*-0.36*	
		For 15 Year Warranty, Deduct	*-0.73*	
		For 10 Year Warranty, Deduct	*-0.99*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	8.04	
		For 20 Year Warranty, Deduct	*-0.52*	
		For 15 Year Warranty, Deduct	*-1.04*	
		For 10 Year Warranty, Deduct	*-1.40*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	9.44	
		For 20 Year Warranty, Deduct	*-0.60*	
		For 15 Year Warranty, Deduct	*-1.20*	
		For 10 Year Warranty, Deduct	*-1.63*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	11.40	
		For 20 Year Warranty, Deduct	*-0.75*	
		For 15 Year Warranty, Deduct	*-1.51*	
		For 10 Year Warranty, Deduct	*-2.04*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001		Monokote Fireproofing *(07 81 16)*		
07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.30	0.79
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.19	1.17
07 81 16 00-0004		Gunite Fireproofing *(07 81 16)*		
07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.05	0.70
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	4.32	0.70

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001		Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*		
07 81 23 00-0002		Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	17.24	
		For >10,000, Deduct	*-1.67*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	27.86	
		For >10,000, Deduct	*-2.72*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0005		Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.06	
		For >10,000, Deduct	*-1.04*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	24.91	
		For >10,000, Deduct	*-2.43*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	56.80	
		For >10,000, Deduct	*-5.61*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	78.31	
		For >10,000, Deduct	*-7.76*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	99.84	
		For >10,000, Deduct	*-9.91*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	121.39	
		For >10,000, Deduct	*-12.06*	
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	22.68	
		For >10,000, Deduct	*-2.21*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	42.42	
		For >10,000, Deduct	*-4.18*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	67.53	
		For >10,000, Deduct	*-6.68*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	94.42	
		For >10,000, Deduct	*-9.37*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	119.53	
		For >10,000, Deduct	*-11.88*	
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)* Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	10.92	
		For >10,000, Deduct	*-1.05*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	25.16	
		For >10,000, Deduct	*-2.47*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	57.99	
		For >10,000, Deduct	*-5.75*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	80.11	
		For >10,000, Deduct	*-7.96*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	102.25	
		For >10,000, Deduct	*-10.17*	
07 81 33		**Mineral-Fiber Fireproofing** *(07 81)*		
07 81 33 00-0001		Cellulose Fireproofing *(07 81 33)*		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.65	0.70
07 84		**Firestopping** *(07 80)*		
07 84 13		**Penetration Firestopping** *(07 84)*		
07 84 13 16		**Penetration Firestopping Devices** *(07 84 13)*		
07 84 13 16-0001		Firestopping Systems For Cable Penetrations *(07 84 13 16)*		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)* Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	67.17	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	92.06	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	152.63	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)* Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	127.30	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	226.44	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	418.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0010		3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	287.83	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	265.83	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	274.19	
07 84 13 16-0014		Intumescent Firestopping Pipe Collar *(07 84 13 16)*		
07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	42.10	11.48
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	51.32	11.48
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	59.86	12.63
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	94.96	14.35
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	479.05	17.22
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	619.68	18.94
07 84 13 16-0021		Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*		
		Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	164.72	
		Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	175.28	
		Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	352.14	
		Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	221.72	
		Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026		Intumescent Firestopping Wrap Strips *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	7.06	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)*		
		Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	21.89	
		For Intumescent Sealant For Plastic Pipe, Add	*0.08*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.08	
		For Intumescent Sealant For Plastic Pipe, Add	*0.42*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	26.81	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	26.37	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.52	
		For Intumescent Sealant For Plastic Pipe, Add	*0.89*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.26	
		For Intumescent Sealant For Plastic Pipe, Add	*0.79*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.82	
		For Intumescent Sealant For Plastic Pipe, Add	*0.61*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.14	
		For Intumescent Sealant For Plastic Pipe, Add	*0.34*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	29.55	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.45	
		For Intumescent Sealant For Plastic Pipe, Add	*1.50*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.19	
		For Intumescent Sealant For Plastic Pipe, Add	*1.40*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.75	
		For Intumescent Sealant For Plastic Pipe, Add	*1.22*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.06	
		For Intumescent Sealant For Plastic Pipe, Add	*0.94*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	36.49	
		For Intumescent Sealant For Plastic Pipe, Add	*0.72*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.11	
		For Intumescent Sealant For Plastic Pipe, Add	*0.16*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	53.49	
		For Intumescent Sealant For Plastic Pipe, Add	*4.04*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.74	
		For Intumescent Sealant For Plastic Pipe, Add	*2.14*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.30	
		For Intumescent Sealant For Plastic Pipe, Add	*1.97*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.61	
		For Intumescent Sealant For Plastic Pipe, Add	*1.69*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.03	
		For Intumescent Sealant For Plastic Pipe, Add	*1.46*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.66	
		For Intumescent Sealant For Plastic Pipe, Add	*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	43.88	
		For Intumescent Sealant For Plastic Pipe, Add	*0.20*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	72.89	
		For Intumescent Sealant For Plastic Pipe, Add	*7.46*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	72.40	
		For Intumescent Sealant For Plastic Pipe, Add	*7.27*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	71.62	
		For Intumescent Sealant For Plastic Pipe, Add	*6.96*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	70.39	
		For Intumescent Sealant For Plastic Pipe, Add	*6.46*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	69.34	
		For Intumescent Sealant For Plastic Pipe, Add	*6.04*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	61.25	
		For Intumescent Sealant For Plastic Pipe, Add	*2.81*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.47	
		For Intumescent Sealant For Plastic Pipe, Add	*2.10*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	56.77	
		For Intumescent Sealant For Plastic Pipe, Add	*1.02*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	118.96	
		For Intumescent Sealant For Plastic Pipe, Add	*17.22*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	118.48	
		For Intumescent Sealant For Plastic Pipe, Add	*17.02*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	117.70	
		For Intumescent Sealant For Plastic Pipe, Add	*16.71*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	116.47	
		For Intumescent Sealant For Plastic Pipe, Add	*16.22*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	115.43	
		For Intumescent Sealant For Plastic Pipe, Add	*15.80*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	112.95	
		For Intumescent Sealant For Plastic Pipe, Add	*14.81*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	109.75	
		For Intumescent Sealant For Plastic Pipe, Add	*13.53*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	104.89	
		For Intumescent Sealant For Plastic Pipe, Add	*11.59*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	86.60	
		For Intumescent Sealant For Plastic Pipe, Add	*4.27*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	160.16	
		For Intumescent Sealant For Plastic Pipe, Add	*27.19*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	155.29	
		For Intumescent Sealant For Plastic Pipe, Add	*25.24*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	145.54	
		For Intumescent Sealant For Plastic Pipe, Add	*21.34*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	105.76	
		For Intumescent Sealant For Plastic Pipe, Add	*5.43*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	205.73	
		For Intumescent Sealant For Plastic Pipe, Add	*38.91*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	176.80	
		For Intumescent Sealant For Plastic Pipe, Add	*27.34*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	125.75	
		For Intumescent Sealant For Plastic Pipe, Add	*6.92*	

07 84 13 19-0048 Intumescent Firestopping For Sealing Pipe Penetrations (STI SpecSeal SSS Series) *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	26.93
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	26.65
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	26.33
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	31.11
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	30.83
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	30.51
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	29.57
07 84 13 19-0056	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	37.97
07 84 13 19-0057	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	37.69
07 84 13 19-0058	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	37.37
07 84 13 19-0059	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	36.89
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	36.43
07 84 13 19-0061	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	35.24
07 84 13 19-0062	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	48.17
07 84 13 19-0063	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.89
07 84 13 19-0064	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.57
07 84 13 19-0065	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.09
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	46.63
07 84 13 19-0067	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	45.44
07 84 13 19-0068	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	43.71
07 84 13 19-0069	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	63.18
07 84 13 19-0070	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	62.90
07 84 13 19-0071	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	62.58
07 84 13 19-0072	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	61.99
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	61.41
07 84 13 19-0074	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	60.22
07 84 13 19-0075	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	58.72
07 84 13 19-0076	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	56.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0077	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	96.52	
07 84 13 19-0078	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	96.24	
07 84 13 19-0079	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	95.92	
07 84 13 19-0080	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	95.44	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	94.99	
07 84 13 19-0082	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	93.79	
07 84 13 19-0083	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	92.06	
07 84 13 19-0084	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	89.92	
07 84 13 19-0085	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	84.94	
07 84 13 19-0086	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	124.73	
07 84 13 19-0087	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	122.58	
07 84 13 19-0088	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	117.60	
07 84 13 19-0089	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	104.07	
07 84 13 19-0090	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	155.03	
07 84 13 19-0091	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	141.49	
07 84 13 19-0092	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	123.15	

07 84 13 19-0093 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0094	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.39	
07 84 13 19-0095	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.29	
07 84 13 19-0096	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.15	
07 84 13 19-0097	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.04	
07 84 13 19-0098	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.93	
07 84 13 19-0099	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.79	
07 84 13 19-0100	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.59	
07 84 13 19-0101	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.39	
07 84 13 19-0102	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.99	
07 84 13 19-0103	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.90	
07 84 13 19-0104	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.75	
07 84 13 19-0105	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.54	
07 84 13 19-0106	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.36	
07 84 13 19-0107	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.88	
07 84 13 19-0108	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.29	
07 84 13 19-0109	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.20	
07 84 13 19-0110	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.06	
07 84 13 19-0111	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.84	
07 84 13 19-0112	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.66	
07 84 13 19-0113	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.18	
07 84 13 19-0114	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.53	
07 84 13 19-0115	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.79	
07 84 13 19-0116	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.69	
07 84 13 19-0117	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.55	
07 84 13 19-0118	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.32	
07 84 13 19-0119	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.10	
07 84 13 19-0120	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.62	
07 84 13 19-0121	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.03	
07 84 13 19-0122	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.08	
07 84 13 19-0123	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	84.12	
07 84 13 19-0124	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	84.02	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0125	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	83.88	
07 84 13 19-0126	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	83.68	
07 84 13 19-0127	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	83.49	
07 84 13 19-0128	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	83.01	
07 84 13 19-0129	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	82.36	
07 84 13 19-0130	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	81.47	
07 84 13 19-0131	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	79.55	
07 84 13 19-0132	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.14	
07 84 13 19-0133	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	104.25	
07 84 13 19-0134	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	102.33	
07 84 13 19-0135	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	96.88	
07 84 13 19-0136	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	127.01	
07 84 13 19-0137	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	121.55	
07 84 13 19-0138	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	114.34	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	36.32	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	53.12	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	55.29	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	57.46	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	59.63	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	76.42	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	14.37	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	14.99	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	13.85	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	15.03	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	14.57	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	13.92	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	40.56	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	43.57	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	47.27	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	363.66	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	517.51	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	704.60	

07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	52.97	

07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	149.46	

07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	188.37	

07 84 23 Silicone Firestopping Foams *(07 84)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings *(07 84 23)*			
		Note: Includes 7" depth of silicone foam barrier and 1" depth backer board			
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		43.13	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		96.93	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		176.04	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		266.67	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		382.45	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		520.71	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		1,069.42	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		1,605.11	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam		2,256.97	

07 84 43 Joint Firestopping *(07 84)*

07 84 43 00-0001		Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*			
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		396.39	97.61
		For Up To 6 CLF, Add		*22.41*	
		For >30 CLF, Deduct		*-25.00*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		448.21	97.61
		For Up To 4 CLF, Add		*26.30*	
		For >20 CLF, Deduct		*-30.18*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		510.83	100.86
		For Up To 3 CLF, Add		*30.72*	
		For >15 CLF, Deduct		*-35.90*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		536.73	100.86
		For Up To 2.5 CLF, Add		*32.66*	
		For >13 CLF, Deduct		*-38.49*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		614.42	100.86
		For Up To 2 CLF, Add		*38.49*	
		For >10 CLF, Deduct		*-46.26*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		692.10	100.86
		For Up To 1.5 CLF, Add		*44.32*	
		For >8 CLF, Deduct		*-54.03*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		780.64	105.20
		For Up To 1.3 CLF, Add		*50.69*	
		For >7 CLF, Deduct		*-62.34*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		728.85	105.20
		For Up To 1.4 CLF, Add		*46.80*	
		For >7.5 CLF, Deduct		*-57.16*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		843.28	108.45
		For Up To 1.15 CLF, Add		*55.11*	
		For >6 CLF, Deduct		*-68.06*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		946.86	108.45
		For Up To 1 CLF, Add		*62.88*	
		For >5 CLF, Deduct		*-78.42*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		1,061.29	111.71
		For Up To 0.8 CLF, Add		*71.19*	
		For >4.5 CLF, Deduct		*-89.32*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		1,175.72	116.05
		For Up To 0.75 CLF, Add		*79.50*	
		For >4 CLF, Deduct		*-100.22*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		1,290.14	119.30
		For Up To 0.65 CLF, Add		*87.81*	
		For >3.5 CLF, Deduct		*-111.12*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		1,633.42	130.15
		For Up To 0.5 CLF, Add		*112.75*	
		For >2.5 CLF, Deduct		*-143.82*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*186.45*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)		2,091.13	144.25
		For Up To 0.4 CLF, Add		*145.99*	
		For >2 CLF, Deduct		*-187.42*	
07 84 43 00-0017		Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*			
07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)		410.81	97.61
		For Up To 6 CLF, Add		*23.49*	
		For >30 CLF, Deduct		*-26.44*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)		469.81	97.61
		For Up To 4 CLF, Add		*27.92*	
		For >20 CLF, Deduct		*-32.34*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)		539.64	100.86
		For Up To 3 CLF, Add		*32.88*	
		For >15 CLF, Deduct		*-38.78*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)		569.13	100.86
		For Up To 2.5 CLF, Add		*35.09*	
		For >13 CLF, Deduct		*-41.73*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)		657.62	100.86
		For Up To 2 CLF, Add		*41.73*	
		For >10 CLF, Deduct		*-50.58*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)		746.11	100.86
		For Up To 1.5 CLF, Add		*48.37*	
		For >8 CLF, Deduct		*-59.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	845.45	105.20
		For Up To 1.3 CLF, Add	*55.55*	
		For >7 CLF, Deduct	*-68.82*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	786.46	105.20
		For Up To 1.4 CLF, Add	*51.12*	
		For >7.5 CLF, Deduct	*-62.92*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	915.29	108.45
		For Up To 1.15 CLF, Add	*60.51*	
		For >6 CLF, Deduct	*-75.26*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,033.27	108.45
		For Up To 1 CLF, Add	*69.36*	
		For >5 CLF, Deduct	*-87.06*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,162.10	111.71
		For Up To 0.8 CLF, Add	*78.75*	
		For >4.5 CLF, Deduct	*-99.40*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,290.93	116.05
		For Up To 0.75 CLF, Add	*88.14*	
		For >4 CLF, Deduct	*-111.74*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,419.75	119.30
		For Up To 0.65 CLF, Add	*97.53*	
		For >3.5 CLF, Deduct	*-124.08*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,806.25	130.15
		For Up To 0.5 CLF, Add	*125.71*	
		For >2.5 CLF, Deduct	*-161.10*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,321.56	144.25
		For Up To 0.4 CLF, Add	*163.27*	
		For >2 CLF, Deduct	*-210.47*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	353.86	97.61
		For Up To 6 CLF, Add	*19.22*	
		For >30 CLF, Deduct	*-20.74*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	384.37	97.61
		For Up To 4 CLF, Add	*21.51*	
		For >20 CLF, Deduct	*-23.80*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	425.72	100.86
		For Up To 3 CLF, Add	*24.34*	
		For >15 CLF, Deduct	*-27.39*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	440.98	100.86
		For Up To 2.5 CLF, Add	*25.48*	
		For >13 CLF, Deduct	*-28.91*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	486.75	100.86
		For Up To 2 CLF, Add	*28.91*	
		For >10 CLF, Deduct	*-33.49*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	532.52	100.86
		For Up To 1.5 CLF, Add	*32.35*	
		For >8 CLF, Deduct	*-38.07*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	589.14	105.20
		For Up To 1.3 CLF, Add	*36.32*	
		For >7 CLF, Deduct	*-43.19*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	558.62	105.20
		For Up To 1.4 CLF, Add	*34.03*	
		For >7.5 CLF, Deduct	*-40.14*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	630.50	108.45
		For Up To 1.15 CLF, Add	*39.15*	
		For >6 CLF, Deduct	*-46.78*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	691.53	108.45
		For Up To 1 CLF, Add	*43.73*	
		For >5 CLF, Deduct	*-52.88*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	763.39	111.71
		For Up To 0.8 CLF, Add	*48.85*	
		For >4.5 CLF, Deduct	*-59.53*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	835.27	116.05
		For Up To 0.75 CLF, Add	*53.97*	
		For >4 CLF, Deduct	*-66.17*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	907.13	119.30
		For Up To 0.65 CLF, Add	*59.09*	
		For >3.5 CLF, Deduct	*-72.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,122.75	130.15
		For Up To 0.5 CLF, Add	*74.45*	
		For >2.5 CLF, Deduct	*-92.75*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,410.24	144.25
		For Up To 0.4 CLF, Add	*94.92*	
		For >2 CLF, Deduct	*-119.33*	

07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations *(07 84 43)*

07 84 43 00-0050	LF	1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	0.86
07 84 43 00-0051	LF	2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.73
07 84 43 00-0052	LF	3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	2.49
07 84 43 00-0053	LF	4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.38
07 84 43 00-0054	LF	5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	4.18
07 84 43 00-0055	LF	6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.12
07 84 43 00-0056	LF	1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.74
07 84 43 00-0057	LF	2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.46
07 84 43 00-0058	LF	3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	4.99
07 84 43 00-0059	LF	4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	6.76
07 84 43 00-0060	LF	5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	8.37
07 84 43 00-0061	LF	6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.22
07 84 43 00-0062	LF	1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.49
07 84 43 00-0063	LF	2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	6.92
07 84 43 00-0064	LF	3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	9.98
07 84 43 00-0065	LF	4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	13.53
07 84 43 00-0066	LF	5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	16.75
07 84 43 00-0067	LF	6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	20.45
07 84 43 00-0068	LF	1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	6.97
07 84 43 00-0069	LF	2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	13.86
07 84 43 00-0070	LF	3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	19.97
07 84 43 00-0071	LF	4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	27.06
07 84 43 00-0072	LF	5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	33.50
07 84 43 00-0073	LF	6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	40.91

07 84 43 00-0074 Intumescent Firestopping Sealant For Joints *(07 84 43)*

07 84 43 00-0075	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	378.81	97.61
		For Up To 6 CLF, Add	*21.09*	
		For >30 CLF, Deduct	*-23.24*	
07 84 43 00-0076	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	421.80	97.61
		For Up To 4 CLF, Add	*24.31*	
		For >20 CLF, Deduct	*-27.54*	
07 84 43 00-0077	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	475.63	100.86
		For Up To 3 CLF, Add	*28.08*	
		For >15 CLF, Deduct	*-32.38*	
07 84 43 00-0078	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	497.13	100.86
		For Up To 2.5 CLF, Add	*29.69*	
		For >13 CLF, Deduct	*-34.53*	
07 84 43 00-0079	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	561.61	100.86
		For Up To 2 CLF, Add	*34.53*	
		For >10 CLF, Deduct	*-40.98*	
07 84 43 00-0080	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	626.10	100.86
		For Up To 1.5 CLF, Add	*39.37*	
		For >8 CLF, Deduct	*-47.43*	
07 84 43 00-0081	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	701.44	105.20
		For Up To 1.3 CLF, Add	*44.75*	
		For >7 CLF, Deduct	*-54.42*	
07 84 43 00-0082	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	658.45	105.20
		For Up To 1.4 CLF, Add	*41.52*	
		For >7.5 CLF, Deduct	*-50.12*	
07 84 43 00-0083	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	755.28	108.45
		For Up To 1.15 CLF, Add	*48.51*	
		For >6 CLF, Deduct	*-59.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0084	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	841.26	108.45
		For Up To 1 CLF, Add	*54.96*	
		For >5 CLF, Deduct	*-67.86*	
07 84 43 00-0085	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	938.08	111.71
		For Up To 0.8 CLF, Add	*61.95*	
		For >4.5 CLF, Deduct	*-77.00*	
07 84 43 00-0086	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,034.91	116.05
		For Up To 0.75 CLF, Add	*68.94*	
		For >4 CLF, Deduct	*-86.14*	
07 84 43 00-0087	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,131.73	119.30
		For Up To 0.65 CLF, Add	*75.93*	
		For >3.5 CLF, Deduct	*-95.28*	
07 84 43 00-0088	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,422.22	130.15
		For Up To 0.5 CLF, Add	*96.91*	
		For >2.5 CLF, Deduct	*-122.70*	
07 84 43 00-0089	CLF	1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,809.52	144.25
		For Up To 0.4 CLF, Add	*124.87*	
		For >2 CLF, Deduct	*-159.26*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.02	
		For Work In Restricted Working Space, Add	*1.34*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	18.07	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.34*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	19.77	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.34*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	19.60	11.24
		For Work In Restricted Working Space, Add	*4.52*	
		For >500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.19*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	23.36	11.24
		For Work In Restricted Working Space, Add	*4.52*	
		For >500 To 5,000, Deduct	*-2.66*	
		For >5,000, Deduct	*-4.58*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	27.49	11.24
		For Work In Restricted Working Space, Add	*4.52*	
		For >500 To 5,000, Deduct	*-3.61*	
		For >5,000, Deduct	*-6.11*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	31.62	11.24
		For Work In Restricted Working Space, Add	*4.52*	
		For >500 To 5,000, Deduct	*-4.56*	
		For >5,000, Deduct	*-7.64*	

07 84 56 13-0010 Fire Safing (SAFE), Mineral Wool Insulation *(07 84 56 13)*

07 84 56 13-0011	SF	4" Thick, Fire Safing (SAFE), Mineral Wool Insulation (Rockwool Roxul)	3.73	0.43
		For Work In Restricted Working Space, Add	*0.35*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.31	0.62
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.50	0.62
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	2.79	0.62
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.29	0.62
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.43	0.74
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	3.85	0.74
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	4.96	0.74
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.01	0.87
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.18	0.99
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	9.98	1.12
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	21.02	1.37

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	2.87	0.74
		For Custom Match Coloring, Add	*0.05*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	8.67	2.12
		For Custom Match Coloring, Add	*0.21*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	10.53	2.24
		For Custom Match Coloring, Add	*0.33*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	11.51	2.36
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	15.52	4.36
07 91 26 00-0007		Closed Cell Neoprene *(07 91 26)*		
07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	493.82	143.56
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	783.22	207.38
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	630.50	177.78
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	719.23	186.61
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,098.11	287.13
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,249.86	311.00
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,108.74	226.17
07 91 26 00-0015		Closed Cell Polyvinyl Chloride *(07 91 26)*		
07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	503.77	177.78
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	842.92	287.13
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	655.92	245.08
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	782.24	258.76
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,191.53	396.85
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,388.06	430.68
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,827.30	516.27
07 91 26 00-0023		Silicon RTV Foam Penetration Seal *(07 91 26)*		
07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	166.05	28.49
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	332.10	56.85
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	494.95	84.47
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	699.88	113.83
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	166.05	28.49
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	494.44	84.23
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	848.86	126.51
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,695.50	252.16
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,219.63	455.20
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	4,920.95	711.09
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,212.50	1,137.79
07 91 26 00-0035		Seals O-Ring Type Cord "J-Seal" *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	5.30	1.62
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	5.62	1.62
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	5.90	1.75
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	6.22	1.87
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	6.65	1.99
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	6.96	1.99
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	7.35	2.12
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	7.58	2.12

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	92.03	6.88
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	124.44	7.22
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	158.64	7.54
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	196.71	7.87
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	256.55	8.20
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	295.27	8.53
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	343.36	8.86

07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed neoprene joint seal and lubricant adhesive.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0011		LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	44.79	6.88
07 91 33 00-0012		LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	49.25	6.99
07 91 33 00-0013		LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	60.45	7.09
07 91 33 00-0014		LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	64.37	7.22
07 91 33 00-0015		LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	69.05	7.31
07 91 33 00-0016		LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	85.70	7.41
07 91 33 00-0017		LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	106.80	7.54
07 91 33 00-0018		LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	127.03	7.87
07 91 33 00-0019		LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	144.31	8.20
07 91 33 00-0020			Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
			Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021		LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	36.74	6.88
07 91 33 00-0022		LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	48.93	7.22
07 91 33 00-0023		LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	60.90	7.54
07 91 33 00-0024		LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	64.49	7.71
07 91 33 00-0025		LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	71.99	7.87
07 91 33 00-0026		LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	105.37	8.20
07 91 33 00-0027		LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	146.70	8.53
07 91 33 00-0028			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
			Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029		LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	34.62	2.73
07 91 33 00-0030		LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	58.76	2.85
07 91 33 00-0031		LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	89.01	2.95
07 91 33 00-0032		LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	112.50	3.06
07 91 33 00-0033		LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	148.39	3.17
07 91 33 00-0034		LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	196.69	3.28
07 91 33 00-0035		LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	241.50	3.39
07 91 33 00-0036		LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	326.13	3.50
07 91 33 00-0037		LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	380.95	3.61
07 91 33 00-0038			Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*		
			Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039		LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	33.75	2.73
07 91 33 00-0040		LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	44.84	2.85
07 91 33 00-0041		LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	60.51	2.95
07 91 33 00-0042		LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	82.48	3.06
07 91 33 00-0043		LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	94.23	3.17
07 91 33 00-0044		LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	131.21	3.28
07 91 33 00-0045		LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	176.68	3.39
07 91 33 00-0046		LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	190.82	3.50

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0047		Molded EPDM Rubber Cover, For Pedestrian Foot Traffic And Slow Speed Non-Commercial Vehicular Traffic (Wabo® SafetyFlexl) *(07 91 33 00-0001)*		
07 91 33 00-0048	LF	2-1/2" Minimum, 12" Maximum Joint Opening, Elastomeric Hinged Cover System for Pedestrian Walkway And Low-speed Vehicular Traffic Areas (Wabo® SafetyFlex SFP-600)	253.76	8.86
07 91 33 00-0049		Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal) *(07 91 33 00-0001)*		
		Note: Includes epoxy adhesive.		
07 91 33 00-0050	LF	0.45" Minimum, 1.25" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-100)	27.85	
07 91 33 00-0051	LF	0.675" Minimum, 1.875" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-150)	30.50	
07 91 33 00-0052	LF	0.90" Minimum, 2.50" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-200)	40.23	
07 91 33 00-0053	LF	1.125" Minimum, 3.125" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-250)	50.04	
07 91 33 00-0054	LF	1.35" Minimum, 3.75" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-300)	115.30	
07 91 33 00-0055	LF	1.80" Minimum, 5.00" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-400)	151.84	

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001		Silicone Sealant And Caulking *(07 92 13)*		
07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	351.30	97.61
		For Custom Match Coloring, Add	*14.03*	
		For Up To 6 CLF, Add	*19.03*	
		For >30 CLF, Deduct	*-20.49*	
		For 1 Part Mildew Resistant, Add	*20.46*	
		For High-Modulus Non-Acid Curing, Add	*11.69*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	380.53	97.61
		For Custom Match Coloring, Add	*21.05*	
		For Up To 4 CLF, Add	*21.22*	
		For >20 CLF, Deduct	*-23.41*	
		For 1 Part Mildew Resistant, Add	*30.70*	
		For High-Modulus Non-Acid Curing, Add	*17.54*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	420.61	100.86
		For Custom Match Coloring, Add	*28.07*	
		For Up To 3 CLF, Add	*23.95*	
		For >15 CLF, Deduct	*-26.88*	
		For 1 Part Mildew Resistant, Add	*40.93*	
		For High-Modulus Non-Acid Curing, Add	*23.39*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	435.22	100.86
		For Custom Match Coloring, Add	*31.57*	
		For Up To 2.5 CLF, Add	*25.05*	
		For >13 CLF, Deduct	*-28.34*	
		For 1 Part Mildew Resistant, Add	*46.04*	
		For High-Modulus Non-Acid Curing, Add	*26.31*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	479.07	100.86
		For Custom Match Coloring, Add	*42.10*	
		For Up To 2 CLF, Add	*28.34*	
		For >10 CLF, Deduct	*-32.72*	
		For 1 Part Mildew Resistant, Add	*61.39*	
		For High-Modulus Non-Acid Curing, Add	*35.08*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	522.93	100.86
		For Custom Match Coloring, Add	*52.62*	
		For Up To 1.5 CLF, Add	*31.63*	
		For >8 CLF, Deduct	*-37.11*	
		For 1 Part Mildew Resistant, Add	*76.74*	
		For High-Modulus Non-Acid Curing, Add	*43.85*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	577.63	105.20
		For Custom Match Coloring, Add	*63.15*	
		For Up To 1.3 CLF, Add	*35.46*	
		For >7 CLF, Deduct	*-42.04*	
		For 1 Part Mildew Resistant, Add	*92.09*	
		For High-Modulus Non-Acid Curing, Add	*52.62*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	548.39	105.20
		For Custom Match Coloring, Add	*56.13*	
		For Up To 1.4 CLF, Add	*33.27*	
		For >7.5 CLF, Deduct	*-39.11*	
		For 1 Part Mildew Resistant, Add	*81.85*	
		For High-Modulus Non-Acid Curing, Add	*46.77*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	617.71	108.45
		For Custom Match Coloring, Add	*70.16*	
		For Up To 1.15 CLF, Add	*38.19*	
		For >6 CLF, Deduct	*-45.50*	
		For 1 Part Mildew Resistant, Add	*102.32*	
		For High-Modulus Non-Acid Curing, Add	*58.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	676.18	108.45
		For Custom Match Coloring, Add	*84.19*	
		For Up To 1 CLF, Add	*42.58*	
		For >5 CLF, Deduct	*-51.35*	
		For 1 Part Mildew Resistant, Add	*122.78*	
		For High-Modulus Non-Acid Curing, Add	*70.16*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	745.49	111.71
		For Custom Match Coloring, Add	*98.23*	
		For Up To 0.8 CLF, Add	*47.51*	
		For >4.5 CLF, Deduct	*-57.74*	
		For 1 Part Mildew Resistant, Add	*143.25*	
		For High-Modulus Non-Acid Curing, Add	*81.86*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	814.81	116.05
		For Custom Match Coloring, Add	*112.26*	
		For Up To 0.75 CLF, Add	*52.43*	
		For >4 CLF, Deduct	*-64.13*	
		For 1 Part Mildew Resistant, Add	*163.71*	
		For High-Modulus Non-Acid Curing, Add	*98.55*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	884.11	119.30
		For Custom Match Coloring, Add	*126.29*	
		For Up To 0.65 CLF, Add	*57.36*	
		For >3.5 CLF, Deduct	*-70.52*	
		For 1 Part Mildew Resistant, Add	*184.17*	
		For High-Modulus Non-Acid Curing, Add	*105.24*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,092.06	130.15
		For Custom Match Coloring, Add	*168.39*	
		For Up To 0.5 CLF, Add	*72.14*	
		For >2.5 CLF, Deduct	*-89.68*	
		For 1 Part Mildew Resistant, Add	*245.57*	
		For High-Modulus Non-Acid Curing, Add	*140.32*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,369.31	144.25
		For Custom Match Coloring, Add	*224.52*	
		For Up To 0.4 CLF, Add	*91.85*	
		For >2 CLF, Deduct	*-115.24*	
		For 1 Part Mildew Resistant, Add	*327.42*	
		For High-Modulus Non-Acid Curing, Add	*187.10*	
07 92 13 00-0017		**Acrylic/Latex Sealant And Caulking** *(07 92 13)*		
07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	313.34	97.61
		For Up To 6 CLF, Add	*16.18*	
		For >30 CLF, Deduct	*-16.69*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	323.60	97.61
		For Up To 4 CLF, Add	*16.95*	
		For >20 CLF, Deduct	*-17.72*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	344.70	100.86
		For Up To 3 CLF, Add	*18.26*	
		For >15 CLF, Deduct	*-19.29*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	349.82	100.86
		For Up To 2.5 CLF, Add	*18.64*	
		For >13 CLF, Deduct	*-19.80*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	365.21	100.86
		For Up To 2 CLF, Add	*19.80*	
		For >10 CLF, Deduct	*-21.34*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	380.59	100.86
		For Up To 1.5 CLF, Add	*20.95*	
		For >8 CLF, Deduct	*-22.88*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	406.83	105.20
		For Up To 1.3 CLF, Add	*22.65*	
		For >7 CLF, Deduct	*-24.96*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	396.57	105.20
		For Up To 1.4 CLF, Add	*21.88*	
		For >7.5 CLF, Deduct	*-23.93*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	427.93	108.45
		For Up To 1.15 CLF, Add	*23.96*	
		For >6 CLF, Deduct	*-26.52*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	448.45	108.45
		For Up To 1 CLF, Add	*25.50*	
		For >5 CLF, Deduct	*-28.58*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	479.80	111.71
		For Up To 0.8 CLF, Add	*27.58*	
		For >4.5 CLF, Deduct	*-31.17*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	511.16	116.05
		For Up To 0.75 CLF, Add	*29.66*	
		For >4 CLF, Deduct	*-33.76*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	542.51	119.30
		For Up To 0.65 CLF, Add	*31.74*	
		For >3.5 CLF, Deduct	*-36.36*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	636.59	130.15
		For Up To 0.5 CLF, Add	*37.98*	
		For >2.5 CLF, Deduct	*-44.14*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	762.02	144.25
		For Up To 0.4 CLF, Add	*46.31*	
		For >2 CLF, Deduct	*-54.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	337.67	97.61
		For Up To 6 CLF, Add	*18.00*	
		For >30 CLF, Deduct	*-19.13*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	360.10	97.61
		For Up To 4 CLF, Add	*19.69*	
		For >20 CLF, Deduct	*-21.37*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	393.36	100.86
		For Up To 3 CLF, Add	*21.91*	
		For >15 CLF, Deduct	*-24.15*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	404.57	100.86
		For Up To 2.5 CLF, Add	*22.75*	
		For >13 CLF, Deduct	*-25.27*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	438.20	100.86
		For Up To 2 CLF, Add	*25.27*	
		For >10 CLF, Deduct	*-28.64*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	471.83	100.86
		For Up To 1.5 CLF, Add	*27.80*	
		For >8 CLF, Deduct	*-32.00*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	516.31	105.20
		For Up To 1.3 CLF, Add	*30.86*	
		For >7 CLF, Deduct	*-35.91*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	493.89	105.20
		For Up To 1.4 CLF, Add	*29.18*	
		For >7.5 CLF, Deduct	*-33.66*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	549.59	108.45
		For Up To 1.15 CLF, Add	*33.09*	
		For >6 CLF, Deduct	*-38.69*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	594.43	108.45
		For Up To 1 CLF, Add	*36.45*	
		For >5 CLF, Deduct	*-43.17*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	650.11	111.71
		For Up To 0.8 CLF, Add	*40.35*	
		For >4.5 CLF, Deduct	*-48.20*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	705.81	116.05
		For Up To 0.75 CLF, Add	*44.26*	
		For >4 CLF, Deduct	*-53.23*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	761.49	119.30
		For Up To 0.65 CLF, Add	*48.16*	
		For >3.5 CLF, Deduct	*-58.25*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	928.56	130.15
		For Up To 0.5 CLF, Add	*59.88*	
		For >2.5 CLF, Deduct	*-73.33*	

07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	341.93	97.61
		For Up To 6 CLF, Add	*18.32*	
		For >30 CLF, Deduct	*-19.55*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	366.50	97.61
		For Up To 4 CLF, Add	*20.17*	
		For >20 CLF, Deduct	*-22.01*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	401.89	100.86
		For Up To 3 CLF, Add	*22.55*	
		For >15 CLF, Deduct	*-25.01*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	414.16	100.86
		For Up To 2.5 CLF, Add	*23.47*	
		For >13 CLF, Deduct	*-26.23*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	451.01	100.86
		For Up To 2 CLF, Add	*26.23*	
		For >10 CLF, Deduct	*-29.92*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	487.83	100.86
		For Up To 1.5 CLF, Add	*29.00*	
		For >8 CLF, Deduct	*-33.60*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	535.51	105.20
		For Up To 1.3 CLF, Add	*32.30*	
		For >7 CLF, Deduct	*-37.83*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	510.96	105.20
		For Up To 1.4 CLF, Add	*30.46*	
		For >7.5 CLF, Deduct	*-35.37*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	570.93	108.45
		For Up To 1.15 CLF, Add	*34.69*	
		For >6 CLF, Deduct	*-40.82*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	620.03	108.45
		For Up To 1 CLF, Add	*38.37*	
		For >5 CLF, Deduct	*-45.73*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	679.99	111.71
		For Up To 0.8 CLF, Add	*42.59*	
		For >4.5 CLF, Deduct	*-51.19*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	739.94	116.05
		For Up To 0.75 CLF, Add	*46.82*	
		For >4 CLF, Deduct	*-56.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	799.90	119.30
		For Up To 0.65 CLF, Add	*51.05*	
		For >3.5 CLF, Deduct	*-62.10*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	979.75	130.15
		For Up To 0.5 CLF, Add	*63.72*	
		For >2.5 CLF, Deduct	*-78.45*	
07 92 13 00-0063		**Flexible Polyurethane Security Sealant And Caulking** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	352.35	97.61
		For Up To 6 CLF, Add	*19.11*	
		For >30 CLF, Deduct	*-20.59*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	382.11	97.61
		For Up To 4 CLF, Add	*21.34*	
		For >20 CLF, Deduct	*-23.57*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	422.70	100.86
		For Up To 3 CLF, Add	*24.11*	
		For >15 CLF, Deduct	*-27.09*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	437.58	100.86
		For Up To 2.5 CLF, Add	*25.23*	
		For >13 CLF, Deduct	*-28.57*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	482.22	100.86
		For Up To 2 CLF, Add	*28.57*	
		For >10 CLF, Deduct	*-33.04*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	526.86	100.86
		For Up To 1.5 CLF, Add	*31.92*	
		For >8 CLF, Deduct	*-37.50*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	582.34	105.20
		For Up To 1.3 CLF, Add	*35.81*	
		For >7 CLF, Deduct	*-42.51*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	552.59	105.20
		For Up To 1.4 CLF, Add	*33.58*	
		For >7.5 CLF, Deduct	*-39.53*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	622.95	108.45
		For Up To 1.15 CLF, Add	*38.59*	
		For >6 CLF, Deduct	*-46.03*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	682.47	108.45
		For Up To 1 CLF, Add	*43.05*	
		For >5 CLF, Deduct	*-51.98*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	752.82	111.71
		For Up To 0.8 CLF, Add	*48.06*	
		For >4.5 CLF, Deduct	*-58.47*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	823.19	116.05
		For Up To 0.75 CLF, Add	*53.06*	
		For >4 CLF, Deduct	*-64.97*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	893.55	119.30
		For Up To 0.65 CLF, Add	*58.07*	
		For >3.5 CLF, Deduct	*-71.46*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,104.64	130.15
		For Up To 0.5 CLF, Add	*73.09*	
		For >2.5 CLF, Deduct	*-90.94*	
07 92 19		**Acoustical Joint Sealants** *(07 92)*		
07 92 19 00-0001		Acoustical Sealant *(07 92 19)*		
07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	343.92	97.61
		For Custom Match Coloring, Add	*12.26*	
		For Up To 6 CLF, Add	*18.47*	
		For >30 CLF, Deduct	*-19.75*	
		For 1 Part Mildew Resistant, Add	*17.88*	
		For High-Modulus Non-Acid Curing, Add	*10.22*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	363.33	97.61
		For Custom Match Coloring, Add	*16.92*	
		For Up To 4 CLF, Add	*19.93*	
		For >20 CLF, Deduct	*-21.69*	
		For 1 Part Mildew Resistant, Add	*24.68*	
		For High-Modulus Non-Acid Curing, Add	*14.10*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	385.61	100.86
		For Custom Match Coloring, Add	*19.67*	
		For Up To 3 CLF, Add	*21.33*	
		For >15 CLF, Deduct	*-23.38*	
		For 1 Part Mildew Resistant, Add	*28.68*	
		For High-Modulus Non-Acid Curing, Add	*16.39*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	417.36	100.86
		For Custom Match Coloring, Add	*27.29*	
		For Up To 2.5 CLF, Add	*23.71*	
		For >13 CLF, Deduct	*-26.55*	
		For 1 Part Mildew Resistant, Add	*39.79*	
		For High-Modulus Non-Acid Curing, Add	*22.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	450.36	100.86
		For Custom Match Coloring, Add	*35.21*	
		For Up To 2 CLF, Add	*26.19*	
		For >10 CLF, Deduct	*-29.85*	
		For 1 Part Mildew Resistant, Add	*51.34*	
		For High-Modulus Non-Acid Curing, Add	*29.34*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	521.22	105.20
		For Custom Match Coloring, Add	*49.61*	
		For Up To 1.4 CLF, Add	*31.23*	
		For >7.5 CLF, Deduct	*-36.40*	
		For 1 Part Mildew Resistant, Add	*72.35*	
		For High-Modulus Non-Acid Curing, Add	*41.34*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	76.79	6.50
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	63.52	6.50
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	95.14	6.50

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	103.75	6.50
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	77.07	6.50
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	131.29	6.50

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	55.47	6.50
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	55.62	6.50
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	82.72	6.50

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	71.65	6.50
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	62.39	6.50
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	100.79	6.50

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	106.09	4.33
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	128.79	4.33
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	144.42	4.33

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	77.61	4.33
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	105.39	4.33

07 95 13 16-0009 Flat Wall To Wall *(07 95 13 16-0001)*

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	56.94	4.33
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	73.61	4.33
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	93.73	4.33

07 95 13 16-0013 Corner To Flat Wall *(07 95 13 16-0001)*

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.04	4.33
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.15	4.33
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	95.38	4.33

END OF SECTION 07

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	24.35	
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish		
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes	48.84	
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish		
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	58.81	

08 01 40 Operation and Maintenance of Entrances, Storefronts, and Curtain Walls *(08 01)*

08 01 44 Operation and Maintenance of Curtain Walls *(08 01 40)*

08 01 44 00-0001 Retrofit Curtain Walls *(08 01 44)*

08 01 44 00-0002	EA	Curtain Wall Retrofit Glass Lites, 5' x 7' nominal, 1" IG Viracon VWS7-08 HS/HS Superwindow	2,768.97	1,131.64
08 01 44 00-0003	LF	Curtain Wall Retrofit Exterior Mullion Caps	26.49	6.45
08 01 44 00-0004	LF	Curtain Wall Retrofit Exterior Corner Covers 12" x 12" nominal	109.93	27.93
08 01 44 00-0005	LF	Curtain Wall Retrofit Exterior Parapet Covers	102.77	27.93
08 01 44 00-0006	LF	Curtain Wall Retrofit Remove/Reinstall Existing Mullion	26.86	
08 01 44 00-0007	EA	Curtain Wall Retrofit one time Extrusion Die Engineering/ Manufacture Fee	12,000.00	

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	12.18
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	34.58
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	40.53
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	24.14
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	21.63
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	27.37
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	81.62
		Note: Channel, spiral or coil balance.	
		For Replacing Two Balances In One Window, Deduct	*-29.95*

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001 Glazing Compound Repair *(08 01 81 10)*

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair)	9.46

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	146.78
		For 9/16" To 1-1/16" Glazing Pocket, Add	*73.39*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	185.80
		For 9/16" To 1-1/16" Glazing Pocket, Add	*92.90*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	215.53
		For 9/16" To 1-1/16" Glazing Pocket, Add	*107.77*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	274.98	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*137.49*	
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	356.73	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*178.37*	
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	455.21	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*227.61*	
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	483.08	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*241.54*	
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	241.94	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*66.72*	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	288.27	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*84.46*	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	326.13	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*97.97*	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	391.03	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*124.99*	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	476.21	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*162.15*	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	576.57	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*206.91*	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	612.76	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*219.58*	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	139.96	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	158.99	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	216.09	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	402.96	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	498.32	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	595.22	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	776.71	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	914.30	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*109.72*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	221.34	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	248.50	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	313.74	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	508.75	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	612.25	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	717.28	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	906.91	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,049.93	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*109.72*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	283.42	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	324.32	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	380.94	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	381.07	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	432.82	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	498.12	
08 05 13 00-0040		**Door Hardware Preparation** *(08 05 13)*		
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	81.34	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	200.64	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	92.18	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	162.69	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	27.11	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	298.29	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	189.79	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	200.64	
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware	92.18	
08 05 13 00-0050		**Door Modifications** *(08 05 13)*		
08 05 13 00-0051	EA	Removal And Reinstallation Of Door	92.22	
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame	180.84	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	97.65	
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,269.17	
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	123.92	
08 05 13 00-0056	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	25.28	
08 05 13 00-0057	EA	Removal And Reinstallation Of Wood Door Frame	109.31	
08 05 13 00-0058	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	49.19	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	71.05	

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 63 Metal Screen and Storm Doors and Frames *(08 11)*

08 11 63 13 Steel Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*
Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	892.31	149.19
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	903.20	154.62
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,399.65	154.62

08 11 63 23 Aluminum Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*
Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,097.26	86.81
		For Special Finished, Add	*105.63*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,156.63	86.81
08 11 63 23-0004	EA	Aluminum Screen Door	306.34	54.23
08 11 63 23-0005	SF	Repair Screen Door	13.49	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*
Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,482.35	541.74
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,783.48	541.74
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,288.06	541.74
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,836.15	541.74

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0001		4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0002		6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*		
08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	583.20	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*63.07*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*50.45*	
		For Type 304 Stainless Steel Frame, Add	*764.95*	
		For Type 316 Stainless Steel Frame, Add	*891.08*	
		For Baked Enamel Finish, Add	*150.55*	
		For 18 Gauge Frame, Deduct	*-42.05*	
		For 14 Gauge Frame, Add	*105.11*	
		For 12 Gauge Frame, Add	*159.77*	
		For Clear Aluminum Frames (Three Piece), Add	*124.03*	
		For Black Aluminum Frames (Three Piece), Add	*189.20*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	679.57	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*75.08*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*60.06*	
		For Type 304 Stainless Steel Frame, Add	*909.92*	
		For Type 316 Stainless Steel Frame, Add	*1,060.09*	
		For Baked Enamel Finish, Add	*177.02*	
		For 18 Gauge Frame, Deduct	*-50.05*	
		For 14 Gauge Frame, Add	*125.14*	
		For 12 Gauge Frame, Add	*190.21*	
		For Clear Aluminum Frames (Three Piece), Add	*147.66*	
		For Black Aluminum Frames (Three Piece), Add	*225.24*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	698.43	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*76.28*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*61.03*	
		For Type 304 Stainless Steel Frame, Add	*924.88*	
		For Type 316 Stainless Steel Frame, Add	*1,077.45*	
		For Baked Enamel Finish, Add	*181.05*	
		For 18 Gauge Frame, Deduct	*-50.86*	
		For 14 Gauge Frame, Add	*127.14*	
		For 12 Gauge Frame, Add	*193.25*	
		For Clear Aluminum Frames (Three Piece), Add	*150.02*	
		For Black Aluminum Frames (Three Piece), Add	*228.85*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	714.70	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*76.28*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*61.03*	
		For Type 304 Stainless Steel Frame, Add	*925.70*	
		For Type 316 Stainless Steel Frame, Add	*1,078.26*	
		For Baked Enamel Finish, Add	*183.49*	
		For 18 Gauge Frame, Deduct	*-50.86*	
		For 14 Gauge Frame, Add	*127.14*	
		For 12 Gauge Frame, Add	*193.25*	
		For Clear Aluminum Frames (Three Piece), Add	*150.02*	
		For Black Aluminum Frames (Three Piece), Add	*228.85*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	728.14	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*77.48*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*61.99*	
		For Type 304 Stainless Steel Frame, Add	*940.39*	
		For Type 316 Stainless Steel Frame, Add	*1,095.36*	
		For Baked Enamel Finish, Add	*186.71*	
		For 18 Gauge Frame, Deduct	*-51.66*	
		For 14 Gauge Frame, Add	*129.14*	
		For 12 Gauge Frame, Add	*196.29*	
		For Clear Aluminum Frames (Three Piece), Add	*152.39*	
		For Black Aluminum Frames (Three Piece), Add	*232.45*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	741.58	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*78.69*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*62.95*	
		For Type 304 Stainless Steel Frame, Add	*955.08*	
		For Type 316 Stainless Steel Frame, Add	*1,112.45*	
		For Baked Enamel Finish, Add	*189.92*	
		For 18 Gauge Frame, Deduct	*-52.46*	
		For 14 Gauge Frame, Add	*131.14*	
		For 12 Gauge Frame, Add	*199.34*	
		For Clear Aluminum Frames (Three Piece), Add	*154.75*	
		For Black Aluminum Frames (Three Piece), Add	*236.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	788.45	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*84.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*67.27*	
		For Type 304 Stainless Steel Frame, Add	*1,020.47*	
		For Type 316 Stainless Steel Frame, Add	*1,188.65*	
		For Baked Enamel Finish, Add	*202.36*	
		For 18 Gauge Frame, Deduct	*-56.06*	
		For 14 Gauge Frame, Add	*140.15*	
		For 12 Gauge Frame, Add	*213.03*	
		For Clear Aluminum Frames (Three Piece), Add	*165.38*	
		For Black Aluminum Frames (Three Piece), Add	*252.27*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	799.30	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*84.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*67.27*	
		For Type 304 Stainless Steel Frame, Add	*1,021.02*	
		For Type 316 Stainless Steel Frame, Add	*1,189.20*	
		For Baked Enamel Finish, Add	*203.99*	
		For 18 Gauge Frame, Deduct	*-56.06*	
		For 14 Gauge Frame, Add	*140.15*	
		For 12 Gauge Frame, Add	*213.03*	
		For Clear Aluminum Frames (Three Piece), Add	*165.38*	
		For Black Aluminum Frames (Three Piece), Add	*252.27*	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	830.19	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*87.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*69.68*	
		For Type 304 Stainless Steel Frame, Add	*1,057.61*	
		For Type 316 Stainless Steel Frame, Add	*1,231.80*	
		For Baked Enamel Finish, Add	*211.62*	
		For 18 Gauge Frame, Deduct	*-58.06*	
		For 14 Gauge Frame, Add	*145.16*	
		For 12 Gauge Frame, Add	*220.64*	
		For Clear Aluminum Frames (Three Piece), Add	*171.29*	
		For Black Aluminum Frames (Three Piece), Add	*261.28*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	861.06	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*90.10*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*72.08*	
		For Type 304 Stainless Steel Frame, Add	*1,094.19*	
		For Type 316 Stainless Steel Frame, Add	*1,274.39*	
		For Baked Enamel Finish, Add	*219.26*	
		For 18 Gauge Frame, Deduct	*-60.07*	
		For 14 Gauge Frame, Add	*150.16*	
		For 12 Gauge Frame, Add	*228.25*	
		For Clear Aluminum Frames (Three Piece), Add	*177.19*	
		For Black Aluminum Frames (Three Piece), Add	*270.29*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	871.90	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*90.10*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*72.08*	
		For Type 304 Stainless Steel Frame, Add	*1,094.73*	
		For Type 316 Stainless Steel Frame, Add	*1,274.93*	
		For Baked Enamel Finish, Add	*220.88*	
		For 18 Gauge Frame, Deduct	*-60.07*	
		For 14 Gauge Frame, Add	*150.16*	
		For 12 Gauge Frame, Add	*228.25*	
		For Clear Aluminum Frames (Three Piece), Add	*177.19*	
		For Black Aluminum Frames (Three Piece), Add	*270.29*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	887.34	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*91.60*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*73.28*	
		For Type 304 Stainless Steel Frame, Add	*1,113.02*	
		For Type 316 Stainless Steel Frame, Add	*1,296.22*	
		For Baked Enamel Finish, Add	*224.70*	
		For 18 Gauge Frame, Deduct	*-61.07*	
		For 14 Gauge Frame, Add	*152.67*	
		For 12 Gauge Frame, Add	*232.05*	
		For Clear Aluminum Frames (Three Piece), Add	*180.14*	
		For Black Aluminum Frames (Three Piece), Add	*274.80*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	902.78	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*93.10*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*74.48*	
		For Type 304 Stainless Steel Frame, Add	*1,131.31*	
		For Type 316 Stainless Steel Frame, Add	*1,317.51*	
		For Baked Enamel Finish, Add	*228.52*	
		For 18 Gauge Frame, Deduct	*-62.07*	
		For 14 Gauge Frame, Add	*155.17*	
		For 12 Gauge Frame, Add	*235.85*	
		For Clear Aluminum Frames (Three Piece), Add	*183.10*	
		For Black Aluminum Frames (Three Piece), Add	*279.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	948.24	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*99.11*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*79.29*	
		For Type 304 Stainless Steel Frame, Add	*1,203.65*	
		For Type 316 Stainless Steel Frame, Add	*1,401.87*	
		For Baked Enamel Finish, Add	*241.34*	
		For 18 Gauge Frame, Deduct	*-66.07*	
		For 14 Gauge Frame, Add	*165.18*	
		For 12 Gauge Frame, Add	*251.07*	
		For Clear Aluminum Frames (Three Piece), Add	*194.91*	
		For Black Aluminum Frames (Three Piece), Add	*297.32*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	993.72	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*105.11*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*84.09*	
		For Type 304 Stainless Steel Frame, Add	*1,276.02*	
		For Type 316 Stainless Steel Frame, Add	*1,486.24*	
		For Baked Enamel Finish, Add	*254.17*	
		For 18 Gauge Frame, Deduct	*-70.08*	
		For 14 Gauge Frame, Add	*175.19*	
		For 12 Gauge Frame, Add	*266.29*	
		For Clear Aluminum Frames (Three Piece), Add	*206.72*	
		For Black Aluminum Frames (Three Piece), Add	*315.34*	
08 12 13 13-0018		>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*		
08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	629.92	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*70.08*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*56.06*	
		For Type 304 Stainless Steel Frame, Add	*849.04*	
		For Type 316 Stainless Steel Frame, Add	*989.19*	
		For Baked Enamel Finish, Add	*164.56*	
		For 18 Gauge Frame, Deduct	*-46.72*	
		For 14 Gauge Frame, Add	*116.79*	
		For 12 Gauge Frame, Add	*177.52*	
		For Clear Aluminum Frames (Three Piece), Add	*137.82*	
		For Black Aluminum Frames (Three Piece), Add	*210.23*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	735.19	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*83.42*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*66.74*	
		For Type 304 Stainless Steel Frame, Add	*1,010.04*	
		For Type 316 Stainless Steel Frame, Add	*1,176.89*	
		For Baked Enamel Finish, Add	*193.70*	
		For 18 Gauge Frame, Deduct	*-55.62*	
		For 14 Gauge Frame, Add	*139.04*	
		For 12 Gauge Frame, Add	*211.34*	
		For Clear Aluminum Frames (Three Piece), Add	*164.07*	
		For Black Aluminum Frames (Three Piece), Add	*250.27*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	754.93	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*84.76*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*67.81*	
		For Type 304 Stainless Steel Frame, Add	*1,026.58*	
		For Type 316 Stainless Steel Frame, Add	*1,196.10*	
		For Baked Enamel Finish, Add	*198.00*	
		For 18 Gauge Frame, Deduct	*-56.51*	
		For 14 Gauge Frame, Add	*141.26*	
		For 12 Gauge Frame, Add	*214.72*	
		For Clear Aluminum Frames (Three Piece), Add	*166.69*	
		For Black Aluminum Frames (Three Piece), Add	*254.27*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	771.20	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*84.76*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*67.81*	
		For Type 304 Stainless Steel Frame, Add	*1,027.40*	
		For Type 316 Stainless Steel Frame, Add	*1,196.91*	
		For Baked Enamel Finish, Add	*200.44*	
		For 18 Gauge Frame, Deduct	*-56.51*	
		For 14 Gauge Frame, Add	*141.26*	
		For 12 Gauge Frame, Add	*214.72*	
		For Clear Aluminum Frames (Three Piece), Add	*166.69*	
		For Black Aluminum Frames (Three Piece), Add	*254.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	785.53	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*86.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*68.87*	
		For Type 304 Stainless Steel Frame, Add	*1,043.69*	
		For Type 316 Stainless Steel Frame, Add	*1,215.87*	
		For Baked Enamel Finish, Add	*203.92*	
		For 18 Gauge Frame, Deduct	*-57.40*	
		For 14 Gauge Frame, Add	*143.49*	
		For 12 Gauge Frame, Add	*218.10*	
		For Clear Aluminum Frames (Three Piece), Add	*169.32*	
		For Black Aluminum Frames (Three Piece), Add	*258.28*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	799.86	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*87.43*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*69.94*	
		For Type 304 Stainless Steel Frame, Add	*1,059.98*	
		For Type 316 Stainless Steel Frame, Add	*1,234.84*	
		For Baked Enamel Finish, Add	*207.41*	
		For 18 Gauge Frame, Deduct	*-58.29*	
		For 14 Gauge Frame, Add	*145.71*	
		For 12 Gauge Frame, Add	*221.48*	
		For Clear Aluminum Frames (Three Piece), Add	*171.94*	
		For Black Aluminum Frames (Three Piece), Add	*262.28*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	850.74	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*93.43*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*74.75*	
		For Type 304 Stainless Steel Frame, Add	*1,132.59*	
		For Type 316 Stainless Steel Frame, Add	*1,319.46*	
		For Baked Enamel Finish, Add	*221.04*	
		For 18 Gauge Frame, Deduct	*-62.29*	
		For 14 Gauge Frame, Add	*155.72*	
		For 12 Gauge Frame, Add	*236.70*	
		For Clear Aluminum Frames (Three Piece), Add	*183.75*	
		For Black Aluminum Frames (Three Piece), Add	*280.30*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	861.59	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*93.43*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*74.75*	
		For Type 304 Stainless Steel Frame, Add	*1,133.14*	
		For Type 316 Stainless Steel Frame, Add	*1,320.00*	
		For Baked Enamel Finish, Add	*222.67*	
		For 18 Gauge Frame, Deduct	*-62.29*	
		For 14 Gauge Frame, Add	*155.72*	
		For 12 Gauge Frame, Add	*236.70*	
		For Clear Aluminum Frames (Three Piece), Add	*183.75*	
		For Black Aluminum Frames (Three Piece), Add	*280.30*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	894.70	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*96.77*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*77.42*	
		For Type 304 Stainless Steel Frame, Add	*1,173.73*	
		For Type 316 Stainless Steel Frame, Add	*1,367.27*	
		For Baked Enamel Finish, Add	*230.98*	
		For 18 Gauge Frame, Deduct	*-64.51*	
		For 14 Gauge Frame, Add	*161.29*	
		For 12 Gauge Frame, Add	*245.15*	
		For Clear Aluminum Frames (Three Piece), Add	*190.32*	
		For Black Aluminum Frames (Three Piece), Add	*290.31*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	927.80	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.11*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*80.09*	
		For Type 304 Stainless Steel Frame, Add	*1,214.32*	
		For Type 316 Stainless Steel Frame, Add	*1,414.54*	
		For Baked Enamel Finish, Add	*239.28*	
		For 18 Gauge Frame, Deduct	*-66.74*	
		For 14 Gauge Frame, Add	*166.85*	
		For 12 Gauge Frame, Add	*253.61*	
		For Clear Aluminum Frames (Three Piece), Add	*196.88*	
		For Black Aluminum Frames (Three Piece), Add	*300.33*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	938.64	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.11*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*80.09*	
		For Type 304 Stainless Steel Frame, Add	*1,214.86*	
		For Type 316 Stainless Steel Frame, Add	*1,415.08*	
		For Baked Enamel Finish, Add	*240.90*	
		For 18 Gauge Frame, Deduct	*-66.74*	
		For 14 Gauge Frame, Add	*166.85*	
		For 12 Gauge Frame, Add	*253.61*	
		For Clear Aluminum Frames (Three Piece), Add	*196.88*	
		For Black Aluminum Frames (Three Piece), Add	*300.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	955.19	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*101.78*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*81.42*	
		For Type 304 Stainless Steel Frame, Add	*1,235.15*	
		For Type 316 Stainless Steel Frame, Add	*1,438.71*	
		For Baked Enamel Finish, Add	*245.06*	
		For 18 Gauge Frame, Deduct	*-67.85*	
		For 14 Gauge Frame, Add	*169.63*	
		For 12 Gauge Frame, Add	*257.83*	
		For Clear Aluminum Frames (Three Piece), Add	*200.16*	
		For Black Aluminum Frames (Three Piece), Add	*305.33*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	971.74	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.44*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*82.76*	
		For Type 304 Stainless Steel Frame, Add	*1,255.44*	
		For Type 316 Stainless Steel Frame, Add	*1,462.33*	
		For Baked Enamel Finish, Add	*249.21*	
		For 18 Gauge Frame, Deduct	*-68.96*	
		For 14 Gauge Frame, Add	*172.41*	
		For 12 Gauge Frame, Add	*262.06*	
		For Clear Aluminum Frames (Three Piece), Add	*203.44*	
		For Black Aluminum Frames (Three Piece), Add	*310.33*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,021.65	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*110.12*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*88.09*	
		For Type 304 Stainless Steel Frame, Add	*1,335.79*	
		For Type 316 Stainless Steel Frame, Add	*1,556.03*	
		For Baked Enamel Finish, Add	*263.37*	
		For 18 Gauge Frame, Deduct	*-73.41*	
		For 14 Gauge Frame, Add	*183.53*	
		For 12 Gauge Frame, Add	*278.97*	
		For Clear Aluminum Frames (Three Piece), Add	*216.57*	
		For Black Aluminum Frames (Three Piece), Add	*330.35*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,071.58	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.79*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*93.43*	
		For Type 304 Stainless Steel Frame, Add	*1,416.16*	
		For Type 316 Stainless Steel Frame, Add	*1,649.75*	
		For Baked Enamel Finish, Add	*277.53*	
		For 18 Gauge Frame, Deduct	*-77.86*	
		For 14 Gauge Frame, Add	*194.66*	
		For 12 Gauge Frame, Add	*295.88*	
		For Clear Aluminum Frames (Three Piece), Add	*229.69*	
		For Black Aluminum Frames (Three Piece), Add	*350.38*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	629.92	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*70.08*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*56.06*	
		For Type 304 Stainless Steel Frame, Add	*849.04*	
		For Type 316 Stainless Steel Frame, Add	*989.19*	
		For Baked Enamel Finish, Add	*164.56*	
		For 18 Gauge Frame, Deduct	*-46.72*	
		For 14 Gauge Frame, Add	*116.79*	
		For 12 Gauge Frame, Add	*177.52*	
		For Clear Aluminum Frames (Three Piece), Add	*137.82*	
		For Black Aluminum Frames (Three Piece), Add	*210.23*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	735.18	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*83.42*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*66.74*	
		For Type 304 Stainless Steel Frame, Add	*1,010.02*	
		For Type 316 Stainless Steel Frame, Add	*1,176.87*	
		For Baked Enamel Finish, Add	*193.70*	
		For 18 Gauge Frame, Deduct	*-55.62*	
		For 14 Gauge Frame, Add	*139.04*	
		For 12 Gauge Frame, Add	*211.34*	
		For Clear Aluminum Frames (Three Piece), Add	*164.06*	
		For Black Aluminum Frames (Three Piece), Add	*250.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	754.93	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*84.76*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*67.81*	
		For Type 304 Stainless Steel Frame, Add	*1,026.58*	
		For Type 316 Stainless Steel Frame, Add	*1,196.10*	
		For Baked Enamel Finish, Add	*198.00*	
		For 18 Gauge Frame, Deduct	*-56.51*	
		For 14 Gauge Frame, Add	*141.26*	
		For 12 Gauge Frame, Add	*214.72*	
		For Clear Aluminum Frames (Three Piece), Add	*166.69*	
		For Black Aluminum Frames (Three Piece), Add	*254.27*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	771.20	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*84.76*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*67.81*	
		For Type 304 Stainless Steel Frame, Add	*1,027.40*	
		For Type 316 Stainless Steel Frame, Add	*1,196.91*	
		For Baked Enamel Finish, Add	*200.44*	
		For 18 Gauge Frame, Deduct	*-56.51*	
		For 14 Gauge Frame, Add	*141.26*	
		For 12 Gauge Frame, Add	*214.72*	
		For Clear Aluminum Frames (Three Piece), Add	*166.69*	
		For Black Aluminum Frames (Three Piece), Add	*254.27*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	785.53	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*86.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*68.87*	
		For Type 304 Stainless Steel Frame, Add	*1,043.69*	
		For Type 316 Stainless Steel Frame, Add	*1,215.87*	
		For Baked Enamel Finish, Add	*203.92*	
		For 18 Gauge Frame, Deduct	*-57.40*	
		For 14 Gauge Frame, Add	*143.49*	
		For 12 Gauge Frame, Add	*218.10*	
		For Clear Aluminum Frames (Three Piece), Add	*169.32*	
		For Black Aluminum Frames (Three Piece), Add	*258.28*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	799.86	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*87.43*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*69.94*	
		For Type 304 Stainless Steel Frame, Add	*1,059.98*	
		For Type 316 Stainless Steel Frame, Add	*1,234.84*	
		For Baked Enamel Finish, Add	*207.41*	
		For 18 Gauge Frame, Deduct	*-58.29*	
		For 14 Gauge Frame, Add	*145.71*	
		For 12 Gauge Frame, Add	*221.48*	
		For Clear Aluminum Frames (Three Piece), Add	*171.94*	
		For Black Aluminum Frames (Three Piece), Add	*262.28*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	850.74	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*93.43*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*74.75*	
		For Type 304 Stainless Steel Frame, Add	*1,132.59*	
		For Type 316 Stainless Steel Frame, Add	*1,319.46*	
		For Baked Enamel Finish, Add	*221.04*	
		For 18 Gauge Frame, Deduct	*-62.29*	
		For 14 Gauge Frame, Add	*155.72*	
		For 12 Gauge Frame, Add	*236.70*	
		For Clear Aluminum Frames (Three Piece), Add	*183.75*	
		For Black Aluminum Frames (Three Piece), Add	*280.30*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	861.59	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*93.43*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*74.75*	
		For Type 304 Stainless Steel Frame, Add	*1,133.14*	
		For Type 316 Stainless Steel Frame, Add	*1,320.00*	
		For Baked Enamel Finish, Add	*222.67*	
		For 18 Gauge Frame, Deduct	*-62.29*	
		For 14 Gauge Frame, Add	*155.72*	
		For 12 Gauge Frame, Add	*236.70*	
		For Clear Aluminum Frames (Three Piece), Add	*183.75*	
		For Black Aluminum Frames (Three Piece), Add	*280.30*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	894.70	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*96.77*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*77.42*	
		For Type 304 Stainless Steel Frame, Add	*1,173.73*	
		For Type 316 Stainless Steel Frame, Add	*1,367.27*	
		For Baked Enamel Finish, Add	*230.98*	
		For 18 Gauge Frame, Deduct	*-64.51*	
		For 14 Gauge Frame, Add	*161.29*	
		For 12 Gauge Frame, Add	*245.15*	
		For Clear Aluminum Frames (Three Piece), Add	*190.32*	
		For Black Aluminum Frames (Three Piece), Add	*290.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	927.80	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.11*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*80.09*	
		For Type 304 Stainless Steel Frame, Add	*1,214.32*	
		For Type 316 Stainless Steel Frame, Add	*1,414.54*	
		For Baked Enamel Finish, Add	*239.28*	
		For 18 Gauge Frame, Deduct	*-66.74*	
		For 14 Gauge Frame, Add	*166.85*	
		For 12 Gauge Frame, Add	*253.61*	
		For Clear Aluminum Frames (Three Piece), Add	*196.88*	
		For Black Aluminum Frames (Three Piece), Add	*300.33*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	938.64	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.11*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*80.09*	
		For Type 304 Stainless Steel Frame, Add	*1,214.86*	
		For Type 316 Stainless Steel Frame, Add	*1,415.08*	
		For Baked Enamel Finish, Add	*240.90*	
		For 18 Gauge Frame, Deduct	*-66.74*	
		For 14 Gauge Frame, Add	*166.85*	
		For 12 Gauge Frame, Add	*253.61*	
		For Clear Aluminum Frames (Three Piece), Add	*196.88*	
		For Black Aluminum Frames (Three Piece), Add	*300.33*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	955.19	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*101.78*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*81.42*	
		For Type 304 Stainless Steel Frame, Add	*1,235.15*	
		For Type 316 Stainless Steel Frame, Add	*1,438.71*	
		For Baked Enamel Finish, Add	*245.06*	
		For 18 Gauge Frame, Deduct	*-67.85*	
		For 14 Gauge Frame, Add	*169.63*	
		For 12 Gauge Frame, Add	*257.83*	
		For Clear Aluminum Frames (Three Piece), Add	*200.16*	
		For Black Aluminum Frames (Three Piece), Add	*305.33*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	971.74	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.44*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*82.76*	
		For Type 304 Stainless Steel Frame, Add	*1,255.44*	
		For Type 316 Stainless Steel Frame, Add	*1,462.33*	
		For Baked Enamel Finish, Add	*249.21*	
		For 18 Gauge Frame, Deduct	*-68.96*	
		For 14 Gauge Frame, Add	*172.41*	
		For 12 Gauge Frame, Add	*262.06*	
		For Clear Aluminum Frames (Three Piece), Add	*203.44*	
		For Black Aluminum Frames (Three Piece), Add	*310.33*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,021.65	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*110.12*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*88.09*	
		For Type 304 Stainless Steel Frame, Add	*1,335.79*	
		For Type 316 Stainless Steel Frame, Add	*1,556.03*	
		For Baked Enamel Finish, Add	*263.37*	
		For 18 Gauge Frame, Deduct	*-73.41*	
		For 14 Gauge Frame, Add	*183.53*	
		For 12 Gauge Frame, Add	*278.97*	
		For Clear Aluminum Frames (Three Piece), Add	*216.57*	
		For Black Aluminum Frames (Three Piece), Add	*330.35*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,071.58	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.79*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*93.43*	
		For Type 304 Stainless Steel Frame, Add	*1,416.16*	
		For Type 316 Stainless Steel Frame, Add	*1,649.75*	
		For Baked Enamel Finish, Add	*277.53*	
		For 18 Gauge Frame, Deduct	*-77.86*	
		For 14 Gauge Frame, Add	*194.66*	
		For 12 Gauge Frame, Add	*295.88*	
		For Clear Aluminum Frames (Three Piece), Add	*229.69*	
		For Black Aluminum Frames (Three Piece), Add	*350.38*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	681.83	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*77.86*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*62.29*	
		For Type 304 Stainless Steel Frame, Add	*942.48*	
		For Type 316 Stainless Steel Frame, Add	*1,098.21*	
		For Baked Enamel Finish, Add	*180.14*	
		For 18 Gauge Frame, Deduct	*-51.91*	
		For 14 Gauge Frame, Add	*129.77*	
		For 12 Gauge Frame, Add	*197.25*	
		For Clear Aluminum Frames (Three Piece), Add	*153.13*	
		For Black Aluminum Frames (Three Piece), Add	*233.59*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	796.98	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*92.69*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*74.15*	
		For Type 304 Stainless Steel Frame, Add	*1,121.26*	
		For Type 316 Stainless Steel Frame, Add	*1,306.65*	
		For Baked Enamel Finish, Add	*212.24*	
		For 18 Gauge Frame, Deduct	*-61.80*	
		For 14 Gauge Frame, Add	*154.49*	
		For 12 Gauge Frame, Add	*234.82*	
		For Clear Aluminum Frames (Three Piece), Add	*182.30*	
		For Black Aluminum Frames (Three Piece), Add	*278.08*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	817.72	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.18*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*75.34*	
		For Type 304 Stainless Steel Frame, Add	*1,139.61*	
		For Type 316 Stainless Steel Frame, Add	*1,327.96*	
		For Baked Enamel Finish, Add	*216.83*	
		For 18 Gauge Frame, Deduct	*-62.78*	
		For 14 Gauge Frame, Add	*156.96*	
		For 12 Gauge Frame, Add	*238.58*	
		For Clear Aluminum Frames (Three Piece), Add	*185.21*	
		For Black Aluminum Frames (Three Piece), Add	*282.53*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	833.99	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.18*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*75.34*	
		For Type 304 Stainless Steel Frame, Add	*1,140.42*	
		For Type 316 Stainless Steel Frame, Add	*1,328.77*	
		For Baked Enamel Finish, Add	*219.27*	
		For 18 Gauge Frame, Deduct	*-62.78*	
		For 14 Gauge Frame, Add	*156.96*	
		For 12 Gauge Frame, Add	*238.58*	
		For Clear Aluminum Frames (Three Piece), Add	*185.21*	
		For Black Aluminum Frames (Three Piece), Add	*282.53*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	849.30	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*95.66*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*76.53*	
		For Type 304 Stainless Steel Frame, Add	*1,158.48*	
		For Type 316 Stainless Steel Frame, Add	*1,349.79*	
		For Baked Enamel Finish, Add	*223.05*	
		For 18 Gauge Frame, Deduct	*-63.77*	
		For 14 Gauge Frame, Add	*159.43*	
		For 12 Gauge Frame, Add	*242.33*	
		For Clear Aluminum Frames (Three Piece), Add	*188.13*	
		For Black Aluminum Frames (Three Piece), Add	*286.97*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	864.62	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*97.14*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*77.71*	
		For Type 304 Stainless Steel Frame, Add	*1,176.55*	
		For Type 316 Stainless Steel Frame, Add	*1,370.83*	
		For Baked Enamel Finish, Add	*226.83*	
		For 18 Gauge Frame, Deduct	*-64.76*	
		For 14 Gauge Frame, Add	*161.90*	
		For 12 Gauge Frame, Add	*246.09*	
		For Clear Aluminum Frames (Three Piece), Add	*191.04*	
		For Black Aluminum Frames (Three Piece), Add	*291.42*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	919.95	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.82*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*83.05*	
		For Type 304 Stainless Steel Frame, Add	*1,257.17*	
		For Type 316 Stainless Steel Frame, Add	*1,464.80*	
		For Baked Enamel Finish, Add	*241.81*	
		For 18 Gauge Frame, Deduct	*-69.21*	
		For 14 Gauge Frame, Add	*173.03*	
		For 12 Gauge Frame, Add	*263.00*	
		For Clear Aluminum Frames (Three Piece), Add	*204.17*	
		For Black Aluminum Frames (Three Piece), Add	*311.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	930.80	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.82*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*83.05*	
		For Type 304 Stainless Steel Frame, Add	*1,257.72*	
		For Type 316 Stainless Steel Frame, Add	*1,465.35*	
		For Baked Enamel Finish, Add	*243.44*	
		For 18 Gauge Frame, Deduct	*-69.21*	
		For 14 Gauge Frame, Add	*173.03*	
		For 12 Gauge Frame, Add	*263.00*	
		For Clear Aluminum Frames (Three Piece), Add	*204.17*	
		For Black Aluminum Frames (Three Piece), Add	*311.45*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	966.38	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*107.52*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*86.02*	
		For Type 304 Stainless Steel Frame, Add	*1,302.75*	
		For Type 316 Stainless Steel Frame, Add	*1,517.80*	
		For Baked Enamel Finish, Add	*252.48*	
		For 18 Gauge Frame, Deduct	*-71.68*	
		For 14 Gauge Frame, Add	*179.21*	
		For 12 Gauge Frame, Add	*272.39*	
		For Clear Aluminum Frames (Three Piece), Add	*211.46*	
		For Black Aluminum Frames (Three Piece), Add	*322.57*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,001.95	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*111.23*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*88.98*	
		For Type 304 Stainless Steel Frame, Add	*1,347.79*	
		For Type 316 Stainless Steel Frame, Add	*1,570.25*	
		For Baked Enamel Finish, Add	*261.52*	
		For 18 Gauge Frame, Deduct	*-74.15*	
		For 14 Gauge Frame, Add	*185.39*	
		For 12 Gauge Frame, Add	*281.79*	
		For Clear Aluminum Frames (Three Piece), Add	*218.75*	
		For Black Aluminum Frames (Three Piece), Add	*333.69*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,012.79	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*111.23*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*88.98*	
		For Type 304 Stainless Steel Frame, Add	*1,348.33*	
		For Type 316 Stainless Steel Frame, Add	*1,570.80*	
		For Baked Enamel Finish, Add	*263.15*	
		For 18 Gauge Frame, Deduct	*-74.15*	
		For 14 Gauge Frame, Add	*185.39*	
		For 12 Gauge Frame, Add	*281.79*	
		For Clear Aluminum Frames (Three Piece), Add	*218.75*	
		For Black Aluminum Frames (Three Piece), Add	*333.69*	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,030.58	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*90.47*	
		For Type 304 Stainless Steel Frame, Add	*1,370.85*	
		For Type 316 Stainless Steel Frame, Add	*1,597.02*	
		For Baked Enamel Finish, Add	*267.67*	
		For 18 Gauge Frame, Deduct	*-75.39*	
		For 14 Gauge Frame, Add	*188.48*	
		For 12 Gauge Frame, Add	*286.48*	
		For Clear Aluminum Frames (Three Piece), Add	*222.40*	
		For Black Aluminum Frames (Three Piece), Add	*339.26*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,048.37	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.94*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*91.95*	
		For Type 304 Stainless Steel Frame, Add	*1,393.37*	
		For Type 316 Stainless Steel Frame, Add	*1,623.25*	
		For Baked Enamel Finish, Add	*272.19*	
		For 18 Gauge Frame, Deduct	*-76.63*	
		For 14 Gauge Frame, Add	*191.57*	
		For 12 Gauge Frame, Add	*291.18*	
		For Clear Aluminum Frames (Three Piece), Add	*226.05*	
		For Black Aluminum Frames (Three Piece), Add	*344.82*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,103.22	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.35*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*97.88*	
		For Type 304 Stainless Steel Frame, Add	*1,482.62*	
		For Type 316 Stainless Steel Frame, Add	*1,727.33*	
		For Baked Enamel Finish, Add	*287.84*	
		For 18 Gauge Frame, Deduct	*-81.57*	
		For 14 Gauge Frame, Add	*203.92*	
		For 12 Gauge Frame, Add	*309.96*	
		For Clear Aluminum Frames (Three Piece), Add	*240.63*	
		For Black Aluminum Frames (Three Piece), Add	*367.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,158.09	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.77*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*103.82*	
		For Type 304 Stainless Steel Frame, Add	*1,571.88*	
		For Type 316 Stainless Steel Frame, Add	*1,831.42*	
		For Baked Enamel Finish, Add	*303.48*	
		For 18 Gauge Frame, Deduct	*-86.51*	
		For 14 Gauge Frame, Add	*216.28*	
		For 12 Gauge Frame, Add	*328.75*	
		For Clear Aluminum Frames (Three Piece), Add	*255.21*	
		For Black Aluminum Frames (Three Piece), Add	*389.31*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	902.33	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*110.94*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*88.75*	
		For Type 304 Stainless Steel Frame, Add	*1,339.38*	
		For Type 316 Stainless Steel Frame, Add	*1,561.26*	
		For Baked Enamel Finish, Add	*246.29*	
		For 18 Gauge Frame, Deduct	*-73.96*	
		For 14 Gauge Frame, Add	*184.90*	
		For 12 Gauge Frame, Add	*281.04*	
		For Clear Aluminum Frames (Three Piece), Add	*218.18*	
		For Black Aluminum Frames (Three Piece), Add	*332.81*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,059.48	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*132.07*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*105.65*	
		For Type 304 Stainless Steel Frame, Add	*1,593.76*	
		For Type 316 Stainless Steel Frame, Add	*1,857.90*	
		For Baked Enamel Finish, Add	*290.99*	
		For 18 Gauge Frame, Deduct	*-88.05*	
		For 14 Gauge Frame, Add	*220.11*	
		For 12 Gauge Frame, Add	*334.57*	
		For Clear Aluminum Frames (Three Piece), Add	*259.73*	
		For Black Aluminum Frames (Three Piece), Add	*396.20*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,084.42	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.18*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*107.34*	
		For Type 304 Stainless Steel Frame, Add	*1,619.67*	
		For Type 316 Stainless Steel Frame, Add	*1,888.03*	
		For Baked Enamel Finish, Add	*296.84*	
		For 18 Gauge Frame, Deduct	*-89.45*	
		For 14 Gauge Frame, Add	*223.64*	
		For 12 Gauge Frame, Add	*339.93*	
		For Clear Aluminum Frames (Three Piece), Add	*263.89*	
		For Black Aluminum Frames (Three Piece), Add	*402.54*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,100.69	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.18*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*107.34*	
		For Type 304 Stainless Steel Frame, Add	*1,620.48*	
		For Type 316 Stainless Steel Frame, Add	*1,888.84*	
		For Baked Enamel Finish, Add	*299.28*	
		For 18 Gauge Frame, Deduct	*-89.45*	
		For 14 Gauge Frame, Add	*223.64*	
		For 12 Gauge Frame, Add	*339.93*	
		For Clear Aluminum Frames (Three Piece), Add	*263.89*	
		For Black Aluminum Frames (Three Piece), Add	*402.54*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,120.21	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*136.29*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*109.04*	
		For Type 304 Stainless Steel Frame, Add	*1,646.11*	
		For Type 316 Stainless Steel Frame, Add	*1,918.70*	
		For Baked Enamel Finish, Add	*304.33*	
		For 18 Gauge Frame, Deduct	*-90.86*	
		For 14 Gauge Frame, Add	*227.16*	
		For 12 Gauge Frame, Add	*345.28*	
		For Clear Aluminum Frames (Three Piece), Add	*268.05*	
		For Black Aluminum Frames (Three Piece), Add	*408.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,139.73	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*138.41*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*110.73*	
		For Type 304 Stainless Steel Frame, Add	*1,671.75*	
		For Type 316 Stainless Steel Frame, Add	*1,948.56*	
		For Baked Enamel Finish, Add	*309.37*	
		For 18 Gauge Frame, Deduct	*-92.27*	
		For 14 Gauge Frame, Add	*230.68*	
		For 12 Gauge Frame, Add	*350.63*	
		For Clear Aluminum Frames (Three Piece), Add	*272.20*	
		For Black Aluminum Frames (Three Piece), Add	*415.22*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,213.96	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*147.92*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*118.33*	
		For Type 304 Stainless Steel Frame, Add	*1,786.39*	
		For Type 316 Stainless Steel Frame, Add	*2,082.22*	
		For Baked Enamel Finish, Add	*330.01*	
		For 18 Gauge Frame, Deduct	*-98.61*	
		For 14 Gauge Frame, Add	*246.53*	
		For 12 Gauge Frame, Add	*374.72*	
		For Clear Aluminum Frames (Three Piece), Add	*290.90*	
		For Black Aluminum Frames (Three Piece), Add	*443.75*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,224.81	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*147.92*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*118.33*	
		For Type 304 Stainless Steel Frame, Add	*1,786.93*	
		For Type 316 Stainless Steel Frame, Add	*2,082.77*	
		For Baked Enamel Finish, Add	*331.64*	
		For 18 Gauge Frame, Deduct	*-98.61*	
		For 14 Gauge Frame, Add	*246.53*	
		For 12 Gauge Frame, Add	*374.72*	
		For Clear Aluminum Frames (Three Piece), Add	*290.90*	
		For Black Aluminum Frames (Three Piece), Add	*443.75*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,270.89	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*153.20*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*122.56*	
		For Type 304 Stainless Steel Frame, Add	*1,850.87*	
		For Type 316 Stainless Steel Frame, Add	*2,157.27*	
		For Baked Enamel Finish, Add	*343.83*	
		For 18 Gauge Frame, Deduct	*-102.13*	
		For 14 Gauge Frame, Add	*255.33*	
		For 12 Gauge Frame, Add	*388.11*	
		For Clear Aluminum Frames (Three Piece), Add	*301.29*	
		For Black Aluminum Frames (Three Piece), Add	*459.60*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,316.95	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.48*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*126.78*	
		For Type 304 Stainless Steel Frame, Add	*1,914.79*	
		For Type 316 Stainless Steel Frame, Add	*2,231.75*	
		For Baked Enamel Finish, Add	*356.02*	
		For 18 Gauge Frame, Deduct	*-105.65*	
		For 14 Gauge Frame, Add	*264.14*	
		For 12 Gauge Frame, Add	*401.49*	
		For Clear Aluminum Frames (Three Piece), Add	*311.68*	
		For Black Aluminum Frames (Three Piece), Add	*475.44*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,327.79	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.48*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*126.78*	
		For Type 304 Stainless Steel Frame, Add	*1,915.33*	
		For Type 316 Stainless Steel Frame, Add	*2,232.30*	
		For Baked Enamel Finish, Add	*357.65*	
		For 18 Gauge Frame, Deduct	*-105.65*	
		For 14 Gauge Frame, Add	*264.14*	
		For 12 Gauge Frame, Add	*401.49*	
		For Clear Aluminum Frames (Three Piece), Add	*311.68*	
		For Black Aluminum Frames (Three Piece), Add	*475.44*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,350.83	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*161.12*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*128.90*	
		For Type 304 Stainless Steel Frame, Add	*1,947.30*	
		For Type 316 Stainless Steel Frame, Add	*2,269.55*	
		For Baked Enamel Finish, Add	*363.75*	
		For 18 Gauge Frame, Deduct	*-107.42*	
		For 14 Gauge Frame, Add	*268.54*	
		For 12 Gauge Frame, Add	*408.18*	
		For Clear Aluminum Frames (Three Piece), Add	*316.87*	
		For Black Aluminum Frames (Three Piece), Add	*483.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,373.87	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*163.76*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*131.01*	
		For Type 304 Stainless Steel Frame, Add	*1,979.27*	
		For Type 316 Stainless Steel Frame, Add	*2,306.80*	
		For Baked Enamel Finish, Add	*369.84*	
		For 18 Gauge Frame, Deduct	*-109.18*	
		For 14 Gauge Frame, Add	*272.94*	
		For 12 Gauge Frame, Add	*414.87*	
		For Clear Aluminum Frames (Three Piece), Add	*322.07*	
		For Black Aluminum Frames (Three Piece), Add	*491.29*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,449.72	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*174.33*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*139.46*	
		For Type 304 Stainless Steel Frame, Add	*2,106.32*	
		For Type 316 Stainless Steel Frame, Add	*2,454.98*	
		For Baked Enamel Finish, Add	*391.79*	
		For 18 Gauge Frame, Deduct	*-116.22*	
		For 14 Gauge Frame, Add	*290.55*	
		For 12 Gauge Frame, Add	*441.63*	
		For Clear Aluminum Frames (Three Piece), Add	*342.85*	
		For Black Aluminum Frames (Three Piece), Add	*522.99*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,525.60	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.90*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*147.92*	
		For Type 304 Stainless Steel Frame, Add	*2,233.40*	
		For Type 316 Stainless Steel Frame, Add	*2,603.19*	
		For Baked Enamel Finish, Add	*413.74*	
		For 18 Gauge Frame, Deduct	*-123.26*	
		For 14 Gauge Frame, Add	*308.16*	
		For 12 Gauge Frame, Add	*468.40*	
		For Clear Aluminum Frames (Three Piece), Add	*363.63*	
		For Black Aluminum Frames (Three Piece), Add	*554.69*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	984.51	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.26*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*98.61*	
		For Type 304 Stainless Steel Frame, Add	*1,487.31*	
		For Type 316 Stainless Steel Frame, Add	*1,733.83*	
		For Baked Enamel Finish, Add	*270.94*	
		For 18 Gauge Frame, Deduct	*-82.18*	
		For 14 Gauge Frame, Add	*205.44*	
		For 12 Gauge Frame, Add	*312.27*	
		For Clear Aluminum Frames (Three Piece), Add	*242.42*	
		For Black Aluminum Frames (Three Piece), Add	*369.79*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,157.31	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.74*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*117.39*	
		For Type 304 Stainless Steel Frame, Add	*1,769.86*	
		For Type 316 Stainless Steel Frame, Add	*2,063.34*	
		For Baked Enamel Finish, Add	*320.34*	
		For 18 Gauge Frame, Deduct	*-97.83*	
		For 14 Gauge Frame, Add	*244.57*	
		For 12 Gauge Frame, Add	*371.75*	
		For Clear Aluminum Frames (Three Piece), Add	*288.59*	
		For Black Aluminum Frames (Three Piece), Add	*440.23*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,183.81	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*119.27*	
		For Type 304 Stainless Steel Frame, Add	*1,798.57*	
		For Type 316 Stainless Steel Frame, Add	*2,096.75*	
		For Baked Enamel Finish, Add	*326.66*	
		For 18 Gauge Frame, Deduct	*-99.39*	
		For 14 Gauge Frame, Add	*248.48*	
		For 12 Gauge Frame, Add	*377.69*	
		For Clear Aluminum Frames (Three Piece), Add	*293.21*	
		For Black Aluminum Frames (Three Piece), Add	*447.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,200.08	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*119.27*	
		For Type 304 Stainless Steel Frame, Add	*1,799.38*	
		For Type 316 Stainless Steel Frame, Add	*2,097.56*	
		For Baked Enamel Finish, Add	*329.10*	
		For 18 Gauge Frame, Deduct	*-99.39*	
		For 14 Gauge Frame, Add	*248.48*	
		For 12 Gauge Frame, Add	*377.69*	
		For Clear Aluminum Frames (Three Piece), Add	*293.21*	
		For Black Aluminum Frames (Three Piece), Add	*447.27*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,221.17	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*151.44*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*121.15*	
		For Type 304 Stainless Steel Frame, Add	*1,827.84*	
		For Type 316 Stainless Steel Frame, Add	*2,130.72*	
		For Baked Enamel Finish, Add	*334.61*	
		For 18 Gauge Frame, Deduct	*-100.96*	
		For 14 Gauge Frame, Add	*252.40*	
		For 12 Gauge Frame, Add	*383.64*	
		For Clear Aluminum Frames (Three Piece), Add	*297.83*	
		For Black Aluminum Frames (Three Piece), Add	*454.32*	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,242.25	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*153.79*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*123.03*	
		For Type 304 Stainless Steel Frame, Add	*1,856.28*	
		For Type 316 Stainless Steel Frame, Add	*2,163.85*	
		For Baked Enamel Finish, Add	*340.12*	
		For 18 Gauge Frame, Deduct	*-102.52*	
		For 14 Gauge Frame, Add	*256.31*	
		For 12 Gauge Frame, Add	*389.59*	
		For Clear Aluminum Frames (Three Piece), Add	*302.45*	
		For Black Aluminum Frames (Three Piece), Add	*461.36*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,323.53	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*164.35*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*131.48*	
		For Type 304 Stainless Steel Frame, Add	*1,983.62*	
		For Type 316 Stainless Steel Frame, Add	*2,312.32*	
		For Baked Enamel Finish, Add	*362.88*	
		For 18 Gauge Frame, Deduct	*-109.57*	
		For 14 Gauge Frame, Add	*273.92*	
		For 12 Gauge Frame, Add	*416.36*	
		For Clear Aluminum Frames (Three Piece), Add	*323.23*	
		For Black Aluminum Frames (Three Piece), Add	*493.06*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,334.38	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*164.35*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*131.48*	
		For Type 304 Stainless Steel Frame, Add	*1,984.16*	
		For Type 316 Stainless Steel Frame, Add	*2,312.86*	
		For Baked Enamel Finish, Add	*364.51*	
		For 18 Gauge Frame, Deduct	*-109.57*	
		For 14 Gauge Frame, Add	*273.92*	
		For 12 Gauge Frame, Add	*416.36*	
		For Clear Aluminum Frames (Three Piece), Add	*323.23*	
		For Black Aluminum Frames (Three Piece), Add	*493.06*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,384.37	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*170.22*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*136.18*	
		For Type 304 Stainless Steel Frame, Add	*2,055.14*	
		For Type 316 Stainless Steel Frame, Add	*2,395.58*	
		For Baked Enamel Finish, Add	*377.88*	
		For 18 Gauge Frame, Deduct	*-113.48*	
		For 14 Gauge Frame, Add	*283.70*	
		For 12 Gauge Frame, Add	*431.23*	
		For Clear Aluminum Frames (Three Piece), Add	*334.77*	
		For Black Aluminum Frames (Three Piece), Add	*510.66*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,434.35	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*140.87*	
		For Type 304 Stainless Steel Frame, Add	*2,126.11*	
		For Type 316 Stainless Steel Frame, Add	*2,478.29*	
		For Baked Enamel Finish, Add	*391.24*	
		For 18 Gauge Frame, Deduct	*-117.39*	
		For 14 Gauge Frame, Add	*293.49*	
		For 12 Gauge Frame, Add	*446.10*	
		For Clear Aluminum Frames (Three Piece), Add	*346.31*	
		For Black Aluminum Frames (Three Piece), Add	*528.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,445.19	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*140.87*	
		For Type 304 Stainless Steel Frame, Add	*2,126.65*	
		For Type 316 Stainless Steel Frame, Add	*2,478.84*	
		For Baked Enamel Finish, Add	*392.87*	
		For 18 Gauge Frame, Deduct	*-117.39*	
		For 14 Gauge Frame, Add	*293.49*	
		For 12 Gauge Frame, Add	*446.10*	
		For Clear Aluminum Frames (Three Piece), Add	*346.31*	
		For Black Aluminum Frames (Three Piece), Add	*528.27*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,470.18	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.03*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*143.22*	
		For Type 304 Stainless Steel Frame, Add	*2,162.13*	
		For Type 316 Stainless Steel Frame, Add	*2,520.18*	
		For Baked Enamel Finish, Add	*399.55*	
		For 18 Gauge Frame, Deduct	*-119.35*	
		For 14 Gauge Frame, Add	*298.38*	
		For 12 Gauge Frame, Add	*453.53*	
		For Clear Aluminum Frames (Three Piece), Add	*352.08*	
		For Black Aluminum Frames (Three Piece), Add	*537.08*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,495.18	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.96*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*145.57*	
		For Type 304 Stainless Steel Frame, Add	*2,197.63*	
		For Type 316 Stainless Steel Frame, Add	*2,561.55*	
		For Baked Enamel Finish, Add	*406.24*	
		For 18 Gauge Frame, Deduct	*-121.31*	
		For 14 Gauge Frame, Add	*303.27*	
		For 12 Gauge Frame, Add	*460.97*	
		For Clear Aluminum Frames (Three Piece), Add	*357.86*	
		For Black Aluminum Frames (Three Piece), Add	*545.88*	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,578.85	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.70*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*154.96*	
		For Type 304 Stainless Steel Frame, Add	*2,338.75*	
		For Type 316 Stainless Steel Frame, Add	*2,726.15*	
		For Baked Enamel Finish, Add	*430.53*	
		For 18 Gauge Frame, Deduct	*-129.13*	
		For 14 Gauge Frame, Add	*322.83*	
		For 12 Gauge Frame, Add	*490.70*	
		For Clear Aluminum Frames (Three Piece), Add	*380.94*	
		For Black Aluminum Frames (Three Piece), Add	*581.09*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,662.55	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*205.44*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*164.35*	
		For Type 304 Stainless Steel Frame, Add	*2,479.91*	
		For Type 316 Stainless Steel Frame, Add	*2,890.79*	
		For Baked Enamel Finish, Add	*454.82*	
		For 18 Gauge Frame, Deduct	*-136.96*	
		For 14 Gauge Frame, Add	*342.40*	
		For 12 Gauge Frame, Add	*520.44*	
		For Clear Aluminum Frames (Three Piece), Add	*404.03*	
		For Black Aluminum Frames (Three Piece), Add	*616.32*	
08 12 13 13-0100		6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101		6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*		
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	957.80	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*119.26*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*95.41*	
		For Type 304 Stainless Steel Frame, Add	*1,439.23*	
		For Type 316 Stainless Steel Frame, Add	*1,677.74*	
		For Baked Enamel Finish, Add	*262.93*	
		For 18 Gauge Frame, Deduct	*-79.51*	
		For 14 Gauge Frame, Add	*198.76*	
		For 12 Gauge Frame, Add	*302.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,125.52	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*141.97*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*113.58*	
		For Type 304 Stainless Steel Frame, Add	*1,712.63*	
		For Type 316 Stainless Steel Frame, Add	*1,996.58*	
		For Baked Enamel Finish, Add	*310.80*	
		For 18 Gauge Frame, Deduct	*-94.65*	
		For 14 Gauge Frame, Add	*236.62*	
		For 12 Gauge Frame, Add	*359.67*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,151.51	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.24*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*115.40*	
		For Type 304 Stainless Steel Frame, Add	*1,740.43*	
		For Type 316 Stainless Steel Frame, Add	*2,028.92*	
		For Baked Enamel Finish, Add	*316.97*	
		For 18 Gauge Frame, Deduct	*-96.16*	
		For 14 Gauge Frame, Add	*240.41*	
		For 12 Gauge Frame, Add	*365.42*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,167.78	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.24*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*115.40*	
		For Type 304 Stainless Steel Frame, Add	*1,741.24*	
		For Type 316 Stainless Steel Frame, Add	*2,029.73*	
		For Baked Enamel Finish, Add	*319.41*	
		For 18 Gauge Frame, Deduct	*-96.16*	
		For 14 Gauge Frame, Add	*240.41*	
		For 12 Gauge Frame, Add	*365.42*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,188.36	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.52*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*117.21*	
		For Type 304 Stainless Steel Frame, Add	*1,768.78*	
		For Type 316 Stainless Steel Frame, Add	*2,061.82*	
		For Baked Enamel Finish, Add	*324.77*	
		For 18 Gauge Frame, Deduct	*-97.68*	
		For 14 Gauge Frame, Add	*244.20*	
		For 12 Gauge Frame, Add	*371.18*	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,208.93	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.79*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*119.03*	
		For Type 304 Stainless Steel Frame, Add	*1,796.31*	
		For Type 316 Stainless Steel Frame, Add	*2,093.88*	
		For Baked Enamel Finish, Add	*330.13*	
		For 18 Gauge Frame, Deduct	*-99.19*	
		For 14 Gauge Frame, Add	*247.98*	
		For 12 Gauge Frame, Add	*376.93*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,287.92	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*159.01*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*127.21*	
		For Type 304 Stainless Steel Frame, Add	*1,919.52*	
		For Type 316 Stainless Steel Frame, Add	*2,237.54*	
		For Baked Enamel Finish, Add	*352.20*	
		For 18 Gauge Frame, Deduct	*-106.01*	
		For 14 Gauge Frame, Add	*265.02*	
		For 12 Gauge Frame, Add	*402.83*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,298.77	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*159.01*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*127.21*	
		For Type 304 Stainless Steel Frame, Add	*1,920.06*	
		For Type 316 Stainless Steel Frame, Add	*2,238.08*	
		For Baked Enamel Finish, Add	*353.83*	
		For 18 Gauge Frame, Deduct	*-106.01*	
		For 14 Gauge Frame, Add	*265.02*	
		For 12 Gauge Frame, Add	*402.83*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,347.49	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*164.69*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*131.75*	
		For Type 304 Stainless Steel Frame, Add	*1,988.75*	
		For Type 316 Stainless Steel Frame, Add	*2,318.13*	
		For Baked Enamel Finish, Add	*366.81*	
		For 18 Gauge Frame, Deduct	*-109.79*	
		For 14 Gauge Frame, Add	*274.48*	
		For 12 Gauge Frame, Add	*417.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,396.20	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*170.37*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*136.29*	
		For Type 304 Stainless Steel Frame, Add	*2,057.44*	
		For Type 316 Stainless Steel Frame, Add	*2,398.18*	
		For Baked Enamel Finish, Add	*379.80*	
		For 18 Gauge Frame, Deduct	*-113.58*	
		For 14 Gauge Frame, Add	*283.95*	
		For 12 Gauge Frame, Add	*431.60*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,407.04	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*170.37*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*136.29*	
		For Type 304 Stainless Steel Frame, Add	*2,057.98*	
		For Type 316 Stainless Steel Frame, Add	*2,398.72*	
		For Baked Enamel Finish, Add	*381.42*	
		For 18 Gauge Frame, Deduct	*-113.58*	
		For 14 Gauge Frame, Add	*283.95*	
		For 12 Gauge Frame, Add	*431.60*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,431.40	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*173.21*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*138.57*	
		For Type 304 Stainless Steel Frame, Add	*2,092.33*	
		For Type 316 Stainless Steel Frame, Add	*2,438.75*	
		For Baked Enamel Finish, Add	*387.92*	
		For 18 Gauge Frame, Deduct	*-115.47*	
		For 14 Gauge Frame, Add	*288.68*	
		For 12 Gauge Frame, Add	*438.79*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,455.76	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.05*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*140.84*	
		For Type 304 Stainless Steel Frame, Add	*2,126.68*	
		For Type 316 Stainless Steel Frame, Add	*2,478.77*	
		For Baked Enamel Finish, Add	*394.41*	
		For 18 Gauge Frame, Deduct	*-117.37*	
		For 14 Gauge Frame, Add	*293.41*	
		For 12 Gauge Frame, Add	*445.99*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,536.89	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.40*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*149.92*	
		For Type 304 Stainless Steel Frame, Add	*2,263.22*	
		For Type 316 Stainless Steel Frame, Add	*2,638.03*	
		For Baked Enamel Finish, Add	*417.94*	
		For 18 Gauge Frame, Deduct	*-124.94*	
		For 14 Gauge Frame, Add	*312.34*	
		For 12 Gauge Frame, Add	*474.76*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,618.04	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.76*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*159.01*	
		For Type 304 Stainless Steel Frame, Add	*2,399.79*	
		For Type 316 Stainless Steel Frame, Add	*2,797.32*	
		For Baked Enamel Finish, Add	*441.47*	
		For 18 Gauge Frame, Deduct	*-132.51*	
		For 14 Gauge Frame, Add	*331.27*	
		For 12 Gauge Frame, Add	*503.53*	
08 12 13 13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*		
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,046.14	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*132.51*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*106.01*	
		For Type 304 Stainless Steel Frame, Add	*1,598.24*	
		For Type 316 Stainless Steel Frame, Add	*1,863.26*	
		For Baked Enamel Finish, Add	*289.43*	
		For 18 Gauge Frame, Deduct	*-88.34*	
		For 14 Gauge Frame, Add	*220.85*	
		For 12 Gauge Frame, Add	*335.69*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,230.68	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*157.75*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*126.20*	
		For Type 304 Stainless Steel Frame, Add	*1,901.92*	
		For Type 316 Stainless Steel Frame, Add	*2,217.42*	
		For Baked Enamel Finish, Add	*342.35*	
		For 18 Gauge Frame, Deduct	*-105.17*	
		For 14 Gauge Frame, Add	*262.91*	
		For 12 Gauge Frame, Add	*399.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.36	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.27*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*128.22*	
		For Type 304 Stainless Steel Frame, Add	*1,932.76*	
		For Type 316 Stainless Steel Frame, Add	*2,253.30*	
		For Baked Enamel Finish, Add	*349.03*	
		For 18 Gauge Frame, Deduct	*-106.85*	
		For 14 Gauge Frame, Add	*267.12*	
		For 12 Gauge Frame, Add	*406.02*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,274.63	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.27*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*128.22*	
		For Type 304 Stainless Steel Frame, Add	*1,933.57*	
		For Type 316 Stainless Steel Frame, Add	*2,254.12*	
		For Baked Enamel Finish, Add	*351.47*	
		For 18 Gauge Frame, Deduct	*-106.85*	
		For 14 Gauge Frame, Add	*267.12*	
		For 12 Gauge Frame, Add	*406.02*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,296.89	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*162.80*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*130.24*	
		For Type 304 Stainless Steel Frame, Add	*1,964.14*	
		For Type 316 Stainless Steel Frame, Add	*2,289.73*	
		For Baked Enamel Finish, Add	*357.33*	
		For 18 Gauge Frame, Deduct	*-108.53*	
		For 14 Gauge Frame, Add	*271.33*	
		For 12 Gauge Frame, Add	*412.42*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,319.14	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.32*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*132.26*	
		For Type 304 Stainless Steel Frame, Add	*1,994.68*	
		For Type 316 Stainless Steel Frame, Add	*2,325.32*	
		For Baked Enamel Finish, Add	*363.19*	
		For 18 Gauge Frame, Deduct	*-110.21*	
		For 14 Gauge Frame, Add	*275.53*	
		For 12 Gauge Frame, Add	*418.81*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,405.70	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.68*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*141.34*	
		For Type 304 Stainless Steel Frame, Add	*2,131.52*	
		For Type 316 Stainless Steel Frame, Add	*2,484.88*	
		For Baked Enamel Finish, Add	*387.53*	
		For 18 Gauge Frame, Deduct	*-117.79*	
		For 14 Gauge Frame, Add	*294.46*	
		For 12 Gauge Frame, Add	*447.58*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,416.55	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.68*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*141.34*	
		For Type 304 Stainless Steel Frame, Add	*2,132.07*	
		For Type 316 Stainless Steel Frame, Add	*2,485.42*	
		For Baked Enamel Finish, Add	*389.16*	
		For 18 Gauge Frame, Deduct	*-117.79*	
		For 14 Gauge Frame, Add	*294.46*	
		For 12 Gauge Frame, Add	*447.58*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,469.48	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*182.99*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*146.39*	
		For Type 304 Stainless Steel Frame, Add	*2,208.33*	
		For Type 316 Stainless Steel Frame, Add	*2,574.31*	
		For Baked Enamel Finish, Add	*403.41*	
		For 18 Gauge Frame, Deduct	*-121.99*	
		For 14 Gauge Frame, Add	*304.98*	
		For 12 Gauge Frame, Add	*463.57*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,522.39	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*189.30*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*151.44*	
		For Type 304 Stainless Steel Frame, Add	*2,284.58*	
		For Type 316 Stainless Steel Frame, Add	*2,663.18*	
		For Baked Enamel Finish, Add	*417.66*	
		For 18 Gauge Frame, Deduct	*-126.20*	
		For 14 Gauge Frame, Add	*315.50*	
		For 12 Gauge Frame, Add	*479.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,533.23	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*189.30*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*151.44*	
		For Type 304 Stainless Steel Frame, Add	*2,285.13*	
		For Type 316 Stainless Steel Frame, Add	*2,663.72*	
		For Baked Enamel Finish, Add	*419.28*	
		For 18 Gauge Frame, Deduct	*-126.20*	
		For 14 Gauge Frame, Add	*315.50*	
		For 12 Gauge Frame, Add	*479.55*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,559.70	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*192.45*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*153.96*	
		For Type 304 Stainless Steel Frame, Add	*2,323.27*	
		For Type 316 Stainless Steel Frame, Add	*2,708.18*	
		For Baked Enamel Finish, Add	*426.41*	
		For 18 Gauge Frame, Deduct	*-128.30*	
		For 14 Gauge Frame, Add	*320.76*	
		For 12 Gauge Frame, Add	*487.55*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,586.16	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.61*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*156.49*	
		For Type 304 Stainless Steel Frame, Add	*2,361.40*	
		For Type 316 Stainless Steel Frame, Add	*2,752.61*	
		For Baked Enamel Finish, Add	*433.53*	
		For 18 Gauge Frame, Deduct	*-130.41*	
		For 14 Gauge Frame, Add	*326.01*	
		For 12 Gauge Frame, Add	*495.54*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,675.70	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*208.23*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*166.58*	
		For Type 304 Stainless Steel Frame, Add	*2,513.08*	
		For Type 316 Stainless Steel Frame, Add	*2,929.53*	
		For Baked Enamel Finish, Add	*459.58*	
		For 18 Gauge Frame, Deduct	*-138.82*	
		For 14 Gauge Frame, Add	*347.04*	
		For 12 Gauge Frame, Add	*527.50*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,765.27	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.85*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*176.68*	
		For Type 304 Stainless Steel Frame, Add	*2,664.81*	
		For Type 316 Stainless Steel Frame, Add	*3,106.50*	
		For Baked Enamel Finish, Add	*485.64*	
		For 18 Gauge Frame, Deduct	*-147.23*	
		For 14 Gauge Frame, Add	*368.08*	
		For 12 Gauge Frame, Add	*559.48*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	994.78	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*124.80*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*99.84*	
		For Type 304 Stainless Steel Frame, Add	*1,505.79*	
		For Type 316 Stainless Steel Frame, Add	*1,755.40*	
		For Baked Enamel Finish, Add	*274.02*	
		For 18 Gauge Frame, Deduct	*-83.20*	
		For 14 Gauge Frame, Add	*208.01*	
		For 12 Gauge Frame, Add	*316.17*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,169.54	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.58*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*118.86*	
		For Type 304 Stainless Steel Frame, Add	*1,791.87*	
		For Type 316 Stainless Steel Frame, Add	*2,089.02*	
		For Baked Enamel Finish, Add	*324.01*	
		For 18 Gauge Frame, Deduct	*-99.05*	
		For 14 Gauge Frame, Add	*247.63*	
		For 12 Gauge Frame, Add	*376.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,196.24	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.95*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*120.76*	
		For Type 304 Stainless Steel Frame, Add	*1,820.94*	
		For Type 316 Stainless Steel Frame, Add	*2,122.85*	
		For Baked Enamel Finish, Add	*330.39*	
		For 18 Gauge Frame, Deduct	*-100.64*	
		For 14 Gauge Frame, Add	*251.59*	
		For 12 Gauge Frame, Add	*382.42*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,212.51	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.95*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*120.76*	
		For Type 304 Stainless Steel Frame, Add	*1,821.76*	
		For Type 316 Stainless Steel Frame, Add	*2,123.66*	
		For Baked Enamel Finish, Add	*332.83*	
		For 18 Gauge Frame, Deduct	*-100.64*	
		For 14 Gauge Frame, Add	*251.59*	
		For 12 Gauge Frame, Add	*382.42*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,233.79	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*153.33*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*122.67*	
		For Type 304 Stainless Steel Frame, Add	*1,850.56*	
		For Type 316 Stainless Steel Frame, Add	*2,157.22*	
		For Baked Enamel Finish, Add	*338.40*	
		For 18 Gauge Frame, Deduct	*-102.22*	
		For 14 Gauge Frame, Add	*255.55*	
		For 12 Gauge Frame, Add	*388.44*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,255.07	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*155.71*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*124.57*	
		For Type 304 Stainless Steel Frame, Add	*1,879.36*	
		For Type 316 Stainless Steel Frame, Add	*2,190.78*	
		For Baked Enamel Finish, Add	*343.97*	
		For 18 Gauge Frame, Deduct	*-103.81*	
		For 14 Gauge Frame, Add	*259.52*	
		For 12 Gauge Frame, Add	*394.46*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,337.22	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*166.41*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*133.12*	
		For Type 304 Stainless Steel Frame, Add	*2,008.26*	
		For Type 316 Stainless Steel Frame, Add	*2,341.07*	
		For Baked Enamel Finish, Add	*366.99*	
		For 18 Gauge Frame, Deduct	*-110.94*	
		For 14 Gauge Frame, Add	*277.34*	
		For 12 Gauge Frame, Add	*421.56*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,348.07	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*166.41*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*133.12*	
		For Type 304 Stainless Steel Frame, Add	*2,008.80*	
		For Type 316 Stainless Steel Frame, Add	*2,341.61*	
		For Baked Enamel Finish, Add	*368.62*	
		For 18 Gauge Frame, Deduct	*-110.94*	
		For 14 Gauge Frame, Add	*277.34*	
		For 12 Gauge Frame, Add	*421.56*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,398.55	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*172.35*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*137.88*	
		For Type 304 Stainless Steel Frame, Add	*2,080.66*	
		For Type 316 Stainless Steel Frame, Add	*2,425.36*	
		For Baked Enamel Finish, Add	*382.13*	
		For 18 Gauge Frame, Deduct	*-114.90*	
		For 14 Gauge Frame, Add	*287.25*	
		For 12 Gauge Frame, Add	*436.62*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,449.02	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*178.29*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*142.63*	
		For Type 304 Stainless Steel Frame, Add	*2,152.52*	
		For Type 316 Stainless Steel Frame, Add	*2,509.10*	
		For Baked Enamel Finish, Add	*395.64*	
		For 18 Gauge Frame, Deduct	*-118.86*	
		For 14 Gauge Frame, Add	*297.15*	
		For 12 Gauge Frame, Add	*451.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,459.86	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*178.29*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*142.63*	
		For Type 304 Stainless Steel Frame, Add	*2,153.06*	
		For Type 316 Stainless Steel Frame, Add	*2,509.64*	
		For Baked Enamel Finish, Add	*397.27*	
		For 18 Gauge Frame, Deduct	*-118.86*	
		For 14 Gauge Frame, Add	*297.15*	
		For 12 Gauge Frame, Add	*451.67*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,485.10	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.26*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*145.01*	
		For Type 304 Stainless Steel Frame, Add	*2,188.99*	
		For Type 316 Stainless Steel Frame, Add	*2,551.52*	
		For Baked Enamel Finish, Add	*404.03*	
		For 18 Gauge Frame, Deduct	*-120.84*	
		For 14 Gauge Frame, Add	*302.11*	
		For 12 Gauge Frame, Add	*459.20*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,510.34	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.23*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*147.39*	
		For Type 304 Stainless Steel Frame, Add	*2,224.92*	
		For Type 316 Stainless Steel Frame, Add	*2,593.39*	
		For Baked Enamel Finish, Add	*410.79*	
		For 18 Gauge Frame, Deduct	*-122.82*	
		For 14 Gauge Frame, Add	*307.06*	
		For 12 Gauge Frame, Add	*466.73*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,594.99	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*196.12*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*156.90*	
		For Type 304 Stainless Steel Frame, Add	*2,367.80*	
		For Type 316 Stainless Steel Frame, Add	*2,760.04*	
		For Baked Enamel Finish, Add	*435.37*	
		For 18 Gauge Frame, Deduct	*-130.75*	
		For 14 Gauge Frame, Add	*326.87*	
		For 12 Gauge Frame, Add	*496.83*	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,679.68	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*208.01*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*166.41*	
		For Type 304 Stainless Steel Frame, Add	*2,510.74*	
		For Type 316 Stainless Steel Frame, Add	*2,926.76*	
		For Baked Enamel Finish, Add	*459.96*	
		For 18 Gauge Frame, Deduct	*-138.67*	
		For 14 Gauge Frame, Add	*346.68*	
		For 12 Gauge Frame, Add	*526.95*	
08 12 13 13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*		
08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,087.23	81.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*138.67*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*110.94*	
		For Type 304 Stainless Steel Frame, Add	*1,672.20*	
		For Type 316 Stainless Steel Frame, Add	*1,949.55*	
		For Baked Enamel Finish, Add	*301.76*	
		For 18 Gauge Frame, Deduct	*-92.45*	
		For 14 Gauge Frame, Add	*231.12*	
		For 12 Gauge Frame, Add	*351.30*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,279.60	89.51
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.09*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*132.07*	
		For Type 304 Stainless Steel Frame, Add	*1,989.98*	
		For Type 316 Stainless Steel Frame, Add	*2,320.15*	
		For Baked Enamel Finish, Add	*357.03*	
		For 18 Gauge Frame, Deduct	*-110.06*	
		For 14 Gauge Frame, Add	*275.14*	
		For 12 Gauge Frame, Add	*418.22*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,308.06	94.94
		For Auxiliary Frame Reinforcement For Hinges, Add	*167.73*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*134.18*	
		For Type 304 Stainless Steel Frame, Add	*2,022.22*	
		For Type 316 Stainless Steel Frame, Add	*2,357.67*	
		For Baked Enamel Finish, Add	*363.94*	
		For 18 Gauge Frame, Deduct	*-111.82*	
		For 14 Gauge Frame, Add	*279.55*	
		For 12 Gauge Frame, Add	*424.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,324.33	103.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*167.73*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*134.18*	
		For Type 304 Stainless Steel Frame, Add	*2,023.03*	
		For Type 316 Stainless Steel Frame, Add	*2,358.49*	
		For Baked Enamel Finish, Add	*366.38*	
		For 18 Gauge Frame, Deduct	*-111.82*	
		For 14 Gauge Frame, Add	*279.55*	
		For 12 Gauge Frame, Add	*424.91*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,347.37	105.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*170.37*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*136.29*	
		For Type 304 Stainless Steel Frame, Add	*2,055.00*	
		For Type 316 Stainless Steel Frame, Add	*2,395.74*	
		For Baked Enamel Finish, Add	*372.47*	
		For 18 Gauge Frame, Deduct	*-113.58*	
		For 14 Gauge Frame, Add	*283.95*	
		For 12 Gauge Frame, Add	*431.60*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,370.40	108.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*173.01*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*138.41*	
		For Type 304 Stainless Steel Frame, Add	*2,086.95*	
		For Type 316 Stainless Steel Frame, Add	*2,432.97*	
		For Baked Enamel Finish, Add	*378.57*	
		For 18 Gauge Frame, Deduct	*-115.34*	
		For 14 Gauge Frame, Add	*288.35*	
		For 12 Gauge Frame, Add	*438.29*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,460.49	113.93
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.90*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*147.92*	
		For Type 304 Stainless Steel Frame, Add	*2,230.14*	
		For Type 316 Stainless Steel Frame, Add	*2,599.94*	
		For Baked Enamel Finish, Add	*403.97*	
		For 18 Gauge Frame, Deduct	*-123.26*	
		For 14 Gauge Frame, Add	*308.16*	
		For 12 Gauge Frame, Add	*468.40*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,471.34	119.36
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.90*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*147.92*	
		For Type 304 Stainless Steel Frame, Add	*2,230.69*	
		For Type 316 Stainless Steel Frame, Add	*2,600.48*	
		For Baked Enamel Finish, Add	*405.60*	
		For 18 Gauge Frame, Deduct	*-123.26*	
		For 14 Gauge Frame, Add	*308.16*	
		For 12 Gauge Frame, Add	*468.40*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,526.22	124.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*191.50*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*153.20*	
		For Type 304 Stainless Steel Frame, Add	*2,310.47*	
		For Type 316 Stainless Steel Frame, Add	*2,693.46*	
		For Baked Enamel Finish, Add	*420.43*	
		For 18 Gauge Frame, Deduct	*-127.67*	
		For 14 Gauge Frame, Add	*319.17*	
		For 12 Gauge Frame, Add	*485.13*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,581.09	130.20
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.10*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*158.48*	
		For Type 304 Stainless Steel Frame, Add	*2,390.24*	
		For Type 316 Stainless Steel Frame, Add	*2,786.45*	
		For Baked Enamel Finish, Add	*435.27*	
		For 18 Gauge Frame, Deduct	*-132.07*	
		For 14 Gauge Frame, Add	*330.17*	
		For 12 Gauge Frame, Add	*501.86*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,591.93	135.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.10*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*158.48*	
		For Type 304 Stainless Steel Frame, Add	*2,390.79*	
		For Type 316 Stainless Steel Frame, Add	*2,786.99*	
		For Baked Enamel Finish, Add	*436.89*	
		For 18 Gauge Frame, Deduct	*-132.07*	
		For 14 Gauge Frame, Add	*330.17*	
		For 12 Gauge Frame, Add	*501.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,619.37	138.34
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.40*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*161.12*	
		For Type 304 Stainless Steel Frame, Add	*2,430.68*	
		For Type 316 Stainless Steel Frame, Add	*2,833.48*	
		For Baked Enamel Finish, Add	*444.31*	
		For 18 Gauge Frame, Deduct	*-134.27*	
		For 14 Gauge Frame, Add	*335.67*	
		For 12 Gauge Frame, Add	*510.22*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,646.81	141.05
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.71*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*163.76*	
		For Type 304 Stainless Steel Frame, Add	*2,470.57*	
		For Type 316 Stainless Steel Frame, Add	*2,879.98*	
		For Baked Enamel Finish, Add	*451.73*	
		For 18 Gauge Frame, Deduct	*-136.47*	
		For 14 Gauge Frame, Add	*341.18*	
		For 12 Gauge Frame, Add	*518.59*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,740.26	143.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.91*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*174.33*	
		For Type 304 Stainless Steel Frame, Add	*2,629.29*	
		For Type 316 Stainless Steel Frame, Add	*3,065.11*	
		For Baked Enamel Finish, Add	*478.95*	
		For 18 Gauge Frame, Deduct	*-145.27*	
		For 14 Gauge Frame, Add	*363.18*	
		For 12 Gauge Frame, Add	*552.04*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,833.75	146.48
		For Auxiliary Frame Reinforcement For Hinges, Add	*231.12*	
		For Welded Frames, Add	*245.10*	
		For Galvanized Frames, Add	*184.89*	
		For Type 304 Stainless Steel Frame, Add	*2,788.07*	
		For Type 316 Stainless Steel Frame, Add	*3,250.31*	
		For Baked Enamel Finish, Add	*506.18*	
		For 18 Gauge Frame, Deduct	*-154.08*	
		For 14 Gauge Frame, Add	*385.20*	
		For 12 Gauge Frame, Add	*585.50*	
08 12 13 13-0166		**Sidelights And Transoms** *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167		**Fixed Steel Transoms** *(08 12 13 13-0166)*		
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	105.22	15.19
		For Movable Frame, Add	*21.04*	
		For 18 Gauge Frame, Deduct	*-7.48*	
		For 14 Gauge Frame, Add	*18.71*	
		For 12 Gauge Frame, Add	*28.44*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	109.96	15.73
		For Movable Frame, Add	*21.99*	
		For 18 Gauge Frame, Deduct	*-7.85*	
		For 14 Gauge Frame, Add	*19.63*	
		For 12 Gauge Frame, Add	*29.83*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	115.01	16.28
		For Movable Frame, Add	*23.00*	
		For 18 Gauge Frame, Deduct	*-8.25*	
		For 14 Gauge Frame, Add	*20.62*	
		For 12 Gauge Frame, Add	*31.33*	
08 12 13 13-0171		**Operable Steel Transom Sash** *(08 12 13 13-0166)*		
		Note: Includes hardware.		
08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	155.76	15.19
		For 18 Gauge Frame, Deduct	*-12.54*	
		For 14 Gauge Frame, Add	*31.34*	
		For 12 Gauge Frame, Add	*47.64*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	163.12	15.73
		For 18 Gauge Frame, Deduct	*-13.17*	
		For 14 Gauge Frame, Add	*32.92*	
		For 12 Gauge Frame, Add	*50.03*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	170.77	16.28
		For 18 Gauge Frame, Deduct	*-13.82*	
		For 14 Gauge Frame, Add	*34.56*	
		For 12 Gauge Frame, Add	*52.52*	
08 12 13 13-0175		**Sidelights, Steel Frame** *(08 12 13 13-0166)*		
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	110.79	15.19
		For 18 Gauge Frame, Deduct	*-8.04*	
		For 14 Gauge Frame, Add	*20.10*	
		For 12 Gauge Frame, Add	*30.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	115.90	15.73
		For 18 Gauge Frame, Deduct	*-8.44*	
		For 14 Gauge Frame, Add	*21.11*	
		For 12 Gauge Frame, Add	*32.09*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	121.18	16.28
		For 18 Gauge Frame, Deduct	*-8.86*	
		For 14 Gauge Frame, Add	*22.16*	
		For 12 Gauge Frame, Add	*33.68*	

08 12 13 13-0179 Sundry Hollow Metal Frame Sections *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions *(08 12 13 13-0179)*

08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	35.15	6.07
		For 18 Gauge Frame, Deduct	*-1.99*	
		For 14 Gauge Frame, Add	*4.97*	
		For 12 Gauge Frame, Add	*7.55*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	35.96	6.07
		For 18 Gauge Frame, Deduct	*-2.07*	
		For 14 Gauge Frame, Add	*5.17*	
		For 12 Gauge Frame, Add	*7.86*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	35.59	6.29
		For 18 Gauge Frame, Deduct	*-1.99*	
		For 14 Gauge Frame, Add	*4.97*	
		For 12 Gauge Frame, Add	*7.55*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	36.83	6.29
		For 18 Gauge Frame, Deduct	*-2.11*	
		For 14 Gauge Frame, Add	*5.28*	
		For 12 Gauge Frame, Add	*8.02*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	36.94	6.41
		For 18 Gauge Frame, Deduct	*-2.09*	
		For 14 Gauge Frame, Add	*5.22*	
		For 12 Gauge Frame, Add	*7.93*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	37.41	6.41
		For 18 Gauge Frame, Deduct	*-2.13*	
		For 14 Gauge Frame, Add	*5.34*	
		For 12 Gauge Frame, Add	*8.11*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails *(08 12 13 13-0179)*

08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	25.22	6.07
		For 18 Gauge Frame, Deduct	*-0.99*	
		For 14 Gauge Frame, Add	*2.49*	
		For 12 Gauge Frame, Add	*3.78*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	26.23	6.07
		For 18 Gauge Frame, Deduct	*-1.10*	
		For 14 Gauge Frame, Add	*2.74*	
		For 12 Gauge Frame, Add	*4.16*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	25.66	6.29
		For 18 Gauge Frame, Deduct	*-0.99*	
		For 14 Gauge Frame, Add	*2.49*	
		For 12 Gauge Frame, Add	*3.78*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	26.67	6.29
		For 18 Gauge Frame, Deduct	*-1.10*	
		For 14 Gauge Frame, Add	*2.74*	
		For 12 Gauge Frame, Add	*4.16*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	26.50	6.41
		For 18 Gauge Frame, Deduct	*-1.04*	
		For 14 Gauge Frame, Add	*2.61*	
		For 12 Gauge Frame, Add	*3.96*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	27.38	6.41
		For 18 Gauge Frame, Deduct	*-1.13*	
		For 14 Gauge Frame, Add	*2.83*	
		For 12 Gauge Frame, Add	*4.30*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions *(08 12 13 13-0179)*		
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	894.94	42.53
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	926.40	42.53
		For 18 Gauge Frame, Deduct	*-82.01*	
		For 14 Gauge Frame, Add	*205.02*	
		For 12 Gauge Frame, Add	*311.63*	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,025.14	44.49
		For 18 Gauge Frame, Deduct	*-91.56*	
		For 14 Gauge Frame, Add	*228.89*	
		For 12 Gauge Frame, Add	*347.91*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,053.23	44.49
		For 18 Gauge Frame, Deduct	*-94.36*	
		For 14 Gauge Frame, Add	*235.91*	
		For 12 Gauge Frame, Add	*358.58*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,190.13	45.57
		For 18 Gauge Frame, Deduct	*-107.62*	
		For 14 Gauge Frame, Add	*269.05*	
		For 12 Gauge Frame, Add	*408.96*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,209.22	45.57
		For 18 Gauge Frame, Deduct	*-109.53*	
		For 14 Gauge Frame, Add	*273.82*	
		For 12 Gauge Frame, Add	*416.21*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0201		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	35.67	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001 Two Piece Aluminum Door Frames *(08 12 16)*

08 12 16 00-0002 4-1/8" x 3/8" Two Piece Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0003	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	2,990.71	59.67
08 12 16 00-0004	EA	Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	2,990.71	59.67

08 12 16 00-0005 4-3/4" x 1-3/8" Two Piece Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0006	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	2,990.71	59.67
08 12 16 00-0007	EA	Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	2,990.71	59.67

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13		**Hollow Metal Doors** *(08 13)*		
08 13 13 13		**Standard Hollow Metal Doors** *(08 13 13)*		
		Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.		
08 13 13 13-0001		20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*		
08 13 13 13-0002		6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*		
08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	577.48	59.67
		For Galvanized Steel Door, Add	*91.62*	
		For Type 304 Stainless Steel Door, Add	*366.50*	
		For Type 316 Stainless Steel Door, Add	*595.56*	
		For Embossed Panel Door, Add	*109.95*	
		For Baked Enamel Finish, Add	*155.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-31.86*	
		For >100, Deduct	*-46.30*	
		For Polystyrene Core, Add	*45.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.27*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	577.48	59.67
		For Galvanized Steel Door, Add	*91.62*	
		For Type 304 Stainless Steel Door, Add	*366.50*	
		For Type 316 Stainless Steel Door, Add	*595.56*	
		For Embossed Panel Door, Add	*109.95*	
		For Baked Enamel Finish, Add	*155.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-31.86*	
		For >100, Deduct	*-46.30*	
		For Polystyrene Core, Add	*45.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.27*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	592.26	62.39
		For Galvanized Steel Door, Add	*93.50*	
		For Type 304 Stainless Steel Door, Add	*373.99*	
		For Type 316 Stainless Steel Door, Add	*607.74*	
		For Embossed Panel Door, Add	*112.20*	
		For Baked Enamel Finish, Add	*158.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.73*	
		For >100, Deduct	*-47.54*	
		For Polystyrene Core, Add	*46.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.87*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.44*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	599.24	62.39
		For Galvanized Steel Door, Add	*94.89*	
		For Type 304 Stainless Steel Door, Add	*379.58*	
		For Type 316 Stainless Steel Door, Add	*616.81*	
		For Embossed Panel Door, Add	*113.87*	
		For Baked Enamel Finish, Add	*161.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.08*	
		For >100, Deduct	*-48.06*	
		For Polystyrene Core, Add	*47.45*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.62*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	604.75	63.74
		For Galvanized Steel Door, Add	*95.45*	
		For Type 304 Stainless Steel Door, Add	*381.81*	
		For Type 316 Stainless Steel Door, Add	*620.44*	
		For Embossed Panel Door, Add	*114.54*	
		For Baked Enamel Finish, Add	*162.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.42*	
		For >100, Deduct	*-48.54*	
		For Polystyrene Core, Add	*47.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.66*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	610.25	65.10
		For Galvanized Steel Door, Add	*96.01*	
		For Type 304 Stainless Steel Door, Add	*384.04*	
		For Type 316 Stainless Steel Door, Add	*624.07*	
		For Embossed Panel Door, Add	*115.21*	
		For Baked Enamel Finish, Add	*163.55*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.77*	
		For >100, Deduct	*-49.02*	
		For Polystyrene Core, Add	*48.01*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.01*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.01*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	646.54	65.10
		For Galvanized Steel Door, Add	*103.27*	
		For Type 304 Stainless Steel Door, Add	*413.07*	
		For Type 316 Stainless Steel Door, Add	*671.24*	
		For Embossed Panel Door, Add	*123.92*	
		For Baked Enamel Finish, Add	*174.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.58*	
		For >100, Deduct	*-51.75*	
		For Polystyrene Core, Add	*51.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.54*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	665.92	67.81
		For Galvanized Steel Door, Add	*106.06*	
		For Type 304 Stainless Steel Door, Add	*424.23*	
		For Type 316 Stainless Steel Door, Add	*689.38*	
		For Embossed Panel Door, Add	*127.27*	
		For Baked Enamel Finish, Add	*179.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.69*	
		For >100, Deduct	*-53.33*	
		For Polystyrene Core, Add	*53.03*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*132.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.29*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	732.59	73.24
		For Galvanized Steel Door, Add	*117.22*	
		For Type 304 Stainless Steel Door, Add	*468.89*	
		For Type 316 Stainless Steel Door, Add	*761.94*	
		For Embossed Panel Door, Add	*140.67*	
		For Baked Enamel Finish, Add	*197.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.29*	
		For >100, Deduct	*-58.61*	
		For Polystyrene Core, Add	*58.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.26*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	589.49	59.67
		For Galvanized Steel Door, Add	*94.03*	
		For Type 304 Stainless Steel Door, Add	*376.10*	
		For Type 316 Stainless Steel Door, Add	*611.17*	
		For Embossed Panel Door, Add	*112.83*	
		For Baked Enamel Finish, Add	*158.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.46*	
		For >100, Deduct	*-47.20*	
		For Polystyrene Core, Add	*47.01*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.77*	
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	589.49	59.67
		For Galvanized Steel Door, Add	*94.03*	
		For Type 304 Stainless Steel Door, Add	*376.10*	
		For Type 316 Stainless Steel Door, Add	*611.17*	
		For Embossed Panel Door, Add	*112.83*	
		For Baked Enamel Finish, Add	*158.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.46*	
		For >100, Deduct	*-47.20*	
		For Polystyrene Core, Add	*47.01*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.77*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	604.51	62.39
		For Galvanized Steel Door, Add	*95.95*	
		For Type 304 Stainless Steel Door, Add	*383.79*	
		For Type 316 Stainless Steel Door, Add	*623.66*	
		For Embossed Panel Door, Add	*115.14*	
		For Baked Enamel Finish, Add	*162.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-48.46*	
		For Polystyrene Core, Add	*47.97*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.94*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.97*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	611.67	62.39
		For Galvanized Steel Door, Add	*97.38*	
		For Type 304 Stainless Steel Door, Add	*389.52*	
		For Type 316 Stainless Steel Door, Add	*632.97*	
		For Embossed Panel Door, Add	*116.86*	
		For Baked Enamel Finish, Add	*164.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.70*	
		For >100, Deduct	*-48.99*	
		For Polystyrene Core, Add	*48.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*121.73*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.86*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	617.25	63.74
		For Galvanized Steel Door, Add	*97.95*	
		For Type 304 Stainless Steel Door, Add	*391.81*	
		For Type 316 Stainless Steel Door, Add	*636.69*	
		For Embossed Panel Door, Add	*117.54*	
		For Baked Enamel Finish, Add	*166.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.05*	
		For >100, Deduct	*-49.48*	
		For Polystyrene Core, Add	*48.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.44*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	622.83	65.10
		For Galvanized Steel Door, Add	*98.53*	
		For Type 304 Stainless Steel Door, Add	*394.10*	
		For Type 316 Stainless Steel Door, Add	*640.42*	
		For Embossed Panel Door, Add	*118.23*	
		For Baked Enamel Finish, Add	*167.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.40*	
		For >100, Deduct	*-49.97*	
		For Polystyrene Core, Add	*49.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.58*	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	660.06	65.10
		For Galvanized Steel Door, Add	*105.97*	
		For Type 304 Stainless Steel Door, Add	*423.89*	
		For Type 316 Stainless Steel Door, Add	*688.82*	
		For Embossed Panel Door, Add	*127.17*	
		For Baked Enamel Finish, Add	*178.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.26*	
		For >100, Deduct	*-52.76*	
		For Polystyrene Core, Add	*52.99*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*132.47*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.23*	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	679.81	67.81
		For Galvanized Steel Door, Add	*108.84*	
		For Type 304 Stainless Steel Door, Add	*435.34*	
		For Type 316 Stainless Steel Door, Add	*707.43*	
		For Embossed Panel Door, Add	*130.60*	
		For Baked Enamel Finish, Add	*183.60*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.38*	
		For >100, Deduct	*-54.38*	
		For Polystyrene Core, Add	*54.42*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.05*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.02*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	747.95	73.24
		For Galvanized Steel Door, Add	*120.29*	
		For Type 304 Stainless Steel Door, Add	*481.18*	
		For Type 316 Stainless Steel Door, Add	*781.91*	
		For Embossed Panel Door, Add	*144.35*	
		For Baked Enamel Finish, Add	*202.41*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.06*	
		For >100, Deduct	*-59.76*	
		For Polystyrene Core, Add	*60.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*150.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*75.18*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	601.15	59.67
		For Galvanized Steel Door, Add	*96.36*	
		For Type 304 Stainless Steel Door, Add	*385.43*	
		For Type 316 Stainless Steel Door, Add	*626.33*	
		For Embossed Panel Door, Add	*115.63*	
		For Baked Enamel Finish, Add	*162.44*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.04*	
		For >100, Deduct	*-48.07*	
		For Polystyrene Core, Add	*48.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	601.15	59.67
		For Galvanized Steel Door, Add	*96.36*	
		For Type 304 Stainless Steel Door, Add	*385.43*	
		For Type 316 Stainless Steel Door, Add	*626.33*	
		For Embossed Panel Door, Add	*115.63*	
		For Baked Enamel Finish, Add	*162.44*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.04*	
		For >100, Deduct	*-48.07*	
		For Polystyrene Core, Add	*48.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.22*	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	616.41	62.39
		For Galvanized Steel Door, Add	*98.33*	
		For Type 304 Stainless Steel Door, Add	*393.31*	
		For Type 316 Stainless Steel Door, Add	*639.13*	
		For Embossed Panel Door, Add	*117.99*	
		For Baked Enamel Finish, Add	*166.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.94*	
		For >100, Deduct	*-49.35*	
		For Polystyrene Core, Add	*49.16*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.46*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	623.75	62.39
		For Galvanized Steel Door, Add	*99.80*	
		For Type 304 Stainless Steel Door, Add	*399.18*	
		For Type 316 Stainless Steel Door, Add	*648.67*	
		For Embossed Panel Door, Add	*119.76*	
		For Baked Enamel Finish, Add	*168.41*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.31*	
		For >100, Deduct	*-49.90*	
		For Polystyrene Core, Add	*49.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*124.75*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.37*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	629.40	63.74
		For Galvanized Steel Door, Add	*100.38*	
		For Type 304 Stainless Steel Door, Add	*401.53*	
		For Type 316 Stainless Steel Door, Add	*652.48*	
		For Embossed Panel Door, Add	*120.46*	
		For Baked Enamel Finish, Add	*169.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.66*	
		For >100, Deduct	*-50.39*	
		For Polystyrene Core, Add	*50.19*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.48*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.74*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	635.05	65.10
		For Galvanized Steel Door, Add	*100.97*	
		For Type 304 Stainless Steel Door, Add	*403.88*	
		For Type 316 Stainless Steel Door, Add	*656.31*	
		For Embossed Panel Door, Add	*121.16*	
		For Baked Enamel Finish, Add	*170.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.01*	
		For >100, Deduct	*-50.88*	
		For Polystyrene Core, Add	*50.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.21*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	673.20	65.10
		For Galvanized Steel Door, Add	*108.60*	
		For Type 304 Stainless Steel Door, Add	*434.40*	
		For Type 316 Stainless Steel Door, Add	*705.90*	
		For Embossed Panel Door, Add	*130.32*	
		For Baked Enamel Finish, Add	*182.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.92*	
		For >100, Deduct	*-53.75*	
		For Polystyrene Core, Add	*54.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*135.75*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.88*	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	693.31	67.81
		For Galvanized Steel Door, Add	*111.54*	
		For Type 304 Stainless Steel Door, Add	*446.14*	
		For Type 316 Stainless Steel Door, Add	*724.98*	
		For Embossed Panel Door, Add	*133.84*	
		For Baked Enamel Finish, Add	*187.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.06*	
		For >100, Deduct	*-55.39*	
		For Polystyrene Core, Add	*55.77*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*139.42*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.71*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	762.86	73.24
		For Galvanized Steel Door, Add	*123.28*	
		For Type 304 Stainless Steel Door, Add	*493.10*	
		For Type 316 Stainless Steel Door, Add	*801.29*	
		For Embossed Panel Door, Add	*147.93*	
		For Baked Enamel Finish, Add	*206.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.81*	
		For >100, Deduct	*-60.88*	
		For Polystyrene Core, Add	*61.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*154.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.05*	
08 13 13 13-0032		18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*		
08 13 13 13-0033		6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*		
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	614.55	59.67
		For Galvanized Steel Door, Add	*99.04*	
		For Type 304 Stainless Steel Door, Add	*396.15*	
		For Type 316 Stainless Steel Door, Add	*643.75*	
		For Embossed Panel Door, Add	*118.85*	
		For Baked Enamel Finish, Add	*166.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.71*	
		For >100, Deduct	*-49.08*	
		For 2" Thick Door, Add	*38.89*	
		For Polystyrene Core, Add	*49.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.80*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.90*	
		For Steel Stiffened, Add	*123.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	614.55	59.67
		For Galvanized Steel Door, Add	*99.04*	
		For Type 304 Stainless Steel Door, Add	*396.15*	
		For Type 316 Stainless Steel Door, Add	*643.75*	
		For Embossed Panel Door, Add	*118.85*	
		For Baked Enamel Finish, Add	*166.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.71*	
		For >100, Deduct	*-49.08*	
		For 2" Thick Door, Add	*38.89*	
		For Polystyrene Core, Add	*49.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.80*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.90*	
		For Steel Stiffened, Add	*123.80*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	630.08	62.39
		For Galvanized Steel Door, Add	*101.06*	
		For Type 304 Stainless Steel Door, Add	*404.25*	
		For Type 316 Stainless Steel Door, Add	*656.90*	
		For Embossed Panel Door, Add	*121.27*	
		For Baked Enamel Finish, Add	*170.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.62*	
		For >100, Deduct	*-50.38*	
		For 2" Thick Door, Add	*39.75*	
		For Polystyrene Core, Add	*50.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.16*	
		For Steel Stiffened, Add	*126.33*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	637.62	62.39
		For Galvanized Steel Door, Add	*102.57*	
		For Type 304 Stainless Steel Door, Add	*410.28*	
		For Type 316 Stainless Steel Door, Add	*666.71*	
		For Embossed Panel Door, Add	*123.08*	
		For Baked Enamel Finish, Add	*172.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.00*	
		For >100, Deduct	*-50.94*	
		For 2" Thick Door, Add	*40.30*	
		For Polystyrene Core, Add	*51.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.21*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.11*	
		For Steel Stiffened, Add	*128.21*	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	643.35	63.74
		For Galvanized Steel Door, Add	*103.17*	
		For Type 304 Stainless Steel Door, Add	*412.69*	
		For Type 316 Stainless Steel Door, Add	*670.62*	
		For Embossed Panel Door, Add	*123.81*	
		For Baked Enamel Finish, Add	*173.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.35*	
		For >100, Deduct	*-51.44*	
		For 2" Thick Door, Add	*40.59*	
		For Polystyrene Core, Add	*51.59*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.97*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.48*	
		For Steel Stiffened, Add	*128.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	649.09	65.10
		For Galvanized Steel Door, Add	*103.78*	
		For Type 304 Stainless Steel Door, Add	*415.11*	
		For Type 316 Stainless Steel Door, Add	*674.56*	
		For Embossed Panel Door, Add	*124.53*	
		For Baked Enamel Finish, Add	*175.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.71*	
		For >100, Deduct	*-51.94*	
		For 2" Thick Door, Add	*40.87*	
		For Polystyrene Core, Add	*51.89*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.72*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.86*	
		For Steel Stiffened, Add	*129.72*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	688.31	65.10
		For Galvanized Steel Door, Add	*111.62*	
		For Type 304 Stainless Steel Door, Add	*446.49*	
		For Type 316 Stainless Steel Door, Add	*725.54*	
		For Embossed Panel Door, Add	*133.95*	
		For Baked Enamel Finish, Add	*186.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.67*	
		For >100, Deduct	*-54.88*	
		For 2" Thick Door, Add	*43.72*	
		For Polystyrene Core, Add	*55.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*139.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.76*	
		For Steel Stiffened, Add	*139.53*	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	708.82	67.81
		For Galvanized Steel Door, Add	*114.64*	
		For Type 304 Stainless Steel Door, Add	*458.55*	
		For Type 316 Stainless Steel Door, Add	*745.15*	
		For Embossed Panel Door, Add	*137.57*	
		For Baked Enamel Finish, Add	*192.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.83*	
		For >100, Deduct	*-56.55*	
		For 2" Thick Door, Add	*44.95*	
		For Polystyrene Core, Add	*57.32*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.65*	
		For Steel Stiffened, Add	*143.30*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	780.01	73.24
		For Galvanized Steel Door, Add	*126.71*	
		For Type 304 Stainless Steel Door, Add	*506.82*	
		For Type 316 Stainless Steel Door, Add	*823.59*	
		For Embossed Panel Door, Add	*152.05*	
		For Baked Enamel Finish, Add	*212.03*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.66*	
		For >100, Deduct	*-62.16*	
		For 2" Thick Door, Add	*49.59*	
		For Polystyrene Core, Add	*63.35*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*158.38*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*79.19*	
		For Steel Stiffened, Add	*158.38*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	626.30	59.67
		For Galvanized Steel Door, Add	*101.39*	
		For Type 304 Stainless Steel Door, Add	*405.55*	
		For Type 316 Stainless Steel Door, Add	*659.02*	
		For Embossed Panel Door, Add	*121.67*	
		For Baked Enamel Finish, Add	*169.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.30*	
		For >100, Deduct	*-49.96*	
		For 2" Thick Door, Add	*39.74*	
		For Polystyrene Core, Add	*50.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.37*	
		For Steel Stiffened, Add	*126.74*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	626.30	59.67
		For Galvanized Steel Door, Add	*101.39*	
		For Type 304 Stainless Steel Door, Add	*405.55*	
		For Type 316 Stainless Steel Door, Add	*659.02*	
		For Embossed Panel Door, Add	*121.67*	
		For Baked Enamel Finish, Add	*169.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.30*	
		For >100, Deduct	*-49.96*	
		For 2" Thick Door, Add	*39.74*	
		For Polystyrene Core, Add	*50.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.37*	
		For Steel Stiffened, Add	*126.74*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	642.08	62.39
		For Galvanized Steel Door, Add	*103.46*	
		For Type 304 Stainless Steel Door, Add	*413.85*	
		For Type 316 Stainless Steel Door, Add	*672.50*	
		For Embossed Panel Door, Add	*124.15*	
		For Baked Enamel Finish, Add	*173.91*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.22*	
		For >100, Deduct	*-51.28*	
		For 2" Thick Door, Add	*40.62*	
		For Polystyrene Core, Add	*51.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.66*	
		For Steel Stiffened, Add	*129.33*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	649.80	62.39
		For Galvanized Steel Door, Add	*105.01*	
		For Type 304 Stainless Steel Door, Add	*420.02*	
		For Type 316 Stainless Steel Door, Add	*682.54*	
		For Embossed Panel Door, Add	*126.01*	
		For Baked Enamel Finish, Add	*176.22*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.61*	
		For >100, Deduct	*-51.85*	
		For 2" Thick Door, Add	*41.18*	
		For Polystyrene Core, Add	*52.50*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.63*	
		For Steel Stiffened, Add	*131.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	655.60	63.74
		For Galvanized Steel Door, Add	*105.62*	
		For Type 304 Stainless Steel Door, Add	*422.49*	
		For Type 316 Stainless Steel Door, Add	*686.54*	
		For Embossed Panel Door, Add	*126.75*	
		For Baked Enamel Finish, Add	*177.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-52.36*	
		For 2" Thick Door, Add	*41.48*	
		For Polystyrene Core, Add	*52.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*132.03*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.01*	
		For Steel Stiffened, Add	*132.03*	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	661.40	65.10
		For Galvanized Steel Door, Add	*106.24*	
		For Type 304 Stainless Steel Door, Add	*424.96*	
		For Type 316 Stainless Steel Door, Add	*690.56*	
		For Embossed Panel Door, Add	*127.49*	
		For Baked Enamel Finish, Add	*178.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.33*	
		For >100, Deduct	*-52.86*	
		For 2" Thick Door, Add	*41.77*	
		For Polystyrene Core, Add	*53.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*132.80*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.40*	
		For Steel Stiffened, Add	*132.80*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	701.55	65.10
		For Galvanized Steel Door, Add	*114.27*	
		For Type 304 Stainless Steel Door, Add	*457.08*	
		For Type 316 Stainless Steel Door, Add	*742.76*	
		For Embossed Panel Door, Add	*137.12*	
		For Baked Enamel Finish, Add	*190.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.33*	
		For >100, Deduct	*-55.87*	
		For 2" Thick Door, Add	*44.68*	
		For Polystyrene Core, Add	*57.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*142.84*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.42*	
		For Steel Stiffened, Add	*142.84*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	722.42	67.81
		For Galvanized Steel Door, Add	*117.36*	
		For Type 304 Stainless Steel Door, Add	*469.43*	
		For Type 316 Stainless Steel Door, Add	*762.83*	
		For Embossed Panel Door, Add	*140.83*	
		For Baked Enamel Finish, Add	*196.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.51*	
		For >100, Deduct	*-57.57*	
		For 2" Thick Door, Add	*45.93*	
		For Polystyrene Core, Add	*58.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.35*	
		For Steel Stiffened, Add	*146.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	795.04	73.24
		For Galvanized Steel Door, Add	*129.71*	
		For Type 304 Stainless Steel Door, Add	*518.85*	
		For Type 316 Stainless Steel Door, Add	*843.13*	
		For Embossed Panel Door, Add	*155.65*	
		For Baked Enamel Finish, Add	*216.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.41*	
		For >100, Deduct	*-63.29*	
		For 2" Thick Door, Add	*50.68*	
		For Polystyrene Core, Add	*64.86*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*162.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.07*	
		For Steel Stiffened, Add	*162.14*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	638.05	59.67
		For Galvanized Steel Door, Add	*103.74*	
		For Type 304 Stainless Steel Door, Add	*414.95*	
		For Type 316 Stainless Steel Door, Add	*674.30*	
		For Embossed Panel Door, Add	*124.49*	
		For Baked Enamel Finish, Add	*173.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.89*	
		For >100, Deduct	*-50.84*	
		For 2" Thick Door, Add	*40.59*	
		For Polystyrene Core, Add	*51.87*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.67*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.84*	
		For Steel Stiffened, Add	*129.67*	
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	638.05	59.67
		For Galvanized Steel Door, Add	*103.74*	
		For Type 304 Stainless Steel Door, Add	*414.95*	
		For Type 316 Stainless Steel Door, Add	*674.30*	
		For Embossed Panel Door, Add	*124.49*	
		For Baked Enamel Finish, Add	*173.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.89*	
		For >100, Deduct	*-50.84*	
		For 2" Thick Door, Add	*40.59*	
		For Polystyrene Core, Add	*51.87*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.67*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.84*	
		For Steel Stiffened, Add	*129.67*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	654.07	62.39
		For Galvanized Steel Door, Add	*105.86*	
		For Type 304 Stainless Steel Door, Add	*423.44*	
		For Type 316 Stainless Steel Door, Add	*688.09*	
		For Embossed Panel Door, Add	*127.03*	
		For Baked Enamel Finish, Add	*177.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.82*	
		For >100, Deduct	*-52.17*	
		For 2" Thick Door, Add	*41.49*	
		For Polystyrene Core, Add	*52.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*132.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.16*	
		For Steel Stiffened, Add	*132.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	661.97	62.39
		For Galvanized Steel Door, Add	*107.44*	
		For Type 304 Stainless Steel Door, Add	*429.76*	
		For Type 316 Stainless Steel Door, Add	*698.36*	
		For Embossed Panel Door, Add	*128.93*	
		For Baked Enamel Finish, Add	*179.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.22*	
		For >100, Deduct	*-52.77*	
		For 2" Thick Door, Add	*42.07*	
		For Polystyrene Core, Add	*53.72*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*134.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.15*	
		For Steel Stiffened, Add	*134.30*	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	673.72	65.10
		For Galvanized Steel Door, Add	*108.70*	
		For Type 304 Stainless Steel Door, Add	*434.82*	
		For Type 316 Stainless Steel Door, Add	*706.58*	
		For Embossed Panel Door, Add	*130.44*	
		For Baked Enamel Finish, Add	*182.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.94*	
		For >100, Deduct	*-53.78*	
		For 2" Thick Door, Add	*42.66*	
		For Polystyrene Core, Add	*54.35*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*135.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.94*	
		For Steel Stiffened, Add	*135.88*	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	714.80	65.10
		For Galvanized Steel Door, Add	*116.92*	
		For Type 304 Stainless Steel Door, Add	*467.68*	
		For Type 316 Stainless Steel Door, Add	*759.98*	
		For Embossed Panel Door, Add	*140.30*	
		For Baked Enamel Finish, Add	*194.91*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.00*	
		For >100, Deduct	*-56.87*	
		For 2" Thick Door, Add	*45.64*	
		For Polystyrene Core, Add	*58.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.08*	
		For Steel Stiffened, Add	*146.15*	
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	736.03	67.81
		For Galvanized Steel Door, Add	*120.08*	
		For Type 304 Stainless Steel Door, Add	*480.32*	
		For Type 316 Stainless Steel Door, Add	*780.52*	
		For Embossed Panel Door, Add	*144.10*	
		For Baked Enamel Finish, Add	*200.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.19*	
		For >100, Deduct	*-58.59*	
		For 2" Thick Door, Add	*46.92*	
		For Polystyrene Core, Add	*60.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*150.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*75.05*	
		For Steel Stiffened, Add	*150.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	810.08	73.24
		For Galvanized Steel Door, Add	*132.72*	
		For Type 304 Stainless Steel Door, Add	*530.88*	
		For Type 316 Stainless Steel Door, Add	*862.68*	
		For Embossed Panel Door, Add	*159.26*	
		For Baked Enamel Finish, Add	*221.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.17*	
		For >100, Deduct	*-64.42*	
		For 2" Thick Door, Add	*51.77*	
		For Polystyrene Core, Add	*66.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.90*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*82.95*	
		For Steel Stiffened, Add	*165.90*	
08 13 13 13-0062		8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*		
08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	734.99	59.67
		For Up To 1' Extra Height, Add	*170.34*	
		For 1' To 1'-6" Extra Height, Add	*324.99*	
		For Galvanized Steel Door, Add	*123.13*	
		For Type 304 Stainless Steel Door, Add	*492.50*	
		For Type 316 Stainless Steel Door, Add	*800.32*	
		For Embossed Panel Door, Add	*147.75*	
		For Baked Enamel Finish, Add	*202.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.73*	
		For >100, Deduct	*-58.11*	
		For 2" Thick Door, Add	*47.62*	
		For Polystyrene Core, Add	*61.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*153.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*76.95*	
		For Steel Stiffened, Add	*153.91*	
08 13 13 13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	734.99	59.67
		For Up To 1' Extra Height, Add	*170.34*	
		For 1' To 1'-6" Extra Height, Add	*324.99*	
		For Galvanized Steel Door, Add	*123.13*	
		For Type 304 Stainless Steel Door, Add	*492.50*	
		For Type 316 Stainless Steel Door, Add	*800.32*	
		For Embossed Panel Door, Add	*147.75*	
		For Baked Enamel Finish, Add	*202.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.73*	
		For >100, Deduct	*-58.11*	
		For 2" Thick Door, Add	*47.62*	
		For Polystyrene Core, Add	*61.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*153.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*76.95*	
		For Steel Stiffened, Add	*153.91*	
08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	752.99	62.39
		For Up To 1' Extra Height, Add	*173.83*	
		For 1' To 1'-6" Extra Height, Add	*331.64*	
		For Galvanized Steel Door, Add	*125.64*	
		For Type 304 Stainless Steel Door, Add	*502.58*	
		For Type 316 Stainless Steel Door, Add	*816.69*	
		For Embossed Panel Door, Add	*150.77*	
		For Baked Enamel Finish, Add	*207.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.77*	
		For >100, Deduct	*-59.59*	
		For 2" Thick Door, Add	*48.67*	
		For Polystyrene Core, Add	*62.82*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*157.06*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*78.53*	
		For Steel Stiffened, Add	*157.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	762.37	62.39
		For Up To 1' Extra Height, Add	*176.42*	
		For 1' To 1'-6" Extra Height, Add	*336.59*	
		For Galvanized Steel Door, Add	*127.52*	
		For Type 304 Stainless Steel Door, Add	*510.08*	
		For Type 316 Stainless Steel Door, Add	*828.88*	
		For Embossed Panel Door, Add	*153.02*	
		For Baked Enamel Finish, Add	*210.00*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.24*	
		For >100, Deduct	*-60.30*	
		For 2" Thick Door, Add	*49.35*	
		For Polystyrene Core, Add	*63.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.40*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*79.70*	
		For Steel Stiffened, Add	*159.40*	
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	768.83	63.74
		For Up To 1' Extra Height, Add	*177.46*	
		For 1' To 1'-6" Extra Height, Add	*338.56*	
		For Galvanized Steel Door, Add	*128.27*	
		For Type 304 Stainless Steel Door, Add	*513.07*	
		For Type 316 Stainless Steel Door, Add	*833.74*	
		For Embossed Panel Door, Add	*153.92*	
		For Baked Enamel Finish, Add	*211.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.63*	
		For >100, Deduct	*-60.85*	
		For 2" Thick Door, Add	*49.68*	
		For Polystyrene Core, Add	*64.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*160.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*80.17*	
		For Steel Stiffened, Add	*160.34*	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	775.29	65.10
		For Up To 1' Extra Height, Add	*178.50*	
		For 1' To 1'-6" Extra Height, Add	*340.54*	
		For Galvanized Steel Door, Add	*129.02*	
		For Type 304 Stainless Steel Door, Add	*516.07*	
		For Type 316 Stainless Steel Door, Add	*838.62*	
		For Embossed Panel Door, Add	*154.82*	
		For Baked Enamel Finish, Add	*213.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.02*	
		For >100, Deduct	*-61.40*	
		For 2" Thick Door, Add	*50.02*	
		For Polystyrene Core, Add	*64.51*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*161.27*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*80.64*	
		For Steel Stiffened, Add	*161.27*	
08 13 13 13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	824.05	65.10
		For Up To 1' Extra Height, Add	*191.99*	
		For 1' To 1'-6" Extra Height, Add	*366.28*	
		For Galvanized Steel Door, Add	*138.77*	
		For Type 304 Stainless Steel Door, Add	*555.08*	
		For Type 316 Stainless Steel Door, Add	*902.01*	
		For Embossed Panel Door, Add	*166.52*	
		For Baked Enamel Finish, Add	*227.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.46*	
		For >100, Deduct	*-65.06*	
		For 2" Thick Door, Add	*53.56*	
		For Polystyrene Core, Add	*69.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.46*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.73*	
		For Steel Stiffened, Add	*173.46*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	848.24	67.81
		For Up To 1' Extra Height, Add	*197.18*	
		For 1' To 1'-6" Extra Height, Add	*376.19*	
		For Galvanized Steel Door, Add	*142.52*	
		For Type 304 Stainless Steel Door, Add	*570.09*	
		For Type 316 Stainless Steel Door, Add	*926.39*	
		For Embossed Panel Door, Add	*171.03*	
		For Baked Enamel Finish, Add	*234.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.80*	
		For >100, Deduct	*-67.01*	
		For 2" Thick Door, Add	*55.05*	
		For Polystyrene Core, Add	*71.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*178.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.08*	
		For Steel Stiffened, Add	*178.15*	
08 13 13 13-0071	EA	4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	934.10	73.24
		For Up To 1' Extra Height, Add	*217.93*	
		For 1' To 1'-6" Extra Height, Add	*415.78*	
		For Galvanized Steel Door, Add	*157.52*	
		For Type 304 Stainless Steel Door, Add	*630.10*	
		For Type 316 Stainless Steel Door, Add	*1,023.91*	
		For Embossed Panel Door, Add	*189.03*	
		For Baked Enamel Finish, Add	*258.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.37*	
		For >100, Deduct	*-73.72*	
		For 2" Thick Door, Add	*60.76*	
		For Polystyrene Core, Add	*78.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*196.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*98.45*	
		For Steel Stiffened, Add	*196.91*	

08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0074	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	805.19	59.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*274.33*	
		For Galvanized Steel Door, Add	*137.17*	
		For Type 304 Stainless Steel Door, Add	*548.66*	
		For Type 316 Stainless Steel Door, Add	*891.58*	
		For Embossed Panel Door, Add	*164.60*	
		For Baked Enamel Finish, Add	*223.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.24*	
		For >100, Deduct	*-63.37*	
		For 2" Thick Door, Add	*52.71*	
		For Polystyrene Core, Add	*68.58*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*171.46*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.73*	
		For Steel Stiffened, Add	*171.46*	
08 13 13 13-0075	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	805.19	59.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*274.33*	
		For Galvanized Steel Door, Add	*137.17*	
		For Type 304 Stainless Steel Door, Add	*548.66*	
		For Type 316 Stainless Steel Door, Add	*891.58*	
		For Embossed Panel Door, Add	*164.60*	
		For Baked Enamel Finish, Add	*223.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.24*	
		For >100, Deduct	*-63.37*	
		For 2" Thick Door, Add	*52.71*	
		For Polystyrene Core, Add	*68.58*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*171.46*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.73*	
		For Steel Stiffened, Add	*171.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0076	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	824.63	62.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*279.94*	
		For Galvanized Steel Door, Add	*139.97*	
		For Type 304 Stainless Steel Door, Add	*559.89*	
		For Type 316 Stainless Steel Door, Add	*909.82*	
		For Embossed Panel Door, Add	*167.97*	
		For Baked Enamel Finish, Add	*228.67*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.35*	
		For >100, Deduct	*-64.97*	
		For 2" Thick Door, Add	*53.86*	
		For Polystyrene Core, Add	*69.99*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.97*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.48*	
		For Steel Stiffened, Add	*174.97*	
08 13 13 13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	835.07	62.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*284.12*	
		For Galvanized Steel Door, Add	*142.06*	
		For Type 304 Stainless Steel Door, Add	*568.24*	
		For Type 316 Stainless Steel Door, Add	*923.39*	
		For Embossed Panel Door, Add	*170.47*	
		For Baked Enamel Finish, Add	*231.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.87*	
		For >100, Deduct	*-65.75*	
		For 2" Thick Door, Add	*54.62*	
		For Polystyrene Core, Add	*71.03*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*177.58*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.79*	
		For Steel Stiffened, Add	*177.58*	
08 13 13 13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	841.99	63.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*285.80*	
		For Galvanized Steel Door, Add	*142.90*	
		For Type 304 Stainless Steel Door, Add	*571.60*	
		For Type 316 Stainless Steel Door, Add	*928.85*	
		For Embossed Panel Door, Add	*171.48*	
		For Baked Enamel Finish, Add	*233.47*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.29*	
		For >100, Deduct	*-66.34*	
		For 2" Thick Door, Add	*54.99*	
		For Polystyrene Core, Add	*71.45*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*178.63*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.31*	
		For Steel Stiffened, Add	*178.63*	
08 13 13 13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	848.86	65.10
		For 14 Gauge, Level 4 Maximum Duty, Add	*287.46*	
		For Galvanized Steel Door, Add	*143.73*	
		For Type 304 Stainless Steel Door, Add	*574.93*	
		For Type 316 Stainless Steel Door, Add	*934.26*	
		For Embossed Panel Door, Add	*172.48*	
		For Baked Enamel Finish, Add	*235.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.70*	
		For >100, Deduct	*-66.92*	
		For 2" Thick Door, Add	*55.36*	
		For Polystyrene Core, Add	*71.87*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*179.67*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.83*	
		For Steel Stiffened, Add	*179.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	903.18	65.10
		For 14 Gauge, Level 4 Maximum Duty, Add	*309.19*	
		For Galvanized Steel Door, Add	*154.60*	
		For Type 304 Stainless Steel Door, Add	*618.38*	
		For Type 316 Stainless Steel Door, Add	*1,004.87*	
		For Embossed Panel Door, Add	*185.52*	
		For Baked Enamel Finish, Add	*251.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.41*	
		For >100, Deduct	*-70.99*	
		For 2" Thick Door, Add	*59.30*	
		For Polystyrene Core, Add	*77.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*193.25*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*96.62*	
		For Steel Stiffened, Add	*193.25*	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	929.50	67.81
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.55*	
		For Galvanized Steel Door, Add	*158.77*	
		For Type 304 Stainless Steel Door, Add	*635.10*	
		For Type 316 Stainless Steel Door, Add	*1,032.03*	
		For Embossed Panel Door, Add	*190.53*	
		For Baked Enamel Finish, Add	*258.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.87*	
		For >100, Deduct	*-73.10*	
		For 2" Thick Door, Add	*60.95*	
		For Polystyrene Core, Add	*79.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.47*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*99.23*	
		For Steel Stiffened, Add	*198.47*	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,023.91	73.24
		For 14 Gauge, Level 4 Maximum Duty, Add	*350.97*	
		For Galvanized Steel Door, Add	*175.49*	
		For Type 304 Stainless Steel Door, Add	*701.94*	
		For Type 316 Stainless Steel Door, Add	*1,140.66*	
		For Embossed Panel Door, Add	*210.58*	
		For Baked Enamel Finish, Add	*285.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.86*	
		For >100, Deduct	*-80.46*	
		For 2" Thick Door, Add	*67.28*	
		For Polystyrene Core, Add	*87.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*219.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*109.68*	
		For Steel Stiffened, Add	*219.36*	

08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	821.47	59.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*280.84*	
		For Galvanized Steel Door, Add	*140.42*	
		For Type 304 Stainless Steel Door, Add	*561.69*	
		For Type 316 Stainless Steel Door, Add	*912.74*	
		For Embossed Panel Door, Add	*168.51*	
		For Baked Enamel Finish, Add	*228.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.06*	
		For >100, Deduct	*-64.59*	
		For 2" Thick Door, Add	*53.89*	
		For Polystyrene Core, Add	*70.21*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*175.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.76*	
		For Steel Stiffened, Add	*175.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	821.47	59.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*280.84*	
		For Galvanized Steel Door, Add	*140.42*	
		For Type 304 Stainless Steel Door, Add	*561.69*	
		For Type 316 Stainless Steel Door, Add	*912.74*	
		For Embossed Panel Door, Add	*168.51*	
		For Baked Enamel Finish, Add	*228.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.06*	
		For >100, Deduct	*-64.59*	
		For 2" Thick Door, Add	*53.89*	
		For Polystyrene Core, Add	*70.21*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*175.53*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.76*	
		For Steel Stiffened, Add	*175.53*	
08 13 13 13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	841.24	62.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*286.59*	
		For Galvanized Steel Door, Add	*143.29*	
		For Type 304 Stainless Steel Door, Add	*573.18*	
		For Type 316 Stainless Steel Door, Add	*931.41*	
		For Embossed Panel Door, Add	*171.95*	
		For Baked Enamel Finish, Add	*233.66*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.18*	
		For >100, Deduct	*-66.21*	
		For 2" Thick Door, Add	*55.06*	
		For Polystyrene Core, Add	*71.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*179.12*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.56*	
		For Steel Stiffened, Add	*179.12*	
08 13 13 13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	851.93	62.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*290.86*	
		For Galvanized Steel Door, Add	*145.43*	
		For Type 304 Stainless Steel Door, Add	*581.73*	
		For Type 316 Stainless Steel Door, Add	*945.31*	
		For Embossed Panel Door, Add	*174.52*	
		For Baked Enamel Finish, Add	*236.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.72*	
		For >100, Deduct	*-67.01*	
		For 2" Thick Door, Add	*55.84*	
		For Polystyrene Core, Add	*72.72*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*181.79*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.90*	
		For Steel Stiffened, Add	*181.79*	
08 13 13 13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	858.93	63.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*292.58*	
		For Galvanized Steel Door, Add	*146.29*	
		For Type 304 Stainless Steel Door, Add	*585.15*	
		For Type 316 Stainless Steel Door, Add	*950.87*	
		For Embossed Panel Door, Add	*175.55*	
		For Baked Enamel Finish, Add	*238.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.13*	
		For >100, Deduct	*-67.61*	
		For 2" Thick Door, Add	*56.22*	
		For Polystyrene Core, Add	*73.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*182.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.43*	
		For Steel Stiffened, Add	*182.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	865.91	65.10
		For 14 Gauge, Level 4 Maximum Duty, Add	*294.28*	
		For Galvanized Steel Door, Add	*147.14*	
		For Type 304 Stainless Steel Door, Add	*588.57*	
		For Type 316 Stainless Steel Door, Add	*956.42*	
		For Embossed Panel Door, Add	*176.57*	
		For Baked Enamel Finish, Add	*240.24*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.55*	
		For >100, Deduct	*-68.20*	
		For 2" Thick Door, Add	*56.59*	
		For Polystyrene Core, Add	*73.57*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*183.93*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.96*	
		For Steel Stiffened, Add	*183.93*	
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	921.52	65.10
		For 14 Gauge, Level 4 Maximum Duty, Add	*316.53*	
		For Galvanized Steel Door, Add	*158.26*	
		For Type 304 Stainless Steel Door, Add	*633.06*	
		For Type 316 Stainless Steel Door, Add	*1,028.72*	
		For Embossed Panel Door, Add	*189.92*	
		For Baked Enamel Finish, Add	*256.93*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.33*	
		For >100, Deduct	*-72.37*	
		For 2" Thick Door, Add	*60.63*	
		For Polystyrene Core, Add	*79.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*197.83*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*98.92*	
		For Steel Stiffened, Add	*197.83*	
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	948.34	67.81
		For 14 Gauge, Level 4 Maximum Duty, Add	*325.08*	
		For Galvanized Steel Door, Add	*162.54*	
		For Type 304 Stainless Steel Door, Add	*650.17*	
		For Type 316 Stainless Steel Door, Add	*1,056.52*	
		For Embossed Panel Door, Add	*195.05*	
		For Baked Enamel Finish, Add	*264.16*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.81*	
		For >100, Deduct	*-74.52*	
		For 2" Thick Door, Add	*62.31*	
		For Polystyrene Core, Add	*81.27*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*203.18*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*101.59*	
		For Steel Stiffened, Add	*203.18*	
08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,044.74	73.24
		For 14 Gauge, Level 4 Maximum Duty, Add	*359.30*	
		For Galvanized Steel Door, Add	*179.65*	
		For Type 304 Stainless Steel Door, Add	*718.61*	
		For Type 316 Stainless Steel Door, Add	*1,167.74*	
		For Embossed Panel Door, Add	*215.58*	
		For Baked Enamel Finish, Add	*291.45*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-55.90*	
		For >100, Deduct	*-82.02*	
		For 2" Thick Door, Add	*68.79*	
		For Polystyrene Core, Add	*89.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*224.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*112.28*	
		For Steel Stiffened, Add	*224.57*	

08 13 13 13-0093 7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	837.75	59.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*287.36*	
		For Galvanized Steel Door, Add	*143.68*	
		For Type 304 Stainless Steel Door, Add	*574.71*	
		For Type 316 Stainless Steel Door, Add	*933.91*	
		For Embossed Panel Door, Add	*172.41*	
		For Baked Enamel Finish, Add	*233.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.87*	
		For >100, Deduct	*-65.82*	
		For 2" Thick Door, Add	*55.07*	
		For Polystyrene Core, Add	*71.84*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*179.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.80*	
		For Steel Stiffened, Add	*179.60*	
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	837.75	59.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*287.36*	
		For Galvanized Steel Door, Add	*143.68*	
		For Type 304 Stainless Steel Door, Add	*574.71*	
		For Type 316 Stainless Steel Door, Add	*933.91*	
		For Embossed Panel Door, Add	*172.41*	
		For Baked Enamel Finish, Add	*233.42*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.87*	
		For >100, Deduct	*-65.82*	
		For 2" Thick Door, Add	*55.07*	
		For Polystyrene Core, Add	*71.84*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*179.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.80*	
		For Steel Stiffened, Add	*179.60*	
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	857.85	62.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*293.23*	
		For Galvanized Steel Door, Add	*146.62*	
		For Type 304 Stainless Steel Door, Add	*586.46*	
		For Type 316 Stainless Steel Door, Add	*953.00*	
		For Embossed Panel Door, Add	*175.94*	
		For Baked Enamel Finish, Add	*238.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.01*	
		For >100, Deduct	*-67.46*	
		For 2" Thick Door, Add	*56.27*	
		For Polystyrene Core, Add	*73.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*183.27*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.64*	
		For Steel Stiffened, Add	*183.27*	
08 13 13 13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	868.79	62.39
		For 14 Gauge, Level 4 Maximum Duty, Add	*297.61*	
		For Galvanized Steel Door, Add	*148.80*	
		For Type 304 Stainless Steel Door, Add	*595.22*	
		For Type 316 Stainless Steel Door, Add	*967.23*	
		For Embossed Panel Door, Add	*178.56*	
		For Baked Enamel Finish, Add	*241.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.56*	
		For >100, Deduct	*-68.28*	
		For 2" Thick Door, Add	*57.06*	
		For Polystyrene Core, Add	*74.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*186.01*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*93.00*	
		For Steel Stiffened, Add	*186.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	875.90	63.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*299.36*	
		For Galvanized Steel Door, Add	*149.68*	
		For Type 304 Stainless Steel Door, Add	*598.73*	
		For Type 316 Stainless Steel Door, Add	*972.93*	
		For Embossed Panel Door, Add	*179.62*	
		For Baked Enamel Finish, Add	*243.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.98*	
		For >100, Deduct	*-68.88*	
		For 2" Thick Door, Add	*57.45*	
		For Polystyrene Core, Add	*74.84*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*187.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*93.55*	
		For Steel Stiffened, Add	*187.10*	
08 13 13 13-0099	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	882.97	65.10
		For 14 Gauge, Level 4 Maximum Duty, Add	*301.11*	
		For Galvanized Steel Door, Add	*150.55*	
		For Type 304 Stainless Steel Door, Add	*602.22*	
		For Type 316 Stainless Steel Door, Add	*978.60*	
		For Embossed Panel Door, Add	*180.66*	
		For Baked Enamel Finish, Add	*245.36*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.40*	
		For >100, Deduct	*-69.48*	
		For 2" Thick Door, Add	*57.83*	
		For Polystyrene Core, Add	*75.28*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*188.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*94.10*	
		For Steel Stiffened, Add	*188.19*	
08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	939.87	65.10
		For 14 Gauge, Level 4 Maximum Duty, Add	*323.87*	
		For Galvanized Steel Door, Add	*161.93*	
		For Type 304 Stainless Steel Door, Add	*647.74*	
		For Type 316 Stainless Steel Door, Add	*1,052.57*	
		For Embossed Panel Door, Add	*194.32*	
		For Baked Enamel Finish, Add	*262.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.25*	
		For >100, Deduct	*-73.75*	
		For 2" Thick Door, Add	*61.96*	
		For Polystyrene Core, Add	*80.97*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*202.42*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*101.21*	
		For Steel Stiffened, Add	*202.42*	
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	967.18	67.81
		For 14 Gauge, Level 4 Maximum Duty, Add	*332.62*	
		For Galvanized Steel Door, Add	*166.31*	
		For Type 304 Stainless Steel Door, Add	*665.24*	
		For Type 316 Stainless Steel Door, Add	*1,081.02*	
		For Embossed Panel Door, Add	*199.57*	
		For Baked Enamel Finish, Add	*269.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.75*	
		For >100, Deduct	*-75.93*	
		For 2" Thick Door, Add	*63.68*	
		For Polystyrene Core, Add	*83.16*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*207.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.94*	
		For Steel Stiffened, Add	*207.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,065.56	73.24
		For 14 Gauge, Level 4 Maximum Duty, Add	*367.63*	
		For Galvanized Steel Door, Add	*183.82*	
		For Type 304 Stainless Steel Door, Add	*735.26*	
		For Type 316 Stainless Steel Door, Add	*1,194.80*	
		For Embossed Panel Door, Add	*220.58*	
		For Baked Enamel Finish, Add	*297.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.94*	
		For >100, Deduct	*-83.58*	
		For 2" Thick Door, Add	*70.30*	
		For Polystyrene Core, Add	*91.91*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*229.77*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*114.89*	
		For Steel Stiffened, Add	*229.77*	

08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	972.01	59.67
		For Up To 1' Extra Height, Add	*235.93*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*341.06*	
		For Galvanized Steel Door, Add	*170.53*	
		For Type 304 Stainless Steel Door, Add	*682.12*	
		For Type 316 Stainless Steel Door, Add	*1,108.45*	
		For Embossed Panel Door, Add	*204.64*	
		For Baked Enamel Finish, Add	*273.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.58*	
		For >100, Deduct	*-75.88*	
		For 2" Thick Door, Add	*64.80*	
		For Polystyrene Core, Add	*85.27*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*213.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*106.58*	
		For Steel Stiffened, Add	*213.16*	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	972.01	59.67
		For Up To 1' Extra Height, Add	*235.93*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*341.06*	
		For Galvanized Steel Door, Add	*170.53*	
		For Type 304 Stainless Steel Door, Add	*682.12*	
		For Type 316 Stainless Steel Door, Add	*1,108.45*	
		For Embossed Panel Door, Add	*204.64*	
		For Baked Enamel Finish, Add	*273.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.58*	
		For >100, Deduct	*-75.88*	
		For 2" Thick Door, Add	*64.80*	
		For Polystyrene Core, Add	*85.27*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*213.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*106.58*	
		For Steel Stiffened, Add	*213.16*	
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	994.86	62.39
		For Up To 1' Extra Height, Add	*240.75*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*348.04*	
		For Galvanized Steel Door, Add	*174.02*	
		For Type 304 Stainless Steel Door, Add	*696.07*	
		For Type 316 Stainless Steel Door, Add	*1,131.12*	
		For Embossed Panel Door, Add	*208.82*	
		For Baked Enamel Finish, Add	*279.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.86*	
		For >100, Deduct	*-77.73*	
		For 2" Thick Door, Add	*66.20*	
		For Polystyrene Core, Add	*87.01*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*217.52*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*108.76*	
		For Steel Stiffened, Add	*217.52*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,007.84	62.39
		For Up To 1' Extra Height, Add	*244.35*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*353.23*	
		For Galvanized Steel Door, Add	*176.61*	
		For Type 304 Stainless Steel Door, Add	*706.46*	
		For Type 316 Stainless Steel Door, Add	*1,147.99*	
		For Embossed Panel Door, Add	*211.94*	
		For Baked Enamel Finish, Add	*283.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.51*	
		For >100, Deduct	*-78.71*	
		For 2" Thick Door, Add	*67.14*	
		For Polystyrene Core, Add	*88.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*220.77*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*110.38*	
		For Steel Stiffened, Add	*220.77*	
08 13 13 13-0108	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,015.75	63.74
		For Up To 1' Extra Height, Add	*245.78*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*355.30*	
		For Galvanized Steel Door, Add	*177.65*	
		For Type 304 Stainless Steel Door, Add	*710.61*	
		For Type 316 Stainless Steel Door, Add	*1,154.74*	
		For Embossed Panel Door, Add	*213.18*	
		For Baked Enamel Finish, Add	*285.60*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.97*	
		For >100, Deduct	*-79.37*	
		For 2" Thick Door, Add	*67.59*	
		For Polystyrene Core, Add	*88.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*222.07*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*111.03*	
		For Steel Stiffened, Add	*222.07*	
08 13 13 13-0109	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,023.66	65.10
		For Up To 1' Extra Height, Add	*247.22*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*357.38*	
		For Galvanized Steel Door, Add	*178.69*	
		For Type 304 Stainless Steel Door, Add	*714.77*	
		For Type 316 Stainless Steel Door, Add	*1,161.50*	
		For Embossed Panel Door, Add	*214.43*	
		For Baked Enamel Finish, Add	*287.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.44*	
		For >100, Deduct	*-80.03*	
		For 2" Thick Door, Add	*68.03*	
		For Polystyrene Core, Add	*89.35*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*223.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*111.68*	
		For Steel Stiffened, Add	*223.37*	
08 13 13 13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,091.19	65.10
		For Up To 1' Extra Height, Add	*265.91*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*384.40*	
		For Galvanized Steel Door, Add	*192.20*	
		For Type 304 Stainless Steel Door, Add	*768.79*	
		For Type 316 Stainless Steel Door, Add	*1,249.29*	
		For Embossed Panel Door, Add	*230.64*	
		For Baked Enamel Finish, Add	*307.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.81*	
		For >100, Deduct	*-85.09*	
		For 2" Thick Door, Add	*72.93*	
		For Polystyrene Core, Add	*96.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*240.25*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*120.12*	
		For Steel Stiffened, Add	*240.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,122.59	67.81
		For Up To 1' Extra Height, Add	*273.09*	
		For 1' To 1'-6" Extra Height, Add	*521.02*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*394.78*	
		For Galvanized Steel Door, Add	*197.39*	
		For Type 304 Stainless Steel Door, Add	*789.57*	
		For Type 316 Stainless Steel Door, Add	*1,283.05*	
		For Embossed Panel Door, Add	*236.87*	
		For Baked Enamel Finish, Add	*316.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-59.52*	
		For >100, Deduct	*-87.59*	
		For 2" Thick Door, Add	*74.95*	
		For Polystyrene Core, Add	*98.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*246.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*123.37*	
		For Steel Stiffened, Add	*246.74*	
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,237.33	73.24
		For Up To 1' Extra Height, Add	*301.84*	
		For 1' To 1'-6" Extra Height, Add	*575.86*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*436.34*	
		For Galvanized Steel Door, Add	*218.17*	
		For Type 304 Stainless Steel Door, Add	*872.68*	
		For Type 316 Stainless Steel Door, Add	*1,418.11*	
		For Embossed Panel Door, Add	*261.80*	
		For Baked Enamel Finish, Add	*349.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-65.53*	
		For >100, Deduct	*-96.46*	
		For 2" Thick Door, Add	*82.75*	
		For Polystyrene Core, Add	*109.09*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*272.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*136.36*	
		For Steel Stiffened, Add	*272.71*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,791.28	135.63
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,877.52	162.75
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	564.78	81.38
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	645.55	86.81
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	726.33	92.22
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	877.00	97.65

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	239.28	59.67
		For >50 To 100, Deduct	*-14.95*	
		For >100, Deduct	*-20.93*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	239.28	59.67
		For >50 To 100, Deduct	*-14.95*	
		For >100, Deduct	*-20.93*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	253.20	62.39
		For >50 To 100, Deduct	*-15.78*	
		For >100, Deduct	*-22.11*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	259.45	62.39
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-22.58*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.91	62.39
		For >50 To 100, Deduct	*-16.16*	
		For >100, Deduct	*-22.69*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	267.08	65.10
		For >50 To 100, Deduct	*-16.61*	
		For >100, Deduct	*-23.29*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	280.45	65.10
		For >50 To 100, Deduct	*-17.28*	
		For >100, Deduct	*-24.29*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	295.50	67.81
		For >50 To 100, Deduct	*-18.17*	
		For >100, Deduct	*-25.55*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	246.28	59.67
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-21.46*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	246.28	59.67
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-21.46*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.68	62.39
		For >50 To 100, Deduct	*-16.15*	
		For >100, Deduct	*-22.67*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	267.29	62.39
		For >50 To 100, Deduct	*-16.48*	
		For >100, Deduct	*-23.17*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	268.84	62.39
		For >50 To 100, Deduct	*-16.56*	
		For >100, Deduct	*-23.28*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	275.04	65.10
		For >50 To 100, Deduct	*-17.01*	
		For >100, Deduct	*-23.88*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.19	65.10
		For >50 To 100, Deduct	*-17.71*	
		For >100, Deduct	*-24.94*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.79	67.81
		For >50 To 100, Deduct	*-18.63*	
		For >100, Deduct	*-26.25*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	271.02	59.67
		For >50 To 100, Deduct	*-16.54*	
		For >100, Deduct	*-23.31*	
		For 9' Door Height, Add	*31.85*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	271.02	59.67
		For >50 To 100, Deduct	*-16.54*	
		For >100, Deduct	*-23.31*	
		For 9' Door Height, Add	*31.85*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.19	62.39
		For >50 To 100, Deduct	*-17.48*	
		For >100, Deduct	*-24.66*	
		For 9' Door Height, Add	*34.11*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	295.07	62.39
		For >50 To 100, Deduct	*-17.87*	
		For >100, Deduct	*-25.25*	
		For 9' Door Height, Add	*35.76*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	296.93	62.39
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.39*	
		For 9' Door Height, Add	*36.15*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	303.28	65.10
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-26.00*	
		For 9' Door Height, Add	*36.35*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.19	65.10
		For >50 To 100, Deduct	*-19.26*	
		For >100, Deduct	*-27.27*	
		For 9' Door Height, Add	*39.90*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.77	67.81
		For >50 To 100, Deduct	*-20.28*	
		For >100, Deduct	*-28.72*	
		For 9' Door Height, Add	*42.45*	

08 14 16 00-0027 Oak Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	296.90	59.67
		For >50 To 100, Deduct	*-17.83*	
		For >100, Deduct	*-25.25*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	296.90	59.67
		For >50 To 100, Deduct	*-17.83*	
		For >100, Deduct	*-25.25*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	314.89	62.39
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-26.74*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	324.15	62.39
		For >50 To 100, Deduct	*-19.33*	
		For >100, Deduct	*-27.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	325.78	62.39
		For >50 To 100, Deduct	*-19.41*	
		For >100, Deduct	*-27.55*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	332.84	65.10
		For >50 To 100, Deduct	*-19.90*	
		For >100, Deduct	*-28.22*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	352.61	65.10
		For >50 To 100, Deduct	*-20.89*	
		For >100, Deduct	*-29.70*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	372.28	67.81
		For >50 To 100, Deduct	*-22.00*	
		For >100, Deduct	*-31.31*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	307.23	59.67
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-26.03*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	307.23	59.67
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-26.03*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	325.96	62.39
		For >50 To 100, Deduct	*-19.42*	
		For >100, Deduct	*-27.57*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	335.75	62.39
		For >50 To 100, Deduct	*-19.91*	
		For >100, Deduct	*-28.30*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	337.47	62.39
		For >50 To 100, Deduct	*-19.99*	
		For >100, Deduct	*-28.43*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	344.62	65.10
		For >50 To 100, Deduct	*-20.49*	
		For >100, Deduct	*-29.10*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	365.54	65.10
		For >50 To 100, Deduct	*-21.53*	
		For >100, Deduct	*-30.67*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	386.05	67.81
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-32.34*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	343.87	59.67
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-28.77*	
		For 9' Door Height, Add	*47.15*	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	343.87	59.67
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-28.77*	
		For 9' Door Height, Add	*47.15*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	365.19	62.39
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.51*	
		For 9' Door Height, Add	*50.49*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	376.88	62.39
		For >50 To 100, Deduct	*-21.96*	
		For >100, Deduct	*-31.39*	
		For 9' Door Height, Add	*52.94*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	378.96	62.39
		For >50 To 100, Deduct	*-22.07*	
		For >100, Deduct	*-31.54*	
		For 9' Door Height, Add	*53.38*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	386.44	65.10
		For >50 To 100, Deduct	*-22.58*	
		For >100, Deduct	*-32.24*	
		For 9' Door Height, Add	*53.81*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	411.45	65.10
		For >50 To 100, Deduct	*-23.83*	
		For >100, Deduct	*-34.11*	
		For 9' Door Height, Add	*59.06*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	434.89	67.81
		For >50 To 100, Deduct	*-25.14*	
		For >100, Deduct	*-36.01*	
		For 9' Door Height, Add	*62.84*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	297.37	59.67
		For >50 To 100, Deduct	*-17.85*	
		For >100, Deduct	*-25.29*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	297.37	59.67
		For >50 To 100, Deduct	*-17.85*	
		For >100, Deduct	*-25.29*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	315.38	62.39
		For >50 To 100, Deduct	*-18.89*	
		For >100, Deduct	*-26.77*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	324.68	62.39
		For >50 To 100, Deduct	*-19.35*	
		For >100, Deduct	*-27.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	326.31	62.39
		For >50 To 100, Deduct	*-19.43*	
		For >100, Deduct	*-27.59*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	333.38	65.10
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-28.26*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	353.19	65.10
		For >50 To 100, Deduct	*-20.91*	
		For >100, Deduct	*-29.74*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	372.90	67.81
		For >50 To 100, Deduct	*-22.04*	
		For >100, Deduct	*-31.36*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	307.71	59.67
		For >50 To 100, Deduct	*-18.37*	
		For >100, Deduct	*-26.06*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	307.71	59.67
		For >50 To 100, Deduct	*-18.37*	
		For >100, Deduct	*-26.06*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	326.49	62.39
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-27.61*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	336.30	62.39
		For >50 To 100, Deduct	*-19.93*	
		For >100, Deduct	*-28.34*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	338.04	62.39
		For >50 To 100, Deduct	*-20.02*	
		For >100, Deduct	*-28.47*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	345.18	65.10
		For >50 To 100, Deduct	*-20.51*	
		For >100, Deduct	*-29.14*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.16	65.10
		For >50 To 100, Deduct	*-21.56*	
		For >100, Deduct	*-30.72*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	386.71	67.81
		For >50 To 100, Deduct	*-22.73*	
		For >100, Deduct	*-32.39*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	344.46	59.67
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-28.82*	
		For 9' Door Height, Add	*47.27*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	344.46	59.67
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-28.82*	
		For 9' Door Height, Add	*47.27*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	365.81	62.39
		For >50 To 100, Deduct	*-21.41*	
		For >100, Deduct	*-30.56*	
		For 9' Door Height, Add	*50.62*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	377.53	62.39
		For >50 To 100, Deduct	*-22.00*	
		For >100, Deduct	*-31.43*	
		For 9' Door Height, Add	*53.08*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	379.62	62.39
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-31.59*	
		For 9' Door Height, Add	*53.52*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.11	65.10
		For >50 To 100, Deduct	*-22.61*	
		For >100, Deduct	*-32.29*	
		For 9' Door Height, Add	*53.95*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.20	65.10
		For >50 To 100, Deduct	*-23.87*	
		For >100, Deduct	*-34.17*	
		For 9' Door Height, Add	*59.22*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.67	67.81
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-36.07*	
		For 9' Door Height, Add	*63.01*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	210.54	59.67
		For >50 To 100, Deduct	*-13.51*	
		For >100, Deduct	*-18.77*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	210.54	59.67
		For >50 To 100, Deduct	*-13.51*	
		For >100, Deduct	*-18.77*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	222.13	62.39
		For >50 To 100, Deduct	*-14.23*	
		For >100, Deduct	*-19.78*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	227.35	62.39
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-20.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	229.19	62.39
		For >50 To 100, Deduct	*-14.58*	
		For >100, Deduct	*-20.31*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	236.46	65.10
		For >50 To 100, Deduct	*-15.08*	
		For >100, Deduct	*-20.99*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	246.62	65.10
		For >50 To 100, Deduct	*-15.59*	
		For >100, Deduct	*-21.75*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	259.51	67.81
		For >50 To 100, Deduct	*-16.37*	
		For >100, Deduct	*-22.85*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	215.84	59.67
		For >50 To 100, Deduct	*-13.78*	
		For >100, Deduct	*-19.17*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	214.24	59.67
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.05*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	227.80	62.39
		For >50 To 100, Deduct	*-14.51*	
		For >100, Deduct	*-20.20*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	233.31	62.39
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-20.62*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	233.44	62.39
		For >50 To 100, Deduct	*-14.79*	
		For >100, Deduct	*-20.63*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	242.64	65.10
		For >50 To 100, Deduct	*-15.39*	
		For >100, Deduct	*-21.45*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	253.39	65.10
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-22.26*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.54	67.81
		For >50 To 100, Deduct	*-16.62*	
		For >100, Deduct	*-23.23*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	234.67	59.67
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-20.58*	
		For 9' Door Height, Add	*24.22*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	234.64	59.67
		For >50 To 100, Deduct	*-14.72*	
		For >100, Deduct	*-20.58*	
		For 9' Door Height, Add	*24.21*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	247.89	62.39
		For >50 To 100, Deduct	*-15.51*	
		For >100, Deduct	*-21.71*	
		For 9' Door Height, Add	*25.86*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.47	62.39
		For >50 To 100, Deduct	*-15.84*	
		For >100, Deduct	*-22.20*	
		For 9' Door Height, Add	*27.24*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.81	62.39
		For >50 To 100, Deduct	*-15.96*	
		For >100, Deduct	*-22.38*	
		For 9' Door Height, Add	*27.73*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.56	65.10
		For >50 To 100, Deduct	*-16.48*	
		For >100, Deduct	*-23.10*	
		For 9' Door Height, Add	*28.22*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.42	65.10
		For >50 To 100, Deduct	*-17.13*	
		For >100, Deduct	*-24.06*	
		For 9' Door Height, Add	*30.92*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	292.25	67.81
		For >50 To 100, Deduct	*-18.00*	
		For >100, Deduct	*-25.31*	
		For 9' Door Height, Add	*32.89*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.81	59.67
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-19.99*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.81	59.67
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-19.99*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	240.06	62.39
		For >50 To 100, Deduct	*-15.12*	
		For >100, Deduct	*-21.12*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	243.76	62.39
		For >50 To 100, Deduct	*-15.31*	
		For >100, Deduct	*-21.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	247.49	62.39
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-21.68*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	256.62	65.10
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-22.50*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	270.53	65.10
		For >50 To 100, Deduct	*-16.78*	
		For >100, Deduct	*-23.54*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	284.93	67.81
		For >50 To 100, Deduct	*-17.64*	
		For >100, Deduct	*-24.76*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.05	59.67
		For >50 To 100, Deduct	*-14.64*	
		For >100, Deduct	*-20.46*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.06	59.67
		For >50 To 100, Deduct	*-14.64*	
		For >100, Deduct	*-20.46*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	246.76	62.39
		For >50 To 100, Deduct	*-15.46*	
		For >100, Deduct	*-21.63*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	250.69	62.39
		For >50 To 100, Deduct	*-15.65*	
		For >100, Deduct	*-21.92*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	254.63	62.39
		For >50 To 100, Deduct	*-15.85*	
		For >100, Deduct	*-22.22*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	263.99	65.10
		For >50 To 100, Deduct	*-16.45*	
		For >100, Deduct	*-23.05*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	278.70	65.10
		For >50 To 100, Deduct	*-17.19*	
		For >100, Deduct	*-24.16*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	293.63	67.81
		For >50 To 100, Deduct	*-18.07*	
		For >100, Deduct	*-25.41*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	255.21	59.67
		For >50 To 100, Deduct	*-15.74*	
		For >100, Deduct	*-22.12*	
		For 9' Door Height, Add	*28.53*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	255.24	59.67
		For >50 To 100, Deduct	*-15.75*	
		For >100, Deduct	*-22.13*	
		For 9' Door Height, Add	*28.53*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	270.54	62.39
		For >50 To 100, Deduct	*-16.65*	
		For >100, Deduct	*-23.41*	
		For 9' Door Height, Add	*30.61*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	275.26	62.39
		For >50 To 100, Deduct	*-16.88*	
		For >100, Deduct	*-23.76*	
		For 9' Door Height, Add	*31.60*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	279.97	62.39
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-24.12*	
		For 9' Door Height, Add	*32.59*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	290.09	65.10
		For >50 To 100, Deduct	*-17.76*	
		For >100, Deduct	*-25.01*	
		For 9' Door Height, Add	*33.58*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	307.67	65.10
		For >50 To 100, Deduct	*-18.64*	
		For >100, Deduct	*-26.33*	
		For 9' Door Height, Add	*37.27*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	324.44	67.81
		For >50 To 100, Deduct	*-19.61*	
		For >100, Deduct	*-27.72*	
		For 9' Door Height, Add	*39.65*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	269.26	59.67
		For >50 To 100, Deduct	*-16.45*	
		For >100, Deduct	*-23.18*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	269.26	59.67
		For >50 To 100, Deduct	*-16.45*	
		For >100, Deduct	*-23.18*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	280.32	62.39
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-24.14*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.43	62.39
		For >50 To 100, Deduct	*-17.24*	
		For >100, Deduct	*-24.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.04	62.39
		For >50 To 100, Deduct	*-17.47*	
		For >100, Deduct	*-24.65*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	297.08	65.10
		For >50 To 100, Deduct	*-18.11*	
		For >100, Deduct	*-25.54*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.55	65.10
		For >50 To 100, Deduct	*-19.33*	
		For >100, Deduct	*-27.37*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	376.64	67.81
		For >50 To 100, Deduct	*-22.22*	
		For >100, Deduct	*-31.64*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	388.69	67.81
		For >50 To 100, Deduct	*-22.83*	
		For >100, Deduct	*-32.54*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	412.79	67.81
		For >50 To 100, Deduct	*-24.03*	
		For >100, Deduct	*-34.35*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	277.99	59.67
		For >50 To 100, Deduct	*-16.88*	
		For >100, Deduct	*-23.83*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	277.99	59.67
		For >50 To 100, Deduct	*-16.88*	
		For >100, Deduct	*-23.83*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.37	62.39
		For >50 To 100, Deduct	*-17.59*	
		For >100, Deduct	*-24.82*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	291.61	62.39
		For >50 To 100, Deduct	*-17.70*	
		For >100, Deduct	*-24.99*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	296.49	62.39
		For >50 To 100, Deduct	*-17.94*	
		For >100, Deduct	*-25.36*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.78	65.10
		For >50 To 100, Deduct	*-18.59*	
		For >100, Deduct	*-26.26*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	332.69	65.10
		For >50 To 100, Deduct	*-19.89*	
		For >100, Deduct	*-28.21*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	390.68	67.81
		For >50 To 100, Deduct	*-22.92*	
		For >100, Deduct	*-32.69*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	403.42	67.81
		For >50 To 100, Deduct	*-23.56*	
		For >100, Deduct	*-33.65*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	428.93	67.81
		For >50 To 100, Deduct	*-24.84*	
		For >100, Deduct	*-35.56*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.93	59.67
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-26.15*	
		For 9' Door Height, Add	*39.81*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.93	59.67
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-26.15*	
		For 9' Door Height, Add	*39.81*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.48	62.39
		For >50 To 100, Deduct	*-19.19*	
		For >100, Deduct	*-27.23*	
		For 9' Door Height, Add	*41.31*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	324.13	62.39
		For >50 To 100, Deduct	*-19.33*	
		For >100, Deduct	*-27.43*	
		For 9' Door Height, Add	*41.87*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.98	62.39
		For >50 To 100, Deduct	*-19.62*	
		For >100, Deduct	*-27.87*	
		For 9' Door Height, Add	*43.09*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	341.21	65.10
		For >50 To 100, Deduct	*-20.32*	
		For >100, Deduct	*-28.85*	
		For 9' Door Height, Add	*44.31*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	372.18	65.10
		For >50 To 100, Deduct	*-21.86*	
		For >100, Deduct	*-31.17*	
		For 9' Door Height, Add	*50.82*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	440.41	67.81
		For >50 To 100, Deduct	*-25.41*	
		For >100, Deduct	*-36.42*	
		For 9' Door Height, Add	*64.00*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	455.63	67.81
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.56*	
		For 9' Door Height, Add	*67.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	486.13	67.81
		For >50 To 100, Deduct	*-27.70*	
		For >100, Deduct	*-39.85*	
		For 9' Door Height, Add	*73.61*	
08 14 16 00-0159		**Oak Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	355.45	59.67
		For >50 To 100, Deduct	*-20.76*	
		For >100, Deduct	*-29.64*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	355.45	59.67
		For >50 To 100, Deduct	*-20.76*	
		For >100, Deduct	*-29.64*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	369.73	62.39
		For >50 To 100, Deduct	*-21.61*	
		For >100, Deduct	*-30.85*	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	373.05	62.39
		For >50 To 100, Deduct	*-21.77*	
		For >100, Deduct	*-31.10*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	380.32	62.39
		For >50 To 100, Deduct	*-22.14*	
		For >100, Deduct	*-31.64*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	392.99	65.10
		For >50 To 100, Deduct	*-22.90*	
		For >100, Deduct	*-32.73*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	431.54	65.10
		For >50 To 100, Deduct	*-24.83*	
		For >100, Deduct	*-35.62*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	515.19	67.81
		For >50 To 100, Deduct	*-29.15*	
		For >100, Deduct	*-42.03*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	534.18	67.81
		For >50 To 100, Deduct	*-30.10*	
		For >100, Deduct	*-43.45*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	572.16	67.81
		For >50 To 100, Deduct	*-32.00*	
		For >100, Deduct	*-46.30*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	369.18	59.67
		For >50 To 100, Deduct	*-21.44*	
		For >100, Deduct	*-30.67*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	369.19	59.67
		For >50 To 100, Deduct	*-21.44*	
		For >100, Deduct	*-30.67*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	383.98	62.39
		For >50 To 100, Deduct	*-22.32*	
		For >100, Deduct	*-31.92*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	387.50	62.39
		For >50 To 100, Deduct	*-22.49*	
		For >100, Deduct	*-32.18*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	395.19	62.39
		For >50 To 100, Deduct	*-22.88*	
		For >100, Deduct	*-32.76*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	408.29	65.10
		For >50 To 100, Deduct	*-23.67*	
		For >100, Deduct	*-33.88*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	449.08	65.10
		For >50 To 100, Deduct	*-25.71*	
		For >100, Deduct	*-36.94*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	537.28	67.81
		For >50 To 100, Deduct	*-30.25*	
		For >100, Deduct	*-43.69*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	557.39	67.81
		For >50 To 100, Deduct	*-31.26*	
		For >100, Deduct	*-45.20*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	597.57	67.81
		For >50 To 100, Deduct	*-33.27*	
		For >100, Deduct	*-48.21*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	417.88	59.67
		For >50 To 100, Deduct	*-23.88*	
		For >100, Deduct	*-34.33*	
		For 9' Door Height, Add	*62.69*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	417.91	59.67
		For >50 To 100, Deduct	*-23.88*	
		For >100, Deduct	*-34.33*	
		For 9' Door Height, Add	*62.70*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	434.54	62.39
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-35.71*	
		For 9' Door Height, Add	*65.05*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	438.72	62.39
		For >50 To 100, Deduct	*-25.06*	
		For >100, Deduct	*-36.02*	
		For 9' Door Height, Add	*65.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	447.92	62.39
		For >50 To 100, Deduct	*-25.52*	
		For >100, Deduct	*-36.71*	
		For 9' Door Height, Add	*67.86*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	462.52	65.10
		For >50 To 100, Deduct	*-26.38*	
		For >100, Deduct	*-37.94*	
		For 9' Door Height, Add	*69.79*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.27	65.10
		For >50 To 100, Deduct	*-28.82*	
		For >100, Deduct	*-41.60*	
		For 9' Door Height, Add	*80.02*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	615.61	67.81
		For >50 To 100, Deduct	*-34.17*	
		For >100, Deduct	*-49.56*	
		For 9' Door Height, Add	*100.80*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	639.64	67.81
		For >50 To 100, Deduct	*-35.37*	
		For >100, Deduct	*-51.36*	
		For 9' Door Height, Add	*105.84*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	687.66	67.81
		For >50 To 100, Deduct	*-37.77*	
		For >100, Deduct	*-54.97*	
		For 9' Door Height, Add	*115.93*	
08 14 16 00-0190		**Maple Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	356.06	59.67
		For >50 To 100, Deduct	*-20.79*	
		For >100, Deduct	*-29.69*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	356.06	59.67
		For >50 To 100, Deduct	*-20.79*	
		For >100, Deduct	*-29.69*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	370.37	62.39
		For >50 To 100, Deduct	*-21.64*	
		For >100, Deduct	*-30.90*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	373.84	62.39
		For >50 To 100, Deduct	*-21.81*	
		For >100, Deduct	*-31.16*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.06	62.39
		For >50 To 100, Deduct	*-22.17*	
		For >100, Deduct	*-31.70*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	393.68	65.10
		For >50 To 100, Deduct	*-22.94*	
		For >100, Deduct	*-32.78*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	432.33	65.10
		For >50 To 100, Deduct	*-24.87*	
		For >100, Deduct	*-35.68*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	497.26	67.81
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-40.69*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	535.22	67.81
		For >50 To 100, Deduct	*-30.15*	
		For >100, Deduct	*-43.53*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	573.30	67.81
		For >50 To 100, Deduct	*-32.06*	
		For >100, Deduct	*-46.39*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.84	59.67
		For >50 To 100, Deduct	*-21.48*	
		For >100, Deduct	*-30.72*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.84	59.67
		For >50 To 100, Deduct	*-21.48*	
		For >100, Deduct	*-30.72*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	384.65	62.39
		For >50 To 100, Deduct	*-22.35*	
		For >100, Deduct	*-31.97*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	388.34	62.39
		For >50 To 100, Deduct	*-22.54*	
		For >100, Deduct	*-32.24*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	395.96	62.39
		For >50 To 100, Deduct	*-22.92*	
		For >100, Deduct	*-32.82*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	409.00	65.10
		For >50 To 100, Deduct	*-23.71*	
		For >100, Deduct	*-33.93*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	449.91	65.10
		For >50 To 100, Deduct	*-25.75*	
		For >100, Deduct	*-37.00*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	518.21	67.81
		For >50 To 100, Deduct	*-29.30*	
		For >100, Deduct	*-42.26*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	558.50	67.81
		For >50 To 100, Deduct	*-31.32*	
		For >100, Deduct	*-45.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	598.76	67.81
		For >50 To 100, Deduct	*-33.33*	
		For >100, Deduct	*-48.30*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	418.69	59.67
		For >50 To 100, Deduct	*-23.92*	
		For >100, Deduct	*-34.39*	
		For 9' Door Height, Add	*62.86*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	418.69	59.67
		For >50 To 100, Deduct	*-23.92*	
		For >100, Deduct	*-34.39*	
		For 9' Door Height, Add	*62.86*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.33	62.39
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-35.77*	
		For 9' Door Height, Add	*65.22*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	439.74	62.39
		For >50 To 100, Deduct	*-25.11*	
		For >100, Deduct	*-36.10*	
		For 9' Door Height, Add	*66.14*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	448.81	62.39
		For >50 To 100, Deduct	*-25.56*	
		For >100, Deduct	*-36.78*	
		For 9' Door Height, Add	*68.05*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	463.37	65.10
		For >50 To 100, Deduct	*-26.42*	
		For >100, Deduct	*-38.01*	
		For 9' Door Height, Add	*69.97*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	512.24	65.10
		For >50 To 100, Deduct	*-28.87*	
		For >100, Deduct	*-41.67*	
		For 9' Door Height, Add	*80.23*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	592.84	67.81
		For >50 To 100, Deduct	*-33.03*	
		For >100, Deduct	*-47.85*	
		For 9' Door Height, Add	*96.01*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	640.96	67.81
		For >50 To 100, Deduct	*-35.44*	
		For >100, Deduct	*-51.46*	
		For 9' Door Height, Add	*106.12*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	689.11	67.81
		For >50 To 100, Deduct	*-37.85*	
		For >100, Deduct	*-55.07*	
		For 9' Door Height, Add	*116.23*	

08 14 16 00-0221 Walnut Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	439.19	59.67
		For >50 To 100, Deduct	*-24.94*	
		For >100, Deduct	*-35.92*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	439.19	59.67
		For >50 To 100, Deduct	*-24.94*	
		For >100, Deduct	*-35.92*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	446.82	62.39
		For >50 To 100, Deduct	*-25.46*	
		For >100, Deduct	*-36.63*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	461.01	62.39
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-37.70*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	463.17	62.39
		For >50 To 100, Deduct	*-26.28*	
		For >100, Deduct	*-37.86*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	470.77	65.10
		For >50 To 100, Deduct	*-26.79*	
		For >100, Deduct	*-38.56*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	508.78	65.10
		For >50 To 100, Deduct	*-28.69*	
		For >100, Deduct	*-41.41*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	612.34	67.81
		For >50 To 100, Deduct	*-34.01*	
		For >100, Deduct	*-49.32*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	636.17	67.81
		For >50 To 100, Deduct	*-35.20*	
		For >100, Deduct	*-51.10*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	683.89	67.81
		For >50 To 100, Deduct	*-37.59*	
		For >100, Deduct	*-54.68*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	457.79	59.67
		For >50 To 100, Deduct	*-25.87*	
		For >100, Deduct	*-37.32*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	457.79	59.67
		For >50 To 100, Deduct	*-25.87*	
		For >100, Deduct	*-37.32*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	465.58	62.39
		For >50 To 100, Deduct	*-26.40*	
		For >100, Deduct	*-38.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	480.56	62.39
		For >50 To 100, Deduct	*-27.15*	
		For >100, Deduct	*-39.16*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	482.88	62.39
		For >50 To 100, Deduct	*-27.26*	
		For >100, Deduct	*-39.34*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	490.59	65.10
		For >50 To 100, Deduct	*-27.78*	
		For >100, Deduct	*-40.05*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	530.80	65.10
		For >50 To 100, Deduct	*-29.80*	
		For >100, Deduct	*-43.07*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	640.09	67.81
		For >50 To 100, Deduct	*-35.40*	
		For >100, Deduct	*-51.40*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	665.31	67.81
		For >50 To 100, Deduct	*-36.66*	
		For >100, Deduct	*-53.29*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	715.79	67.81
		For >50 To 100, Deduct	*-39.18*	
		For >100, Deduct	*-57.08*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	523.79	59.67
		For >50 To 100, Deduct	*-29.17*	
		For >100, Deduct	*-42.27*	
		For 9' Door Height, Add	*84.93*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	523.79	59.67
		For >50 To 100, Deduct	*-29.17*	
		For >100, Deduct	*-42.27*	
		For 9' Door Height, Add	*84.93*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	532.05	62.39
		For >50 To 100, Deduct	*-29.72*	
		For >100, Deduct	*-43.02*	
		For 9' Door Height, Add	*85.53*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	549.94	62.39
		For >50 To 100, Deduct	*-30.62*	
		For >100, Deduct	*-44.36*	
		For 9' Door Height, Add	*89.29*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	552.70	62.39
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-44.57*	
		For 9' Door Height, Add	*89.87*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	560.86	65.10
		For >50 To 100, Deduct	*-31.30*	
		For >100, Deduct	*-45.32*	
		For 9' Door Height, Add	*90.44*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	608.93	65.10
		For >50 To 100, Deduct	*-33.70*	
		For >100, Deduct	*-48.92*	
		For 9' Door Height, Add	*100.53*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	738.46	67.81
		For >50 To 100, Deduct	*-40.31*	
		For >100, Deduct	*-58.78*	
		For 9' Door Height, Add	*126.59*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	768.61	67.81
		For >50 To 100, Deduct	*-41.82*	
		For >100, Deduct	*-61.04*	
		For 9' Door Height, Add	*132.93*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	828.90	67.81
		For >50 To 100, Deduct	*-44.84*	
		For >100, Deduct	*-65.56*	
		For 9' Door Height, Add	*145.59*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.20	59.67
		For >50 To 100, Deduct	*-14.74*	
		For >100, Deduct	*-20.62*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.20	59.67
		For >50 To 100, Deduct	*-14.74*	
		For >100, Deduct	*-20.62*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	248.57	62.39
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-21.76*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	255.05	62.39
		For >50 To 100, Deduct	*-15.87*	
		For >100, Deduct	*-22.25*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.34	62.39
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.34*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	263.05	65.10
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-22.98*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.65	65.10
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-24.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	301.91	67.81
		For >50 To 100, Deduct	*-18.49*	
		For >100, Deduct	*-26.03*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	310.20	67.81
		For >50 To 100, Deduct	*-18.90*	
		For >100, Deduct	*-26.66*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	326.84	67.81
		For >50 To 100, Deduct	*-19.73*	
		For >100, Deduct	*-27.90*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.93	59.67
		For >50 To 100, Deduct	*-15.08*	
		For >100, Deduct	*-21.13*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.93	59.67
		For >50 To 100, Deduct	*-15.08*	
		For >100, Deduct	*-21.13*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	255.78	62.39
		For >50 To 100, Deduct	*-15.91*	
		For >100, Deduct	*-22.30*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.64	62.39
		For >50 To 100, Deduct	*-16.25*	
		For >100, Deduct	*-22.82*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.00	62.39
		For >50 To 100, Deduct	*-16.32*	
		For >100, Deduct	*-22.92*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.78	65.10
		For >50 To 100, Deduct	*-16.79*	
		For >100, Deduct	*-23.56*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.24	65.10
		For >50 To 100, Deduct	*-17.57*	
		For >100, Deduct	*-24.72*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	311.57	67.81
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-26.76*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	320.36	67.81
		For >50 To 100, Deduct	*-19.41*	
		For >100, Deduct	*-27.42*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	337.96	67.81
		For >50 To 100, Deduct	*-20.29*	
		For >100, Deduct	*-28.74*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.82	59.67
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-22.92*	
		For 9' Door Height, Add	*30.76*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.82	59.67
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-22.92*	
		For 9' Door Height, Add	*30.76*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	281.32	62.39
		For >50 To 100, Deduct	*-17.19*	
		For >100, Deduct	*-24.22*	
		For 9' Door Height, Add	*32.88*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	289.51	62.39
		For >50 To 100, Deduct	*-17.59*	
		For >100, Deduct	*-24.83*	
		For 9' Door Height, Add	*34.60*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.15	62.39
		For >50 To 100, Deduct	*-17.68*	
		For >100, Deduct	*-24.96*	
		For 9' Door Height, Add	*34.94*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	298.19	65.10
		For >50 To 100, Deduct	*-18.16*	
		For >100, Deduct	*-25.62*	
		For 9' Door Height, Add	*35.28*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	316.67	65.10
		For >50 To 100, Deduct	*-19.09*	
		For >100, Deduct	*-27.01*	
		For 9' Door Height, Add	*39.16*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	345.87	67.81
		For >50 To 100, Deduct	*-20.68*	
		For >100, Deduct	*-29.33*	
		For 9' Door Height, Add	*44.15*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	356.39	67.81
		For >50 To 100, Deduct	*-21.21*	
		For >100, Deduct	*-30.12*	
		For 9' Door Height, Add	*46.36*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	377.41	67.81
		For >50 To 100, Deduct	*-22.26*	
		For >100, Deduct	*-31.70*	
		For 9' Door Height, Add	*50.77*	

08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	253.22	59.67
		For >50 To 100, Deduct	*-15.65*	
		For >100, Deduct	*-21.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	253.24	59.67
		For >50 To 100, Deduct	*-15.65*	
		For >100, Deduct	*-21.98*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	262.36	62.39
		For >50 To 100, Deduct	*-16.24*	
		For >100, Deduct	*-22.80*	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	269.82	62.39
		For >50 To 100, Deduct	*-16.61*	
		For >100, Deduct	*-23.36*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	273.55	62.39
		For >50 To 100, Deduct	*-16.80*	
		For >100, Deduct	*-23.64*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	282.65	65.10
		For >50 To 100, Deduct	*-17.39*	
		For >100, Deduct	*-24.45*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	291.16	65.10
		For >50 To 100, Deduct	*-17.81*	
		For >100, Deduct	*-25.09*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	324.24	67.81
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.71*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	333.67	67.81
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-28.42*	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	352.55	67.81
		For >50 To 100, Deduct	*-21.02*	
		For >100, Deduct	*-29.83*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	261.02	59.67
		For >50 To 100, Deduct	*-16.04*	
		For >100, Deduct	*-22.56*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	261.02	59.67
		For >50 To 100, Deduct	*-16.04*	
		For >100, Deduct	*-22.56*	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	270.36	62.39
		For >50 To 100, Deduct	*-16.64*	
		For >100, Deduct	*-23.40*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	278.25	62.39
		For >50 To 100, Deduct	*-17.03*	
		For >100, Deduct	*-23.99*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	282.20	62.39
		For >50 To 100, Deduct	*-17.23*	
		For >100, Deduct	*-24.28*	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	291.54	65.10
		For >50 To 100, Deduct	*-17.83*	
		For >100, Deduct	*-25.12*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.53	65.10
		For >50 To 100, Deduct	*-18.28*	
		For >100, Deduct	*-25.79*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	335.23	67.81
		For >50 To 100, Deduct	*-20.15*	
		For >100, Deduct	*-28.53*	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	345.21	67.81
		For >50 To 100, Deduct	*-20.65*	
		For >100, Deduct	*-29.28*	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	365.16	67.81
		For >50 To 100, Deduct	*-21.65*	
		For >100, Deduct	*-30.78*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	288.65	59.67
		For >50 To 100, Deduct	*-17.42*	
		For >100, Deduct	*-24.63*	
		For 9' Door Height, Add	*35.55*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	288.65	59.67
		For >50 To 100, Deduct	*-17.42*	
		For >100, Deduct	*-24.63*	
		For 9' Door Height, Add	*35.55*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	298.74	62.39
		For >50 To 100, Deduct	*-18.06*	
		For >100, Deduct	*-25.52*	
		For 9' Door Height, Add	*36.53*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.17	62.39
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-26.23*	
		For 9' Door Height, Add	*38.51*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	312.89	62.39
		For >50 To 100, Deduct	*-18.76*	
		For >100, Deduct	*-26.59*	
		For 9' Door Height, Add	*39.51*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	323.00	65.10
		For >50 To 100, Deduct	*-19.41*	
		For >100, Deduct	*-27.48*	
		For 9' Door Height, Add	*40.49*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	333.76	65.10
		For >50 To 100, Deduct	*-19.94*	
		For >100, Deduct	*-28.29*	
		For 9' Door Height, Add	*42.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	374.16	67.81
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-31.45*	
		For 9' Door Height, Add	*50.09*	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	386.07	67.81
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-32.35*	
		For 9' Door Height, Add	*52.59*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	409.94	67.81
		For >50 To 100, Deduct	*-23.89*	
		For >100, Deduct	*-34.14*	
		For 9' Door Height, Add	*57.61*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	274.93	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.11*	
		For Stave Lumber Core (SLC), Add	*116.68*	
		For Structural Composite Lumber Core (SCLC), Add	*70.01*	
		For >50 To 100, Deduct	*-16.73*	
		For >100, Deduct	*-23.60*	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	274.96	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.11*	
		For Stave Lumber Core (SLC), Add	*116.70*	
		For Structural Composite Lumber Core (SCLC), Add	*70.02*	
		For >50 To 100, Deduct	*-16.73*	
		For >100, Deduct	*-23.61*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	288.52	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.28*	
		For Stave Lumber Core (SLC), Add	*122.81*	
		For Structural Composite Lumber Core (SCLC), Add	*73.69*	
		For >50 To 100, Deduct	*-17.55*	
		For >100, Deduct	*-24.76*	
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	296.68	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*128.93*	
		For Structural Composite Lumber Core (SCLC), Add	*77.36*	
		For >50 To 100, Deduct	*-17.95*	
		For >100, Deduct	*-25.37*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	301.66	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.54*	
		For Stave Lumber Core (SLC), Add	*132.67*	
		For Structural Composite Lumber Core (SCLC), Add	*79.60*	
		For >50 To 100, Deduct	*-18.20*	
		For >100, Deduct	*-25.74*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	312.09	65.10
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.42*	
		For Structural Composite Lumber Core (SCLC), Add	*81.85*	
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-26.66*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	332.04	65.10
		For 7 Ply Cold Press Construction, Deduct	*-4.04*	
		For Stave Lumber Core (SLC), Add	*151.38*	
		For Structural Composite Lumber Core (SCLC), Add	*90.83*	
		For >50 To 100, Deduct	*-19.86*	
		For >100, Deduct	*-28.16*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	350.38	67.81
		For 7 Ply Cold Press Construction, Deduct	*-4.30*	
		For Stave Lumber Core (SLC), Add	*161.06*	
		For Structural Composite Lumber Core (SCLC), Add	*96.64*	
		For >50 To 100, Deduct	*-20.91*	
		For >100, Deduct	*-29.67*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	283.99	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.29*	
		For Stave Lumber Core (SLC), Add	*123.47*	
		For Structural Composite Lumber Core (SCLC), Add	*74.08*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-24.28*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	284.00	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.29*	
		For Stave Lumber Core (SLC), Add	*123.48*	
		For Structural Composite Lumber Core (SCLC), Add	*74.09*	
		For >50 To 100, Deduct	*-17.18*	
		For >100, Deduct	*-24.28*	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	298.05	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.47*	
		For Stave Lumber Core (SLC), Add	*129.96*	
		For Structural Composite Lumber Core (SCLC), Add	*77.98*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-25.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	306.70	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.45*	
		For Structural Composite Lumber Core (SCLC), Add	*81.87*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-26.12*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	311.96	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.74*	
		For Stave Lumber Core (SLC), Add	*140.39*	
		For Structural Composite Lumber Core (SCLC), Add	*84.24*	
		For >50 To 100, Deduct	*-18.72*	
		For >100, Deduct	*-26.52*	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	322.67	65.10
		For 7 Ply Cold Press Construction, Deduct	*-3.85*	
		For Stave Lumber Core (SLC), Add	*144.35*	
		For Structural Composite Lumber Core (SCLC), Add	*86.61*	
		For >50 To 100, Deduct	*-19.39*	
		For >100, Deduct	*-27.46*	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	343.80	65.10
		For 7 Ply Cold Press Construction, Deduct	*-4.27*	
		For Stave Lumber Core (SLC), Add	*160.20*	
		For Structural Composite Lumber Core (SCLC), Add	*96.12*	
		For >50 To 100, Deduct	*-20.45*	
		For >100, Deduct	*-29.04*	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	362.88	67.81
		For 7 Ply Cold Press Construction, Deduct	*-4.55*	
		For Stave Lumber Core (SLC), Add	*170.44*	
		For Structural Composite Lumber Core (SCLC), Add	*102.26*	
		For >50 To 100, Deduct	*-21.53*	
		For >100, Deduct	*-30.61*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	316.10	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.56*	
		For Structural Composite Lumber Core (SCLC), Add	*88.53*	
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.69*	
		For 9' Door Height, Add	*41.32*	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	316.10	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.56*	
		For Structural Composite Lumber Core (SCLC), Add	*88.53*	
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-26.69*	
		For 9' Door Height, Add	*41.32*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	331.84	62.39
		For 7 Ply Cold Press Construction, Deduct	*-4.14*	
		For Stave Lumber Core (SLC), Add	*155.30*	
		For Structural Composite Lumber Core (SCLC), Add	*93.18*	
		For >50 To 100, Deduct	*-19.71*	
		For >100, Deduct	*-28.01*	
		For 9' Door Height, Add	*43.48*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	342.17	62.39
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.05*	
		For Structural Composite Lumber Core (SCLC), Add	*97.83*	
		For >50 To 100, Deduct	*-20.23*	
		For >100, Deduct	*-28.78*	
		For 9' Door Height, Add	*45.65*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	348.46	62.39
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.77*	
		For Structural Composite Lumber Core (SCLC), Add	*100.66*	
		For >50 To 100, Deduct	*-20.54*	
		For >100, Deduct	*-29.25*	
		For 9' Door Height, Add	*46.97*	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.21	65.10
		For 7 Ply Cold Press Construction, Deduct	*-4.60*	
		For Stave Lumber Core (SLC), Add	*172.51*	
		For Structural Composite Lumber Core (SCLC), Add	*103.50*	
		For >50 To 100, Deduct	*-21.27*	
		For >100, Deduct	*-30.27*	
		For 9' Door Height, Add	*48.30*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	385.44	65.10
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.43*	
		For Structural Composite Lumber Core (SCLC), Add	*114.86*	
		For >50 To 100, Deduct	*-22.53*	
		For >100, Deduct	*-32.16*	
		For 9' Door Height, Add	*53.60*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	407.19	67.81
		For 7 Ply Cold Press Construction, Deduct	*-5.43*	
		For Stave Lumber Core (SLC), Add	*203.67*	
		For Structural Composite Lumber Core (SCLC), Add	*122.20*	
		For >50 To 100, Deduct	*-23.75*	
		For >100, Deduct	*-33.93*	
		For 9' Door Height, Add	*57.03*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0340		Oak Faced Wood Doors *(08 14 16 00-0314)*		
08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	391.61	59.67
		For 7 Ply Cold Press Construction, Deduct	*-5.45*	
		For Stave Lumber Core (SLC), Add	*204.19*	
		For Structural Composite Lumber Core (SCLC), Add	*122.51*	
		For >50 To 100, Deduct	*-22.56*	
		For >100, Deduct	*-32.35*	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	391.61	59.67
		For 7 Ply Cold Press Construction, Deduct	*-5.45*	
		For Stave Lumber Core (SLC), Add	*204.19*	
		For Structural Composite Lumber Core (SCLC), Add	*122.51*	
		For >50 To 100, Deduct	*-22.56*	
		For >100, Deduct	*-32.35*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	411.35	62.39
		For 7 Ply Cold Press Construction, Deduct	*-5.73*	
		For Stave Lumber Core (SLC), Add	*214.94*	
		For Structural Composite Lumber Core (SCLC), Add	*128.96*	
		For >50 To 100, Deduct	*-23.69*	
		For >100, Deduct	*-33.97*	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	425.64	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.02*	
		For Stave Lumber Core (SLC), Add	*225.65*	
		For Structural Composite Lumber Core (SCLC), Add	*135.39*	
		For >50 To 100, Deduct	*-24.40*	
		For >100, Deduct	*-35.04*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	434.34	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.19*	
		For Stave Lumber Core (SLC), Add	*232.18*	
		For Structural Composite Lumber Core (SCLC), Add	*139.31*	
		For >50 To 100, Deduct	*-24.84*	
		For >100, Deduct	*-35.69*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	448.51	65.10
		For 7 Ply Cold Press Construction, Deduct	*-6.37*	
		For Stave Lumber Core (SLC), Add	*238.73*	
		For Structural Composite Lumber Core (SCLC), Add	*143.24*	
		For >50 To 100, Deduct	*-25.68*	
		For >100, Deduct	*-36.89*	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	483.44	65.10
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.93*	
		For Structural Composite Lumber Core (SCLC), Add	*158.96*	
		For >50 To 100, Deduct	*-27.43*	
		For >100, Deduct	*-39.51*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	511.44	67.81
		For 7 Ply Cold Press Construction, Deduct	*-7.52*	
		For Stave Lumber Core (SLC), Add	*281.86*	
		For Structural Composite Lumber Core (SCLC), Add	*169.11*	
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-41.75*	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	407.44	59.67
		For 7 Ply Cold Press Construction, Deduct	*-5.76*	
		For Stave Lumber Core (SLC), Add	*216.06*	
		For Structural Composite Lumber Core (SCLC), Add	*129.64*	
		For >50 To 100, Deduct	*-23.36*	
		For >100, Deduct	*-33.54*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	407.44	59.67
		For 7 Ply Cold Press Construction, Deduct	*-5.76*	
		For Stave Lumber Core (SLC), Add	*216.06*	
		For Structural Composite Lumber Core (SCLC), Add	*129.64*	
		For >50 To 100, Deduct	*-23.36*	
		For >100, Deduct	*-33.54*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	428.04	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.07*	
		For Stave Lumber Core (SLC), Add	*227.45*	
		For Structural Composite Lumber Core (SCLC), Add	*136.47*	
		For >50 To 100, Deduct	*-24.52*	
		For >100, Deduct	*-35.22*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	443.16	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.37*	
		For Stave Lumber Core (SLC), Add	*238.79*	
		For Structural Composite Lumber Core (SCLC), Add	*143.28*	
		For >50 To 100, Deduct	*-25.28*	
		For >100, Deduct	*-36.36*	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	452.36	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.55*	
		For Stave Lumber Core (SLC), Add	*245.69*	
		For Structural Composite Lumber Core (SCLC), Add	*147.42*	
		For >50 To 100, Deduct	*-25.74*	
		For >100, Deduct	*-37.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	467.03	65.10
		For 7 Ply Cold Press Construction, Deduct	*-6.74*	
		For Stave Lumber Core (SLC), Add	*252.62*	
		For Structural Composite Lumber Core (SCLC), Add	*151.57*	
		For >50 To 100, Deduct	*-26.61*	
		For >100, Deduct	*-38.28*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	504.00	65.10
		For 7 Ply Cold Press Construction, Deduct	*-7.48*	
		For Stave Lumber Core (SLC), Add	*280.35*	
		For Structural Composite Lumber Core (SCLC), Add	*168.21*	
		For >50 To 100, Deduct	*-28.46*	
		For >100, Deduct	*-41.06*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	533.33	67.81
		For 7 Ply Cold Press Construction, Deduct	*-7.95*	
		For Stave Lumber Core (SLC), Add	*298.28*	
		For Structural Composite Lumber Core (SCLC), Add	*178.97*	
		For >50 To 100, Deduct	*-30.06*	
		For >100, Deduct	*-48.39*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	463.61	59.67
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.19*	
		For Structural Composite Lumber Core (SCLC), Add	*154.91*	
		For >50 To 100, Deduct	*-26.16*	
		For >100, Deduct	*-37.75*	
		For 9' Door Height, Add	*72.29*	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	463.61	59.67
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.19*	
		For Structural Composite Lumber Core (SCLC), Add	*154.91*	
		For >50 To 100, Deduct	*-26.16*	
		For >100, Deduct	*-37.75*	
		For 9' Door Height, Add	*72.29*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	487.18	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.25*	
		For Stave Lumber Core (SLC), Add	*271.81*	
		For Structural Composite Lumber Core (SCLC), Add	*163.08*	
		For >50 To 100, Deduct	*-27.48*	
		For >100, Deduct	*-39.66*	
		For 9' Door Height, Add	*76.11*	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	505.24	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.61*	
		For Stave Lumber Core (SLC), Add	*285.35*	
		For Structural Composite Lumber Core (SCLC), Add	*171.21*	
		For >50 To 100, Deduct	*-28.38*	
		For >100, Deduct	*-41.01*	
		For 9' Door Height, Add	*79.90*	
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	516.23	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.83*	
		For Stave Lumber Core (SLC), Add	*293.60*	
		For Structural Composite Lumber Core (SCLC), Add	*176.16*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-41.84*	
		For 9' Door Height, Add	*82.21*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	532.73	65.10
		For 7 Ply Cold Press Construction, Deduct	*-8.05*	
		For Stave Lumber Core (SLC), Add	*301.90*	
		For Structural Composite Lumber Core (SCLC), Add	*181.14*	
		For >50 To 100, Deduct	*-29.89*	
		For >100, Deduct	*-43.21*	
		For 9' Door Height, Add	*84.53*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	576.90	65.10
		For 7 Ply Cold Press Construction, Deduct	*-8.93*	
		For Stave Lumber Core (SLC), Add	*335.03*	
		For Structural Composite Lumber Core (SCLC), Add	*201.02*	
		For >50 To 100, Deduct	*-32.10*	
		For >100, Deduct	*-46.52*	
		For 9' Door Height, Add	*93.81*	
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	610.88	67.81
		For 7 Ply Cold Press Construction, Deduct	*-9.51*	
		For Stave Lumber Core (SLC), Add	*356.44*	
		For Structural Composite Lumber Core (SCLC), Add	*213.86*	
		For >50 To 100, Deduct	*-33.93*	
		For >100, Deduct	*-49.21*	
		For 9' Door Height, Add	*99.80*	

08 14 16 00-0365 Maple Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	349.72	59.67
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.77*	
		For Structural Composite Lumber Core (SCLC), Add	*103.66*	
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-29.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	349.72	59.67
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.77*	
		For Structural Composite Lumber Core (SCLC), Add	*103.66*	
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-29.21*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	367.26	62.39
		For 7 Ply Cold Press Construction, Deduct	*-4.85*	
		For Stave Lumber Core (SLC), Add	*181.87*	
		For Structural Composite Lumber Core (SCLC), Add	*109.12*	
		For >50 To 100, Deduct	*-21.48*	
		For >100, Deduct	*-30.66*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.36	62.39
		For 7 Ply Cold Press Construction, Deduct	*-5.09*	
		For Stave Lumber Core (SLC), Add	*190.94*	
		For Structural Composite Lumber Core (SCLC), Add	*114.57*	
		For >50 To 100, Deduct	*-22.09*	
		For >100, Deduct	*-31.57*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	386.71	62.39
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.46*	
		For Structural Composite Lumber Core (SCLC), Add	*117.87*	
		For >50 To 100, Deduct	*-22.45*	
		For >100, Deduct	*-32.12*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	399.54	65.10
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.01*	
		For Structural Composite Lumber Core (SCLC), Add	*121.20*	
		For >50 To 100, Deduct	*-23.23*	
		For >100, Deduct	*-33.22*	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	429.09	65.10
		For 7 Ply Cold Press Construction, Deduct	*-5.98*	
		For Stave Lumber Core (SLC), Add	*224.17*	
		For Structural Composite Lumber Core (SCLC), Add	*134.50*	
		For >50 To 100, Deduct	*-24.71*	
		For >100, Deduct	*-35.44*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	453.62	67.81
		For 7 Ply Cold Press Construction, Deduct	*-6.36*	
		For Stave Lumber Core (SLC), Add	*238.49*	
		For Structural Composite Lumber Core (SCLC), Add	*143.10*	
		For >50 To 100, Deduct	*-26.07*	
		For >100, Deduct	*-37.41*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	363.11	59.67
		For 7 Ply Cold Press Construction, Deduct	*-4.88*	
		For Stave Lumber Core (SLC), Add	*182.81*	
		For Structural Composite Lumber Core (SCLC), Add	*109.69*	
		For >50 To 100, Deduct	*-21.14*	
		For >100, Deduct	*-30.22*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	363.11	59.67
		For 7 Ply Cold Press Construction, Deduct	*-4.88*	
		For Stave Lumber Core (SLC), Add	*182.81*	
		For Structural Composite Lumber Core (SCLC), Add	*109.69*	
		For >50 To 100, Deduct	*-21.14*	
		For >100, Deduct	*-30.22*	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	381.38	62.39
		For 7 Ply Cold Press Construction, Deduct	*-5.13*	
		For Stave Lumber Core (SLC), Add	*192.46*	
		For Structural Composite Lumber Core (SCLC), Add	*115.47*	
		For >50 To 100, Deduct	*-22.19*	
		For >100, Deduct	*-31.72*	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	394.18	62.39
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.06*	
		For Structural Composite Lumber Core (SCLC), Add	*121.23*	
		For >50 To 100, Deduct	*-22.83*	
		For >100, Deduct	*-32.68*	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	401.96	62.39
		For 7 Ply Cold Press Construction, Deduct	*-5.54*	
		For Stave Lumber Core (SLC), Add	*207.89*	
		For Structural Composite Lumber Core (SCLC), Add	*124.74*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-33.27*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	415.22	65.10
		For 7 Ply Cold Press Construction, Deduct	*-5.70*	
		For Stave Lumber Core (SLC), Add	*213.77*	
		For Structural Composite Lumber Core (SCLC), Add	*128.26*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-34.40*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	446.49	65.10
		For 7 Ply Cold Press Construction, Deduct	*-6.33*	
		For Stave Lumber Core (SLC), Add	*237.22*	
		For Structural Composite Lumber Core (SCLC), Add	*142.33*	
		For >50 To 100, Deduct	*-25.58*	
		For >100, Deduct	*-36.74*	

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MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0381	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	472.13	67.81
	For 7 Ply Cold Press Construction, Deduct	*-6.73*	
	For Stave Lumber Core (SLC), Add	*252.38*	
	For Structural Composite Lumber Core (SCLC), Add	*151.43*	
	For >50 To 100, Deduct	*-27.00*	
	For >100, Deduct	*-38.80*	
08 14 16 00-0382	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	410.65	59.67
	For 7 Ply Cold Press Construction, Deduct	*-5.83*	
	For Stave Lumber Core (SLC), Add	*218.47*	
	For Structural Composite Lumber Core (SCLC), Add	*131.08*	
	For >50 To 100, Deduct	*-23.52*	
	For >100, Deduct	*-33.78*	
	For 9' Door Height, Add	*61.17*	
08 14 16 00-0383	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	410.65	59.67
	For 7 Ply Cold Press Construction, Deduct	*-5.83*	
	For Stave Lumber Core (SLC), Add	*218.47*	
	For Structural Composite Lumber Core (SCLC), Add	*131.08*	
	For >50 To 100, Deduct	*-23.52*	
	For >100, Deduct	*-33.78*	
	For 9' Door Height, Add	*61.17*	
08 14 16 00-0384	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	431.41	62.39
	For 7 Ply Cold Press Construction, Deduct	*-6.13*	
	For Stave Lumber Core (SLC), Add	*229.98*	
	For Structural Composite Lumber Core (SCLC), Add	*137.99*	
	For >50 To 100, Deduct	*-24.69*	
	For >100, Deduct	*-35.48*	
	For 9' Door Height, Add	*64.39*	
08 14 16 00-0385	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	446.70	62.39
	For 7 Ply Cold Press Construction, Deduct	*-6.44*	
	For Stave Lumber Core (SLC), Add	*241.45*	
	For Structural Composite Lumber Core (SCLC), Add	*144.87*	
	For >50 To 100, Deduct	*-25.45*	
	For >100, Deduct	*-36.62*	
	For 9' Door Height, Add	*67.61*	
08 14 16 00-0386	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	456.02	62.39
	For 7 Ply Cold Press Construction, Deduct	*-6.63*	
	For Stave Lumber Core (SLC), Add	*248.44*	
	For Structural Composite Lumber Core (SCLC), Add	*149.06*	
	For >50 To 100, Deduct	*-25.92*	
	For >100, Deduct	*-37.32*	
	For 9' Door Height, Add	*69.56*	
08 14 16 00-0387	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	470.79	65.10
	For 7 Ply Cold Press Construction, Deduct	*-6.81*	
	For Stave Lumber Core (SLC), Add	*255.44*	
	For Structural Composite Lumber Core (SCLC), Add	*153.27*	
	For >50 To 100, Deduct	*-26.79*	
	For >100, Deduct	*-38.56*	
	For 9' Door Height, Add	*71.52*	
08 14 16 00-0388	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	508.18	65.10
	For 7 Ply Cold Press Construction, Deduct	*-7.56*	
	For Stave Lumber Core (SLC), Add	*283.49*	
	For Structural Composite Lumber Core (SCLC), Add	*170.09*	
	For >50 To 100, Deduct	*-28.66*	
	For >100, Deduct	*-41.37*	
	For 9' Door Height, Add	*79.38*	
08 14 16 00-0389	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	537.75	67.81
	For 7 Ply Cold Press Construction, Deduct	*-8.04*	
	For Stave Lumber Core (SLC), Add	*301.59*	
	For Structural Composite Lumber Core (SCLC), Add	*180.95*	
	For >50 To 100, Deduct	*-30.28*	
	For >100, Deduct	*-43.72*	
	For 9' Door Height, Add	*84.45*	

08 14 16 00-0390 Lauan Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0391	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	340.75	59.67
	For >50 To 100, Deduct	*-20.02*	
	For >100, Deduct	*-28.54*	
08 14 16 00-0392	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	340.75	59.67
	For >50 To 100, Deduct	*-20.02*	
	For >100, Deduct	*-28.54*	
08 14 16 00-0393	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.28	62.39
	For >50 To 100, Deduct	*-21.03*	
	For >100, Deduct	*-29.99*	
08 14 16 00-0394	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	370.49	62.39
	For >50 To 100, Deduct	*-21.64*	
	For >100, Deduct	*-30.91*	
08 14 16 00-0395	EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	376.62	62.39
	For >50 To 100, Deduct	*-21.95*	
	For >100, Deduct	*-31.37*	
08 14 16 00-0396	EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	388.22	65.10
	For >50 To 100, Deduct	*-22.67*	
	For >100, Deduct	*-32.37*	
08 14 16 00-0397	EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	416.56	65.10
	For >50 To 100, Deduct	*-24.08*	
	For >100, Deduct	*-34.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	444.43	67.81
		For >50 To 100, Deduct	*-25.61*	
		For >100, Deduct	*-36.72*	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	353.64	59.67
		For >50 To 100, Deduct	*-20.67*	
		For >100, Deduct	*-29.51*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	353.64	59.67
		For >50 To 100, Deduct	*-20.67*	
		For >100, Deduct	*-29.51*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	371.89	62.39
		For >50 To 100, Deduct	*-21.71*	
		For >100, Deduct	*-31.01*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	384.79	62.39
		For >50 To 100, Deduct	*-22.36*	
		For >100, Deduct	*-31.98*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	391.29	62.39
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-32.47*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	403.22	65.10
		For >50 To 100, Deduct	*-23.42*	
		For >100, Deduct	*-33.50*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	433.25	65.10
		For >50 To 100, Deduct	*-24.92*	
		For >100, Deduct	*-35.75*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	462.38	67.81
		For >50 To 100, Deduct	*-26.51*	
		For >100, Deduct	*-38.07*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	399.35	59.67
		For >50 To 100, Deduct	*-22.95*	
		For >100, Deduct	*-32.94*	
		For 9' Door Height, Add	*58.80*	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	399.35	59.67
		For >50 To 100, Deduct	*-22.95*	
		For >100, Deduct	*-32.94*	
		For 9' Door Height, Add	*58.80*	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	420.06	62.39
		For >50 To 100, Deduct	*-24.12*	
		For >100, Deduct	*-34.62*	
		For 9' Door Height, Add	*62.01*	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	435.50	62.39
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-35.78*	
		For 9' Door Height, Add	*65.25*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	443.27	62.39
		For >50 To 100, Deduct	*-25.28*	
		For >100, Deduct	*-36.36*	
		For 9' Door Height, Add	*66.89*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	456.47	65.10
		For >50 To 100, Deduct	*-26.08*	
		For >100, Deduct	*-37.49*	
		For 9' Door Height, Add	*68.52*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	492.33	65.10
		For >50 To 100, Deduct	*-27.87*	
		For >100, Deduct	*-40.18*	
		For 9' Door Height, Add	*76.05*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	526.09	67.81
		For >50 To 100, Deduct	*-29.70*	
		For >100, Deduct	*-42.85*	
		For 9' Door Height, Add	*82.00*	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	301.10	59.67
		For Stave Lumber Core (SLC), Add	*136.31*	
		For Structural Composite Lumber Core (SCLC), Add	*81.78*	
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.57*	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	301.10	59.67
		For Stave Lumber Core (SLC), Add	*136.31*	
		For Structural Composite Lumber Core (SCLC), Add	*81.78*	
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-25.57*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.07	62.39
		For Stave Lumber Core (SLC), Add	*144.23*	
		For Structural Composite Lumber Core (SCLC), Add	*86.54*	
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-26.90*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	327.59	62.39
		For Stave Lumber Core (SLC), Add	*152.12*	
		For Structural Composite Lumber Core (SCLC), Add	*91.27*	
		For >50 To 100, Deduct	*-19.50*	
		For >100, Deduct	*-27.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.52	62.39
		For Stave Lumber Core (SLC), Add	*153.56*	
		For Structural Composite Lumber Core (SCLC), Add	*92.14*	
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-27.83*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	336.91	65.10
		For Stave Lumber Core (SLC), Add	*155.03*	
		For Structural Composite Lumber Core (SCLC), Add	*93.02*	
		For >50 To 100, Deduct	*-20.10*	
		For >100, Deduct	*-28.52*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	359.72	65.10
		For Stave Lumber Core (SLC), Add	*172.14*	
		For Structural Composite Lumber Core (SCLC), Add	*103.28*	
		For >50 To 100, Deduct	*-21.24*	
		For >100, Deduct	*-30.23*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	406.72	67.81
		For Stave Lumber Core (SLC), Add	*203.32*	
		For Structural Composite Lumber Core (SCLC), Add	*121.99*	
		For >50 To 100, Deduct	*-23.73*	
		For >100, Deduct	*-33.89*	
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	311.68	59.67
		For Stave Lumber Core (SLC), Add	*144.24*	
		For Structural Composite Lumber Core (SCLC), Add	*86.54*	
		For >50 To 100, Deduct	*-18.57*	
		For >100, Deduct	*-26.36*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	311.69	59.67
		For Stave Lumber Core (SLC), Add	*144.25*	
		For Structural Composite Lumber Core (SCLC), Add	*86.55*	
		For >50 To 100, Deduct	*-18.57*	
		For >100, Deduct	*-26.36*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	328.26	62.39
		For Stave Lumber Core (SLC), Add	*152.62*	
		For Structural Composite Lumber Core (SCLC), Add	*91.57*	
		For >50 To 100, Deduct	*-19.53*	
		For >100, Deduct	*-27.74*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	339.39	62.39
		For Stave Lumber Core (SLC), Add	*160.97*	
		For Structural Composite Lumber Core (SCLC), Add	*96.58*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-28.57*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	341.45	62.39
		For Stave Lumber Core (SLC), Add	*162.51*	
		For Structural Composite Lumber Core (SCLC), Add	*97.51*	
		For >50 To 100, Deduct	*-20.19*	
		For >100, Deduct	*-28.73*	
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	348.95	65.10
		For Stave Lumber Core (SLC), Add	*164.06*	
		For Structural Composite Lumber Core (SCLC), Add	*98.44*	
		For >50 To 100, Deduct	*-20.70*	
		For >100, Deduct	*-29.43*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	373.07	65.10
		For Stave Lumber Core (SLC), Add	*182.15*	
		For Structural Composite Lumber Core (SCLC), Add	*109.29*	
		For >50 To 100, Deduct	*-21.91*	
		For >100, Deduct	*-31.24*	
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	422.52	67.81
		For Stave Lumber Core (SLC), Add	*215.17*	
		For Structural Composite Lumber Core (SCLC), Add	*129.10*	
		For >50 To 100, Deduct	*-24.52*	
		For >100, Deduct	*-35.08*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.16	59.67
		For Stave Lumber Core (SLC), Add	*172.35*	
		For Structural Composite Lumber Core (SCLC), Add	*103.41*	
		For >50 To 100, Deduct	*-20.44*	
		For >100, Deduct	*-29.17*	
		For 9' Door Height, Add	*48.26*	
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.20	59.67
		For Stave Lumber Core (SLC), Add	*172.38*	
		For Structural Composite Lumber Core (SCLC), Add	*103.43*	
		For >50 To 100, Deduct	*-20.44*	
		For >100, Deduct	*-29.17*	
		For 9' Door Height, Add	*48.27*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	367.94	62.39
		For Stave Lumber Core (SLC), Add	*182.38*	
		For Structural Composite Lumber Core (SCLC), Add	*109.43*	
		For >50 To 100, Deduct	*-21.52*	
		For >100, Deduct	*-30.71*	
		For 9' Door Height, Add	*51.07*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	381.23	62.39
		For Stave Lumber Core (SLC), Add	*192.35*	
		For Structural Composite Lumber Core (SCLC), Add	*115.41*	
		For >50 To 100, Deduct	*-22.18*	
		For >100, Deduct	*-31.71*	
		For 9' Door Height, Add	*53.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	383.69	62.39
		For Stave Lumber Core (SLC), Add	*194.19*	
		For Structural Composite Lumber Core (SCLC), Add	*116.51*	
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-31.90*	
		For 9' Door Height, Add	*54.37*	
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	391.61	65.10
		For Stave Lumber Core (SLC), Add	*196.06*	
		For Structural Composite Lumber Core (SCLC), Add	*117.63*	
		For >50 To 100, Deduct	*-22.84*	
		For >100, Deduct	*-32.63*	
		For 9' Door Height, Add	*54.90*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	420.45	65.10
		For Stave Lumber Core (SLC), Add	*217.69*	
		For Structural Composite Lumber Core (SCLC), Add	*130.61*	
		For >50 To 100, Deduct	*-24.28*	
		For >100, Deduct	*-34.79*	
		For 9' Door Height, Add	*60.95*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	478.47	67.81
		For Stave Lumber Core (SLC), Add	*257.13*	
		For Structural Composite Lumber Core (SCLC), Add	*154.28*	
		For >50 To 100, Deduct	*-27.31*	
		For >100, Deduct	*-39.28*	
		For 9' Door Height, Add	*72.00*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	308.73	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.79*	
		For Stave Lumber Core (SLC), Add	*142.03*	
		For Structural Composite Lumber Core (SCLC), Add	*85.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.24*	
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-26.14*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	308.73	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.79*	
		For Stave Lumber Core (SLC), Add	*142.03*	
		For Structural Composite Lumber Core (SCLC), Add	*85.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.24*	
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-26.14*	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	304.16	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.59*	
		For Stave Lumber Core (SLC), Add	*134.54*	
		For Structural Composite Lumber Core (SCLC), Add	*80.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*96.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*134.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*215.27*	
		For >50 To 100, Deduct	*-18.33*	
		For >100, Deduct	*-25.93*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	311.64	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.74*	
		For Stave Lumber Core (SLC), Add	*140.15*	
		For Structural Composite Lumber Core (SCLC), Add	*84.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.15*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*224.24*	
		For >50 To 100, Deduct	*-18.70*	
		For >100, Deduct	*-26.49*	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	316.64	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.84*	
		For Stave Lumber Core (SLC), Add	*143.90*	
		For Structural Composite Lumber Core (SCLC), Add	*86.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.24*	
		For >50 To 100, Deduct	*-18.95*	
		For >100, Deduct	*-26.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.04	65.10
		For 7 Ply Cold Press Construction, Deduct	*-3.94*	
		For Stave Lumber Core (SLC), Add	*147.63*	
		For Structural Composite Lumber Core (SCLC), Add	*88.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.21*	
		For >50 To 100, Deduct	*-19.61*	
		For >100, Deduct	*-27.78*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	348.69	65.10
		For 7 Ply Cold Press Construction, Deduct	*-4.37*	
		For Stave Lumber Core (SLC), Add	*163.87*	
		For Structural Composite Lumber Core (SCLC), Add	*98.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.19*	
		For >50 To 100, Deduct	*-20.69*	
		For >100, Deduct	*-29.41*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	400.90	67.81
		For 7 Ply Cold Press Construction, Deduct	*-5.31*	
		For Stave Lumber Core (SLC), Add	*198.95*	
		For Structural Composite Lumber Core (SCLC), Add	*119.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*318.32*	
		For >50 To 100, Deduct	*-23.44*	
		For >100, Deduct	*-33.46*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	414.16	67.81
		For 7 Ply Cold Press Construction, Deduct	*-5.57*	
		For Stave Lumber Core (SLC), Add	*208.90*	
		For Structural Composite Lumber Core (SCLC), Add	*125.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*334.24*	
		For >50 To 100, Deduct	*-24.10*	
		For >100, Deduct	*-34.45*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	451.53	73.24
		For 7 Ply Cold Press Construction, Deduct	*-6.10*	
		For Stave Lumber Core (SLC), Add	*228.79*	
		For Structural Composite Lumber Core (SCLC), Add	*137.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*164.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*228.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*366.06*	
		For >50 To 100, Deduct	*-26.24*	
		For >100, Deduct	*-37.53*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	299.77	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.61*	
		For Stave Lumber Core (SLC), Add	*135.31*	
		For Structural Composite Lumber Core (SCLC), Add	*81.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.49*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.47*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	299.77	59.67
		For 7 Ply Cold Press Construction, Deduct	*-3.61*	
		For Stave Lumber Core (SLC), Add	*135.31*	
		For Structural Composite Lumber Core (SCLC), Add	*81.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.49*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-25.47*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	314.61	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.80*	
		For Stave Lumber Core (SLC), Add	*142.38*	
		For Structural Composite Lumber Core (SCLC), Add	*85.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.38*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*227.81*	
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-26.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	322.51	62.39
		For 7 Ply Cold Press Construction, Deduct	*-3.95*	
		For Stave Lumber Core (SLC), Add	*148.31*	
		For Structural Composite Lumber Core (SCLC), Add	*88.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*237.29*	
		For >50 To 100, Deduct	*-19.24*	
		For >100, Deduct	*-27.31*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.80	62.39
		For 7 Ply Cold Press Construction, Deduct	*-4.06*	
		For Stave Lumber Core (SLC), Add	*152.27*	
		For Structural Composite Lumber Core (SCLC), Add	*91.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.64*	
		For >50 To 100, Deduct	*-19.51*	
		For >100, Deduct	*-27.70*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	338.49	65.10
		For 7 Ply Cold Press Construction, Deduct	*-4.17*	
		For Stave Lumber Core (SLC), Add	*156.22*	
		For Structural Composite Lumber Core (SCLC), Add	*93.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*156.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.95*	
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-28.64*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	361.40	65.10
		For 7 Ply Cold Press Construction, Deduct	*-4.62*	
		For Stave Lumber Core (SLC), Add	*173.40*	
		For Structural Composite Lumber Core (SCLC), Add	*104.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.44*	
		For >50 To 100, Deduct	*-21.33*	
		For >100, Deduct	*-30.36*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	416.34	67.81
		For 7 Ply Cold Press Construction, Deduct	*-5.61*	
		For Stave Lumber Core (SLC), Add	*210.53*	
		For Structural Composite Lumber Core (SCLC), Add	*126.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*151.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*210.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*336.85*	
		For >50 To 100, Deduct	*-24.21*	
		For >100, Deduct	*-34.62*	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	430.38	67.81
		For 7 Ply Cold Press Construction, Deduct	*-5.90*	
		For Stave Lumber Core (SLC), Add	*221.06*	
		For Structural Composite Lumber Core (SCLC), Add	*132.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*159.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*221.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*353.70*	
		For >50 To 100, Deduct	*-24.91*	
		For >100, Deduct	*-35.67*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	469.29	73.24
		For 7 Ply Cold Press Construction, Deduct	*-6.46*	
		For Stave Lumber Core (SLC), Add	*242.11*	
		For Structural Composite Lumber Core (SCLC), Add	*145.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*387.37*	
		For >50 To 100, Deduct	*-27.13*	
		For >100, Deduct	*-38.86*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	358.82	59.67
		For 7 Ply Cold Press Construction, Deduct	*-4.79*	
		For Stave Lumber Core (SLC), Add	*179.60*	
		For Structural Composite Lumber Core (SCLC), Add	*107.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*129.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*179.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*287.35*	
		For >50 To 100, Deduct	*-20.93*	
		For >100, Deduct	*-29.90*	
		For 9' Door Height, Add	*50.29*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0463	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	358.82	59.67
	For 7 Ply Cold Press Construction, Deduct	*-4.79*	
	For Stave Lumber Core (SLC), Add	*179.60*	
	For Structural Composite Lumber Core (SCLC), Add	*107.76*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.74*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*129.31*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*179.60*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*287.35*	
	For >50 To 100, Deduct	*-20.93*	
	For >100, Deduct	*-29.90*	
	For 9' Door Height, Add	*50.29*	
08 14 16 00-0464	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	351.62	62.39
	For 7 Ply Cold Press Construction, Deduct	*-4.54*	
	For Stave Lumber Core (SLC), Add	*170.14*	
	For Structural Composite Lumber Core (SCLC), Add	*102.08*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.22*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*122.50*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*170.14*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*272.22*	
	For >50 To 100, Deduct	*-20.70*	
	For >100, Deduct	*-29.49*	
	For 9' Door Height, Add	*47.64*	
08 14 16 00-0465	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	361.07	62.39
	For 7 Ply Cold Press Construction, Deduct	*-4.73*	
	For Stave Lumber Core (SLC), Add	*177.23*	
	For Structural Composite Lumber Core (SCLC), Add	*106.34*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.36*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.60*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.23*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*283.56*	
	For >50 To 100, Deduct	*-21.17*	
	For >100, Deduct	*-30.20*	
	For 9' Door Height, Add	*49.62*	
08 14 16 00-0466	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.38	62.39
	For 7 Ply Cold Press Construction, Deduct	*-4.85*	
	For Stave Lumber Core (SLC), Add	*181.96*	
	For Structural Composite Lumber Core (SCLC), Add	*109.17*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.11*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.01*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.96*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*291.13*	
	For >50 To 100, Deduct	*-21.49*	
	For >100, Deduct	*-30.67*	
	For 9' Door Height, Add	*50.95*	
08 14 16 00-0467	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.10	65.10
	For 7 Ply Cold Press Construction, Deduct	*-4.98*	
	For Stave Lumber Core (SLC), Add	*186.68*	
	For Structural Composite Lumber Core (SCLC), Add	*112.01*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.87*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.41*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*186.68*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*298.68*	
	For >50 To 100, Deduct	*-22.21*	
	For >100, Deduct	*-31.69*	
	For 9' Door Height, Add	*52.27*	
08 14 16 00-0468	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	406.48	65.10
	For 7 Ply Cold Press Construction, Deduct	*-5.53*	
	For Stave Lumber Core (SLC), Add	*207.21*	
	For Structural Composite Lumber Core (SCLC), Add	*124.33*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.15*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*149.19*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*207.21*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*331.54*	
	For >50 To 100, Deduct	*-23.58*	
	For >100, Deduct	*-33.74*	
	For 9' Door Height, Add	*58.02*	
08 14 16 00-0469	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	471.07	67.81
	For 7 Ply Cold Press Construction, Deduct	*-6.71*	
	For Stave Lumber Core (SLC), Add	*251.58*	
	For Structural Composite Lumber Core (SCLC), Add	*150.95*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.25*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*181.14*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.58*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*402.53*	
	For >50 To 100, Deduct	*-26.94*	
	For >100, Deduct	*-38.72*	
	For 9' Door Height, Add	*70.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	487.84	67.81
		For 7 Ply Cold Press Construction, Deduct	*-7.04*	
		For Stave Lumber Core (SLC), Add	*264.16*	
		For Structural Composite Lumber Core (SCLC), Add	*158.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*422.65*	
		For >50 To 100, Deduct	*-27.78*	
		For >100, Deduct	*-39.98*	
		For 9' Door Height, Add	*73.96*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	532.24	73.24
		For 7 Ply Cold Press Construction, Deduct	*-7.72*	
		For Stave Lumber Core (SLC), Add	*289.32*	
		For Structural Composite Lumber Core (SCLC), Add	*173.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*462.91*	
		For >50 To 100, Deduct	*-30.27*	
		For >100, Deduct	*-43.58*	
		For 9' Door Height, Add	*81.01*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.09	59.67
		For 7 Ply Cold Press Construction, Deduct	*-7.25*	
		For Stave Lumber Core (SLC), Add	*272.05*	
		For Structural Composite Lumber Core (SCLC), Add	*163.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*272.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*435.28*	
		For >50 To 100, Deduct	*-27.09*	
		For >100, Deduct	*-39.14*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.09	59.67
		For 7 Ply Cold Press Construction, Deduct	*-7.25*	
		For Stave Lumber Core (SLC), Add	*272.05*	
		For Structural Composite Lumber Core (SCLC), Add	*163.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*272.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*435.28*	
		For >50 To 100, Deduct	*-27.09*	
		For >100, Deduct	*-39.14*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	487.50	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.25*	
		For Stave Lumber Core (SLC), Add	*272.05*	
		For Structural Composite Lumber Core (SCLC), Add	*163.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*272.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*435.28*	
		For >50 To 100, Deduct	*-27.49*	
		For >100, Deduct	*-39.68*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	491.23	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.85*	
		For Structural Composite Lumber Core (SCLC), Add	*164.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*274.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*439.75*	
		For >50 To 100, Deduct	*-27.68*	
		For >100, Deduct	*-39.96*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	492.91	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.36*	
		For Stave Lumber Core (SLC), Add	*276.11*	
		For Structural Composite Lumber Core (SCLC), Add	*165.66*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*198.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*276.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*441.77*	
		For >50 To 100, Deduct	*-27.76*	
		For >100, Deduct	*-40.09*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.03	65.10
		For 7 Ply Cold Press Construction, Deduct	*-7.40*	
		For Stave Lumber Core (SLC), Add	*277.37*	
		For Structural Composite Lumber Core (SCLC), Add	*166.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*199.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*277.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*443.80*	
		For >50 To 100, Deduct	*-28.26*	
		For >100, Deduct	*-40.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	540.65	65.10
		For 7 Ply Cold Press Construction, Deduct	*-8.21*	
		For Stave Lumber Core (SLC), Add	*307.84*	
		For Structural Composite Lumber Core (SCLC), Add	*184.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*221.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*307.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*492.54*	
		For >50 To 100, Deduct	*-30.29*	
		For >100, Deduct	*-43.80*	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	650.68	67.81
		For 7 Ply Cold Press Construction, Deduct	*-10.30*	
		For Stave Lumber Core (SLC), Add	*386.29*	
		For Structural Composite Lumber Core (SCLC), Add	*231.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*278.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*386.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*618.06*	
		For >50 To 100, Deduct	*-35.92*	
		For >100, Deduct	*-52.19*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	676.79	67.81
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*405.87*	
		For Structural Composite Lumber Core (SCLC), Add	*243.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*292.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*405.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*649.39*	
		For >50 To 100, Deduct	*-37.23*	
		For >100, Deduct	*-54.15*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	738.80	73.24
		For 7 Ply Cold Press Construction, Deduct	*-11.85*	
		For Stave Lumber Core (SLC), Add	*444.24*	
		For Structural Composite Lumber Core (SCLC), Add	*266.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*71.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*319.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*444.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*710.78*	
		For >50 To 100, Deduct	*-40.60*	
		For >100, Deduct	*-59.07*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	503.19	59.67
		For 7 Ply Cold Press Construction, Deduct	*-7.68*	
		For Stave Lumber Core (SLC), Add	*287.87*	
		For Structural Composite Lumber Core (SCLC), Add	*172.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*287.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*460.60*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-40.72*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	503.19	59.67
		For 7 Ply Cold Press Construction, Deduct	*-7.68*	
		For Stave Lumber Core (SLC), Add	*287.87*	
		For Structural Composite Lumber Core (SCLC), Add	*172.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*287.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*460.60*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-40.72*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	508.60	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.68*	
		For Stave Lumber Core (SLC), Add	*287.87*	
		For Structural Composite Lumber Core (SCLC), Add	*172.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*287.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*460.60*	
		For >50 To 100, Deduct	*-28.55*	
		For >100, Deduct	*-41.26*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	512.54	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.76*	
		For Stave Lumber Core (SLC), Add	*290.83*	
		For Structural Composite Lumber Core (SCLC), Add	*174.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*209.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*290.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*465.32*	
		For >50 To 100, Deduct	*-28.75*	
		For >100, Deduct	*-41.56*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	514.33	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.79*	
		For Stave Lumber Core (SLC), Add	*292.17*	
		For Structural Composite Lumber Core (SCLC), Add	*175.30*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*210.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*292.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*467.47*	
		For >50 To 100, Deduct	*-28.84*	
		For >100, Deduct	*-41.69*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	521.56	65.10
		For 7 Ply Cold Press Construction, Deduct	*-7.83*	
		For Stave Lumber Core (SLC), Add	*293.52*	
		For Structural Composite Lumber Core (SCLC), Add	*176.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*293.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*469.63*	
		For >50 To 100, Deduct	*-29.33*	
		For >100, Deduct	*-42.37*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.54	65.10
		For 7 Ply Cold Press Construction, Deduct	*-8.69*	
		For Stave Lumber Core (SLC), Add	*325.76*	
		For Structural Composite Lumber Core (SCLC), Add	*195.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*521.21*	
		For >50 To 100, Deduct	*-31.48*	
		For >100, Deduct	*-45.60*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	680.66	67.81
		For 7 Ply Cold Press Construction, Deduct	*-10.90*	
		For Stave Lumber Core (SLC), Add	*408.77*	
		For Structural Composite Lumber Core (SCLC), Add	*245.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*65.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*294.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*408.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*654.04*	
		For >50 To 100, Deduct	*-37.42*	
		For >100, Deduct	*-54.44*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	708.28	67.81
		For 7 Ply Cold Press Construction, Deduct	*-11.45*	
		For Stave Lumber Core (SLC), Add	*429.49*	
		For Structural Composite Lumber Core (SCLC), Add	*257.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*429.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*687.18*	
		For >50 To 100, Deduct	*-38.80*	
		For >100, Deduct	*-56.51*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	773.26	73.24
		For 7 Ply Cold Press Construction, Deduct	*-12.54*	
		For Stave Lumber Core (SLC), Add	*470.09*	
		For Structural Composite Lumber Core (SCLC), Add	*282.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*75.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*338.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*470.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*752.14*	
		For >50 To 100, Deduct	*-42.33*	
		For >100, Deduct	*-61.66*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	578.02	59.67
		For 7 Ply Cold Press Construction, Deduct	*-9.17*	
		For Stave Lumber Core (SLC), Add	*344.00*	
		For Structural Composite Lumber Core (SCLC), Add	*206.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*344.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*550.39*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-46.34*	
		For 9' Door Height, Add	*96.32*	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	578.02	59.67
		For 7 Ply Cold Press Construction, Deduct	*-9.17*	
		For Stave Lumber Core (SLC), Add	*344.00*	
		For Structural Composite Lumber Core (SCLC), Add	*206.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*344.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*550.39*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-46.34*	
		For 9' Door Height, Add	*96.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	583.43	62.39
		For 7 Ply Cold Press Construction, Deduct	*-9.17*	
		For Stave Lumber Core (SLC), Add	*344.00*	
		For Structural Composite Lumber Core (SCLC), Add	*206.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*344.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*550.39*	
		For >50 To 100, Deduct	*-32.29*	
		For >100, Deduct	*-46.88*	
		For 9' Door Height, Add	*96.32*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	588.16	62.39
		For 7 Ply Cold Press Construction, Deduct	*-9.27*	
		For Stave Lumber Core (SLC), Add	*347.54*	
		For Structural Composite Lumber Core (SCLC), Add	*208.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*250.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*347.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*556.07*	
		For >50 To 100, Deduct	*-32.53*	
		For >100, Deduct	*-47.23*	
		For 9' Door Height, Add	*97.31*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	590.31	62.39
		For 7 Ply Cold Press Construction, Deduct	*-9.31*	
		For Stave Lumber Core (SLC), Add	*349.16*	
		For Structural Composite Lumber Core (SCLC), Add	*209.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*251.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*349.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*558.65*	
		For >50 To 100, Deduct	*-32.63*	
		For >100, Deduct	*-47.39*	
		For 9' Door Height, Add	*97.76*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	597.86	65.10
		For 7 Ply Cold Press Construction, Deduct	*-9.35*	
		For Stave Lumber Core (SLC), Add	*350.75*	
		For Structural Composite Lumber Core (SCLC), Add	*210.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*252.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*350.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*561.19*	
		For >50 To 100, Deduct	*-33.15*	
		For >100, Deduct	*-48.09*	
		For 9' Door Height, Add	*98.21*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	649.22	65.10
		For 7 Ply Cold Press Construction, Deduct	*-10.38*	
		For Stave Lumber Core (SLC), Add	*389.27*	
		For Structural Composite Lumber Core (SCLC), Add	*233.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*280.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*389.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*622.82*	
		For >50 To 100, Deduct	*-35.72*	
		For >100, Deduct	*-51.95*	
		For 9' Door Height, Add	*108.99*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	786.95	67.81
		For 7 Ply Cold Press Construction, Deduct	*-13.03*	
		For Stave Lumber Core (SLC), Add	*488.49*	
		For Structural Composite Lumber Core (SCLC), Add	*293.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*351.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*488.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*781.58*	
		For >50 To 100, Deduct	*-42.74*	
		For >100, Deduct	*-62.41*	
		For 9' Door Height, Add	*136.78*	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	819.94	67.81
		For 7 Ply Cold Press Construction, Deduct	*-13.69*	
		For Stave Lumber Core (SLC), Add	*513.23*	
		For Structural Composite Lumber Core (SCLC), Add	*307.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*82.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*369.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*513.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*821.17*	
		For >50 To 100, Deduct	*-44.39*	
		For >100, Deduct	*-64.89*	
		For 9' Door Height, Add	*143.71*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	895.48	73.24
		For 7 Ply Cold Press Construction, Deduct	*-14.98*	
		For Stave Lumber Core (SLC), Add	*561.75*	
		For Structural Composite Lumber Core (SCLC), Add	*337.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*89.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*404.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*561.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*898.80*	
		For >50 To 100, Deduct	*-48.44*	
		For >100, Deduct	*-70.82*	
		For 9' Door Height, Add	*157.29*	

08 14 16 00-0503 Mahogany Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	534.11	59.67
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	534.11	59.67
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	539.52	62.39
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	543.78	62.39
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	545.71	62.39
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	553.08	65.10
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	599.50	65.10
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	724.54	67.81
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	754.42	67.81
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	812.88	67.81
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	558.25	59.67
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	558.25	59.67
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	563.66	62.39
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	568.17	62.39
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	570.22	62.39
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	577.69	65.10
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	626.84	65.10
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	758.83	67.81
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	790.53	67.81
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	852.28	67.81
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	643.79	59.67
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	643.79	59.67
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	649.20	62.39
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	654.61	62.39
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	657.08	62.39
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	664.92	65.10
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	723.66	65.10
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	880.37	67.81
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	918.09	67.81
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	992.06	67.81

08 14 16 00-0534 Maple Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	426.28	59.67
		For 7 Ply Cold Press Construction, Deduct	*-6.14*	
		For Stave Lumber Core (SLC), Add	*230.19*	
		For Structural Composite Lumber Core (SCLC), Add	*138.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*165.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*230.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*368.30*	
		For >50 To 100, Deduct	*-24.30*	
		For >100, Deduct	*-34.96*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	426.28	59.67
		For 7 Ply Cold Press Construction, Deduct	*-6.14*	
		For Stave Lumber Core (SLC), Add	*230.19*	
		For Structural Composite Lumber Core (SCLC), Add	*138.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*165.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*230.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*368.30*	
		For >50 To 100, Deduct	*-24.30*	
		For >100, Deduct	*-34.96*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	431.69	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.14*	
		For Stave Lumber Core (SLC), Add	*230.19*	
		For Structural Composite Lumber Core (SCLC), Add	*138.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*165.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*230.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*368.30*	
		For >50 To 100, Deduct	*-24.70*	
		For >100, Deduct	*-35.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	434.85	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.20*	
		For Stave Lumber Core (SLC), Add	*232.56*	
		For Structural Composite Lumber Core (SCLC), Add	*139.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*232.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*372.10*	
		For >50 To 100, Deduct	*-24.86*	
		For >100, Deduct	*-35.73*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	436.26	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.62*	
		For Structural Composite Lumber Core (SCLC), Add	*140.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*168.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*233.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*373.79*	
		For >50 To 100, Deduct	*-24.93*	
		For >100, Deduct	*-35.84*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	443.13	65.10
		For 7 Ply Cold Press Construction, Deduct	*-6.26*	
		For Stave Lumber Core (SLC), Add	*234.70*	
		For Structural Composite Lumber Core (SCLC), Add	*140.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*168.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*234.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*375.52*	
		For >50 To 100, Deduct	*-25.41*	
		For >100, Deduct	*-36.49*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.51	65.10
		For 7 Ply Cold Press Construction, Deduct	*-6.95*	
		For Stave Lumber Core (SLC), Add	*260.48*	
		For Structural Composite Lumber Core (SCLC), Add	*156.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*187.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*260.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*416.77*	
		For >50 To 100, Deduct	*-27.13*	
		For >100, Deduct	*-39.07*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	549.65	67.81
		For 7 Ply Cold Press Construction, Deduct	*-8.28*	
		For Stave Lumber Core (SLC), Add	*310.52*	
		For Structural Composite Lumber Core (SCLC), Add	*186.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*223.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*310.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*496.82*	
		For >50 To 100, Deduct	*-30.87*	
		For >100, Deduct	*-44.61*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	593.22	67.81
		For 7 Ply Cold Press Construction, Deduct	*-9.15*	
		For Stave Lumber Core (SLC), Add	*343.19*	
		For Structural Composite Lumber Core (SCLC), Add	*205.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*343.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*549.11*	
		For >50 To 100, Deduct	*-33.05*	
		For >100, Deduct	*-47.88*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	636.84	67.81
		For 7 Ply Cold Press Construction, Deduct	*-10.02*	
		For Stave Lumber Core (SLC), Add	*375.91*	
		For Structural Composite Lumber Core (SCLC), Add	*225.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*270.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*375.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*601.45*	
		For >50 To 100, Deduct	*-35.23*	
		For >100, Deduct	*-51.15*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	444.14	59.67
		For 7 Ply Cold Press Construction, Deduct	*-6.50*	
		For Stave Lumber Core (SLC), Add	*243.59*	
		For Structural Composite Lumber Core (SCLC), Add	*146.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*243.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*389.74*	
		For >50 To 100, Deduct	*-25.19*	
		For >100, Deduct	*-36.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	444.14	59.67
		For 7 Ply Cold Press Construction, Deduct	*-6.50*	
		For Stave Lumber Core (SLC), Add	*243.59*	
		For Structural Composite Lumber Core (SCLC), Add	*146.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*243.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*389.74*	
		For >50 To 100, Deduct	*-25.19*	
		For >100, Deduct	*-36.29*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	449.55	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.50*	
		For Stave Lumber Core (SLC), Add	*243.59*	
		For Structural Composite Lumber Core (SCLC), Add	*146.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*243.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*389.74*	
		For >50 To 100, Deduct	*-25.60*	
		For >100, Deduct	*-36.84*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	452.88	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.56*	
		For Stave Lumber Core (SLC), Add	*246.08*	
		For Structural Composite Lumber Core (SCLC), Add	*147.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*246.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*393.73*	
		For >50 To 100, Deduct	*-25.76*	
		For >100, Deduct	*-37.09*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	454.40	62.39
		For 7 Ply Cold Press Construction, Deduct	*-6.59*	
		For Stave Lumber Core (SLC), Add	*247.22*	
		For Structural Composite Lumber Core (SCLC), Add	*148.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*395.56*	
		For >50 To 100, Deduct	*-25.84*	
		For >100, Deduct	*-37.20*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	461.35	65.10
		For 7 Ply Cold Press Construction, Deduct	*-6.62*	
		For Stave Lumber Core (SLC), Add	*248.36*	
		For Structural Composite Lumber Core (SCLC), Add	*149.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.38*	
		For >50 To 100, Deduct	*-26.32*	
		For >100, Deduct	*-37.86*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	497.72	65.10
		For 7 Ply Cold Press Construction, Deduct	*-7.35*	
		For Stave Lumber Core (SLC), Add	*275.64*	
		For Structural Composite Lumber Core (SCLC), Add	*165.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*198.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*275.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*441.02*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-40.58*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	573.75	67.81
		For 7 Ply Cold Press Construction, Deduct	*-8.76*	
		For Stave Lumber Core (SLC), Add	*328.59*	
		For Structural Composite Lumber Core (SCLC), Add	*197.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*525.74*	
		For >50 To 100, Deduct	*-32.08*	
		For >100, Deduct	*-46.42*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.87	67.81
		For 7 Ply Cold Press Construction, Deduct	*-9.68*	
		For Stave Lumber Core (SLC), Add	*363.18*	
		For Structural Composite Lumber Core (SCLC), Add	*217.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*261.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*363.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*581.09*	
		For >50 To 100, Deduct	*-34.38*	
		For >100, Deduct	*-49.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	666.02	67.81
		For 7 Ply Cold Press Construction, Deduct	*-10.61*	
		For Stave Lumber Core (SLC), Add	*397.79*	
		For Structural Composite Lumber Core (SCLC), Add	*238.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*63.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*286.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*397.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*636.47*	
		For >50 To 100, Deduct	*-36.69*	
		For >100, Deduct	*-53.34*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.46	59.67
		For 7 Ply Cold Press Construction, Deduct	*-7.76*	
		For Stave Lumber Core (SLC), Add	*291.08*	
		For Structural Composite Lumber Core (SCLC), Add	*174.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*209.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*291.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*465.72*	
		For >50 To 100, Deduct	*-28.36*	
		For >100, Deduct	*-41.04*	
		For 9' Door Height, Add	*81.50*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.46	59.67
		For 7 Ply Cold Press Construction, Deduct	*-7.76*	
		For Stave Lumber Core (SLC), Add	*291.08*	
		For Structural Composite Lumber Core (SCLC), Add	*174.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*209.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*291.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*465.72*	
		For >50 To 100, Deduct	*-28.36*	
		For >100, Deduct	*-41.04*	
		For 9' Door Height, Add	*81.50*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	512.87	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.76*	
		For Stave Lumber Core (SLC), Add	*291.08*	
		For Structural Composite Lumber Core (SCLC), Add	*174.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*209.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*291.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*465.72*	
		For >50 To 100, Deduct	*-28.76*	
		For >100, Deduct	*-41.58*	
		For 9' Door Height, Add	*81.50*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	516.87	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.84*	
		For Stave Lumber Core (SLC), Add	*294.08*	
		For Structural Composite Lumber Core (SCLC), Add	*176.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.52*	
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-41.88*	
		For 9' Door Height, Add	*82.34*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	518.68	62.39
		For 7 Ply Cold Press Construction, Deduct	*-7.88*	
		For Stave Lumber Core (SLC), Add	*295.43*	
		For Structural Composite Lumber Core (SCLC), Add	*177.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*472.69*	
		For >50 To 100, Deduct	*-29.05*	
		For >100, Deduct	*-42.02*	
		For 9' Door Height, Add	*82.72*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	525.91	65.10
		For 7 Ply Cold Press Construction, Deduct	*-7.91*	
		For Stave Lumber Core (SLC), Add	*296.78*	
		For Structural Composite Lumber Core (SCLC), Add	*178.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*474.85*	
		For >50 To 100, Deduct	*-29.55*	
		For >100, Deduct	*-42.70*	
		For 9' Door Height, Add	*83.10*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	569.38	65.10
		For 7 Ply Cold Press Construction, Deduct	*-8.78*	
		For Stave Lumber Core (SLC), Add	*329.39*	
		For Structural Composite Lumber Core (SCLC), Add	*197.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*237.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*329.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*527.02*	
		For >50 To 100, Deduct	*-31.72*	
		For >100, Deduct	*-45.96*	
		For 9' Door Height, Add	*92.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	659.17	67.81
		For 7 Ply Cold Press Construction, Deduct	*-10.47*	
		For Stave Lumber Core (SLC), Add	*392.66*	
		For Structural Composite Lumber Core (SCLC), Add	*235.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*392.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*628.25*	
		For >50 To 100, Deduct	*-36.35*	
		For >100, Deduct	*-52.83*	
		For 9' Door Height, Add	*109.94*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	714.29	67.81
		For 7 Ply Cold Press Construction, Deduct	*-11.57*	
		For Stave Lumber Core (SLC), Add	*434.00*	
		For Structural Composite Lumber Core (SCLC), Add	*260.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*312.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*434.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*694.39*	
		For >50 To 100, Deduct	*-39.11*	
		For >100, Deduct	*-56.96*	
		For 9' Door Height, Add	*121.52*	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	769.43	67.81
		For 7 Ply Cold Press Construction, Deduct	*-12.68*	
		For Stave Lumber Core (SLC), Add	*475.35*	
		For Structural Composite Lumber Core (SCLC), Add	*285.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*342.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*475.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*760.56*	
		For >50 To 100, Deduct	*-41.86*	
		For >100, Deduct	*-61.10*	
		For 9' Door Height, Add	*133.10*	

08 14 16 00-0565 Cherry Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	607.29	59.67
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	607.29	59.67
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	612.70	62.39
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	617.72	62.39
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	620.01	62.39
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	627.70	65.10
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	682.32	65.10
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	828.46	67.81
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	863.60	67.81
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	932.42	67.81
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	635.70	59.67
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	635.70	59.67
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	641.11	62.39
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	646.41	62.39
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	648.81	62.39
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	656.64	65.10
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	714.49	65.10
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	868.80	67.81
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	906.09	67.81
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	978.77	67.81
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	736.36	59.67
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	736.36	59.67
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	741.77	62.39
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	748.14	62.39
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	751.01	62.39
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	759.31	65.10
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	828.41	65.10
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,011.76	67.81
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,056.15	67.81
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,143.20	67.81

08 14 16 00-0596 Walnut Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	675.89	59.67
		For 7 Ply Cold Press Construction, Deduct	*-11.13*	
		For Stave Lumber Core (SLC), Add	*417.40*	
		For Structural Composite Lumber Core (SCLC), Add	*250.44*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*300.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*417.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*667.84*	
		For >50 To 100, Deduct	*-36.78*	
		For >100, Deduct	*-53.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	675.89	59.67
		For 7 Ply Cold Press Construction, Deduct	*-11.13*	
		For Stave Lumber Core (SLC), Add	*417.40*	
		For Structural Composite Lumber Core (SCLC), Add	*250.44*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*300.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*417.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*667.84*	
		For >50 To 100, Deduct	*-36.78*	
		For >100, Deduct	*-53.68*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	681.48	62.39
		For 7 Ply Cold Press Construction, Deduct	*-11.13*	
		For Stave Lumber Core (SLC), Add	*417.53*	
		For Structural Composite Lumber Core (SCLC), Add	*250.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*300.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*417.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*668.05*	
		For >50 To 100, Deduct	*-37.19*	
		For >100, Deduct	*-54.23*	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	687.21	62.39
		For 7 Ply Cold Press Construction, Deduct	*-11.25*	
		For Stave Lumber Core (SLC), Add	*421.83*	
		For Structural Composite Lumber Core (SCLC), Add	*253.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*303.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*421.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*674.93*	
		For >50 To 100, Deduct	*-37.48*	
		For >100, Deduct	*-54.66*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	702.22	62.39
		For 7 Ply Cold Press Construction, Deduct	*-11.55*	
		For Stave Lumber Core (SLC), Add	*433.09*	
		For Structural Composite Lumber Core (SCLC), Add	*259.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*311.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*433.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*692.94*	
		For >50 To 100, Deduct	*-38.23*	
		For >100, Deduct	*-55.79*	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	722.62	65.10
		For 7 Ply Cold Press Construction, Deduct	*-11.85*	
		For Stave Lumber Core (SLC), Add	*444.32*	
		For Structural Composite Lumber Core (SCLC), Add	*266.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*71.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*319.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*444.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*710.90*	
		For >50 To 100, Deduct	*-39.39*	
		For >100, Deduct	*-57.45*	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	761.53	65.10
		For 7 Ply Cold Press Construction, Deduct	*-12.63*	
		For Stave Lumber Core (SLC), Add	*473.50*	
		For Structural Composite Lumber Core (SCLC), Add	*284.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*75.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*340.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*473.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*757.60*	
		For >50 To 100, Deduct	*-41.33*	
		For >100, Deduct	*-60.37*	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	931.17	67.81
		For 7 Ply Cold Press Construction, Deduct	*-15.91*	
		For Stave Lumber Core (SLC), Add	*596.66*	
		For Structural Composite Lumber Core (SCLC), Add	*357.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*95.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*429.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*596.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*954.65*	
		For >50 To 100, Deduct	*-49.95*	
		For >100, Deduct	*-73.23*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	970.93	67.81
		For 7 Ply Cold Press Construction, Deduct	*-16.71*	
		For Stave Lumber Core (SLC), Add	*626.48*	
		For Structural Composite Lumber Core (SCLC), Add	*375.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*100.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*451.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*626.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,002.36*	
		For >50 To 100, Deduct	*-51.94*	
		For >100, Deduct	*-76.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,050.52	67.81
		For 7 Ply Cold Press Construction, Deduct	*-18.30*	
		For Stave Lumber Core (SLC), Add	*686.17*	
		For Structural Composite Lumber Core (SCLC), Add	*411.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*109.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*494.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*686.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,097.87*	
		For >50 To 100, Deduct	*-55.92*	
		For >100, Deduct	*-82.18*	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	708.27	59.67
		For 7 Ply Cold Press Construction, Deduct	*-11.78*	
		For Stave Lumber Core (SLC), Add	*441.68*	
		For Structural Composite Lumber Core (SCLC), Add	*265.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*318.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*441.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*706.69*	
		For >50 To 100, Deduct	*-38.40*	
		For >100, Deduct	*-56.10*	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	708.27	59.67
		For 7 Ply Cold Press Construction, Deduct	*-11.78*	
		For Stave Lumber Core (SLC), Add	*441.68*	
		For Structural Composite Lumber Core (SCLC), Add	*265.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*318.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*441.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*706.69*	
		For >50 To 100, Deduct	*-38.40*	
		For >100, Deduct	*-56.10*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	713.86	62.39
		For 7 Ply Cold Press Construction, Deduct	*-11.78*	
		For Stave Lumber Core (SLC), Add	*441.82*	
		For Structural Composite Lumber Core (SCLC), Add	*265.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*318.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*441.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*706.91*	
		For >50 To 100, Deduct	*-38.81*	
		For >100, Deduct	*-56.66*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	719.95	62.39
		For 7 Ply Cold Press Construction, Deduct	*-11.90*	
		For Stave Lumber Core (SLC), Add	*446.39*	
		For Structural Composite Lumber Core (SCLC), Add	*267.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*71.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*321.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*446.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*714.22*	
		For >50 To 100, Deduct	*-39.12*	
		For >100, Deduct	*-57.12*	
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	735.82	62.39
		For 7 Ply Cold Press Construction, Deduct	*-12.22*	
		For Stave Lumber Core (SLC), Add	*458.29*	
		For Structural Composite Lumber Core (SCLC), Add	*274.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*73.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*329.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*458.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*733.26*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-58.31*	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	757.08	65.10
		For 7 Ply Cold Press Construction, Deduct	*-12.54*	
		For Stave Lumber Core (SLC), Add	*470.16*	
		For Structural Composite Lumber Core (SCLC), Add	*282.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*75.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*338.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*470.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*752.26*	
		For >50 To 100, Deduct	*-41.11*	
		For >100, Deduct	*-60.04*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	798.28	65.10
		For 7 Ply Cold Press Construction, Deduct	*-13.36*	
		For Stave Lumber Core (SLC), Add	*501.06*	
		For Structural Composite Lumber Core (SCLC), Add	*300.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*80.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*360.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*501.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*801.70*	
		For >50 To 100, Deduct	*-43.17*	
		For >100, Deduct	*-63.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	977.45	67.81
		For 7 Ply Cold Press Construction, Deduct	*-16.84*	
		For Stave Lumber Core (SLC), Add	*631.37*	
		For Structural Composite Lumber Core (SCLC), Add	*378.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*101.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*454.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*631.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,010.18*	
		For >50 To 100, Deduct	*-52.26*	
		For >100, Deduct	*-76.70*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,019.54	67.81
		For 7 Ply Cold Press Construction, Deduct	*-17.68*	
		For Stave Lumber Core (SLC), Add	*662.93*	
		For Structural Composite Lumber Core (SCLC), Add	*397.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*106.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*477.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*662.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,060.69*	
		For >50 To 100, Deduct	*-54.37*	
		For >100, Deduct	*-79.86*	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,103.76	67.81
		For 7 Ply Cold Press Construction, Deduct	*-19.36*	
		For Stave Lumber Core (SLC), Add	*726.10*	
		For Structural Composite Lumber Core (SCLC), Add	*435.66*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*116.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*522.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*726.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,161.76*	
		For >50 To 100, Deduct	*-58.58*	
		For >100, Deduct	*-86.17*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	823.12	59.67
		For 7 Ply Cold Press Construction, Deduct	*-14.08*	
		For Stave Lumber Core (SLC), Add	*527.82*	
		For Structural Composite Lumber Core (SCLC), Add	*316.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*380.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*527.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*844.51*	
		For >50 To 100, Deduct	*-44.14*	
		For >100, Deduct	*-64.72*	
		For 9' Door Height, Add	*147.79*	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	823.12	59.67
		For 7 Ply Cold Press Construction, Deduct	*-14.08*	
		For Stave Lumber Core (SLC), Add	*527.82*	
		For Structural Composite Lumber Core (SCLC), Add	*316.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*380.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*527.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*844.51*	
		For >50 To 100, Deduct	*-44.14*	
		For >100, Deduct	*-64.72*	
		For 9' Door Height, Add	*147.79*	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	828.74	62.39
		For 7 Ply Cold Press Construction, Deduct	*-14.08*	
		For Stave Lumber Core (SLC), Add	*527.98*	
		For Structural Composite Lumber Core (SCLC), Add	*316.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*380.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*527.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*844.76*	
		For >50 To 100, Deduct	*-44.56*	
		For >100, Deduct	*-65.27*	
		For 9' Door Height, Add	*147.83*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	836.02	62.39
		For 7 Ply Cold Press Construction, Deduct	*-14.23*	
		For Stave Lumber Core (SLC), Add	*533.44*	
		For Structural Composite Lumber Core (SCLC), Add	*320.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*85.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*384.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*533.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*853.50*	
		For >50 To 100, Deduct	*-44.92*	
		For >100, Deduct	*-65.82*	
		For 9' Door Height, Add	*149.36*	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	854.97	62.39
		For 7 Ply Cold Press Construction, Deduct	*-14.60*	
		For Stave Lumber Core (SLC), Add	*547.65*	
		For Structural Composite Lumber Core (SCLC), Add	*328.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*87.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*394.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*547.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*876.24*	
		For >50 To 100, Deduct	*-45.87*	
		For >100, Deduct	*-67.24*	
		For 9' Door Height, Add	*153.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	879.35	65.10
		For 7 Ply Cold Press Construction, Deduct	*-14.98*	
		For Stave Lumber Core (SLC), Add	*561.86*	
		For Structural Composite Lumber Core (SCLC), Add	*337.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*89.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*404.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*561.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*898.98*	
		For >50 To 100, Deduct	*-47.22*	
		For >100, Deduct	*-69.21*	
		For 9' Door Height, Add	*157.32*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	928.56	65.10
		For 7 Ply Cold Press Construction, Deduct	*-15.97*	
		For Stave Lumber Core (SLC), Add	*598.77*	
		For Structural Composite Lumber Core (SCLC), Add	*359.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*95.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*431.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*598.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*958.03*	
		For >50 To 100, Deduct	*-49.68*	
		For >100, Deduct	*-72.90*	
		For 9' Door Height, Add	*167.66*	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,141.62	67.81
		For 7 Ply Cold Press Construction, Deduct	*-20.12*	
		For Stave Lumber Core (SLC), Add	*754.49*	
		For Structural Composite Lumber Core (SCLC), Add	*452.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*120.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*543.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*754.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,207.19*	
		For >50 To 100, Deduct	*-60.47*	
		For >100, Deduct	*-89.01*	
		For 9' Door Height, Add	*211.26*	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,191.91	67.81
		For 7 Ply Cold Press Construction, Deduct	*-21.13*	
		For Stave Lumber Core (SLC), Add	*792.21*	
		For Structural Composite Lumber Core (SCLC), Add	*475.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*126.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*570.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*792.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,267.54*	
		For >50 To 100, Deduct	*-62.99*	
		For >100, Deduct	*-92.78*	
		For 9' Door Height, Add	*221.82*	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,292.54	67.81
		For 7 Ply Cold Press Construction, Deduct	*-23.14*	
		For Stave Lumber Core (SLC), Add	*867.68*	
		For Structural Composite Lumber Core (SCLC), Add	*520.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*138.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*624.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*867.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,388.29*	
		For >50 To 100, Deduct	*-68.02*	
		For >100, Deduct	*-100.33*	
		For 9' Door Height, Add	*242.95*	

08 14 16 00-0627 Lauan Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0628	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	420.73	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.64*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-34.54*	
08 14 16 00-0629	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	420.73	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.64*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-34.54*	
08 14 16 00-0630	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	427.01	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*163.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*362.69*	
		For >50 To 100, Deduct	*-24.47*	
		For >100, Deduct	*-35.15*	
08 14 16 00-0631	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	435.69	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.90*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*233.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*373.10*	
		For >50 To 100, Deduct	*-24.90*	
		For >100, Deduct	*-35.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0632	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	438.83	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*169.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*235.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*376.87*	
		For >50 To 100, Deduct	*-25.06*	
		For >100, Deduct	*-36.03*	
08 14 16 00-0633	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	447.40	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*237.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*380.64*	
		For >50 To 100, Deduct	*-25.63*	
		For >100, Deduct	*-36.81*	
08 14 16 00-0634	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	476.07	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*259.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*415.04*	
		For >50 To 100, Deduct	*-27.06*	
		For >100, Deduct	*-38.96*	
08 14 16 00-0635	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	506.16	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*200.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*277.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*444.64*	
		For >50 To 100, Deduct	*-28.70*	
		For >100, Deduct	*-41.35*	
08 14 16 00-0636	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	524.69	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*210.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*291.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*466.87*	
		For >50 To 100, Deduct	*-29.63*	
		For >100, Deduct	*-42.74*	
08 14 16 00-0637	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	561.76	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*511.36*	
		For >50 To 100, Deduct	*-31.48*	
		For >100, Deduct	*-45.52*	
08 14 16 00-0638	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	438.25	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*172.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*239.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*382.67*	
		For >50 To 100, Deduct	*-24.90*	
		For >100, Deduct	*-35.85*	
08 14 16 00-0639	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	438.25	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*172.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*239.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*382.67*	
		For >50 To 100, Deduct	*-24.90*	
		For >100, Deduct	*-35.85*	
08 14 16 00-0640	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	444.59	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*172.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*239.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*383.78*	
		For >50 To 100, Deduct	*-25.35*	
		For >100, Deduct	*-36.46*	
08 14 16 00-0641	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	453.77	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*246.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*394.80*	
		For >50 To 100, Deduct	*-25.81*	
		For >100, Deduct	*-37.15*	
08 14 16 00-0642	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	457.12	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*179.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*249.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*398.82*	
		For >50 To 100, Deduct	*-25.98*	
		For >100, Deduct	*-37.40*	
08 14 16 00-0643	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	465.86	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*181.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*402.79*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-38.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0644	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	496.19	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*274.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*439.19*	
		For >50 To 100, Deduct	*-28.06*	
		For >100, Deduct	*-40.47*	
08 14 16 00-0645	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	527.73	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.52*	
		For >50 To 100, Deduct	*-29.78*	
		For >100, Deduct	*-42.97*	
08 14 16 00-0646	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	547.33	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.04*	
		For >50 To 100, Deduct	*-30.76*	
		For >100, Deduct	*-44.44*	
08 14 16 00-0647	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	586.57	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*243.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*338.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*541.13*	
		For >50 To 100, Deduct	*-32.72*	
		For >100, Deduct	*-47.38*	
08 14 16 00-0648	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	500.41	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*457.26*	
		For >50 To 100, Deduct	*-28.00*	
		For >100, Deduct	*-40.51*	
		For 9' Door Height, Add	*80.02*	
08 14 16 00-0649	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	500.41	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*457.26*	
		For >50 To 100, Deduct	*-28.00*	
		For >100, Deduct	*-40.51*	
		For 9' Door Height, Add	*80.02*	
08 14 16 00-0650	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	506.93	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*206.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*286.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*458.59*	
		For >50 To 100, Deduct	*-28.47*	
		For >100, Deduct	*-41.14*	
		For 9' Door Height, Add	*80.25*	
08 14 16 00-0651	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	517.94	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*471.80*	
		For >50 To 100, Deduct	*-29.02*	
		For >100, Deduct	*-41.96*	
		For 9' Door Height, Add	*82.57*	
08 14 16 00-0652	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	521.94	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*476.60*	
		For >50 To 100, Deduct	*-29.22*	
		For >100, Deduct	*-42.26*	
		For 9' Door Height, Add	*83.41*	
08 14 16 00-0653	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	531.33	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*216.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*300.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*481.36*	
		For >50 To 100, Deduct	*-29.82*	
		For >100, Deduct	*-43.10*	
		For 9' Door Height, Add	*84.24*	
08 14 16 00-0654	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	567.58	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*524.86*	
		For >50 To 100, Deduct	*-31.63*	
		For >100, Deduct	*-45.82*	
		For 9' Door Height, Add	*91.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0655	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	604.19	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*253.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*351.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*562.27*	
		For >50 To 100, Deduct	*-33.60*	
		For >100, Deduct	*-48.71*	
		For 9' Door Height, Add	*98.40*	
08 14 16 00-0656	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	627.60	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*265.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*368.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*590.36*	
		For >50 To 100, Deduct	*-34.77*	
		For >100, Deduct	*-50.46*	
		For 9' Door Height, Add	*103.31*	
08 14 16 00-0657	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	674.51	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*291.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*404.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*646.66*	
		For >50 To 100, Deduct	*-37.12*	
		For >100, Deduct	*-53.98*	
		For 9' Door Height, Add	*113.16*	

08 14 16 00-0658 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0659	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	347.72	59.67
		For Stave Lumber Core (SLC), Add	*171.27*	
		For Structural Composite Lumber Core (SCLC), Add	*102.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.40*	
		For >50 To 100, Deduct	*-20.37*	
		For >100, Deduct	*-29.06*	
08 14 16 00-0660	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	347.72	59.67
		For Stave Lumber Core (SLC), Add	*171.27*	
		For Structural Composite Lumber Core (SCLC), Add	*102.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.40*	
		For >50 To 100, Deduct	*-20.37*	
		For >100, Deduct	*-29.06*	
08 14 16 00-0661	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	366.36	62.39
		For Stave Lumber Core (SLC), Add	*181.19*	
		For Structural Composite Lumber Core (SCLC), Add	*108.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.99*	
		For >50 To 100, Deduct	*-21.44*	
		For >100, Deduct	*-30.60*	
08 14 16 00-0662	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	379.55	62.39
		For Stave Lumber Core (SLC), Add	*191.09*	
		For Structural Composite Lumber Core (SCLC), Add	*114.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.57*	
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-31.59*	
08 14 16 00-0663	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	382.01	62.39
		For Stave Lumber Core (SLC), Add	*192.93*	
		For Structural Composite Lumber Core (SCLC), Add	*115.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.87*	
		For >50 To 100, Deduct	*-22.22*	
		For >100, Deduct	*-31.77*	
08 14 16 00-0664	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	389.93	65.10
		For Stave Lumber Core (SLC), Add	*194.80*	
		For Structural Composite Lumber Core (SCLC), Add	*116.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.17*	
		For >50 To 100, Deduct	*-22.75*	
		For >100, Deduct	*-32.50*	
08 14 16 00-0665	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	418.56	65.10
		For Stave Lumber Core (SLC), Add	*216.27*	
		For Structural Composite Lumber Core (SCLC), Add	*129.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.60*	
		For >50 To 100, Deduct	*-24.18*	
		For >100, Deduct	*-34.65*	
08 14 16 00-0666	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	476.26	67.81
		For Stave Lumber Core (SLC), Add	*255.47*	
		For Structural Composite Lumber Core (SCLC), Add	*153.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.88*	
		For >50 To 100, Deduct	*-27.20*	
		For >100, Deduct	*-39.11*	
08 14 16 00-0667	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	493.31	67.81
		For Stave Lumber Core (SLC), Add	*268.26*	
		For Structural Composite Lumber Core (SCLC), Add	*160.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.92*	
		For >50 To 100, Deduct	*-28.06*	
		For >100, Deduct	*-40.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0668	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	527.34	67.81
		For Stave Lumber Core (SLC), Add	*293.78*	
		For Structural Composite Lumber Core (SCLC), Add	*176.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.01*	
		For >50 To 100, Deduct	*-29.76*	
		For >100, Deduct	*-42.94*	
08 14 16 00-0669	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	361.02	59.67
		For Stave Lumber Core (SLC), Add	*181.25*	
		For Structural Composite Lumber Core (SCLC), Add	*108.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.00*	
		For >50 To 100, Deduct	*-21.04*	
		For >100, Deduct	*-30.06*	
08 14 16 00-0670	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	361.02	59.67
		For Stave Lumber Core (SLC), Add	*181.25*	
		For Structural Composite Lumber Core (SCLC), Add	*108.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.00*	
		For >50 To 100, Deduct	*-21.04*	
		For >100, Deduct	*-30.06*	
08 14 16 00-0671	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	380.43	62.39
		For Stave Lumber Core (SLC), Add	*191.75*	
		For Structural Composite Lumber Core (SCLC), Add	*115.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.68*	
		For >50 To 100, Deduct	*-22.14*	
		For >100, Deduct	*-31.65*	
08 14 16 00-0672	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	394.39	62.39
		For Stave Lumber Core (SLC), Add	*202.22*	
		For Structural Composite Lumber Core (SCLC), Add	*121.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.35*	
		For >50 To 100, Deduct	*-22.84*	
		For >100, Deduct	*-32.70*	
08 14 16 00-0673	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	396.99	62.39
		For Stave Lumber Core (SLC), Add	*204.17*	
		For Structural Composite Lumber Core (SCLC), Add	*122.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.67*	
		For >50 To 100, Deduct	*-22.97*	
		For >100, Deduct	*-32.89*	
08 14 16 00-0674	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	405.05	65.10
		For Stave Lumber Core (SLC), Add	*206.14*	
		For Structural Composite Lumber Core (SCLC), Add	*123.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.98*	
		For >50 To 100, Deduct	*-23.51*	
		For >100, Deduct	*-33.63*	
08 14 16 00-0675	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	435.33	65.10
		For Stave Lumber Core (SLC), Add	*228.85*	
		For Structural Composite Lumber Core (SCLC), Add	*137.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.62*	
		For >50 To 100, Deduct	*-25.02*	
		For >100, Deduct	*-35.90*	
08 14 16 00-0676	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	496.08	67.81
		For Stave Lumber Core (SLC), Add	*270.34*	
		For Structural Composite Lumber Core (SCLC), Add	*162.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.25*	
		For >50 To 100, Deduct	*-28.19*	
		For >100, Deduct	*-40.60*	
08 14 16 00-0677	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	514.12	67.81
		For Stave Lumber Core (SLC), Add	*283.87*	
		For Structural Composite Lumber Core (SCLC), Add	*170.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.42*	
		For >50 To 100, Deduct	*-29.10*	
		For >100, Deduct	*-41.95*	
08 14 16 00-0678	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	550.15	67.81
		For Stave Lumber Core (SLC), Add	*310.89*	
		For Structural Composite Lumber Core (SCLC), Add	*186.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.74*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-44.65*	
08 14 16 00-0679	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	408.14	59.67
		For Stave Lumber Core (SLC), Add	*216.59*	
		For Structural Composite Lumber Core (SCLC), Add	*129.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.65*	
		For >50 To 100, Deduct	*-23.39*	
		For >100, Deduct	*-33.59*	
		For 9' Door Height, Add	*60.64*	
08 14 16 00-0680	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	408.14	59.67
		For Stave Lumber Core (SLC), Add	*216.59*	
		For Structural Composite Lumber Core (SCLC), Add	*129.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.65*	
		For >50 To 100, Deduct	*-23.39*	
		For >100, Deduct	*-33.59*	
		For 9' Door Height, Add	*60.64*	
08 14 16 00-0681	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	430.28	62.39
		For Stave Lumber Core (SLC), Add	*229.13*	
		For Structural Composite Lumber Core (SCLC), Add	*137.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.66*	
		For >50 To 100, Deduct	*-24.63*	
		For >100, Deduct	*-35.39*	
		For 9' Door Height, Add	*64.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0682	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	446.98	62.39
		For Stave Lumber Core (SLC), Add	*241.66*	
		For Structural Composite Lumber Core (SCLC), Add	*144.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.67*	
		For >50 To 100, Deduct	*-25.47*	
		For >100, Deduct	*-36.64*	
		For 9' Door Height, Add	*67.66*	
08 14 16 00-0683	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	450.07	62.39
		For Stave Lumber Core (SLC), Add	*243.98*	
		For Structural Composite Lumber Core (SCLC), Add	*146.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.04*	
		For >50 To 100, Deduct	*-25.62*	
		For >100, Deduct	*-36.87*	
		For 9' Door Height, Add	*68.31*	
08 14 16 00-0684	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	458.66	65.10
		For Stave Lumber Core (SLC), Add	*246.35*	
		For Structural Composite Lumber Core (SCLC), Add	*147.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.42*	
		For >50 To 100, Deduct	*-26.19*	
		For >100, Deduct	*-37.65*	
		For 9' Door Height, Add	*68.98*	
08 14 16 00-0685	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	494.83	65.10
		For Stave Lumber Core (SLC), Add	*273.47*	
		For Structural Composite Lumber Core (SCLC), Add	*164.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.76*	
		For >50 To 100, Deduct	*-28.00*	
		For >100, Deduct	*-40.37*	
		For 9' Door Height, Add	*76.57*	
08 14 16 00-0686	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	566.36	67.81
		For Stave Lumber Core (SLC), Add	*323.05*	
		For Structural Composite Lumber Core (SCLC), Add	*193.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.69*	
		For >50 To 100, Deduct	*-31.71*	
		For >100, Deduct	*-45.87*	
		For 9' Door Height, Add	*90.45*	
08 14 16 00-0687	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	587.93	67.81
		For Stave Lumber Core (SLC), Add	*339.23*	
		For Structural Composite Lumber Core (SCLC), Add	*203.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.28*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-47.49*	
		For 9' Door Height, Add	*94.98*	
08 14 16 00-0688	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	630.98	67.81
		For Stave Lumber Core (SLC), Add	*371.51*	
		For Structural Composite Lumber Core (SCLC), Add	*222.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.44*	
		For >50 To 100, Deduct	*-34.94*	
		For >100, Deduct	*-50.71*	
		For 9' Door Height, Add	*104.02*	

08 14 16 00-0689 2-1/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

08 14 16 00-0690 Birch Faced Wood Doors *(08 14 16 00-0689)*

08 14 16 00-0691	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	338.56	59.67
08 14 16 00-0692	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	338.56	59.67
08 14 16 00-0693	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	355.44	62.39
08 14 16 00-0694	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	365.03	62.39
08 14 16 00-0695	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	371.47	62.39
08 14 16 00-0696	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	383.27	65.10
08 14 16 00-0697	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.11	65.10
08 14 16 00-0698	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	476.68	67.81
08 14 16 00-0699	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	493.75	67.81
08 14 16 00-0700	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	538.68	73.24
08 14 16 00-0701	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	351.31	59.67
08 14 16 00-0702	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	351.31	59.67
08 14 16 00-0703	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	368.85	62.39
08 14 16 00-0704	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.03	62.39
08 14 16 00-0705	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	385.82	62.39
08 14 16 00-0706	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	398.00	65.10
08 14 16 00-0707	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	427.45	65.10
08 14 16 00-0708	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	496.53	67.81
08 14 16 00-0709	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	514.59	67.81
08 14 16 00-0710	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	561.51	73.24
08 14 16 00-0711	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	397.71	59.67
08 14 16 00-0712	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	397.71	59.67
08 14 16 00-0713	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.67	62.39
08 14 16 00-0714	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	429.87	62.39
08 14 16 00-0715	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	438.03	62.39
08 14 16 00-0716	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	451.54	65.10
08 14 16 00-0717	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	486.91	65.10
08 14 16 00-0718	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	568.72	67.81
08 14 16 00-0719	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	590.39	67.81
08 14 16 00-0720	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	644.51	73.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0721		**Oak Faced Wood Doors** *(08 14 16 00-0689)*		
08 14 16 00-0722	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.69	59.67
08 14 16 00-0723	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.69	59.67
08 14 16 00-0724	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	591.10	62.39
08 14 16 00-0725	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	595.94	62.39
08 14 16 00-0726	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	598.09	62.39
08 14 16 00-0727	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	605.67	65.10
08 14 16 00-0728	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	657.93	65.10
08 14 16 00-0729	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	797.84	67.81
08 14 16 00-0730	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	831.40	67.81
08 14 16 00-0731	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	908.02	73.24
08 14 16 00-0732	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	612.84	59.67
08 14 16 00-0733	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	612.84	59.67
08 14 16 00-0734	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	618.25	62.39
08 14 16 00-0735	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	623.34	62.39
08 14 16 00-0736	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	625.63	62.39
08 14 16 00-0737	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	633.36	65.10
08 14 16 00-0738	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	688.63	65.10
08 14 16 00-0739	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	836.38	67.81
08 14 16 00-0740	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	871.88	67.81
08 14 16 00-0741	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	952.33	73.24
08 14 16 00-0742	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	711.53	59.67
08 14 16 00-0743	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	711.53	59.67
08 14 16 00-0744	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	716.94	62.39
08 14 16 00-0745	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	723.07	62.39
08 14 16 00-0746	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	725.79	62.39
08 14 16 00-0747	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	733.98	65.10
08 14 16 00-0748	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	800.32	65.10
08 14 16 00-0749	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	976.52	67.81
08 14 16 00-0750	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,019.14	67.81
08 14 16 00-0751	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,113.49	73.24
08 14 16 00-0752		**Maple Faced Wood Doors** *(08 14 16 00-0689)*		
08 14 16 00-0753	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	513.96	59.67
08 14 16 00-0754	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	513.96	59.67
08 14 16 00-0755	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	519.37	62.39
08 14 16 00-0756	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	523.46	62.39
08 14 16 00-0757	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	525.28	62.39
08 14 16 00-0758	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	532.53	65.10
08 14 16 00-0759	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	576.73	65.10
08 14 16 00-0760	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	667.94	67.81
08 14 16 00-0761	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	723.99	67.81
08 14 16 00-0762	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	780.04	67.81
08 14 16 00-0763	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	536.92	59.67
08 14 16 00-0764	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	536.92	59.67
08 14 16 00-0765	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	542.33	62.39
08 14 16 00-0766	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	546.65	62.39
08 14 16 00-0767	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	548.57	62.39
08 14 16 00-0768	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	555.94	65.10
08 14 16 00-0769	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	602.72	65.10
08 14 16 00-0770	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	698.93	67.81
08 14 16 00-0771	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	758.74	67.81
08 14 16 00-0772	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	817.52	67.81
08 14 16 00-0773	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	620.42	59.67
08 14 16 00-0774	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	620.42	59.67
08 14 16 00-0775	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	625.83	62.39
08 14 16 00-0776	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	631.01	62.39
08 14 16 00-0777	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	633.33	62.39
08 14 16 00-0778	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	641.09	65.10
08 14 16 00-0779	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	697.21	65.10
08 14 16 00-0780	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	811.56	67.81
08 14 16 00-0781	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	882.77	67.81
08 14 16 00-0782	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	953.90	67.81
08 14 16 00-0783		**Manufacturer Prefinished Options For Flush Wood Doors** *(08 14 16)*		
08 14 16 00-0784	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	74.13	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*24.69*	
08 14 16 00-0785	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	111.20	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*24.69*	
08 14 16 00-0786		**Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors** *(08 14 16)*		
08 14 16 00-0787	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,208.48	47.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0788	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,208.48	148.98
08 14 16 00-0789	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,208.48	47.74

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	626.18	133.46
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	670.49	146.48
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	721.84	161.67
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	753.56	167.09
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	808.03	183.91
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	872.30	189.88

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	290.71	59.67
		For Structural Composite Lumber Core (SCLC), Add	*77.11*	
		For 5 Ply Construction, Add	*6.00*	
		For >50 To 100, Deduct	*-17.52*	
		For >100, Deduct	*-24.79*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	290.71	59.67
		For Structural Composite Lumber Core (SCLC), Add	*77.11*	
		For 5 Ply Construction, Add	*6.00*	
		For >50 To 100, Deduct	*-17.52*	
		For >100, Deduct	*-24.79*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	305.55	62.39
		For Structural Composite Lumber Core (SCLC), Add	*81.35*	
		For 5 Ply Construction, Add	*6.33*	
		For >50 To 100, Deduct	*-18.40*	
		For >100, Deduct	*-26.04*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	314.97	62.39
		For Structural Composite Lumber Core (SCLC), Add	*85.59*	
		For 5 Ply Construction, Add	*6.66*	
		For >50 To 100, Deduct	*-18.87*	
		For >100, Deduct	*-26.74*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	319.73	62.39
		For Structural Composite Lumber Core (SCLC), Add	*87.73*	
		For 5 Ply Construction, Add	*6.82*	
		For >50 To 100, Deduct	*-19.11*	
		For >100, Deduct	*-27.10*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	329.89	65.10
		For Structural Composite Lumber Core (SCLC), Add	*89.86*	
		For 5 Ply Construction, Add	*6.99*	
		For >50 To 100, Deduct	*-19.75*	
		For >100, Deduct	*-28.00*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	351.85	65.10
		For Structural Composite Lumber Core (SCLC), Add	*99.74*	
		For 5 Ply Construction, Add	*7.76*	
		For >50 To 100, Deduct	*-20.85*	
		For >100, Deduct	*-29.64*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	371.46	67.81
		For Structural Composite Lumber Core (SCLC), Add	*106.12*	
		For 5 Ply Construction, Add	*8.25*	
		For >50 To 100, Deduct	*-21.96*	
		For >100, Deduct	*-31.25*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	300.68	59.67
		For Structural Composite Lumber Core (SCLC), Add	*81.59*	
		For 5 Ply Construction, Add	*6.35*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-25.54*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	300.68	59.67
		For Structural Composite Lumber Core (SCLC), Add	*81.59*	
		For 5 Ply Construction, Add	*6.35*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-25.54*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	316.07	62.39
		For Structural Composite Lumber Core (SCLC), Add	*86.09*	
		For 5 Ply Construction, Add	*6.70*	
		For >50 To 100, Deduct	*-18.92*	
		For >100, Deduct	*-26.82*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	326.04	62.39
		For Structural Composite Lumber Core (SCLC), Add	*90.57*	
		For 5 Ply Construction, Add	*7.04*	
		For >50 To 100, Deduct	*-19.42*	
		For >100, Deduct	*-27.57*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	331.07	62.39
		For Structural Composite Lumber Core (SCLC), Add	*92.84*	
		For 5 Ply Construction, Add	*7.22*	
		For >50 To 100, Deduct	*-19.67*	
		For >100, Deduct	*-27.95*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	341.51	65.10
		For Structural Composite Lumber Core (SCLC), Add	*95.09*	
		For 5 Ply Construction, Add	*7.40*	
		For >50 To 100, Deduct	*-20.33*	
		For >100, Deduct	*-28.87*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	364.74	65.10
		For Structural Composite Lumber Core (SCLC), Add	*105.54*	
		For 5 Ply Construction, Add	*8.21*	
		For >50 To 100, Deduct	*-21.49*	
		For >100, Deduct	*-30.61*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	385.18	67.81
		For Structural Composite Lumber Core (SCLC), Add	*112.30*	
		For 5 Ply Construction, Add	*8.73*	
		For >50 To 100, Deduct	*-22.65*	
		For >100, Deduct	*-32.28*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	336.04	59.67
		For Structural Composite Lumber Core (SCLC), Add	*97.51*	
		For 5 Ply Construction, Add	*7.58*	
		For >50 To 100, Deduct	*-19.79*	
		For >100, Deduct	*-28.19*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	336.04	59.67
		For Structural Composite Lumber Core (SCLC), Add	*97.51*	
		For 5 Ply Construction, Add	*7.58*	
		For >50 To 100, Deduct	*-19.79*	
		For >100, Deduct	*-28.19*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	353.38	62.39
		For Structural Composite Lumber Core (SCLC), Add	*102.87*	
		For 5 Ply Construction, Add	*8.00*	
		For >50 To 100, Deduct	*-20.79*	
		For >100, Deduct	*-29.62*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	365.29	62.39
		For Structural Composite Lumber Core (SCLC), Add	*108.23*	
		For 5 Ply Construction, Add	*8.42*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.52*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	371.30	62.39
		For Structural Composite Lumber Core (SCLC), Add	*110.94*	
		For 5 Ply Construction, Add	*8.63*	
		For >50 To 100, Deduct	*-21.68*	
		For >100, Deduct	*-30.97*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	382.72	65.10
		For Structural Composite Lumber Core (SCLC), Add	*113.63*	
		For 5 Ply Construction, Add	*8.84*	
		For >50 To 100, Deduct	*-22.39*	
		For >100, Deduct	*-31.96*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	410.48	65.10
		For Structural Composite Lumber Core (SCLC), Add	*126.13*	
		For 5 Ply Construction, Add	*9.81*	
		For >50 To 100, Deduct	*-23.78*	
		For >100, Deduct	*-34.04*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	433.84	67.81
		For Structural Composite Lumber Core (SCLC), Add	*134.19*	
		For 5 Ply Construction, Add	*10.44*	
		For >50 To 100, Deduct	*-25.08*	
		For >100, Deduct	*-35.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0026		1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*		
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	411.29	59.67
		For 5 Ply Construction, Add	*10.22*	
		For Stave Lumber Core (SLC), Add	*218.95*	
		For Structural Composite Lumber Core (SCLC), Add	*131.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*157.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*218.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*350.32*	
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-33.83*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	411.28	59.67
		For 5 Ply Construction, Add	*10.22*	
		For Stave Lumber Core (SLC), Add	*218.94*	
		For Structural Composite Lumber Core (SCLC), Add	*131.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*157.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*218.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*350.30*	
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-33.83*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	425.82	62.39
		For 5 Ply Construction, Add	*10.54*	
		For Stave Lumber Core (SLC), Add	*225.79*	
		For Structural Composite Lumber Core (SCLC), Add	*135.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*225.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.26*	
		For >50 To 100, Deduct	*-24.41*	
		For >100, Deduct	*-35.06*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	425.82	62.39
		For 5 Ply Construction, Add	*10.54*	
		For Stave Lumber Core (SLC), Add	*225.79*	
		For Structural Composite Lumber Core (SCLC), Add	*135.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*225.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.26*	
		For >50 To 100, Deduct	*-24.41*	
		For >100, Deduct	*-35.06*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	443.90	62.39
		For 5 Ply Construction, Add	*11.17*	
		For Stave Lumber Core (SLC), Add	*239.35*	
		For Structural Composite Lumber Core (SCLC), Add	*143.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*172.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*239.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*382.96*	
		For >50 To 100, Deduct	*-25.31*	
		For >100, Deduct	*-36.41*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	467.41	65.10
		For 5 Ply Construction, Add	*11.80*	
		For Stave Lumber Core (SLC), Add	*252.91*	
		For Structural Composite Lumber Core (SCLC), Add	*151.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*252.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*404.65*	
		For >50 To 100, Deduct	*-26.63*	
		For >100, Deduct	*-38.31*	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	485.89	65.10
		For 5 Ply Construction, Add	*12.45*	
		For Stave Lumber Core (SLC), Add	*266.77*	
		For Structural Composite Lumber Core (SCLC), Add	*160.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*266.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*426.83*	
		For >50 To 100, Deduct	*-27.55*	
		For >100, Deduct	*-39.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	500.55	67.81
		For 5 Ply Construction, Add	*12.77*	
		For Stave Lumber Core (SLC), Add	*273.69*	
		For Structural Composite Lumber Core (SCLC), Add	*164.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.90*	
		For >50 To 100, Deduct	*-28.42*	
		For >100, Deduct	*-40.93*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	518.79	67.81
		For 5 Ply Construction, Add	*13.41*	
		For Stave Lumber Core (SLC), Add	*287.37*	
		For Structural Composite Lumber Core (SCLC), Add	*172.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*206.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*287.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*459.79*	
		For >50 To 100, Deduct	*-29.33*	
		For >100, Deduct	*-42.30*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.13	73.24
		For 5 Ply Construction, Add	*14.69*	
		For Stave Lumber Core (SLC), Add	*314.74*	
		For Structural Composite Lumber Core (SCLC), Add	*188.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*503.58*	
		For >50 To 100, Deduct	*-31.97*	
		For >100, Deduct	*-46.12*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	428.28	59.67
		For 5 Ply Construction, Add	*10.81*	
		For Stave Lumber Core (SLC), Add	*231.69*	
		For Structural Composite Lumber Core (SCLC), Add	*139.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*166.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*370.70*	
		For >50 To 100, Deduct	*-24.40*	
		For >100, Deduct	*-35.11*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	428.27	59.67
		For 5 Ply Construction, Add	*10.81*	
		For Stave Lumber Core (SLC), Add	*231.68*	
		For Structural Composite Lumber Core (SCLC), Add	*139.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*166.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*370.69*	
		For >50 To 100, Deduct	*-24.40*	
		For >100, Deduct	*-35.10*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	443.35	62.39
		For 5 Ply Construction, Add	*11.15*	
		For Stave Lumber Core (SLC), Add	*238.94*	
		For Structural Composite Lumber Core (SCLC), Add	*143.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*172.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*382.30*	
		For >50 To 100, Deduct	*-25.29*	
		For >100, Deduct	*-36.37*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	443.35	62.39
		For 5 Ply Construction, Add	*11.15*	
		For Stave Lumber Core (SLC), Add	*238.94*	
		For Structural Composite Lumber Core (SCLC), Add	*143.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*172.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*382.30*	
		For >50 To 100, Deduct	*-25.29*	
		For >100, Deduct	*-36.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	462.48	62.39
		For 5 Ply Construction, Add	*11.82*	
		For Stave Lumber Core (SLC), Add	*253.28*	
		For Structural Composite Lumber Core (SCLC), Add	*151.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.28*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.25*	
		For >50 To 100, Deduct	*-26.24*	
		For >100, Deduct	*-37.81*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	487.04	65.10
		For 5 Ply Construction, Add	*12.49*	
		For Stave Lumber Core (SLC), Add	*267.63*	
		For Structural Composite Lumber Core (SCLC), Add	*160.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*267.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*428.21*	
		For >50 To 100, Deduct	*-27.61*	
		For >100, Deduct	*-39.78*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	506.58	65.10
		For 5 Ply Construction, Add	*13.17*	
		For Stave Lumber Core (SLC), Add	*282.29*	
		For Structural Composite Lumber Core (SCLC), Add	*169.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*203.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*282.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*451.66*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-41.25*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	521.78	67.81
		For 5 Ply Construction, Add	*13.52*	
		For Stave Lumber Core (SLC), Add	*289.61*	
		For Structural Composite Lumber Core (SCLC), Add	*173.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*463.38*	
		For >50 To 100, Deduct	*-29.48*	
		For >100, Deduct	*-42.52*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	541.09	67.81
		For 5 Ply Construction, Add	*14.19*	
		For Stave Lumber Core (SLC), Add	*304.10*	
		For Structural Composite Lumber Core (SCLC), Add	*182.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*218.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*486.55*	
		For >50 To 100, Deduct	*-30.45*	
		For >100, Deduct	*-43.97*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	590.55	73.24
		For 5 Ply Construction, Add	*15.54*	
		For Stave Lumber Core (SLC), Add	*333.05*	
		For Structural Composite Lumber Core (SCLC), Add	*199.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*239.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*333.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*532.88*	
		For >50 To 100, Deduct	*-33.19*	
		For >100, Deduct	*-47.95*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	488.53	59.67
		For 5 Ply Construction, Add	*12.92*	
		For Stave Lumber Core (SLC), Add	*276.88*	
		For Structural Composite Lumber Core (SCLC), Add	*166.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*199.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*276.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*443.00*	
		For >50 To 100, Deduct	*-27.41*	
		For >100, Deduct	*-39.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	488.51	59.67
		For 5 Ply Construction, Add	*12.92*	
		For Stave Lumber Core (SLC), Add	*276.86*	
		For Structural Composite Lumber Core (SCLC), Add	*166.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*199.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*276.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*442.98*	
		For >50 To 100, Deduct	*-27.41*	
		For >100, Deduct	*-39.62*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	505.47	62.39
		For 5 Ply Construction, Add	*13.32*	
		For Stave Lumber Core (SLC), Add	*285.53*	
		For Structural Composite Lumber Core (SCLC), Add	*171.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*456.84*	
		For >50 To 100, Deduct	*-28.39*	
		For >100, Deduct	*-41.03*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	505.47	62.39
		For 5 Ply Construction, Add	*13.32*	
		For Stave Lumber Core (SLC), Add	*285.53*	
		For Structural Composite Lumber Core (SCLC), Add	*171.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*456.84*	
		For >50 To 100, Deduct	*-28.39*	
		For >100, Deduct	*-41.03*	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	528.33	62.39
		For 5 Ply Construction, Add	*14.12*	
		For Stave Lumber Core (SLC), Add	*302.67*	
		For Structural Composite Lumber Core (SCLC), Add	*181.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*302.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*484.27*	
		For >50 To 100, Deduct	*-29.54*	
		For >100, Deduct	*-42.74*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	556.63	65.10
		For 5 Ply Construction, Add	*14.93*	
		For Stave Lumber Core (SLC), Add	*319.82*	
		For Structural Composite Lumber Core (SCLC), Add	*191.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*511.72*	
		For >50 To 100, Deduct	*-31.09*	
		For >100, Deduct	*-45.00*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	579.98	65.10
		For 5 Ply Construction, Add	*15.74*	
		For Stave Lumber Core (SLC), Add	*337.34*	
		For Structural Composite Lumber Core (SCLC), Add	*202.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*242.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*337.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*539.74*	
		For >50 To 100, Deduct	*-32.25*	
		For >100, Deduct	*-46.75*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	597.08	67.81
		For 5 Ply Construction, Add	*16.15*	
		For Stave Lumber Core (SLC), Add	*346.09*	
		For Structural Composite Lumber Core (SCLC), Add	*207.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*249.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*346.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*553.74*	
		For >50 To 100, Deduct	*-33.24*	
		For >100, Deduct	*-48.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0055		EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	620.14	67.81
			For 5 Ply Construction, Add	*16.96*	
			For Stave Lumber Core (SLC), Add	*363.38*	
			For Structural Composite Lumber Core (SCLC), Add	*218.03*	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.14*	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*261.64*	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*363.38*	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*581.41*	
			For >50 To 100, Deduct	*-34.40*	
			For >100, Deduct	*-49.90*	
08 14 23 16-0056		EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	677.15	73.24
			For 5 Ply Construction, Add	*18.57*	
			For Stave Lumber Core (SLC), Add	*398.00*	
			For Structural Composite Lumber Core (SCLC), Add	*238.80*	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*63.68*	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*286.56*	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*398.00*	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*636.80*	
			For >50 To 100, Deduct	*-37.52*	
			For >100, Deduct	*-54.45*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0002		EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	211.47	59.67
			For >50 To 100, Deduct	*-13.56*	
			For >100, Deduct	*-18.84*	
08 14 23 19-0003		EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	211.47	59.67
			For >50 To 100, Deduct	*-13.56*	
			For >100, Deduct	*-18.84*	
08 14 23 19-0004		EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	223.59	62.39
			For >50 To 100, Deduct	*-14.30*	
			For >100, Deduct	*-19.89*	
08 14 23 19-0005		EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	226.79	62.39
			For >50 To 100, Deduct	*-14.46*	
			For >100, Deduct	*-20.13*	
08 14 23 19-0006		EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	229.97	62.39
			For >50 To 100, Deduct	*-14.62*	
			For >100, Deduct	*-20.37*	
08 14 23 19-0007		EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	238.60	65.10
			For >50 To 100, Deduct	*-15.19*	
			For >100, Deduct	*-21.15*	
08 14 23 19-0008		EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.50	65.10
			For >50 To 100, Deduct	*-15.78*	
			For >100, Deduct	*-22.04*	
08 14 23 19-0009		EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.64	67.81
			For >50 To 100, Deduct	*-16.57*	
			For >100, Deduct	*-23.16*	
08 14 23 19-0010		EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.82	59.67
			For >50 To 100, Deduct	*-13.83*	
			For >100, Deduct	*-19.25*	
08 14 23 19-0011		EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.82	59.67
			For >50 To 100, Deduct	*-13.83*	
			For >100, Deduct	*-19.25*	
08 14 23 19-0012		EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	229.35	62.39
			For >50 To 100, Deduct	*-14.59*	
			For >100, Deduct	*-20.32*	
08 14 23 19-0013		EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	232.72	62.39
			For >50 To 100, Deduct	*-14.76*	
			For >100, Deduct	*-20.57*	
08 14 23 19-0014		EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	236.09	62.39
			For >50 To 100, Deduct	*-14.92*	
			For >100, Deduct	*-20.83*	
08 14 23 19-0015		EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	244.89	65.10
			For >50 To 100, Deduct	*-15.50*	
			For >100, Deduct	*-21.62*	
08 14 23 19-0016		EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.49	65.10
			For >50 To 100, Deduct	*-16.13*	
			For >100, Deduct	*-22.57*	
08 14 23 19-0017		EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	271.07	67.81
			For >50 To 100, Deduct	*-16.94*	
			For >100, Deduct	*-23.72*	
08 14 23 19-0018		EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	235.84	59.67
			For >50 To 100, Deduct	*-14.78*	
			For >100, Deduct	*-20.67*	
08 14 23 19-0019		EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	235.84	59.67
			For >50 To 100, Deduct	*-14.78*	
			For >100, Deduct	*-20.67*	
08 14 23 19-0020		EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	249.75	62.39
			For >50 To 100, Deduct	*-15.61*	
			For >100, Deduct	*-21.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	253.77	62.39
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-22.15*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.81	62.39
		For >50 To 100, Deduct	*-16.01*	
		For >100, Deduct	*-22.46*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.26	65.10
		For >50 To 100, Deduct	*-16.62*	
		For >100, Deduct	*-23.30*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	282.31	65.10
		For >50 To 100, Deduct	*-17.37*	
		For >100, Deduct	*-24.43*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	297.48	67.81
		For >50 To 100, Deduct	*-18.26*	
		For >100, Deduct	*-25.70*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	234.13	59.67
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-20.54*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	234.13	59.67
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-20.54*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	242.71	62.39
		For >50 To 100, Deduct	*-15.25*	
		For >100, Deduct	*-21.32*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	249.11	62.39
		For >50 To 100, Deduct	*-15.57*	
		For >100, Deduct	*-21.80*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.31	62.39
		For >50 To 100, Deduct	*-15.73*	
		For >100, Deduct	*-22.04*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	260.88	65.10
		For >50 To 100, Deduct	*-16.30*	
		For >100, Deduct	*-22.82*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.17	65.10
		For >50 To 100, Deduct	*-16.66*	
		For >100, Deduct	*-23.37*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	297.31	67.81
		For >50 To 100, Deduct	*-18.26*	
		For >100, Deduct	*-25.69*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.39	67.81
		For >50 To 100, Deduct	*-18.66*	
		For >100, Deduct	*-26.30*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.58	67.81
		For >50 To 100, Deduct	*-19.47*	
		For >100, Deduct	*-27.51*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	240.80	59.67
		For >50 To 100, Deduct	*-15.02*	
		For >100, Deduct	*-21.04*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	240.80	59.67
		For >50 To 100, Deduct	*-15.02*	
		For >100, Deduct	*-21.04*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	249.58	62.39
		For >50 To 100, Deduct	*-15.60*	
		For >100, Deduct	*-21.84*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	256.35	62.39
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-22.35*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	259.72	62.39
		For >50 To 100, Deduct	*-16.11*	
		For >100, Deduct	*-22.60*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.50	65.10
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-23.39*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.21	65.10
		For >50 To 100, Deduct	*-17.07*	
		For >100, Deduct	*-23.97*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	306.73	67.81
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-26.40*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.28	67.81
		For >50 To 100, Deduct	*-19.15*	
		For >100, Deduct	*-27.04*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.39	67.81
		For >50 To 100, Deduct	*-20.01*	
		For >100, Deduct	*-28.32*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.47	59.67
		For >50 To 100, Deduct	*-16.21*	
		For >100, Deduct	*-22.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.47	59.67
		For >50 To 100, Deduct	*-16.21*	
		For >100, Deduct	*-22.82*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.92	62.39
		For >50 To 100, Deduct	*-16.82*	
		For >100, Deduct	*-23.66*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	282.01	62.39
		For >50 To 100, Deduct	*-17.22*	
		For >100, Deduct	*-24.27*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	286.02	62.39
		For >50 To 100, Deduct	*-17.42*	
		For >100, Deduct	*-24.57*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.47	65.10
		For >50 To 100, Deduct	*-18.03*	
		For >100, Deduct	*-25.42*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.67	65.10
		For >50 To 100, Deduct	*-18.49*	
		For >100, Deduct	*-26.11*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.10	67.81
		For >50 To 100, Deduct	*-20.40*	
		For >100, Deduct	*-28.90*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.31	67.81
		For >50 To 100, Deduct	*-20.91*	
		For >100, Deduct	*-29.66*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	370.77	67.81
		For >50 To 100, Deduct	*-21.93*	
		For >100, Deduct	*-31.20*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.20	59.67
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-21.75*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.20	59.67
		For >50 To 100, Deduct	*-15.49*	
		For >100, Deduct	*-21.75*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.21	62.39
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-22.86*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.79	62.39
		For >50 To 100, Deduct	*-16.66*	
		For >100, Deduct	*-23.43*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.18	62.39
		For >50 To 100, Deduct	*-16.73*	
		For >100, Deduct	*-23.53*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	279.03	65.10
		For >50 To 100, Deduct	*-17.21*	
		For >100, Deduct	*-24.18*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.44	65.10
		For >50 To 100, Deduct	*-18.03*	
		For >100, Deduct	*-25.41*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.81	67.81
		For >50 To 100, Deduct	*-19.93*	
		For >100, Deduct	*-28.20*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.83	59.67
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.32*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.83	59.67
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.32*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	271.27	62.39
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-23.46*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	279.28	62.39
		For >50 To 100, Deduct	*-17.08*	
		For >100, Deduct	*-24.07*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	280.77	62.39
		For >50 To 100, Deduct	*-17.16*	
		For >100, Deduct	*-24.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	287.69	65.10
		For >50 To 100, Deduct	*-17.64*	
		For >100, Deduct	*-24.83*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.07	65.10
		For >50 To 100, Deduct	*-18.51*	
		For >100, Deduct	*-26.14*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	342.17	67.81
		For >50 To 100, Deduct	*-20.50*	
		For >100, Deduct	*-29.05*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.83	59.67
		For >50 To 100, Deduct	*-17.23*	
		For >100, Deduct	*-24.35*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.83	59.67
		For >50 To 100, Deduct	*-17.23*	
		For >100, Deduct	*-24.35*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.84	62.39
		For >50 To 100, Deduct	*-18.11*	
		For >100, Deduct	*-25.61*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.41	62.39
		For >50 To 100, Deduct	*-18.59*	
		For >100, Deduct	*-26.33*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	311.18	62.39
		For >50 To 100, Deduct	*-18.68*	
		For >100, Deduct	*-26.46*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	318.40	65.10
		For >50 To 100, Deduct	*-19.18*	
		For >100, Deduct	*-27.14*	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.17	65.10
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-28.69*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	382.46	67.81
		For >50 To 100, Deduct	*-22.51*	
		For >100, Deduct	*-32.08*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.77	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.29*	
		For >50 To 100, Deduct	*-17.17*	
		For >100, Deduct	*-24.27*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.77	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.29*	
		For >50 To 100, Deduct	*-17.17*	
		For >100, Deduct	*-24.27*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.70	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*208.72*	
		For >50 To 100, Deduct	*-18.05*	
		For >100, Deduct	*-25.52*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.20	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*220.12*	
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-26.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.97	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*222.24*	
		For >50 To 100, Deduct	*-18.62*	
		For >100, Deduct	*-26.37*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	317.19	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*100.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*224.39*	
		For >50 To 100, Deduct	*-19.11*	
		For >100, Deduct	*-27.04*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.80	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.12*	
		For >50 To 100, Deduct	*-20.15*	
		For >100, Deduct	*-28.59*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	380.87	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*294.29*	
		For >50 To 100, Deduct	*-22.43*	
		For >100, Deduct	*-31.96*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	393.15	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*309.02*	
		For >50 To 100, Deduct	*-23.05*	
		For >100, Deduct	*-32.88*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	417.65	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*152.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*211.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*338.42*	
		For >50 To 100, Deduct	*-24.27*	
		For >100, Deduct	*-34.71*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	293.34	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*208.78*	
		For >50 To 100, Deduct	*-17.65*	
		For >100, Deduct	*-24.98*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	293.34	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*208.78*	
		For >50 To 100, Deduct	*-17.65*	
		For >100, Deduct	*-24.98*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.83	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*220.87*	
		For >50 To 100, Deduct	*-18.56*	
		For >100, Deduct	*-26.28*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	318.89	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.94*	
		For >50 To 100, Deduct	*-19.06*	
		For >100, Deduct	*-27.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.75	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.18*	
		For >50 To 100, Deduct	*-19.16*	
		For >100, Deduct	*-27.18*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	328.08	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*237.46*	
		For >50 To 100, Deduct	*-19.66*	
		For >100, Deduct	*-27.86*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.88	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.62*	
		For >50 To 100, Deduct	*-20.75*	
		For >100, Deduct	*-29.50*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	395.14	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*311.41*	
		For >50 To 100, Deduct	*-23.15*	
		For >100, Deduct	*-33.03*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	408.12	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*147.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*204.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*326.99*	
		For >50 To 100, Deduct	*-23.80*	
		For >100, Deduct	*-34.00*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	434.07	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*223.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*358.13*	
		For >50 To 100, Deduct	*-25.09*	
		For >100, Deduct	*-35.95*	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.27	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.49*	
		For >50 To 100, Deduct	*-19.35*	
		For >100, Deduct	*-27.53*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.27	59.67
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.49*	
		For >50 To 100, Deduct	*-19.35*	
		For >100, Deduct	*-27.53*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	344.73	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.95*	
		For >50 To 100, Deduct	*-20.36*	
		For >100, Deduct	*-28.97*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	356.75	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*125.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*278.38*	
		For >50 To 100, Deduct	*-20.96*	
		For >100, Deduct	*-29.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	358.97	62.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*126.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*175.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*281.04*	
		For >50 To 100, Deduct	*-21.07*	
		For >100, Deduct	*-30.04*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	366.67	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*283.76*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-30.76*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	392.72	65.10
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*315.02*	
		For >50 To 100, Deduct	*-22.89*	
		For >100, Deduct	*-32.71*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	445.73	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*232.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*372.12*	
		For >50 To 100, Deduct	*-25.68*	
		For >100, Deduct	*-36.82*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	461.27	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.77*	
		For >50 To 100, Deduct	*-26.45*	
		For >100, Deduct	*-37.99*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	492.26	67.81
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*267.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*427.96*	
		For >50 To 100, Deduct	*-28.00*	
		For >100, Deduct	*-40.31*	

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	466.57	156.25
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	490.68	173.60
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	466.57	156.25
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	490.68	173.60

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	485.02	37.98
		For Oak, Add	*112.91*	
		For Ash/Hickory, Add	*164.45*	
		For Walnut, Add	*239.72*	
		For Cherry, Add	*389.85*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	500.36	40.69
		For Oak, Add	*115.64*	
		For Ash/Hickory, Add	*168.44*	
		For Walnut, Add	*245.53*	
		For Cherry, Add	*399.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	518.17	43.40
		For Oak, Add	*119.07*	
		For Ash/Hickory, Add	*173.42*	
		For Walnut, Add	*252.80*	
		For Cherry, Add	*411.12*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	531.04	46.12
		For Oak, Add	*121.12*	
		For Ash/Hickory, Add	*176.41*	
		For Walnut, Add	*257.16*	
		For Cherry, Add	*418.21*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	548.87	48.83
		For Oak, Add	*124.54*	
		For Ash/Hickory, Add	*181.39*	
		For Walnut, Add	*264.42*	
		For Cherry, Add	*430.02*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	564.21	51.54
		For Oak, Add	*127.28*	
		For Ash/Hickory, Add	*185.38*	
		For Walnut, Add	*270.23*	
		For Cherry, Add	*439.48*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	953.80	67.81
		For Oak, Add	*225.81*	
		For Ash/Hickory, Add	*328.90*	
		For Walnut, Add	*479.45*	
		For Cherry, Add	*779.72*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,009.27	73.24
		For Oak, Add	*238.13*	
		For Ash/Hickory, Add	*346.85*	
		For Walnut, Add	*505.60*	
		For Cherry, Add	*822.25*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,079.64	78.67
		For Oak, Add	*254.55*	
		For Ash/Hickory, Add	*370.76*	
		For Walnut, Add	*540.47*	
		For Cherry, Add	*878.95*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	571.80	37.98
		For Oak, Add	*116.03*	
		For Ash/Hickory, Add	*116.03*	
		For Walnut, Add	*190.91*	
		For Cherry, Add	*358.51*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	599.53	40.69
		For Oak, Add	*121.25*	
		For Ash/Hickory, Add	*121.25*	
		For Walnut, Add	*199.50*	
		For Cherry, Add	*374.64*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	619.82	43.40
		For Oak, Add	*124.73*	
		For Ash/Hickory, Add	*124.73*	
		For Walnut, Add	*205.22*	
		For Cherry, Add	*385.40*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	637.65	46.12
		For Oak, Add	*127.64*	
		For Ash/Hickory, Add	*127.64*	
		For Walnut, Add	*210.00*	
		For Cherry, Add	*394.36*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	653.00	48.83
		For Oak, Add	*129.95*	
		For Ash/Hickory, Add	*129.95*	
		For Walnut, Add	*213.81*	
		For Cherry, Add	*401.53*	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	673.30	51.54
		For Oak, Add	*133.44*	
		For Ash/Hickory, Add	*133.44*	
		For Walnut, Add	*219.54*	
		For Cherry, Add	*412.28*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,127.35	67.81
		For Oak, Add	*232.06*	
		For Ash/Hickory, Add	*232.06*	
		For Walnut, Add	*381.81*	
		For Cherry, Add	*717.01*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,212.57	73.24
		For Oak, Add	*249.47*	
		For Ash/Hickory, Add	*249.47*	
		For Walnut, Add	*410.45*	
		For Cherry, Add	*770.79*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,297.82	78.67
		For Oak, Add	*266.87*	
		For Ash/Hickory, Add	*266.87*	
		For Walnut, Add	*439.08*	
		For Cherry, Add	*824.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0024		1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*		
		See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0025		6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*		
08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	720.56	37.98
		For Oak, Add	*150.84*	
		For Ash/Hickory, Add	*150.84*	
		For Walnut, Add	*248.18*	
		For Cherry, Add	*466.06*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	755.73	40.69
		For Oak, Add	*157.80*	
		For Ash/Hickory, Add	*157.80*	
		For Walnut, Add	*259.63*	
		For Cherry, Add	*487.57*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	776.02	43.40
		For Oak, Add	*161.28*	
		For Ash/Hickory, Add	*161.28*	
		For Walnut, Add	*265.36*	
		For Cherry, Add	*498.33*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	798.80	46.12
		For Oak, Add	*165.34*	
		For Ash/Hickory, Add	*165.34*	
		For Walnut, Add	*272.04*	
		For Cherry, Add	*510.87*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	819.12	48.83
		For Oak, Add	*168.83*	
		For Ash/Hickory, Add	*168.83*	
		For Walnut, Add	*277.77*	
		For Cherry, Add	*521.63*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	839.41	51.54
		For Oak, Add	*172.31*	
		For Ash/Hickory, Add	*172.31*	
		For Walnut, Add	*283.49*	
		For Cherry, Add	*532.38*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,424.87	67.81
		For Oak, Add	*301.68*	
		For Ash/Hickory, Add	*301.68*	
		For Walnut, Add	*496.36*	
		For Cherry, Add	*932.12*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,524.96	73.24
		For Oak, Add	*322.57*	
		For Ash/Hickory, Add	*322.57*	
		For Walnut, Add	*530.72*	
		For Cherry, Add	*996.65*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,630.04	78.67
		For Oak, Add	*344.61*	
		For Ash/Hickory, Add	*344.61*	
		For Walnut, Add	*566.99*	
		For Cherry, Add	*1,064.76*	
08 14 73 00-0035		7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*		
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	770.14	37.98
		For Oak, Add	*162.44*	
		For Ash/Hickory, Add	*162.44*	
		For Walnut, Add	*267.27*	
		For Cherry, Add	*501.91*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	810.27	40.69
		For Oak, Add	*170.56*	
		For Ash/Hickory, Add	*170.56*	
		For Walnut, Add	*280.63*	
		For Cherry, Add	*527.00*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	833.04	43.40
		For Oak, Add	*174.63*	
		For Ash/Hickory, Add	*174.63*	
		For Walnut, Add	*287.31*	
		For Cherry, Add	*539.55*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	855.82	46.12
		For Oak, Add	*178.69*	
		For Ash/Hickory, Add	*178.69*	
		For Walnut, Add	*293.99*	
		For Cherry, Add	*552.10*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	876.14	48.83
		For Oak, Add	*182.17*	
		For Ash/Hickory, Add	*182.17*	
		For Walnut, Add	*299.72*	
		For Cherry, Add	*562.86*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	898.92	51.54
		For Oak, Add	*186.23*	
		For Ash/Hickory, Add	*186.23*	
		For Walnut, Add	*306.41*	
		For Cherry, Add	*575.41*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,524.04	67.81
		For Oak, Add	*324.89*	
		For Ash/Hickory, Add	*324.89*	
		For Walnut, Add	*534.54*	
		For Cherry, Add	*1,003.82*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,639.01	73.24
		For Oak, Add	*349.25*	
		For Ash/Hickory, Add	*349.25*	
		For Walnut, Add	*574.63*	
		For Cherry, Add	*1,079.11*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,749.05	78.67
		For Oak, Add	*372.46*	
		For Ash/Hickory, Add	*372.46*	
		For Walnut, Add	*612.81*	
		For Cherry, Add	*1,150.81*	
08 14 73 00-0045		8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*		
08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	819.73	37.98
		For Oak, Add	*174.05*	
		For Ash/Hickory, Add	*174.05*	
		For Walnut, Add	*286.36*	
		For Cherry, Add	*537.76*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	859.86	40.69
		For Oak, Add	*182.17*	
		For Ash/Hickory, Add	*182.17*	
		For Walnut, Add	*299.72*	
		For Cherry, Add	*562.86*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	885.10	43.40
		For Oak, Add	*186.81*	
		For Ash/Hickory, Add	*186.81*	
		For Walnut, Add	*307.36*	
		For Cherry, Add	*577.19*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	910.37	46.12
		For Oak, Add	*191.45*	
		For Ash/Hickory, Add	*191.45*	
		For Walnut, Add	*315.00*	
		For Cherry, Add	*591.54*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	930.68	48.83
		For Oak, Add	*194.93*	
		For Ash/Hickory, Add	*194.93*	
		For Walnut, Add	*320.72*	
		For Cherry, Add	*602.29*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	955.94	51.54
		For Oak, Add	*199.57*	
		For Ash/Hickory, Add	*199.57*	
		For Walnut, Add	*328.36*	
		For Cherry, Add	*616.63*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,623.21	67.81
		For Oak, Add	*348.09*	
		For Ash/Hickory, Add	*348.09*	
		For Walnut, Add	*572.72*	
		For Cherry, Add	*1,075.52*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,743.14	73.24
		For Oak, Add	*373.62*	
		For Ash/Hickory, Add	*373.62*	
		For Walnut, Add	*614.72*	
		For Cherry, Add	*1,154.39*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,863.10	78.67
		For Oak, Add	*399.15*	
		For Ash/Hickory, Add	*399.15*	
		For Walnut, Add	*656.72*	
		For Cherry, Add	*1,233.26*	
08 14 73 00-0055		Accessories *(08 14 73 00-0001)*		
08 14 73 00-0056		Jamb Replacement *(08 14 73 00-0055)*		
08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	127.65	
		For Oak, Add	*8.29*	
		For Ash/Hickory, Add	*12.99*	
		For Walnut, Add	*28.41*	
		For Cherry, Add	*44.99*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	130.01	
		For Oak, Add	*8.56*	
		For Ash/Hickory, Add	*13.41*	
		For Walnut, Add	*29.32*	
		For Cherry, Add	*46.44*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	145.40	
		For Oak, Add	*10.30*	
		For Ash/Hickory, Add	*16.13*	
		For Walnut, Add	*35.28*	
		For Cherry, Add	*55.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0060		Track And Hardware Replacement Kits *(08 14 73 00-0055)* Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	304.66	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	307.45	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	313.03	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	366.06	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	368.85	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	374.44	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	393.97	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	396.76	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	402.34	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	44.19	
08 14 73 00-0071		Bi-Pass Doors *(08 14 73)* Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072		Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	439.56	86.77
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	483.67	92.18
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	528.31	97.61
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	732.87	103.04
08 14 73 00-0077		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	408.74	86.77
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	435.62	92.18
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	475.43	97.61
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	671.24	103.04
08 14 73 00-0082		Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	440.42	86.77
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	481.52	92.18
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	524.75	97.61
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	734.61	103.04
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		Bi-Fold Wood Doors *(08 14 76)* Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
08 14 76 00-0002		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	205.58	65.07
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	216.42	70.50
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	232.30	75.92
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	243.14	81.34
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	318.29	86.77
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	329.14	92.18
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	350.65	97.61
08 14 76 00-0010		Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	217.88	65.07
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	232.76	70.50
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	251.36	75.92
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	262.20	81.34
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	344.64	86.77
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	370.22	92.18
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	397.33	97.61
08 14 76 00-0018		Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	218.45	65.07
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	240.65	70.50
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	258.63	75.92
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	269.47	81.34
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	351.00	86.77
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	364.41	92.18
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	397.33	97.61
08 14 76 00-0026		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	584.27	65.07
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	668.49	70.50
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	764.61	75.92
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	775.45	81.34
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,081.78	86.77
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,239.38	92.18
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,420.76	97.61
08 14 76 00-0034		Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	752.84	65.07
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	817.22	70.50
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	893.51	75.92
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	904.35	81.34
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,418.90	86.77
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,536.84	92.18
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,678.56	97.61
08 14 76 00-0042		Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	209.91	65.07
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	225.81	70.50
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	247.37	75.92
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	249.18	81.34
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	311.16	86.77
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	336.17	92.18
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	377.59	97.61

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors *(08 15)*

08 15 13 00-0001 High Pressure Laminated Plastic Doors *(08 15 13)*

Note: 0.125" acrylic/PVC thermoplastic face sheet over 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.

08 15 13 00-0002	EA	1'-6" x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	274.57	54.25
08 15 13 00-0003	EA	1'-6" x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	274.57	54.25
08 15 13 00-0004	EA	1'-6" x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	274.57	54.25
08 15 13 00-0005	EA	1'-6" x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	274.57	54.25
08 15 13 00-0006	EA	2' x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	285.43	59.67
08 15 13 00-0007	EA	2' x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	285.43	59.67
08 15 13 00-0008	EA	2' x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	285.43	59.67
08 15 13 00-0009	EA	2' x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	285.43	59.67
08 15 13 00-0010	EA	2'-6" x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	307.99	62.39
08 15 13 00-0011	EA	2'-6" x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	307.99	62.39
08 15 13 00-0012	EA	2'-6" x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	307.99	59.67
08 15 13 00-0013	EA	2'-6" x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	307.99	62.39
08 15 13 00-0014	EA	3' x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	330.56	65.10
08 15 13 00-0015	EA	3' x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	330.56	65.10
08 15 13 00-0016	EA	3' x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	330.56	65.10
08 15 13 00-0017	EA	3' x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	330.56	65.10
08 15 13 00-0018	EA	3'-6" x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	363.07	67.81
08 15 13 00-0019	EA	3'-6" x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	363.07	67.81
08 15 13 00-0020	EA	3'-6" x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	363.07	67.81
08 15 13 00-0021	EA	3'-6" x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	363.07	67.81
08 15 13 00-0022	EA	4' x 6'-8" x 1-3/8" Thick, Plastic High Pressure Laminate Door	409.12	73.24
08 15 13 00-0023	EA	4' x 6'-8" x 1-3/4" Thick, Plastic High Pressure Laminate Door	409.12	73.24
08 15 13 00-0024	EA	4' x 7' x 1-3/8" Thick, Plastic High Pressure Laminate Door	409.12	73.24
08 15 13 00-0025	EA	4' x 7' x 1-3/4" Thick, Plastic High Pressure Laminate Door	409.12	73.24

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0002		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*			
08 16 13 00-0003		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)* Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.			
08 16 13 00-0004		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0005		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*			
08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,218.89	65.10
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,436.46	67.81
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,767.33	73.24
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0009		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*			
08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,218.89	65.10
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,522.76	67.81
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,859.02	73.24
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0013		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0014		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*			
08 16 13 00-0015		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*			
08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,822.96	65.10
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,902.10	67.81
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		4,450.51	73.24
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0019		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*			
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		3,822.96	65.10
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		4,182.57	67.81
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)		4,554.78	73.24
		For Custom Color Finish, Add		*168.10*	
		For Stainless Steel Continuous Hinge, Add		*374.17*	
08 16 13 00-0023		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*			

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0024		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,822.96	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,902.10	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,450.51	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,822.96	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,182.57	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,554.78	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,822.96	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,902.10	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,450.51	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,822.96	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,182.57	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,554.78	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,404.07	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,404.07	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.46	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.47	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.62	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.59	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.18	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.32	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	12.58	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	16.18	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	34.16	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	37.75	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	73.71	
08 16 13 00-0058		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*		
08 16 13 00-0059		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*		
		Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*		
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,457.65	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,491.36	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,610.98	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0065		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*		
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,457.65	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,600.13	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,610.98	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0069		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0071		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,089.19	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,172.93	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,370.86	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0075		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,089.19	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,203.39	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,464.41	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,089.19	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,172.93	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,370.86	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,089.19	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,203.39	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,464.41	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,089.19	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,172.93	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,370.86	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,089.19	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,203.39	67.81
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,464.41	73.24
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,783.96	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,783.96	65.10
		For Custom Color Finish, Add	*168.10*	
		For Stainless Steel Continuous Hinge, Add	*374.17*	
08 16 13 00-0102		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*		
08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.03	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.06	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.12	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.60	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.63	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.01	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	8.70	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	10.88	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	34.81	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	124.00	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	47.86	
08 16 13 00-0114		Galvanized Insulated Poly Core Composite Doors *(08 16 13)*		
08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,340.53	65.10

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001		Pre-Hung Interior Door Units *(08 17 23)*		
		Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.		
08 17 23 00-0002		Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*		
08 17 23 00-0003		Birch Faced *(08 17 23 00-0002)*		
08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	367.20	67.81
		For 8' Door Height, Add	*55.58*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	381.42	67.81
		For 8' Door Height, Add	*58.99*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	401.09	70.53
		For 8' Door Height, Add	*62.41*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	410.75	73.24
		For 8' Door Height, Add	*63.42*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	436.56	73.24
		For 8' Door Height, Add	*69.62*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	460.56	75.95
		For 8' Door Height, Add	*74.08*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	685.56	111.22
		For 8' Door Height, Add	*111.15*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	730.32	119.36
		For 8' Door Height, Add	*117.99*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	783.52	127.49
		For 8' Door Height, Add	*126.85*	
08 17 23 00-0013		Lauan Faced *(08 17 23 00-0002)*		
08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	340.28	67.81
		For 8' Door Height, Add	*49.12*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	354.16	67.81
		For 8' Door Height, Add	*52.45*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	371.28	70.53
		For 8' Door Height, Add	*55.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	384.97	73.24
		For 8' Door Height, Add	*57.24*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	407.78	73.24
		For 8' Door Height, Add	*62.71*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	425.32	75.95
		For 8' Door Height, Add	*65.62*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	631.75	111.22
		For 8' Door Height, Add	*98.23*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	675.71	119.36
		For 8' Door Height, Add	*104.88*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	732.04	127.49
		For 8' Door Height, Add	*114.49*	

08 17 23 00-0023 Tempered Hardboard Faced *(08 17 23 00-0002)*

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	293.41	67.81
		For 8' Door Height, Add	*37.87*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	304.92	67.81
		For 8' Door Height, Add	*40.63*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	315.80	70.53
		For 8' Door Height, Add	*41.94*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	332.15	73.24
		For 8' Door Height, Add	*44.56*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	352.56	73.24
		For 8' Door Height, Add	*49.46*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	374.86	75.95
		For 8' Door Height, Add	*53.51*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	543.30	111.22
		For 8' Door Height, Add	*77.01*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	577.27	119.36
		For 8' Door Height, Add	*81.26*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	626.31	127.49
		For 8' Door Height, Add	*89.12*	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0034 Birch Faced *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	483.02	67.81
		For 8' Door Height, Add	*83.37*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	501.29	67.81
		For 8' Door Height, Add	*87.76*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	524.94	70.53
		For 8' Door Height, Add	*92.13*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	552.61	73.24
		For 8' Door Height, Add	*97.47*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	597.20	73.24
		For 8' Door Height, Add	*108.17*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	642.03	75.95
		For 8' Door Height, Add	*117.63*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	917.21	111.22
		For 8' Door Height, Add	*166.74*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	970.02	119.36
		For 8' Door Height, Add	*175.52*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,067.23	127.49
		For 8' Door Height, Add	*194.94*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	710.32	67.81
		For 8' Door Height, Add	*137.93*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	741.92	67.81
		For 8' Door Height, Add	*145.51*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	778.90	70.53
		For 8' Door Height, Add	*153.08*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	816.22	73.24
		For 8' Door Height, Add	*160.74*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	889.88	73.24
		For 8' Door Height, Add	*178.42*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	942.88	75.95
		For 8' Door Height, Add	*189.83*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,371.80	111.22
		For 8' Door Height, Add	*275.85*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,451.32	119.36
		For 8' Door Height, Add	*291.03*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,594.45	127.49
		For 8' Door Height, Add	*321.48*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	394.87	67.81
		For 8' Door Height, Add	*62.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	409.87	67.81
		For 8' Door Height, Add	*65.82*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	430.35	70.53
		For 8' Door Height, Add	*69.43*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	441.35	73.24
		For 8' Door Height, Add	*70.77*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	473.87	73.24
		For 8' Door Height, Add	*78.57*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	500.26	75.95
		For 8' Door Height, Add	*83.60*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	740.90	111.22
		For 8' Door Height, Add	*124.43*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	787.18	119.36
		For 8' Door Height, Add	*131.64*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	844.70	127.49
		For 8' Door Height, Add	*141.54*	

08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0065 Birch Faced *(08 17 23 00-0064)*

08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	425.05	67.81
		For 8' Door Height, Add	*69.46*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	435.98	67.81
		For 8' Door Height, Add	*72.08*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	445.44	70.53
		For 8' Door Height, Add	*73.05*	
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	468.67	73.24
		For 8' Door Height, Add	*77.33*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	515.94	73.24
		For 8' Door Height, Add	*88.67*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	576.58	75.95
		For 8' Door Height, Add	*101.92*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	801.31	111.22
		For 8' Door Height, Add	*138.93*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	839.39	119.36
		For 8' Door Height, Add	*144.17*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	899.39	127.49
		For 8' Door Height, Add	*154.66*	

08 17 23 00-0075 Lauan Faced *(08 17 23 00-0064)*

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	395.61	67.81
		For 8' Door Height, Add	*62.40*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	413.52	67.81
		For 8' Door Height, Add	*66.69*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	433.48	70.53
		For 8' Door Height, Add	*70.18*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	444.66	73.24
		For 8' Door Height, Add	*71.56*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	477.45	73.24
		For 8' Door Height, Add	*79.43*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	504.05	75.95
		For 8' Door Height, Add	*84.51*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	742.40	111.22
		For 8' Door Height, Add	*124.79*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	794.49	119.36
		For 8' Door Height, Add	*133.39*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	851.36	127.49
		For 8' Door Height, Add	*143.13*	

08 17 23 00-0085 Tempered Hardboard Faced *(08 17 23 00-0064)*

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	332.21	67.81
		For 8' Door Height, Add	*47.18*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	337.69	67.81
		For 8' Door Height, Add	*48.49*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	354.03	70.53
		For 8' Door Height, Add	*51.12*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	370.39	73.24
		For 8' Door Height, Add	*53.74*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	382.86	73.24
		For 8' Door Height, Add	*56.73*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	407.65	75.95
		For 8' Door Height, Add	*61.38*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	622.17	111.22
		For 8' Door Height, Add	*95.94*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	642.82	119.36
		For 8' Door Height, Add	*96.99*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	702.81	127.49
		For 8' Door Height, Add	*107.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0095		**Solid Core Doors, 1-3/4" Thick** *(08 17 23 00-0001)*		
08 17 23 00-0096		**Birch Faced** *(08 17 23 00-0095)*		
08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	536.21	67.81
		For 8' Door Height, Add	*96.14*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	552.89	67.81
		For 8' Door Height, Add	*100.14*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	563.89	70.53
		For 8' Door Height, Add	*101.48*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	586.00	73.24
		For 8' Door Height, Add	*105.48*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	634.35	73.24
		For 8' Door Height, Add	*117.09*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	688.59	75.95
		For 8' Door Height, Add	*128.81*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,023.60	111.22
		For 8' Door Height, Add	*192.28*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,073.22	119.36
		For 8' Door Height, Add	*200.28*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,134.03	127.49
		For 8' Door Height, Add	*210.97*	
08 17 23 00-0106		**Lauan Faced** *(08 17 23 00-0095)*		
08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	917.88	67.81
		For 8' Door Height, Add	*187.74*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	920.15	67.81
		For 8' Door Height, Add	*188.28*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	948.11	70.53
		For 8' Door Height, Add	*193.69*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	969.86	73.24
		For 8' Door Height, Add	*197.61*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,044.28	73.24
		For 8' Door Height, Add	*215.47*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,107.14	75.95
		For 8' Door Height, Add	*229.26*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,786.98	111.22
		For 8' Door Height, Add	*375.49*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,807.75	119.36
		For 8' Door Height, Add	*376.57*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,901.74	127.49
		For 8' Door Height, Add	*395.22*	
08 17 23 00-0116		**Tempered Hardboard Faced** *(08 17 23 00-0095)*		
08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	452.75	67.81
		For 8' Door Height, Add	*76.11*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	458.30	67.81
		For 8' Door Height, Add	*77.44*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	469.30	70.53
		For 8' Door Height, Add	*78.78*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	485.86	73.24
		For 8' Door Height, Add	*81.45*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	510.76	73.24
		For 8' Door Height, Add	*87.43*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	539.51	75.95
		For 8' Door Height, Add	*93.02*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	856.67	111.22
		For 8' Door Height, Add	*152.22*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	884.05	119.36
		For 8' Door Height, Add	*154.88*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	933.75	127.49
		For 8' Door Height, Add	*162.90*	
08 17 23 00-0126		**Oak Or Maple Faced** *(08 17 23 00-0095)*		
08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	849.94	67.81
		For 8' Door Height, Add	*171.44*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	854.30	67.81
		For 8' Door Height, Add	*172.48*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	896.65	70.53
		For 8' Door Height, Add	*181.34*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	911.71	73.24
		For 8' Door Height, Add	*183.66*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	994.67	73.24
		For 8' Door Height, Add	*203.57*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,098.39	75.95
		For 8' Door Height, Add	*227.16*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,651.07	111.22
		For 8' Door Height, Add	*342.88*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,676.08	119.36
		For 8' Door Height, Add	*344.97*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,785.46	127.49
		For 8' Door Height, Add	*367.31*	
08 17 23 00-0136		Walnut Faced *(08 17 23 00-0095)*		
08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,073.02	67.81
		For 8' Door Height, Add	*224.97*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,112.00	67.81
		For 8' Door Height, Add	*234.33*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,130.48	70.53
		For 8' Door Height, Add	*237.46*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,174.95	73.24
		For 8' Door Height, Add	*246.83*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,288.09	73.24
		For 8' Door Height, Add	*273.99*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,407.77	75.95
		For 8' Door Height, Add	*301.41*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,097.23	111.22
		For 8' Door Height, Add	*449.95*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,191.44	119.36
		For 8' Door Height, Add	*468.66*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,311.92	127.49
		For 8' Door Height, Add	*493.66*	

08 18 Glass Doors *(08 10)*

08 18 16 Sliding Glass Doors *(08 18)*

08 18 16 00-0001		Sliding Aluminum-Framed Glass Doors *(08 18 16)*		
08 18 16 00-0002		Residential Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0001)*		
08 18 16 00-0003		5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*		
08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	43.39	4.88
		For Custom Quality, Add	*7.62*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*5.48*	
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	36.65	3.04
		For Custom Quality, Add	*7.28*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*5.24*	
08 18 16 00-0006		1" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*		
08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	48.85	4.88
		For Custom Quality, Add	*8.98*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.47*	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	42.03	3.04
		For Custom Quality, Add	*8.63*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.21*	
08 18 16 00-0009		Sliding Wood-Framed Glass Doors *(08 18 16)*		
08 18 16 00-0010		Residential Wood Sliding Doors With 5/8" Glass *(08 18 16 00-0009)*		
08 18 16 00-0011	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,906.08	146.48
08 18 16 00-0012	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,326.95	179.03
08 18 16 00-0013	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,688.75	206.15
08 18 16 00-0014	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,093.78	146.48
08 18 16 00-0015	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,569.37	179.03
08 18 16 00-0016	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,988.76	206.15

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001		Stainless Steel Access Doors *(08 31 13)*		
08 31 13 00-0002		Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*		
08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	461.01	59.65
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	537.06	63.54
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	627.75	67.21
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	725.25	70.62
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	742.05	70.98
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	960.12	73.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0009		**Stainless Steel Access Doors** *(08 31 13 00-0001)*		
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	182.22	45.74
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	218.33	59.65
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	312.36	63.54
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	335.35	67.21
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	389.81	70.62
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	444.91	70.98
08 31 13 00-0016		**Steel Access Doors** *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0017		**Insulated Fire Rated Steel Access Doors** *(08 31 13 00-0016)*		
08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	310.02	60.01
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	386.36	63.54
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	385.24	67.21
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	459.62	70.98
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	481.18	70.98
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	635.03	73.18
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	734.56	76.23
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	913.01	76.23
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	1,173.42	91.47
08 31 13 00-0027		**Steel Access Doors** *(08 31 13 00-0016)*		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	152.95	45.98
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	163.88	60.01
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	189.94	63.54
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	194.81	67.21
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	233.26	70.98
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	239.21	70.98
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	310.44	73.18
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	415.77	76.23
08 31 13 00-0036		**Fiberglass Reinforced Polyester (FRP) Access Doors** *(08 31 13)*		
08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	185.05	45.74
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	204.98	48.79
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	253.73	51.83
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	302.32	54.88
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	354.24	57.69
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	380.27	57.93
08 31 13 00-0043		**Steel Recessed Access Doors For Drywall Application** *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch	224.41	45.74
		For Recessed Doors In Acoustical Tile, Add	*16.65*	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch	234.54	49.03
		For Recessed Doors In Acoustical Tile, Add	*18.72*	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch	252.31	51.83
		For Recessed Doors In Acoustical Tile, Add	*19.19*	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch	297.81	54.88
		For Recessed Doors In Acoustical Tile, Add	*15.71*	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch	313.28	57.93
		For Recessed Doors In Acoustical Tile, Add	*16.75*	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch	344.64	57.93
		For Recessed Doors In Acoustical Tile, Add	*12.04*	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch	429.01	73.18
		For Recessed Doors In Acoustical Tile, Add	*16.15*	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch	621.32	76.23
		For Recessed Doors In Acoustical Tile, Add	*-9.35*	
08 31 13 00-0052		**Steel Crawl Space Doors And Frames** *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	256.52	77.20
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	363.86	93.55
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	408.51	101.60

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001 Overhead Rolling Counter Doors *(08 33 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0002		**Galvanized Steel Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,051.71	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,352.81	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,859.09	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,369.70	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,406.67	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,752.88	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,951.58	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	8,430.30	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	
08 33 13 00-0011		**Stainless Steel Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,804.47	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,632.50	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,837.67	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	9,552.70	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,159.43	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,430.37	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,629.07	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	10,989.69	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	
08 33 13 00-0020		**Aluminum Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,653.91	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,955.02	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,762.40	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	9,176.32	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	8,008.88	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	8,355.09	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	8,591.43	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	10,839.14	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	
08 33 13 00-0029		**Galvanized Steel Overhead Rolling Counter Fire Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	7,858.33	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	8,309.99	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	8,966.81	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	9,627.98	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	8,761.64	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	9,183.13	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	9,532.38	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	9,785.27	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	

08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	8,912.19	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	10,116.61	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	10,321.78	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	12,639.02	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,664.95	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	10,011.16	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	10,360.42	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	12,796.31	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	12,826.55	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	13,127.65	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	20,330.05	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	13,993.99	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	13,278.20	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	13,699.69	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	14,048.94	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	15,656.80	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	11,321.03	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	11,622.13	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	11,977.85	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	12,488.47	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	12,675.99	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	13,097.48	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	13,597.28	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	14,000.73	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,644.21	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,149.73	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	22,215.39	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	23,930.42	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,902.49	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	21,528.39	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	23,834.82	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	26,948.20	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	14,934.27	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	15,235.38	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	15,892.21	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	17,155.58	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	15,837.59	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	16,861.28	481.50
		For Motor Operator (With Safety Reverse), Add	*770.39*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	17,812.74	500.79
		For Motor Operator (With Safety Reverse), Add	*775.20*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	20,926.12	541.74
		For Motor Operator (With Safety Reverse), Add	*785.44*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	21,408.01	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	22,160.77	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	25,226.43	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	16,138.69	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	22,160.77	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	25,226.43	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	14,030.96	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	15,837.59	433.40
		For Motor Operator (With Safety Reverse), Add	*758.35*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	16,946.07	460.49
		For Motor Operator (With Safety Reverse), Add	*763.81*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	18,661.10	541.74
		For Motor Operator (With Safety Reverse), Add	*784.76*	

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,730.18	189.61
		For Lexan Lattice Pattern, Add	*178.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*103.71*	
		For Staggered Brick Pattern, Add	*184.63*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,882.17	189.61
		For Lexan Lattice Pattern, Add	*201.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*142.71*	
		For Staggered Brick Pattern, Add	*250.47*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,216.15	252.78
		For Lexan Lattice Pattern, Add	*224.07*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*181.73*	
		For Staggered Brick Pattern, Add	*316.31*	
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,581.93	252.78
		For Lexan Lattice Pattern, Add	*278.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*259.74*	
		For Staggered Brick Pattern, Add	*448.00*	
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,542.31	379.22
		For Lexan Lattice Pattern, Add	*368.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*389.12*	
		For Staggered Brick Pattern, Add	*590.74*	
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,021.78	433.40
		For Lexan Lattice Pattern, Add	*413.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*389.12*	
		For Staggered Brick Pattern, Add	*590.74*	
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,502.69	505.45
		For Lexan Lattice Pattern, Add	*458.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*518.49*	
		For Staggered Brick Pattern, Add	*733.48*	
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,590.94	606.75
		For Lexan Lattice Pattern, Add	*578.19*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.20*	
		For Staggered Brick Pattern, Add	*758.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,878.53	758.44
		For Lexan Lattice Pattern, Add	*706.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*728.26*	
		For Staggered Brick Pattern, Add	*870.63*	
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,846.20	189.61
		For Lexan Lattice Pattern, Add	*195.67*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*155.54*	
		For Staggered Brick Pattern, Add	*214.50*	
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,064.49	189.61
		For Lexan Lattice Pattern, Add	*228.41*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*233.29*	
		For Staggered Brick Pattern, Add	*291.73*	
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,373.84	252.89
		For Lexan Lattice Pattern, Add	*247.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*311.03*	
		For Staggered Brick Pattern, Add	*368.96*	
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,795.27	252.89
		For Lexan Lattice Pattern, Add	*310.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*466.64*	
		For Staggered Brick Pattern, Add	*523.40*	
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,841.56	379.22
		For Lexan Lattice Pattern, Add	*413.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.20*	
		For Staggered Brick Pattern, Add	*720.53*	
08 33 16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,363.97	433.40
		For Lexan Lattice Pattern, Add	*465.09*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.20*	
		For Staggered Brick Pattern, Add	*720.53*	
08 33 16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,883.99	505.45
		For Lexan Lattice Pattern, Add	*516.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*777.75*	
		For Staggered Brick Pattern, Add	*917.65*	
08 33 16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,090.04	606.75
		For Lexan Lattice Pattern, Add	*653.05*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*933.29*	
		For Staggered Brick Pattern, Add	*1,057.87*	
08 33 16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	7,375.63	758.44
		For Lexan Lattice Pattern, Add	*781.30*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,086.60*	
		For Staggered Brick Pattern, Add	*1,185.94*	

08 33 23 Overhead Coiling Doors *(08 33)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1065 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,304.31	560.42
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,395.51	593.39
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,392.56	593.39
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,487.61	626.36
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,513.78	642.87
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,641.48	692.30
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,747.55	725.26
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,718.39	725.26
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,772.48	741.74
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,835.96	758.23
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,960.92	791.19
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,831.89	758.23
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,941.51	791.19
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,065.66	824.16
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,161.69	857.12

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,061.73	834.05
		For 3/4" Insulated Slats, Add	*1,253.74*	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,147.86	853.01
		For 3/4" Insulated Slats, Add	*1,294.60*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,402.82	909.87
		For 3/4" Insulated Slats, Add	*1,414.78*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,625.61	947.78
		For 3/4" Insulated Slats, Add	*1,534.48*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,272.04	871.96
		For 3/4" Insulated Slats, Add	*1,364.08*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,533.55	947.78
		For 3/4" Insulated Slats, Add	*1,465.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,719.22	985.70
		For 3/4" Insulated Slats, Add	*1,557.30*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,953.36	1,023.61
		For 3/4" Insulated Slats, Add	*1,685.51*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,491.79	909.87
		For 3/4" Insulated Slats, Add	*1,481.51*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,694.89	947.78
		For 3/4" Insulated Slats, Add	*1,586.44*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,973.82	1,023.61
		For 3/4" Insulated Slats, Add	*1,700.86*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,271.01	1,056.58
		For 3/4" Insulated Slats, Add	*1,882.55*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,378.80	1,122.50
		For 3/4" Insulated Slats, Add	*1,880.97*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,775.58	1,188.44
		For 3/4" Insulated Slats, Add	*2,096.14*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,188.42	1,254.37
		For 3/4" Insulated Slats, Add	*2,323.35*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,702.09	750.64
		For 3/4" Insulated Slats, Add	*1,088.26*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,905.64	792.35
		For 3/4" Insulated Slats, Add	*1,188.76*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,050.87	825.32
		For 3/4" Insulated Slats, Add	*1,256.47*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,086.66	875.76
		For 3/4" Insulated Slats, Add	*1,220.27*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,386.99	959.17
		For 3/4" Insulated Slats, Add	*1,341.26*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,575.60	992.12
		For 3/4" Insulated Slats, Add	*1,441.51*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,019.11	1,025.09
		For 3/4" Insulated Slats, Add	*1,732.93*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,495.59	1,074.55
		For 3/4" Insulated Slats, Add	*2,028.48*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,353.12	938.30
		For 3/4" Insulated Slats, Add	*1,341.98*	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,625.89	1,000.86
		For 3/4" Insulated Slats, Add	*1,468.35*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,843.70	1,042.57
		For 3/4" Insulated Slats, Add	*1,579.53*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,270.31	1,075.54
		For 3/4" Insulated Slats, Add	*1,858.28*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,729.89	1,124.98
		For 3/4" Insulated Slats, Add	*2,141.16*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,953.11	1,084.26
		For 3/4" Insulated Slats, Add	*1,609.50*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,235.54	1,125.97
		For 3/4" Insulated Slats, Add	*1,769.16*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,744.88	1,191.90
		For 3/4" Insulated Slats, Add	*2,068.75*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,320.17	1,290.81
		For 3/4" Insulated Slats, Add	*2,376.59*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,915.94	1,422.67
		For 3/4" Insulated Slats, Add	*2,658.59*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,577.65	1,587.50
		For 3/4" Insulated Slats, Add	*2,948.83*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,305.30	1,785.30
		For 3/4" Insulated Slats, Add	*3,247.31*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,097.46	2,016.06
		For 3/4" Insulated Slats, Add	*3,552.98*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,248.88	1,125.97
		For 3/4" Insulated Slats, Add	*1,779.16*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,527.77	1,162.23
		For 3/4" Insulated Slats, Add	*1,943.00*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,159.52	1,228.17
		For 3/4" Insulated Slats, Add	*2,334.40*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,857.20	1,327.06
		For 3/4" Insulated Slats, Add	*2,734.03*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,551.44	1,458.94
		For 3/4" Insulated Slats, Add	*3,089.89*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,311.62	1,623.76
		For 3/4" Insulated Slats, Add	*3,453.98*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,137.74	1,821.56
		For 3/4" Insulated Slats, Add	*3,826.32*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,095.70	2,085.29
		For 3/4" Insulated Slats, Add	*4,215.13*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,174.08	1,311.08
		For 3/4" Insulated Slats, Add	*2,241.72*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,652.43	1,377.02
		For 3/4" Insulated Slats, Add	*2,518.07*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,222.96	1,442.96
		For 3/4" Insulated Slats, Add	*2,863.55*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,801.80	1,541.85
		For 3/4" Insulated Slats, Add	*3,174.05*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,478.04	1,673.71
		For 3/4" Insulated Slats, Add	*3,516.41*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,153.71	1,805.58
		For 3/4" Insulated Slats, Add	*3,858.33*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,517.84	1,970.41
		For 3/4" Insulated Slats, Add	*4,675.38*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,947.89	2,168.21
		For 3/4" Insulated Slats, Add	*5,500.67*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,206.95	1,507.75
		For 3/4" Insulated Slats, Add	*2,770.53*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,747.28	1,573.68
		For 3/4" Insulated Slats, Add	*3,093.36*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,231.56	1,639.62
		For 3/4" Insulated Slats, Add	*3,374.15*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,797.97	1,738.51
		For 3/4" Insulated Slats, Add	*3,675.34*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,477.05	1,870.38
		For 3/4" Insulated Slats, Add	*4,019.81*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,244.41	2,002.24
		For 3/4" Insulated Slats, Add	*4,430.50*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,393.04	2,167.07
		For 3/4" Insulated Slats, Add	*5,085.94*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,616.11	2,364.87
		For 3/4" Insulated Slats, Add	*5,755.99*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,734.28	1,696.22
		For 3/4" Insulated Slats, Add	*2,930.40*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,220.82	1,762.16
		For 3/4" Insulated Slats, Add	*3,212.88*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,994.76	1,861.05
		For 3/4" Insulated Slats, Add	*3,669.71*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,726.09	1,992.92
		For 3/4" Insulated Slats, Add	*4,053.38*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,527.71	2,157.75
		For 3/4" Insulated Slats, Add	*4,448.56*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,395.81	2,355.55
		For 3/4" Insulated Slats, Add	*4,852.39*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,834.42	2,586.31
		For 3/4" Insulated Slats, Add	*5,642.89*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,364.80	2,850.05
		For 3/4" Insulated Slats, Add	*6,461.01*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,702.11	1,950.66
		For 3/4" Insulated Slats, Add	*3,338.23*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,605.17	2,016.59
		For 3/4" Insulated Slats, Add	*3,933.10*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,776.10	2,385.01
		For 3/4" Insulated Slats, Add	*4,350.85*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,750.32	2,483.91
		For 3/4" Insulated Slats, Add	*4,957.89*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,926.75	2,615.77
		For 3/4" Insulated Slats, Add	*5,675.38*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,232.53	2,747.64
		For 3/4" Insulated Slats, Add	*6,489.88*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,610.32	2,912.47
		For 3/4" Insulated Slats, Add	*7,317.18*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,075.45	3,110.27
		For 3/4" Insulated Slats, Add	*8,168.78*	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,494.30	2,309.19
		For 3/4" Insulated Slats, Add	*3,484.28*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,515.94	2,408.08
		For 3/4" Insulated Slats, Add	*4,126.88*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,918.16	2,623.50
		For 3/4" Insulated Slats, Add	*4,909.21*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,174.67	2,722.40
		For 3/4" Insulated Slats, Add	*5,727.97*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,501.16	2,854.27
		For 3/4" Insulated Slats, Add	*6,558.00*	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,956.53	2,986.13
		For 3/4" Insulated Slats, Add	*7,484.70*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,482.09	3,150.96
		For 3/4" Insulated Slats, Add	*8,422.83*	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,064.98	3,348.76
		For 3/4" Insulated Slats, Add	*9,362.75*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,360.44	2,540.09
		For 3/4" Insulated Slats, Add	*3,845.17*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,055.47	2,606.03
		For 3/4" Insulated Slats, Add	*4,284.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,530.25	2,671.96
		For 3/4" Insulated Slats, Add	*5,307.70*	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,927.39	2,770.86
		For 3/4" Insulated Slats, Add	*6,231.93*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,337.67	2,902.73
		For 3/4" Insulated Slats, Add	*7,124.81*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,875.86	3,034.59
		For 3/4" Insulated Slats, Add	*8,113.63*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,751.02	3,215.91
		For 3/4" Insulated Slats, Add	*9,293.35*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,669.33	3,397.22
		For 3/4" Insulated Slats, Add	*10,505.44*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,687.94	1,376.67
		For 3/4" Insulated Slats, Add	*2,545.19*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,224.87	1,445.90
		For 3/4" Insulated Slats, Add	*2,861.35*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,867.78	1,515.14
		For 3/4" Insulated Slats, Add	*3,257.00*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,513.67	1,618.91
		For 3/4" Insulated Slats, Add	*3,611.61*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,264.98	1,757.37
		For 3/4" Insulated Slats, Add	*4,002.02*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,015.62	1,895.83
		For 3/4" Insulated Slats, Add	*4,391.93*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,551.40	2,068.96
		For 3/4" Insulated Slats, Add	*5,327.43*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,156.41	2,276.66
		For 3/4" Insulated Slats, Add	*6,271.57*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,836.38	1,583.17
		For 3/4" Insulated Slats, Add	*3,148.40*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,444.58	1,652.41
		For 3/4" Insulated Slats, Add	*3,518.02*	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,988.31	1,721.63
		For 3/4" Insulated Slats, Add	*3,839.28*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,619.91	1,825.41
		For 3/4" Insulated Slats, Add	*4,183.17*	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,374.48	1,963.87
		For 3/4" Insulated Slats, Add	*4,576.02*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,230.57	2,102.33
		For 3/4" Insulated Slats, Add	*5,045.02*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,518.53	2,275.47
		For 3/4" Insulated Slats, Add	*5,794.64*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,885.49	2,483.16
		For 3/4" Insulated Slats, Add	*6,560.26*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,405.13	1,780.97
		For 3/4" Insulated Slats, Add	*3,327.55*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,951.44	1,850.20
		For 3/4" Insulated Slats, Add	*3,650.75*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,821.70	1,954.11
		For 3/4" Insulated Slats, Add	*4,173.64*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,636.37	2,092.57
		For 3/4" Insulated Slats, Add	*4,611.57*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,525.25	2,265.57
		For 3/4" Insulated Slats, Add	*5,061.88*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,484.03	2,473.27
		For 3/4" Insulated Slats, Add	*5,521.35*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,092.27	2,715.63
		For 3/4" Insulated Slats, Add	*6,424.66*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,799.46	2,992.56
		For 3/4" Insulated Slats, Add	*7,358.90*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,467.25	2,048.13
		For 3/4" Insulated Slats, Add	*3,790.19*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,492.57	2,117.36
		For 3/4" Insulated Slats, Add	*4,472.64*	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,570.88	2,504.26
		For 3/4" Insulated Slats, Add	*4,797.84*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,641.27	2,608.17
		For 3/4" Insulated Slats, Add	*5,470.83*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,932.29	2,746.63
		For 3/4" Insulated Slats, Add	*6,266.02*	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,367.03	2,885.08
		For 3/4" Insulated Slats, Add	*7,169.00*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,877.78	3,058.09
		For 3/4" Insulated Slats, Add	*8,085.72*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,481.51	3,265.78
		For 3/4" Insulated Slats, Add	*9,028.91*	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,155.86	2,424.61
		For 3/4" Insulated Slats, Add	*3,836.13*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,278.93	2,528.52
		For 3/4" Insulated Slats, Add	*4,548.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,810.70	2,754.66
		For 3/4" Insulated Slats, Add	*5,414.61*	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,194.72	2,858.57
		For 3/4" Insulated Slats, Add	*6,322.82*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,652.49	2,997.04
		For 3/4" Insulated Slats, Add	*7,243.07*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,253.45	3,135.50
		For 3/4" Insulated Slats, Add	*8,270.72*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,928.36	3,308.50
		For 3/4" Insulated Slats, Add	*9,310.56*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,662.97	3,516.19
		For 3/4" Insulated Slats, Add	*10,351.91*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,089.98	2,667.11
		For 3/4" Insulated Slats, Add	*4,233.60*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,854.20	2,736.34
		For 3/4" Insulated Slats, Add	*4,720.23*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,484.77	2,805.56
		For 3/4" Insulated Slats, Add	*5,856.62*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,025.05	2,909.35
		For 3/4" Insulated Slats, Add	*6,882.03*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,575.93	3,047.80
		For 3/4" Insulated Slats, Add	*7,872.11*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,268.92	3,186.26
		For 3/4" Insulated Slats, Add	*8,968.78*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,330.32	3,376.68
		For 3/4" Insulated Slats, Add	*10,276.81*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,439.55	3,567.09
		For 3/4" Insulated Slats, Add	*11,620.79*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,717.76	750.64
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,920.48	792.35
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,431.42	825.32
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,328.31	875.76
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,642.66	959.17
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,856.19	992.12
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,113.96	1,025.09
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,407.92	1,074.55
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,635.44	938.30
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,960.28	1,000.86
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,246.59	1,042.57
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,504.58	1,075.54
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,796.59	1,124.98
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,345.59	1,084.26
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,627.29	1,125.97
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,003.64	1,191.90
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,447.30	1,290.81
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,131.45	1,422.67
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,881.43	1,587.50
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,693.35	1,785.30
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,572.35	2,016.06
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,622.31	1,125.97
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,173.65	1,162.23
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,678.67	1,228.17
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,251.89	1,327.06
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,024.14	1,458.94
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,864.26	1,623.76
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,489.39	1,821.56
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,248.98	2,085.29

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,286.42	1,311.08
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,951.13	1,377.02
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,603.26	1,442.96
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,270.84	1,541.85
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,045.36	1,673.71
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,819.85	1,805.58
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,671.34	1,970.41
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,588.87	2,168.21
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,160.61	1,507.75
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,855.28	1,573.68
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,521.57	1,639.62
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,274.29	1,738.51
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,149.72	1,870.38
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,072.41	2,002.24
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,023.18	2,167.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,991.05	2,364.87
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,886.01	1,696.22
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,629.56	1,762.16
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,510.58	1,861.05
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,445.28	1,992.92
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,455.99	2,157.75
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,526.33	2,355.55
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,661.02	2,586.31
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,867.95	2,850.05
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,867.82	1,950.66
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,625.56	2,016.59
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,868.55	2,115.48
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,750.31	2,247.36
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,846.13	2,412.19
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,036.27	2,609.98
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,241.88	2,840.75
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,546.58	3,104.48
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,289.47	2,309.19
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,288.12	2,408.08
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,633.44	2,623.50
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,725.09	2,722.40
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,881.13	2,854.27
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,048.17	2,986.13
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,221.26	3,150.96
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,468.14	3,348.76
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,238.52	2,540.09
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,851.20	2,606.03
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,310.51	2,671.96
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,531.43	2,770.86
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,753.67	2,902.73
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,975.91	3,034.59
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,428.02	3,199.42
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,993.40	3,397.22

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	4.96	1.36
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	33.88	1.63
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	32.29	1.63
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	284.23	67.81
08 33 23 11-0247	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,797.50	217.01
08 33 23 11-0248	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,283.86	217.01
08 33 23 11-0249	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,131.49	244.13
08 33 23 11-0250	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,530.81	244.13
08 33 23 11-0251	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,757.30	271.25
08 33 23 11-0252	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,999.55	271.25
08 33 23 11-0253	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	86.43	
08 33 23 11-0254	EA	Remote Transmitter Kit For Coiling Door Operators	369.82	108.50

08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0256	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	23.17	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1065 for forklift.

08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)*

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*

08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,938.76	397.12
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,207.30	415.56
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,474.04	434.01
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,738.98	452.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,007.52	470.90
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,274.26	489.35
08 33 23 13-0010		6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,207.30	415.56
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,474.04	434.01
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,738.98	452.46
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,007.52	470.90
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,274.26	489.35
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,541.01	507.79
08 33 23 13-0017		7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,474.04	434.01
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,738.98	452.46
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,007.52	470.90
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,274.26	489.35
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,541.01	507.79
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,809.55	526.24
08 33 23 13-0024		8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,738.98	452.46
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,007.52	470.90
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,274.26	489.35
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,541.01	507.79
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,809.55	526.24
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,074.50	544.68
08 33 23 13-0031		9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,007.52	470.90
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,274.26	489.35
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,541.01	507.79
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,809.55	526.24
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,074.50	544.68
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,343.04	563.13
08 33 23 13-0038		10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,274.26	489.35
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,541.01	507.79
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,809.55	526.24
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,074.50	544.68
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,343.04	563.13
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,609.78	581.57
08 33 23 13-0045		Rytec® Bantam® Door Options *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	11.22	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	24.69	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	35.91	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	341.19	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	647.22	54.25
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	647.22	54.25
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	2,775.91	108.50
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	341.94	54.25
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	332.96	54.25
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0055)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0057		**6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,306.92	434.01
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,553.31	452.46
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,837.95	470.90
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,235.64	489.35
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,641.66	507.79
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,327.01	526.24
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,812.83	544.68
08 33 23 13-0065		**7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,608.18	452.46
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,922.74	470.90
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,318.78	489.35
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,738.10	507.79
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,292.09	526.24
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,960.81	544.68
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,486.19	563.13
08 33 23 13-0073		**8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,975.95	470.90
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,370.32	489.35
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,806.27	507.79
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,376.89	526.24
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,890.97	544.68
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,619.55	563.13
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,216.77	581.57
08 33 23 13-0081		**9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,425.19	489.35
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,857.81	507.79
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,428.43	526.24
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,959.14	544.68
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,516.46	563.13
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,095.39	581.57
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,730.85	600.02
08 33 23 13-0089		**10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,901.04	507.79
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,483.30	526.24
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,009.03	544.68
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,571.33	563.13
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,195.15	581.57
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,318.50	600.02
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,381.27	618.46
08 33 23 13-0097		**11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,514.89	526.24
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,053.92	544.68
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,622.87	563.13
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,248.36	581.57
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,657.69	600.02
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,471.06	618.46
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,136.46	636.91
08 33 23 13-0105		**12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,068.88	544.68
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,652.80	563.13
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,289.93	581.57
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,714.23	600.02
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,273.20	618.46
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,212.94	636.91
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,865.03	655.35

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0113		**Rytec® PredaDoor® Door Options** *(08 33 23 13-0055)*		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	757.39	108.50
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,114.87	108.50
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	13.47	
08 33 23 13-0117		**3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118		**3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0117)*		
08 33 23 13-0119		**8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** *(08 33 23 13-0118)*		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,165.80	976.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,220.42	1,004.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,138.70	1,031.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,126.81	1,059.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,247.94	1,087.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,833.68	1,114.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,751.95	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,569.35	1,172.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,874.75	1,202.71
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,928.53	1,233.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,235.33	1,266.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,220.42	1,004.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,138.70	1,031.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,126.81	1,059.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,247.94	1,087.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,833.68	1,114.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,751.95	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,937.93	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,874.75	1,202.71
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,928.53	1,233.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,235.33	1,266.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,793.41	1,298.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0143		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,138.70	1,031.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,126.81	1,059.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,247.94	1,087.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,833.68	1,114.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,751.95	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,937.93	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,057.40	1,197.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,927.32	1,233.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,234.09	1,265.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,792.14	1,298.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,104.09	1,332.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0155		11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,126.81	1,059.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,247.94	1,087.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,833.68	1,114.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,751.95	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,937.93	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,057.40	1,197.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,309.87	1,225.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,231.13	1,263.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,789.10	1,296.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,100.97	1,330.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,660.61	1,365.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0167		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,247.94	1,087.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,833.68	1,114.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,751.95	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,937.93	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,057.40	1,197.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,309.87	1,225.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,208.20	1,253.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,784.56	1,294.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,096.30	1,328.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,655.81	1,362.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,217.13	1,398.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0179		13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,518.71	1,114.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,694.70	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,809.18	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.90	1,197.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,395.62	1,225.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,352.14	1,253.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,077.54	1,280.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,192.70	1,325.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,753.86	1,359.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,322.19	1,395.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,702.01	1,431.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0191		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,694.70	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,809.18	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,104.90	1,197.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,395.62	1,225.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,352.14	1,253.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,077.54	1,280.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,158.77	1,308.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,746.18	1,355.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,314.30	1,391.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,693.93	1,427.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,707.73	1,464.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0203		15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,754.38	1,142.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,050.56	1,170.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,341.35	1,197.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,298.13	1,225.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,023.27	1,253.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,103.96	1,280.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,711.73	1,338.64
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,306.17	1,387.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,685.58	1,423.10
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,699.17	1,460.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,816.83	1,498.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0215		16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,101.55	1,195.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,394.91	1,224.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,354.27	1,253.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,081.98	1,282.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,165.25	1,311.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,715.40	1,340.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,270.94	1,369.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,677.26	1,418.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,690.63	1,455.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,808.07	1,493.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,938.25	1,532.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0227		17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,273.47	1,223.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,352.69	1,252.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,659.96	1,282.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,096.51	1,312.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,414.56	1,341.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,377.26	1,371.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,268.13	1,400.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,682.11	1,451.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,799.34	1,489.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,929.29	1,528.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,994.81	1,567.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0239		18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,698.08	1,251.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,125.23	1,281.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,679.87	1,311.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,229.13	1,342.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,844.83	1,372.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,142.90	1,402.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,505.62	1,433.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,661.54	1,484.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,920.35	1,523.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,926.38	1,563.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,997.32	1,603.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,122.18	1,280.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,678.22	1,311.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,228.87	1,342.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,845.96	1,373.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,145.43	1,404.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,509.55	1,435.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,623.84	1,466.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,911.44	1,519.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,917.24	1,558.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,987.94	1,599.14
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,060.75	1,640.72
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,675.11	1,309.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,227.19	1,341.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,845.70	1,372.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,146.60	1,404.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,512.14	1,436.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,627.85	1,468.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,872.86	1,499.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,908.12	1,554.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,978.59	1,594.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,051.16	1,635.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,874.48	1,678.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0275		21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,159.76	1,404.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,462.10	1,436.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,827.30	1,469.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,948.07	1,501.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,192.74	1,534.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,230.50	1,589.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,302.84	1,631.14
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,377.30	1,673.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,202.58	1,717.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0285		22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,962.61	1,436.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,268.25	1,470.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,633.15	1,503.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,753.61	1,536.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,003.37	1,569.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,043.68	1,626.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,117.92	1,668.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,192.54	1,712.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,021.62	1,756.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0295		23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,768.76	1,469.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,074.13	1,503.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,442.35	1,537.81
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,564.34	1,571.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,813.83	1,605.72
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,858.55	1,663.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,932.92	1,707.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,011.35	1,751.41
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,842.48	1,796.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0305		24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,574.64	1,503.72
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,881.56	1,538.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,253.13	1,573.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,376.70	1,607.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,625.95	1,642.64
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,671.54	1,702.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,749.71	1,746.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,831.96	1,791.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,661.59	1,838.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0315 Rytec® Fast-Seal® Door Options *(08 33 23 13-0117)*

08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	49.88	
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	540.38	
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	897.86	
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,320.38	
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,975.29	
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	315.91	
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	623.51	
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	789.78	
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,247.03	
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	365.79	
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	723.28	
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	897.86	
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,446.55	
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	752.35	
		For 304 Stainless Steel, Add	*120.38*	
		For 316 Stainless Steel, Add	*526.65*	
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	978.06	
		For 304 Stainless Steel, Add	*156.49*	
		For 316 Stainless Steel, Add	*684.64*	
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,279.00	
		For 304 Stainless Steel, Add	*204.64*	
		For 316 Stainless Steel, Add	*895.30*	
08 33 23 13-0332	EA	Through Wall Brake Release	185.83	
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	21,592.44	
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*	

08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13)*

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0334)*

08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,684.54	976.52
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,951.77	1,004.20
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,429.10	1,031.86
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,906.43	1,059.53
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,385.55	1,087.19
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,862.89	1,114.86
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,128.32	1,142.54
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,611.52	1,172.24
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,516.46	1,202.72
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,790.91	1,233.98
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,488.95	1,266.07

08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,951.77	1,004.20
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,217.20	1,031.86
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,696.33	1,059.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,385.55	1,087.19
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,650.99	1,114.86
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,128.32	1,142.54
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,607.44	1,170.20
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,094.47	1,202.72
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,212.90	1,233.98
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,334.73	1,266.07
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,456.46	1,298.99
08 33 23 13-0360		**10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,484.98	1,031.86
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,752.22	1,059.53
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,229.54	1,087.19
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,918.77	1,114.86
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,396.09	1,142.54
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,875.22	1,170.20
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,352.56	1,197.87
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,057.47	1,233.38
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,965.60	1,265.46
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,299.17	1,298.35
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,424.38	1,332.11
08 33 23 13-0372		**11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,540.32	1,059.53
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,017.65	1,087.19
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,496.77	1,114.86
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,185.99	1,142.54
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,663.33	1,170.20
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,140.66	1,197.87
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,253.67	1,225.53
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,596.52	1,263.97
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,930.04	1,296.83
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,265.25	1,330.56
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,390.32	1,365.14
08 33 23 13-0384		**12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,807.55	1,087.19
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,284.88	1,114.86
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,762.20	1,142.54
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,451.43	1,170.20
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,140.66	1,197.87
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,463.77	1,225.53
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,786.88	1,253.20
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,137.37	1,294.56
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,682.56	1,328.22
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,019.41	1,362.75
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,358.05	1,398.19
08 33 23 13-0396		**13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,284.88	1,114.86
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,552.10	1,142.54
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,029.44	1,170.20
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,930.56	1,197.87
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,463.77	1,225.53
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,998.78	1,253.20
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,321.89	1,280.88
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,888.51	1,325.24
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,437.09	1,359.70
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,985.67	1,395.05
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,325.99	1,431.32
08 33 23 13-0408		**14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,552.10	1,142.54
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,817.54	1,170.20
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,506.77	1,197.87
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,829.88	1,225.53
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,786.88	1,253.20
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,321.89	1,280.88
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,067.00	1,308.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,639.49	1,355.86
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,189.68	1,391.11
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,739.89	1,427.27
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,505.67	1,464.39
08 33 23 13-0420		15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,872.44	1,168.81
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,351.05	1,197.12
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,041.54	1,225.41
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,942.14	1,253.72
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,112.31	1,282.03
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,858.68	1,310.33
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,605.07	1,338.64
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,181.56	1,387.04
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,943.45	1,423.09
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,707.21	1,460.11
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,472.92	1,498.07
08 33 23 13-0432		16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,136.31	1,195.70
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,828.11	1,224.65
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,519.92	1,253.60
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,267.59	1,282.56
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,649.16	1,311.51
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,398.63	1,340.47
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,146.33	1,369.42
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,935.13	1,418.94
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,698.67	1,455.84
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,464.15	1,493.69
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,443.49	1,532.52
08 33 23 13-0444		17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,615.09	1,223.20
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,096.32	1,252.82
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,845.34	1,282.44
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,594.36	1,312.06
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,977.25	1,341.68
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,938.16	1,371.30
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,687.19	1,400.92
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,690.17	1,451.58
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,455.42	1,489.31
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,434.53	1,528.04
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,415.65	1,567.78
08 33 23 13-0456		18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,093.35	1,251.33
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,575.96	1,281.63
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,960.22	1,311.94
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,922.49	1,342.23
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,306.76	1,372.54
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,269.03	1,402.84
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,443.20	1,433.15
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,446.71	1,484.96
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,425.58	1,523.58
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,406.48	1,563.19
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,389.43	1,603.83
08 33 23 13-0468		19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,994.90	1,280.10
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,690.79	1,311.11
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,288.34	1,342.11
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,252.01	1,373.11
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,849.56	1,404.11
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,813.24	1,435.11
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,987.00	1,466.11
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,994.69	1,519.12
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,185.45	1,558.61
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,168.15	1,599.14
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,364.87	1,640.73

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0480		20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,321.57	1,309.55
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,018.89	1,341.26
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,405.97	1,372.98
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,582.96	1,404.68
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,181.93	1,436.40
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,357.14	1,468.11
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,534.12	1,499.83
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,754.34	1,554.06
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,948.71	1,594.47
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,143.38	1,635.91
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,340.22	1,678.46
08 33 23 13-0492		21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,593.70	1,339.67
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,560.26	1,372.11
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,526.80	1,404.55
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,915.34	1,436.99
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,515.78	1,469.44
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,904.33	1,501.88
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,080.97	1,534.32
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,515.59	1,589.81
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,711.82	1,631.14
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,908.41	1,673.54
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,319.08	1,717.06
08 33 23 13-0504		22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,077.33	1,370.48
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,833.47	1,403.68
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,859.19	1,436.85
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,249.22	1,470.05
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,061.25	1,503.24
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,451.28	1,536.43
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,631.22	1,569.61
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,068.39	1,626.36
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,476.62	1,668.65
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,887.05	1,712.04
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,299.73	1,756.55
08 33 23 13-0516		23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,620.04	1,402.00
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,165.81	1,435.96
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,981.16	1,469.91
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,584.62	1,503.86
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,398.18	1,537.81
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,789.74	1,571.76
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,393.20	1,605.72
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,832.98	1,663.78
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,243.15	1,707.03
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,867.48	1,751.42
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,282.21	1,796.95
08 33 23 13-0528		24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,952.32	1,434.25
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,077.66	1,468.98
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,316.56	1,503.72
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,709.68	1,538.45
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,736.69	1,573.18
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,341.71	1,607.91
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,944.95	1,642.64
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,599.28	1,702.04
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,011.45	1,746.29
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,637.81	1,791.70
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,266.53	1,838.29
08 33 23 13-0540		Rytec® Powerhouse™ Door Options *(08 33 23 13-0334)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,747.45	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,801.32	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,855.19	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,909.06	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,962.94	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,016.81	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,070.68	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,124.55	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,178.42	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,232.29	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,286.16	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,340.04	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,393.91	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,447.78	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,501.65	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,555.52	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,609.39	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	628.50	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,544.32	

08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)*

Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0560)*

08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,989.94	1,302.03
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,944.79	1,329.70
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,899.66	1,357.37
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,856.18	1,385.03
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,811.04	1,412.70
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,765.89	1,440.38
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,518.12	1,468.04
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,468.06	1,497.40
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,418.64	1,527.34
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,370.40	1,557.89
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,323.40	1,589.05

08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,944.79	1,329.70
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,899.66	1,357.37
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,856.18	1,385.03
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,811.04	1,412.70
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,765.89	1,440.38
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,720.74	1,468.04
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,473.00	1,495.71
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,409.33	1,525.62
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,377.65	1,556.14
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,330.57	1,587.27
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,284.75	1,619.00

08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,899.66	1,357.37
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,856.18	1,385.03
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,811.04	1,412.70
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,765.89	1,440.38
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,720.74	1,468.04
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,675.61	1,495.71
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,427.85	1,523.37
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,380.26	1,553.84
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,333.09	1,584.92
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,287.15	1,616.63
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,242.50	1,648.94

08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,856.18	1,385.03
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,811.04	1,412.70
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,765.89	1,440.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,720.74	1,468.04
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,675.61	1,495.71
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,630.47	1,523.37
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,381.05	1,551.04
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,336.36	1,582.06
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,290.31	1,613.70
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,245.54	1,645.98
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,202.04	1,678.91
08 33 23 13-0610		**12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,811.04	1,412.70
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,765.89	1,440.38
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,720.74	1,468.04
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,675.61	1,495.71
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,630.47	1,523.37
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,585.33	1,551.04
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,337.56	1,578.72
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,292.45	1,610.29
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,247.54	1,642.49
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,203.92	1,675.34
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,163.41	1,708.85
08 33 23 13-0622		**13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,765.89	1,440.38
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,720.74	1,468.04
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,675.61	1,495.71
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,630.47	1,523.37
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,585.33	1,551.04
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,540.18	1,578.72
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,292.43	1,606.38
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,248.56	1,638.51
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,204.76	1,671.27
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,162.30	1,704.71
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,121.15	1,738.80
08 33 23 13-0634		**14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,518.12	1,468.04
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,473.00	1,495.71
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,427.85	1,523.37
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,381.05	1,551.04
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,337.56	1,578.72
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,292.43	1,606.38
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,238.97	1,634.05
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,195.67	1,666.73
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,153.01	1,700.07
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,111.69	1,734.07
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,071.74	1,768.74
08 33 23 13-0646		**15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,468.06	1,497.40
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,425.95	1,525.62
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,380.26	1,553.84
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,336.36	1,582.06
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,292.45	1,610.29
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,248.56	1,638.51
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,195.67	1,666.73
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,153.01	1,700.07
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,111.69	1,734.07
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,071.74	1,768.74
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,033.16	1,804.12
08 33 23 13-0658		**16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,418.64	1,527.34
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,377.65	1,556.14
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,333.09	1,584.92
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,290.31	1,613.70
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,247.54	1,642.49
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,204.76	1,671.27
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,153.01	1,700.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,111.69	1,734.07
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,071.74	1,768.74
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,033.16	1,804.12
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,997.80	1,840.20
08 33 23 13-0670		17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,370.40	1,557.89
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,330.57	1,587.27
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,287.15	1,616.63
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,245.54	1,645.98
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,203.92	1,675.34
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,162.30	1,704.71
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,111.69	1,734.07
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,071.74	1,768.74
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,033.16	1,804.12
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,997.80	1,840.20
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,962.07	1,877.01
08 33 23 13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,522.72	1,589.05
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,482.28	1,619.00
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,441.82	1,648.94
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,399.57	1,678.91
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,360.93	1,708.85
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,318.68	1,738.80
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,271.07	1,768.74
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,232.48	1,804.12
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,195.33	1,840.20
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,159.60	1,877.01
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,125.37	1,914.55
08 33 23 13-0694		19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,773.25	1,620.84
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,735.80	1,651.39
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,694.76	1,681.93
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,655.51	1,712.47
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,616.26	1,743.03
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,577.00	1,773.57
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,528.77	1,804.12
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,491.62	1,840.20
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,455.90	1,877.01
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,421.66	1,914.55
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,390.72	1,952.84
08 33 23 13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,322.72	1,653.58
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,287.09	1,683.96
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,246.80	1,715.43
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,209.40	1,746.89
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,170.88	1,778.36
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,132.39	1,808.74
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,086.00	1,840.20
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,050.46	1,877.09
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,016.00	1,915.07
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,983.71	1,953.05
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,952.51	1,992.11
08 33 23 13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0560)*		
08 33 23 13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,214.31	868.02
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,944.55	886.46
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,674.79	904.91
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,401.71	923.35
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,131.95	941.80
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,862.18	960.24
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,522.56	978.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,944.55	886.46
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,674.79	904.91
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,401.71	923.35
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,131.95	941.80
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,862.18	960.24
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,592.42	978.69
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,252.80	997.14
08 33 23 13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,674.79	904.91
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,401.71	923.35
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,131.95	941.80
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,862.18	960.24
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,592.42	978.69
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,322.66	997.14
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,983.03	1,015.59
08 33 23 13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,401.71	923.35
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,131.95	941.80
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,862.18	960.24
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,592.42	978.69
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,322.66	997.14
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,052.89	1,015.59
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,709.94	1,034.03
08 33 23 13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,131.95	941.80
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,862.18	960.24
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,592.42	978.69
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,322.66	997.14
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,052.89	1,015.59
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,783.12	1,034.03
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,440.18	1,052.48
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,862.18	960.24
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,592.42	978.69
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,322.66	997.14
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,052.89	1,015.59
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,783.12	1,034.03
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,513.37	1,052.48
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,170.42	1,070.92
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,522.56	978.69
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,252.80	997.14
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,983.03	1,015.59
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,709.94	1,034.03
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,440.18	1,052.48
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,170.42	1,070.92
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,900.66	1,089.37
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0560)*		
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	30,838.31	868.02
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	31,568.55	886.46
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,298.79	904.91
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,027.37	923.35
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,757.61	941.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,476.41	955.37
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,502.55	960.24
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	31,568.55	886.46
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,298.79	904.91
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,027.37	923.35
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,757.61	941.80
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,486.18	960.24
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,202.31	971.64
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,742.06	978.69
08 33 23 13-0792		10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,298.79	904.91
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,027.37	923.35
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,757.61	941.80
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,486.18	960.24
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,216.42	978.69
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,936.88	992.25
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,678.47	997.14
08 33 23 13-0800		11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,027.37	923.35
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,757.61	941.80
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,486.18	960.24
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,216.42	978.69
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,946.65	997.14
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,667.12	1,010.70
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,614.89	1,015.59
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,757.61	941.80
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,486.18	960.24
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,216.42	978.69
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,946.65	997.14
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,676.89	1,015.59
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,395.19	1,028.06
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,551.29	1,034.03
08 33 23 13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,486.18	960.24
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,216.42	978.69
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,946.65	997.14
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,676.89	1,015.59
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,407.12	1,034.03
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,126.52	1,047.05
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,487.71	1,052.48
08 33 23 13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,539.44	978.69
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,475.86	997.14
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,412.27	1,015.59
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,347.01	1,034.03
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,285.09	1,052.48
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,211.74	1,066.03
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,221.50	1,070.92
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0560)*		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	41,396.27	868.02
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	42,325.63	886.46
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,253.20	904.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,674.60	923.35
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,097.78	941.80
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,520.97	960.24
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,944.15	978.69
08 33 23 13-0841		**9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	42,325.63	886.46
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,253.20	904.91
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,180.78	923.35
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,603.96	941.80
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,025.35	960.24
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,448.53	978.69
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,880.70	997.14
08 33 23 13-0849		**10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,253.20	904.91
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,180.78	923.35
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,108.34	941.80
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,531.53	960.24
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,952.91	978.69
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,376.10	997.14
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,817.24	1,015.59
08 33 23 13-0857		**11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,180.78	923.35
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,108.34	941.80
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,035.91	960.24
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,459.09	978.69
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,882.28	997.14
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,303.67	1,015.59
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,751.98	1,034.03
08 33 23 13-0865		**12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,108.34	941.80
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,035.91	960.24
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,963.47	978.69
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,386.66	997.14
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,809.84	1,015.59
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,231.22	1,034.03
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,690.33	1,052.48
08 33 23 13-0873		**13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,035.91	960.24
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,963.47	978.69
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,891.04	997.14
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,314.22	1,015.59
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,737.40	1,034.03
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,160.59	1,052.48
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,626.88	1,070.92
08 33 23 13-0881		**14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,963.47	978.69
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,891.04	997.14
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,818.61	1,015.59
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,241.78	1,034.03
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,664.98	1,052.48
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,088.16	1,070.92
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,554.44	1,089.37
08 33 23 13-0889		**Rytec® Spiral® Door Options** *(08 33 23 13-0560)*		
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	540.38	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	365.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	540.38	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	365.79	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	540.38	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,006.36	54.25
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	2,910.59	108.50
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,246.68	108.50
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,969.96	108.50
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	628.50	

08 33 23 13-0900 Activation And Control Box Options For High Speed Doors *(08 33 23 13)*

08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	241.52	54.25
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	187.27	27.12
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	237.15	27.12
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	162.33	27.12
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	253.77	27.12
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	420.04	27.12
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	461.61	27.12
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	703.13	48.83
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	920.14	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	602.88	48.83
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	794.58	48.83
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	696.93	32.55
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	474.29	54.25
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	648.88	54.25
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	740.33	54.25
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	923.22	54.25

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1065 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,127.57	227.53
		For Lexan Lattice Pattern, Add	*221.70*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*207.40*	
		For Staggered Brick Pattern, Add	*280.75*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,391.29	227.53
		For Lexan Lattice Pattern, Add	*261.26*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*311.11*	
		For Staggered Brick Pattern, Add	*380.22*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,885.24	284.41
		For Lexan Lattice Pattern, Add	*310.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*414.80*	
		For Staggered Brick Pattern, Add	*479.69*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,265.56	284.41
		For Lexan Lattice Pattern, Add	*367.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*678.62*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,537.25	455.07
		For Lexan Lattice Pattern, Add	*485.25*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*829.60*	
		For Staggered Brick Pattern, Add	*957.02*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,639.82	568.83
		For Lexan Lattice Pattern, Add	*602.68*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,037.00*	
		For Staggered Brick Pattern, Add	*1,235.39*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,087.17	682.59
		For Lexan Lattice Pattern, Add	*770.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,244.40*	
		For Staggered Brick Pattern, Add	*1,389.66*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,640.63	834.28
		For Lexan Lattice Pattern, Add	*939.68*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,441.30*	
		For Staggered Brick Pattern, Add	*1,515.61*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,318.72	227.53
		For Lexan Lattice Pattern, Add	*250.37*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*259.25*	
		For Staggered Brick Pattern, Add	*333.53*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,668.23	227.53
		For Lexan Lattice Pattern, Add	*302.80*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*388.86*	
		For Staggered Brick Pattern, Add	*473.64*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,191.72	284.41
		For Lexan Lattice Pattern, Add	*357.11*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*518.51*	
		For Staggered Brick Pattern, Add	*613.74*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,668.02	284.41
		For Lexan Lattice Pattern, Add	*428.55*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*777.75*	
		For Staggered Brick Pattern, Add	*893.94*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,066.63	455.07
		For Lexan Lattice Pattern, Add	*564.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,037.00*	
		For Staggered Brick Pattern, Add	*1,232.63*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,293.67	568.83
		For Lexan Lattice Pattern, Add	*700.75*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,296.24*	
		For Staggered Brick Pattern, Add	*1,571.30*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,877.16	682.59
		For Lexan Lattice Pattern, Add	*889.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,555.69*	
		For Staggered Brick Pattern, Add	*1,819.68*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,860.47	834.28
		For Lexan Lattice Pattern, Add	*1,122.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,821.48*	
		For Staggered Brick Pattern, Add	*2,038.45*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,537.61	227.53
		For Lexan Lattice Pattern, Add	*283.21*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*311.11*	
		For Staggered Brick Pattern, Add	*385.55*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,600.97	227.53
		For Lexan Lattice Pattern, Add	*292.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*466.64*	
		For Staggered Brick Pattern, Add	*565.49*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,172.98	284.41
		For Lexan Lattice Pattern, Add	*353.93*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.18*	
		For Staggered Brick Pattern, Add	*745.42*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,125.43	284.41
		For Lexan Lattice Pattern, Add	*496.80*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*933.26*	
		For Staggered Brick Pattern, Add	*1,105.29*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,814.97	455.07
		For Lexan Lattice Pattern, Add	*676.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,244.38*	
		For Staggered Brick Pattern, Add	*1,536.68*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,335.37	568.83
		For Lexan Lattice Pattern, Add	*857.01*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,555.49*	
		For Staggered Brick Pattern, Add	*1,968.06*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,889.51	682.59
		For Lexan Lattice Pattern, Add	*1,041.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,866.59*	
		For Staggered Brick Pattern, Add	*2,080.96*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,065.69	834.28
		For Lexan Lattice Pattern, Add	*1,303.44*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,163.11*	
		For Staggered Brick Pattern, Add	*2,267.23*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,929.11	227.53
		For Lexan Lattice Pattern, Add	*341.93*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*362.81*	
		For Staggered Brick Pattern, Add	*713.12*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,356.56	227.53
		For Lexan Lattice Pattern, Add	*406.05*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*544.33*	
		For Staggered Brick Pattern, Add	*875.62*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,950.14	284.41
		For Lexan Lattice Pattern, Add	*470.87*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*725.83*	
		For Staggered Brick Pattern, Add	*1,019.59*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,848.07	284.41
		For Lexan Lattice Pattern, Add	*605.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,088.84*	
		For Staggered Brick Pattern, Add	*1,292.92*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,561.60	455.07
		For Lexan Lattice Pattern, Add	*788.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,451.80*	
		For Staggered Brick Pattern, Add	*1,729.69*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,103.60	568.83
		For Lexan Lattice Pattern, Add	*972.24*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,814.73*	
		For Staggered Brick Pattern, Add	*2,166.46*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,687.13	682.59
		For Lexan Lattice Pattern, Add	*1,160.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,177.69*	
		For Staggered Brick Pattern, Add	*2,457.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	12,365.10	834.28
		For Lexan Lattice Pattern, Add	*1,498.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,570.78*	
		For Staggered Brick Pattern, Add	*2,807.25*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	104.56	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,840.05	636.22
		For Lexan Lattice Pattern, Add	*303.32*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.20*	
		For Staggered Brick Pattern, Add	*678.62*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	5,304.09	817.27
		For Lexan Lattice Pattern, Add	*445.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*954.39*	
		For Staggered Brick Pattern, Add	*1,086.93*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,843.84	1,030.50
		For Lexan Lattice Pattern, Add	*584.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,244.40*	
		For Staggered Brick Pattern, Add	*1,389.66*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	8,126.23	1,137.66
		For Lexan Lattice Pattern, Add	*731.17*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,441.30*	
		For Staggered Brick Pattern, Add	*1,515.61*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,598.33	725.39
		For Lexan Lattice Pattern, Add	*378.88*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*777.75*	
		For Staggered Brick Pattern, Add	*893.94*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	6,376.91	931.69
		For Lexan Lattice Pattern, Add	*557.02*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,145.43*	
		For Staggered Brick Pattern, Add	*1,357.43*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	8,142.38	1,174.39
		For Lexan Lattice Pattern, Add	*717.88*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,555.69*	
		For Staggered Brick Pattern, Add	*1,819.68*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	9,812.09	1,296.93
		For Lexan Lattice Pattern, Add	*913.70*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,821.48*	
		For Staggered Brick Pattern, Add	*2,038.45*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	5,367.02	817.27
		For Lexan Lattice Pattern, Add	*454.79*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*933.26*	
		For Staggered Brick Pattern, Add	*1,105.29*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	7,458.76	1,049.68
		For Lexan Lattice Pattern, Add	*667.36*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,377.98*	
		For Staggered Brick Pattern, Add	*1,685.29*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	9,611.48	1,323.48
		For Lexan Lattice Pattern, Add	*877.41*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,866.59*	
		For Staggered Brick Pattern, Add	*2,080.96*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	11,485.40	1,460.00
		For Lexan Lattice Pattern, Add	*1,096.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,163.11*	
		For Staggered Brick Pattern, Add	*2,267.23*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	6,124.81	903.62
		For Lexan Lattice Pattern, Add	*531.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,088.84*	
		For Staggered Brick Pattern, Add	*1,292.92*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	8,537.63	1,160.41
		For Lexan Lattice Pattern, Add	*779.03*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,574.86*	
		For Staggered Brick Pattern, Add	*1,872.47*	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	10,991.54	1,463.03
		For Lexan Lattice Pattern, Add	*1,023.64*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,177.69*	
		For Staggered Brick Pattern, Add	*2,457.01*	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	13,140.42	1,615.47
		For Lexan Lattice Pattern, Add	*1,278.89*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,570.78*	
		For Staggered Brick Pattern, Add	*2,807.25*	

08 33 43 Overhead Coiling Smoke Curtains *(08 33)*

08 33 43 00-0001 Elevator Smoke Guard *(08 33 43)*

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	15,117.84	636.22
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	15,680.87	636.22
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	16,243.89	636.22

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 34 Special Function Doors *(08 30)*

08 34 13 Cold Storage Doors *(08 34)*

08 34 13 00-0001 Vertical Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,473.29	904.80
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*451.52*	
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	9,587.94	1,148.66
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*574.33*	

08 34 13 00-0004 Horizontal Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,003.55	722.62
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,765.86	814.86
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,744.18	1,073.88
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,231.20	656.57

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	2,999.62	427.07

08 34 16 Hangar Doors *(08 34)*

08 34 16 00-0001	SF	70' To 120' Wide X To 20' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	62.50	18.21
08 34 16 00-0002	SF	120' To 180' Wide X To 20' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	56.71	18.21
08 34 16 00-0003	SF	120' To 180' Wide X 20-40' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	56.16	3.91
08 34 16 00-0004	SF	120' To 180' Wide X 40-60' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	57.35	2.60
08 34 16 00-0005	SF	120' To 180' Wide X 60-80' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	60.08	2.60
08 34 16 00-0006	SF	120' To 180' Wide x >80' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	93.07	2.60

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,223.49	193.24
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,503.32	201.92
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,596.11	206.26
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,759.57	210.60
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,050.47	221.45
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,089.97	216.35
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,325.11	221.45
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,426.89	226.56
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,662.05	231.65
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,089.62	244.67

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,482.31	216.35
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,607.12	231.65
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,305.33	257.70
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,399.49	257.70

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,953.24	193.24
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,280.16	201.92
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,482.84	206.26
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,811.08	210.60
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,251.08	221.45

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,251.31	216.35
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,349.12	231.65
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,185.12	257.70
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,824.17	257.70

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,936.50	193.24
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,034.93	201.92
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,273.18	206.26
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,523.67	210.60
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,942.48	221.45
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,800.72	216.35
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,198.65	221.45
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,181.87	226.56
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,555.42	231.65
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,794.52	244.67
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,459.43	216.35
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,628.61	231.65
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,533.77	257.70
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,667.96	257.70
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,351.52	193.24
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,547.54	201.92
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,676.03	206.26
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,341.27	210.60
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,126.04	221.45
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,655.15	216.35
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,324.47	231.65
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,425.35	257.70
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,181.38	257.70
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)* Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,141.15	193.24
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,781.23	201.92
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,025.71	206.26
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,274.81	210.60
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,867.77	221.45
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,176.49	193.24
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,424.85	201.92
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,525.56	206.26
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,586.97	210.60
08 34 23 00-0068	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,995.54	221.45
08 34 23 00-0069	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,799.68	216.35
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,011.24	221.45
08 34 23 00-0071	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,254.13	226.56
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,387.50	231.65
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,713.27	244.67
08 34 23 00-0074		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	964.63	193.24
08 34 23 00-0076	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,158.06	201.92
08 34 23 00-0077	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,282.31	206.26
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,367.26	210.60
08 34 23 00-0079	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,587.51	221.45
08 34 23 00-0080		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,286.18	216.35
08 34 23 00-0082		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)* Note: Bilco - KD Series.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,191.33	231.65
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,077.88	257.70
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,140.65	257.70
08 34 23 00-0086		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,058.79	193.24
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,236.53	201.92
08 34 23 00-0089	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,321.54	206.26
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,445.73	210.60
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,689.52	221.45
08 34 23 00-0092		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,324.73	231.65
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,242.66	257.70
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,289.74	257.70
08 34 23 00-0096		Single Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,302.27	193.24
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,461.60	201.92
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,651.13	206.26
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,755.20	210.60
08 34 23 00-0101	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	2,011.36	210.60
08 34 23 00-0102		Double Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0103	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,690.93	216.35
08 34 23 00-0104		Basement Doors *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,745.54	244.13
08 34 23 00-0106	EA	30" High x 47" Wide x 58" Long, Basement Door	1,480.04	185.00
08 34 23 00-0107	EA	22" High x 51" Wide x 64" Long, Basement Door	1,534.03	203.44
08 34 23 00-0108	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,639.26	217.01
08 34 23 00-0109	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,813.04	244.13
08 34 49		**Radiation Shielding Doors and Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors and Frames** *(08 34 49)*		
08 34 49 13-0001		Lead Lined Doors And Frames *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	147.02	10.85
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	182.99	10.85
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	162.76	10.85
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	174.75	10.85
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		Metal Security Doors, Bullet Resistant *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	78.05	8.89
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,201.19	443.69
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	3,799.48	470.99
08 34 53 00-0005		Metal Security Doors *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	1,138.37	81.26
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	1,138.37	81.26
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,626.30	81.26
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		Pivoting Double Folding Gate *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,218.41	206.65
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,367.66	232.49
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,468.12	258.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,617.34	284.15
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,394.21	209.24
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,494.88	235.07
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,638.90	260.90
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,745.09	286.73
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,472.54	211.82
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,572.93	237.65
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,659.83	250.57
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,747.01	263.49
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,859.70	289.31
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,624.19	214.40
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,724.28	240.24
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,823.31	253.15
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,947.64	266.07
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	2,120.77	291.89
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,854.24	219.57
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,983.78	247.98
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	2,136.71	263.49
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,226.50	271.23
08 34 56 00-0024		Pivoting Single Folding Gate *(08 34 56)* Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	826.06	144.66
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	885.18	149.82
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	944.31	154.99
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,013.79	165.33
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,058.84	175.65
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	885.03	149.82
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	944.38	154.99
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,003.50	160.16
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,072.92	170.49
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,118.22	180.82
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	968.55	154.99
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,027.90	160.16
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,086.95	165.33
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,156.55	175.65
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,226.24	185.98
08 34 56 00-0040		Window Gates, Expands From 2' To 4' *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	336.36	56.83
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	346.70	62.00
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	346.70	62.00
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	358.00	67.16
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	358.00	67.16
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	368.33	72.33
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	368.33	72.33
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	378.65	77.49
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	378.65	77.49
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	389.00	82.66
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	389.00	82.66
08 34 56 00-0052		Pivoting Door Gate, Expands From 2' To 4' *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	399.33	87.83
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	402.31	87.83
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	416.59	93.00
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	430.87	98.16
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	434.82	98.16
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	449.11	103.33
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	453.06	103.33
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	466.12	108.49
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	471.29	108.49

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001 Steel Acoustical Door Assembly *(08 34 73 13)*
Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors *(08 34 73 13-0001)*
Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	4,600.85	195.30
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,685.16*	
		For Half Window Vision Lite, Add	*1,744.23*	
		For Full Window Vision Lite, Add	*1,803.30*	
		For 8' Height, Add	*572.13*	
		For 45 Minutes Fire Rated, Add	*240.90*	
		For 60 Minutes Fire Rated, Add	*361.34*	
		For 90 Minutes Fire Rated, Add	*602.24*	
		For 120 Minutes Fire Rated, Add	*843.14*	
		For 45 STC Rating, Deduct	*-1,007.75*	
		For 48 STC Rating, Deduct	*-722.69*	
		For 52 STC Rating, Add	*562.09*	
		For 55 STC Rating, Add	*1,525.68*	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	4,867.78	203.44
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,685.16*	
		For Half Window Vision Lite, Add	*1,744.23*	
		For Full Window Vision Lite, Add	*1,803.30*	
		For 8' Height, Add	*606.69*	
		For 45 Minutes Fire Rated, Add	*255.45*	
		For 60 Minutes Fire Rated, Add	*383.17*	
		For 90 Minutes Fire Rated, Add	*638.62*	
		For 120 Minutes Fire Rated, Add	*894.07*	
		For 45 STC Rating, Deduct	*-1,068.62*	
		For 48 STC Rating, Deduct	*-766.34*	
		For 52 STC Rating, Add	*596.04*	
		For 55 STC Rating, Add	*1,617.83*	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,159.12	219.72
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,685.16*	
		For Half Window Vision Lite, Add	*1,744.23*	
		For Full Window Vision Lite, Add	*1,803.30*	
		For 8' Height, Add	*641.25*	
		For 45 Minutes Fire Rated, Add	*270.00*	
		For 60 Minutes Fire Rated, Add	*405.00*	
		For 90 Minutes Fire Rated, Add	*675.00*	
		For 120 Minutes Fire Rated, Add	*944.99*	
		For 45 STC Rating, Deduct	*-1,129.49*	
		For 48 STC Rating, Deduct	*-809.99*	
		For 52 STC Rating, Add	*630.00*	
		For 55 STC Rating, Add	*1,709.99*	
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,143.12	371.08
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,370.31*	
		For Pair Half Window Vision Lites, Add	*3,488.46*	
		For Pair Full Window Vision Lites, Add	*3,606.61*	
		For 8' Height, Add	*1,144.26*	
		For 45 Minutes Fire Rated, Add	*481.79*	
		For 60 Minutes Fire Rated, Add	*722.69*	
		For 90 Minutes Fire Rated, Add	*1,204.48*	
		For 120 Minutes Fire Rated, Add	*1,686.27*	
		For 45 STC Rating, Deduct	*-2,015.50*	
		For 48 STC Rating, Deduct	*-1,445.38*	
		For 52 STC Rating, Add	*1,124.18*	
		For 55 STC Rating, Add	*3,051.35*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	9,637.91	374.33
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,370.31*	
		For Pair Half Window Vision Lites, Add	*3,488.46*	
		For Pair Full Window Vision Lites, Add	*3,606.61*	
		For 8' Height, Add	*1,213.37*	
		For 45 Minutes Fire Rated, Add	*510.89*	
		For 60 Minutes Fire Rated, Add	*766.34*	
		For 90 Minutes Fire Rated, Add	*1,277.24*	
		For 120 Minutes Fire Rated, Add	*1,788.13*	
		For 45 STC Rating, Deduct	*-2,137.24*	
		For 48 STC Rating, Deduct	*-1,532.68*	
		For 52 STC Rating, Add	*1,192.09*	
		For 55 STC Rating, Add	*3,235.67*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,172.17	122.61
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,685.16*	
		For Half Window Vision Lite, Add	*1,744.23*	
		For Full Window Vision Lite, Add	*1,803.30*	
		For 8' Height, Add	*649.37*	
		For 45 Minutes Fire Rated, Add	*273.42*	
		For 60 Minutes Fire Rated, Add	*410.13*	
		For 90 Minutes Fire Rated, Add	*683.54*	
		For 120 Minutes Fire Rated, Add	*956.96*	
		For 45 STC Rating, Deduct	*-1,143.80*	
		For 48 STC Rating, Deduct	*-820.25*	
		For 52 STC Rating, Add	*637.97*	
		For 55 STC Rating, Add	*1,731.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,472.38	213.75
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,685.16*	
		For Half Window Vision Lite, Add	*1,744.23*	
		For Full Window Vision Lite, Add	*1,803.30*	
		For 8' Height, Add	*688.59*	
		For 45 Minutes Fire Rated, Add	*289.93*	
		For 60 Minutes Fire Rated, Add	*434.90*	
		For 90 Minutes Fire Rated, Add	*724.83*	
		For 120 Minutes Fire Rated, Add	*1,014.76*	
		For 45 STC Rating, Deduct	*-1,212.88*	
		For 48 STC Rating, Deduct	*-869.80*	
		For 52 STC Rating, Add	*676.51*	
		For 55 STC Rating, Add	*1,836.24*	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,799.71	231.11
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,685.16*	
		For Half Window Vision Lite, Add	*1,744.23*	
		For Full Window Vision Lite, Add	*1,803.30*	
		For 8' Height, Add	*727.81*	
		For 45 Minutes Fire Rated, Add	*306.45*	
		For 60 Minutes Fire Rated, Add	*459.67*	
		For 90 Minutes Fire Rated, Add	*766.12*	
		For 120 Minutes Fire Rated, Add	*1,072.57*	
		For 45 STC Rating, Deduct	*-1,281.97*	
		For 48 STC Rating, Deduct	*-919.34*	
		For 52 STC Rating, Add	*715.04*	
		For 55 STC Rating, Add	*1,940.83*	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,740.47	389.52
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,370.31*	
		For Pair Half Window Vision Lites, Add	*3,488.46*	
		For Pair Full Window Vision Lites, Add	*3,606.61*	
		For 8' Height, Add	*1,221.50*	
		For 45 Minutes Fire Rated, Add	*514.31*	
		For 60 Minutes Fire Rated, Add	*771.47*	
		For 90 Minutes Fire Rated, Add	*1,285.79*	
		For 120 Minutes Fire Rated, Add	*1,800.10*	
		For 45 STC Rating, Deduct	*-2,151.55*	
		For 48 STC Rating, Deduct	*-1,542.94*	
		For 52 STC Rating, Add	*1,200.07*	
		For 55 STC Rating, Add	*3,257.32*	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	10,269.10	392.78
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,370.31*	
		For Pair Half Window Vision Lites, Add	*3,488.46*	
		For Pair Full Window Vision Lites, Add	*3,606.61*	
		For 8' Height, Add	*1,295.28*	
		For 45 Minutes Fire Rated, Add	*545.38*	
		For 60 Minutes Fire Rated, Add	*818.07*	
		For 90 Minutes Fire Rated, Add	*1,363.45*	
		For 120 Minutes Fire Rated, Add	*1,908.83*	
		For 45 STC Rating, Deduct	*-2,281.51*	
		For 48 STC Rating, Deduct	*-1,636.14*	
		For 52 STC Rating, Add	*1,272.55*	
		For 55 STC Rating, Add	*3,454.07*	

08 34 73 13-0013 Steel Acoustical Door Frames *(08 34 73 13-0001)*

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,265.82	108.50
		For 8' Height, Add	*325.66*	
		For 45 Minutes Fire Rated, Add	*198.23*	
		For 60 Minutes Fire Rated, Add	*339.82*	
		For 90 Minutes Fire Rated, Add	*481.41*	
		For 120 Minutes Fire Rated, Add	*679.63*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,346.03	108.50
		For 8' Height, Add	*334.88*	
		For 45 Minutes Fire Rated, Add	*203.84*	
		For 60 Minutes Fire Rated, Add	*349.44*	
		For 90 Minutes Fire Rated, Add	*495.04*	
		For 120 Minutes Fire Rated, Add	*698.88*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,426.25	108.50
		For 8' Height, Add	*344.11*	
		For 45 Minutes Fire Rated, Add	*209.46*	
		For 60 Minutes Fire Rated, Add	*359.07*	
		For 90 Minutes Fire Rated, Add	*508.68*	
		For 120 Minutes Fire Rated, Add	*718.14*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,506.47	108.50
		For 8' Height, Add	*353.33*	
		For 45 Minutes Fire Rated, Add	*215.07*	
		For 60 Minutes Fire Rated, Add	*368.70*	
		For 90 Minutes Fire Rated, Add	*522.32*	
		For 120 Minutes Fire Rated, Add	*737.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,727.09	119.36
		For 8' Height, Add	*373.71*	
		For 45 Minutes Fire Rated, Add	*227.48*	
		For 60 Minutes Fire Rated, Add	*389.96*	
		For 90 Minutes Fire Rated, Add	*552.45*	
		For 120 Minutes Fire Rated, Add	*779.92*	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,816.63	119.36
		For 8' Height, Add	*384.01*	
		For 45 Minutes Fire Rated, Add	*233.75*	
		For 60 Minutes Fire Rated, Add	*400.71*	
		For 90 Minutes Fire Rated, Add	*567.67*	
		For 120 Minutes Fire Rated, Add	*801.41*	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,896.85	119.36
		For 8' Height, Add	*393.24*	
		For 45 Minutes Fire Rated, Add	*239.36*	
		For 60 Minutes Fire Rated, Add	*410.33*	
		For 90 Minutes Fire Rated, Add	*581.30*	
		For 120 Minutes Fire Rated, Add	*820.67*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,996.34	119.36
		For 8' Height, Add	*404.68*	
		For 45 Minutes Fire Rated, Add	*246.33*	
		For 60 Minutes Fire Rated, Add	*422.27*	
		For 90 Minutes Fire Rated, Add	*598.22*	
		For 120 Minutes Fire Rated, Add	*844.54*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,187.19	124.77
		For 8' Height, Add	*424.13*	
		For 45 Minutes Fire Rated, Add	*258.16*	
		For 60 Minutes Fire Rated, Add	*442.57*	
		For 90 Minutes Fire Rated, Add	*626.97*	
		For 120 Minutes Fire Rated, Add	*885.14*	
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,267.40	124.77
		For 8' Height, Add	*433.35*	
		For 45 Minutes Fire Rated, Add	*263.78*	
		For 60 Minutes Fire Rated, Add	*452.19*	
		For 90 Minutes Fire Rated, Add	*640.61*	
		For 120 Minutes Fire Rated, Add	*904.39*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,347.62	124.77
		For 8' Height, Add	*442.58*	
		For 45 Minutes Fire Rated, Add	*269.40*	
		For 60 Minutes Fire Rated, Add	*461.82*	
		For 90 Minutes Fire Rated, Add	*654.25*	
		For 120 Minutes Fire Rated, Add	*923.64*	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,437.16	124.77
		For 8' Height, Add	*452.87*	
		For 45 Minutes Fire Rated, Add	*275.66*	
		For 60 Minutes Fire Rated, Add	*472.56*	
		For 90 Minutes Fire Rated, Add	*669.47*	
		For 120 Minutes Fire Rated, Add	*945.13*	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,276.24	141.05
		For 8' Height, Add	*771.88*	
		For 45 Minutes Fire Rated, Add	*469.84*	
		For 60 Minutes Fire Rated, Add	*805.44*	
		For 90 Minutes Fire Rated, Add	*1,141.04*	
		For 120 Minutes Fire Rated, Add	*1,610.88*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,352.73	141.05
		For 8' Height, Add	*780.68*	
		For 45 Minutes Fire Rated, Add	*475.20*	
		For 60 Minutes Fire Rated, Add	*814.62*	
		For 90 Minutes Fire Rated, Add	*1,154.05*	
		For 120 Minutes Fire Rated, Add	*1,629.24*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,434.81	141.05
		For 8' Height, Add	*790.12*	
		For 45 Minutes Fire Rated, Add	*480.94*	
		For 60 Minutes Fire Rated, Add	*824.47*	
		For 90 Minutes Fire Rated, Add	*1,168.00*	
		For 120 Minutes Fire Rated, Add	*1,648.94*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,518.75	141.05
		For 8' Height, Add	*799.77*	
		For 45 Minutes Fire Rated, Add	*486.82*	
		For 60 Minutes Fire Rated, Add	*834.54*	
		For 90 Minutes Fire Rated, Add	*1,182.27*	
		For 120 Minutes Fire Rated, Add	*1,669.09*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,801.33	146.48
		For 8' Height, Add	*829.77*	
		For 45 Minutes Fire Rated, Add	*505.08*	
		For 60 Minutes Fire Rated, Add	*865.85*	
		For 90 Minutes Fire Rated, Add	*1,226.62*	
		For 120 Minutes Fire Rated, Add	*1,731.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,883.55	146.48
		For 8' Height, Add	*839.23*	
		For 45 Minutes Fire Rated, Add	*510.83*	
		For 60 Minutes Fire Rated, Add	*875.72*	
		For 90 Minutes Fire Rated, Add	*1,240.60*	
		For 120 Minutes Fire Rated, Add	*1,751.43*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,971.79	146.48
		For 8' Height, Add	*849.38*	
		For 45 Minutes Fire Rated, Add	*517.01*	
		For 60 Minutes Fire Rated, Add	*886.31*	
		For 90 Minutes Fire Rated, Add	*1,255.60*	
		For 120 Minutes Fire Rated, Add	*1,772.61*	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,062.03	146.48
		For 8' Height, Add	*859.75*	
		For 45 Minutes Fire Rated, Add	*528.33*	
		For 60 Minutes Fire Rated, Add	*897.13*	
		For 90 Minutes Fire Rated, Add	*1,270.94*	
		For 120 Minutes Fire Rated, Add	*1,794.27*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,580.46	108.50
		For 8' Height, Add	*361.84*	
		For 45 Minutes Fire Rated, Add	*220.25*	
		For 60 Minutes Fire Rated, Add	*377.57*	
		For 90 Minutes Fire Rated, Add	*534.90*	
		For 120 Minutes Fire Rated, Add	*755.15*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,669.59	108.50
		For 8' Height, Add	*372.09*	
		For 45 Minutes Fire Rated, Add	*226.49*	
		For 60 Minutes Fire Rated, Add	*388.27*	
		For 90 Minutes Fire Rated, Add	*550.05*	
		For 120 Minutes Fire Rated, Add	*776.54*	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,758.72	108.50
		For 8' Height, Add	*382.34*	
		For 45 Minutes Fire Rated, Add	*232.73*	
		For 60 Minutes Fire Rated, Add	*398.97*	
		For 90 Minutes Fire Rated, Add	*565.20*	
		For 120 Minutes Fire Rated, Add	*797.93*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,847.85	108.50
		For 8' Height, Add	*392.59*	
		For 45 Minutes Fire Rated, Add	*238.97*	
		For 60 Minutes Fire Rated, Add	*409.66*	
		For 90 Minutes Fire Rated, Add	*580.35*	
		For 120 Minutes Fire Rated, Add	*819.32*	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,088.16	119.36
		For 8' Height, Add	*415.24*	
		For 45 Minutes Fire Rated, Add	*252.75*	
		For 60 Minutes Fire Rated, Add	*433.29*	
		For 90 Minutes Fire Rated, Add	*613.83*	
		For 120 Minutes Fire Rated, Add	*866.58*	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,187.66	119.36
		For 8' Height, Add	*426.68*	
		For 45 Minutes Fire Rated, Add	*259.72*	
		For 60 Minutes Fire Rated, Add	*445.23*	
		For 90 Minutes Fire Rated, Add	*630.74*	
		For 120 Minutes Fire Rated, Add	*890.46*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,276.78	119.36
		For 8' Height, Add	*436.93*	
		For 45 Minutes Fire Rated, Add	*265.96*	
		For 60 Minutes Fire Rated, Add	*455.92*	
		For 90 Minutes Fire Rated, Add	*645.89*	
		For 120 Minutes Fire Rated, Add	*911.85*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,387.33	119.36
		For 8' Height, Add	*449.64*	
		For 45 Minutes Fire Rated, Add	*273.69*	
		For 60 Minutes Fire Rated, Add	*469.19*	
		For 90 Minutes Fire Rated, Add	*664.69*	
		For 120 Minutes Fire Rated, Add	*938.38*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,596.97	124.77
		For 8' Height, Add	*471.25*	
		For 45 Minutes Fire Rated, Add	*286.85*	
		For 60 Minutes Fire Rated, Add	*491.74*	
		For 90 Minutes Fire Rated, Add	*696.63*	
		For 120 Minutes Fire Rated, Add	*983.48*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,686.10	124.77
		For 8' Height, Add	*481.50*	
		For 45 Minutes Fire Rated, Add	*293.09*	
		For 60 Minutes Fire Rated, Add	*502.44*	
		For 90 Minutes Fire Rated, Add	*711.79*	
		For 120 Minutes Fire Rated, Add	*1,004.88*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,775.23	124.77
		For 8' Height, Add	*491.75*	
		For 45 Minutes Fire Rated, Add	*299.33*	
		For 60 Minutes Fire Rated, Add	*513.13*	
		For 90 Minutes Fire Rated, Add	*726.94*	
		For 120 Minutes Fire Rated, Add	*1,026.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,874.72	124.77
		For 8' Height, Add	*503.19*	
		For 45 Minutes Fire Rated, Add	*306.29*	
		For 60 Minutes Fire Rated, Add	*525.07*	
		For 90 Minutes Fire Rated, Add	*743.85*	
		For 120 Minutes Fire Rated, Add	*1,050.14*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,022.02	141.05
		For 8' Height, Add	*857.65*	
		For 45 Minutes Fire Rated, Add	*522.05*	
		For 60 Minutes Fire Rated, Add	*894.94*	
		For 90 Minutes Fire Rated, Add	*1,267.83*	
		For 120 Minutes Fire Rated, Add	*1,789.87*	
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,107.00	141.05
		For 8' Height, Add	*867.42*	
		For 45 Minutes Fire Rated, Add	*527.99*	
		For 60 Minutes Fire Rated, Add	*905.13*	
		For 90 Minutes Fire Rated, Add	*1,282.27*	
		For 120 Minutes Fire Rated, Add	*1,810.27*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,198.21	141.05
		For 8' Height, Add	*877.91*	
		For 45 Minutes Fire Rated, Add	*534.38*	
		For 60 Minutes Fire Rated, Add	*916.08*	
		For 90 Minutes Fire Rated, Add	*1,297.78*	
		For 120 Minutes Fire Rated, Add	*1,832.16*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,291.48	141.05
		For 8' Height, Add	*888.63*	
		For 45 Minutes Fire Rated, Add	*540.91*	
		For 60 Minutes Fire Rated, Add	*927.27*	
		For 90 Minutes Fire Rated, Add	*1,313.63*	
		For 120 Minutes Fire Rated, Add	*1,854.54*	
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,603.05	146.48
		For 8' Height, Add	*921.97*	
		For 45 Minutes Fire Rated, Add	*561.20*	
		For 60 Minutes Fire Rated, Add	*962.06*	
		For 90 Minutes Fire Rated, Add	*1,362.91*	
		For 120 Minutes Fire Rated, Add	*1,924.11*	
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,694.40	146.48
		For 8' Height, Add	*932.48*	
		For 45 Minutes Fire Rated, Add	*567.59*	
		For 60 Minutes Fire Rated, Add	*973.02*	
		For 90 Minutes Fire Rated, Add	*1,378.44*	
		For 120 Minutes Fire Rated, Add	*1,946.04*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,792.45	146.48
		For 8' Height, Add	*943.75*	
		For 45 Minutes Fire Rated, Add	*574.46*	
		For 60 Minutes Fire Rated, Add	*984.78*	
		For 90 Minutes Fire Rated, Add	*1,395.11*	
		For 120 Minutes Fire Rated, Add	*1,969.57*	
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,892.71	146.48
		For 8' Height, Add	*955.28*	
		For 45 Minutes Fire Rated, Add	*581.48*	
		For 60 Minutes Fire Rated, Add	*996.82*	
		For 90 Minutes Fire Rated, Add	*1,412.16*	
		For 120 Minutes Fire Rated, Add	*1,993.63*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,507.96	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,704.55	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	2,813.76	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	2,922.98	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,403.52	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	4,451.99	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated)	4,655.13	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated)	5,467.69	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	6,073.83	303.80
		Note: Includes the prefinished door, frame, hinges and seals.		

08 35 Folding Doors *(08 30)*

08 35 13 Folding Doors *(08 35)*

08 35 13 13 Accordion Folding Doors *(08 35 13)*

08 35 13 13-0001 Accordion Folding Doors *(08 35 13 13)*

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	94.75	10.85
		For Fire Retardant, Add	*21.25*	
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	18.40	10.85
		For Fire Retardant, Add	*2.16*	
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	42.31	10.85
		For Fire Retardant, Add	*8.14*	
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High Density Engineered Wood Core Panel, Accordion Folding Door	60.35	10.85
		For Fire Retardant, Add	*12.65*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1065 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	2,721.21	434.01
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,375.01	481.75
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,300.53	577.23
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,172.75	668.38
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	6,657.28	868.02
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	6,380.71	1,085.03
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	11,565.79	1,446.34

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,403.66	217.01
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*446.44*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,199.18	217.01
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*478.70*	
		For Each Glass Vision Panel In Door, Add	*50.00*	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) *(08 36 13)*

Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0015		Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,812.85	379.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*152.73*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*263.33*	
		For Aluminum, Mill Finish, Add	*120.08*	
		For Aluminum, Anodized Finish, Add	*336.01*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,139.63	434.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*184.38*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*317.90*	
		For Aluminum, Mill Finish, Add	*144.96*	
		For Aluminum, Anodized Finish, Add	*405.64*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,639.76	542.51
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*225.44*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*388.68*	
		For Aluminum, Mill Finish, Add	*177.24*	
		For Aluminum, Anodized Finish, Add	*495.96*	
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,042.42	434.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*170.29*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*293.60*	
		For Aluminum, Mill Finish, Add	*133.88*	
		For Aluminum, Anodized Finish, Add	*374.63*	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,515.25	542.51
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*207.38*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*357.56*	
		For Aluminum, Mill Finish, Add	*163.05*	
		For Aluminum, Anodized Finish, Add	*456.24*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,159.69	705.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*253.63*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*437.29*	
		For Aluminum, Mill Finish, Add	*199.40*	
		For Aluminum, Anodized Finish, Add	*557.98*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,727.39	868.02
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*288.75*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*497.84*	
		For Aluminum, Mill Finish, Add	*227.01*	
		For Aluminum, Anodized Finish, Add	*635.24*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,433.41	542.51
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*195.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*337.10*	
		For Aluminum, Mill Finish, Add	*153.72*	
		For Aluminum, Anodized Finish, Add	*430.13*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,036.90	705.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*235.82*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*406.59*	
		For Aluminum, Mill Finish, Add	*185.41*	
		For Aluminum, Anodized Finish, Add	*518.81*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,705.20	868.02
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*285.53*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*492.29*	
		For Aluminum, Mill Finish, Add	*224.48*	
		For Aluminum, Anodized Finish, Add	*628.16*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,370.12	1,030.77
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*334.74*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*577.14*	
		For Aluminum, Mill Finish, Add	*263.18*	
		For Aluminum, Anodized Finish, Add	*736.43*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,211.74	1,247.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*393.85*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*679.05*	
		For Aluminum, Mill Finish, Add	*309.65*	
		For Aluminum, Anodized Finish, Add	*866.46*	
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,874.88	705.27
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*212.33*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*366.09*	
		For Aluminum, Mill Finish, Add	*166.94*	
		For Aluminum, Anodized Finish, Add	*467.13*	
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,536.37	868.02
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*261.05*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*450.08*	
		For Aluminum, Mill Finish, Add	*205.24*	
		For Aluminum, Anodized Finish, Add	*574.31*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,360.93	1,085.03
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*317.68*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*547.72*	
		For Aluminum, Mill Finish, Add	*249.76*	
		For Aluminum, Anodized Finish, Add	*698.89*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,029.25	1,247.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*367.39*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*633.43*	
		For Aluminum, Mill Finish, Add	*288.84*	
		For Aluminum, Anodized Finish, Add	*808.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,787.95	1,410.53
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*430.20*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*741.72*	
		For Aluminum, Mill Finish, Add	*338.23*	
		For Aluminum, Anodized Finish, Add	*946.44*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,476.66	868.02
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*252.39*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*435.16*	
		For Aluminum, Mill Finish, Add	*198.43*	
		For Aluminum, Anodized Finish, Add	*555.26*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,297.82	1,085.03
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*308.53*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*531.94*	
		For Aluminum, Mill Finish, Add	*242.57*	
		For Aluminum, Anodized Finish, Add	*678.76*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,061.63	1,247.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*372.08*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*641.52*	
		For Aluminum, Mill Finish, Add	*292.53*	
		For Aluminum, Anodized Finish, Add	*818.58*	
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,043.77	1,410.53
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*467.29*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*805.68*	
		For Aluminum, Mill Finish, Add	*367.39*	
		For Aluminum, Anodized Finish, Add	*1,028.04*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,042.31	1,627.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*549.15*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*946.81*	
		For Aluminum, Mill Finish, Add	*431.74*	
		For Aluminum, Anodized Finish, Add	*1,208.12*	
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,429.17	1,085.03
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*327.57*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*564.78*	
		For Aluminum, Mill Finish, Add	*257.54*	
		For Aluminum, Anodized Finish, Add	*720.66*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,297.01	1,247.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*406.21*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*700.37*	
		For Aluminum, Mill Finish, Add	*319.37*	
		For Aluminum, Anodized Finish, Add	*893.67*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,418.97	1,410.53
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*521.70*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*899.48*	
		For Aluminum, Mill Finish, Add	*410.16*	
		For Aluminum, Anodized Finish, Add	*1,147.73*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,419.23	1,627.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*603.80*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,041.04*	
		For Aluminum, Mill Finish, Add	*474.71*	
		For Aluminum, Anodized Finish, Add	*1,328.36*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,525.23	1,844.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*701.24*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,209.03*	
		For Aluminum, Mill Finish, Add	*551.32*	
		For Aluminum, Anodized Finish, Add	*1,542.72*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,029.25	1,247.78
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*367.39*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*633.43*	
		For Aluminum, Mill Finish, Add	*288.84*	
		For Aluminum, Anodized Finish, Add	*808.25*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,897.10	1,410.53
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*446.03*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*769.01*	
		For Aluminum, Mill Finish, Add	*350.67*	
		For Aluminum, Anodized Finish, Add	*981.26*	
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,287.91	1,627.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*584.76*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,008.21*	
		For Aluminum, Mill Finish, Add	*459.74*	
		For Aluminum, Anodized Finish, Add	*1,286.47*	
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,288.16	1,844.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*666.86*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,149.76*	
		For Aluminum, Mill Finish, Add	*524.29*	
		For Aluminum, Anodized Finish, Add	*1,467.10*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,253.71	2,061.55
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*888.93*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,532.65*	
		For Aluminum, Mill Finish, Add	*698.89*	
		For Aluminum, Anodized Finish, Add	*1,955.66*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,596.92	1,410.53
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*402.50*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*693.97*	
		For Aluminum, Mill Finish, Add	*316.45*	
		For Aluminum, Anodized Finish, Add	*885.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,921.24	1,627.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*531.59*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*916.54*	
		For Aluminum, Mill Finish, Add	*417.94*	
		For Aluminum, Anodized Finish, Add	*1,169.50*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,211.41	1,844.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*655.73*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,130.58*	
		For Aluminum, Mill Finish, Add	*515.54*	
		For Aluminum, Anodized Finish, Add	*1,442.61*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,702.84	2,061.55
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*809.06*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,394.93*	
		For Aluminum, Mill Finish, Add	*636.09*	
		For Aluminum, Anodized Finish, Add	*1,779.93*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,946.91	2,278.56
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*926.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,597.46*	
		For Aluminum, Mill Finish, Add	*728.44*	
		For Aluminum, Anodized Finish, Add	*2,038.35*	
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,196.40	1,627.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*426.49*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*735.33*	
		For Aluminum, Mill Finish, Add	*335.31*	
		For Aluminum, Anodized Finish, Add	*938.28*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,573.54	1,844.54
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*563.24*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*971.11*	
		For Aluminum, Mill Finish, Add	*442.83*	
		For Aluminum, Anodized Finish, Add	*1,239.13*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,245.77	2,061.55
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*742.78*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,280.66*	
		For Aluminum, Mill Finish, Add	*583.98*	
		For Aluminum, Anodized Finish, Add	*1,634.12*	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,339.76	2,278.56
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*838.49*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,445.67*	
		For Aluminum, Mill Finish, Add	*659.22*	
		For Aluminum, Anodized Finish, Add	*1,844.67*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,614.59	2,495.56
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*960.40*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,655.87*	
		For Aluminum, Mill Finish, Add	*755.08*	
		For Aluminum, Anodized Finish, Add	*2,112.89*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,314.75	379.76
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*194.40*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*388.81*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,010.90*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,944.04*	
		For Aluminum, Mill Finish, Add	*177.30*	
		For Aluminum, Anodized Finish, Add	*496.12*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,762.60	434.01
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*236.82*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*473.65*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,231.48*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,368.23*	
		For Aluminum, Mill Finish, Add	*215.98*	
		For Aluminum, Anodized Finish, Add	*604.37*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,391.30	542.51
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*288.28*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*576.57*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,499.08*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,882.84*	
		For Aluminum, Mill Finish, Add	*262.91*	
		For Aluminum, Anodized Finish, Add	*735.70*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,693.42	434.01
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*228.18*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*456.35*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,186.51*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,281.75*	
		For Aluminum, Mill Finish, Add	*208.10*	
		For Aluminum, Anodized Finish, Add	*582.30*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,306.08	542.51
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*277.63*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*555.26*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,443.68*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,776.31*	
		For Aluminum, Mill Finish, Add	*253.20*	
		For Aluminum, Anodized Finish, Add	*708.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,199.27	705.27
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*348.59*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*697.19*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,812.68*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,485.93*	
		For Aluminum, Mill Finish, Add	*317.92*	
		For Aluminum, Anodized Finish, Add	*889.61*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,862.53	868.02
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*390.81*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*781.62*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,032.22*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,908.11*	
		For Aluminum, Mill Finish, Add	*356.42*	
		For Aluminum, Anodized Finish, Add	*997.35*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,175.81	542.51
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*261.35*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*522.70*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,359.01*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,613.48*	
		For Aluminum, Mill Finish, Add	*238.35*	
		For Aluminum, Anodized Finish, Add	*666.96*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,953.23	705.27
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*317.84*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*635.68*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,652.76*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,178.38*	
		For Aluminum, Mill Finish, Add	*289.87*	
		For Aluminum, Anodized Finish, Add	*811.12*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,819.12	868.02
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*385.39*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*770.77*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,004.00*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,853.85*	
		For Aluminum, Mill Finish, Add	*351.47*	
		For Aluminum, Anodized Finish, Add	*983.50*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,631.92	1,030.77
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*446.30*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*892.59*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,320.74*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,462.96*	
		For Aluminum, Mill Finish, Add	*407.02*	
		For Aluminum, Anodized Finish, Add	*1,138.95*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,837.89	1,247.78
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*542.79*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,085.59*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,822.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,427.93*	
		For Aluminum, Mill Finish, Add	*495.03*	
		For Aluminum, Anodized Finish, Add	*1,385.21*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,761.85	705.27
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*293.92*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*587.83*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,528.36*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,939.15*	
		For Aluminum, Mill Finish, Add	*268.05*	
		For Aluminum, Anodized Finish, Add	*750.07*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,666.33	868.02
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*366.29*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*732.57*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,904.69*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,662.86*	
		For Aluminum, Mill Finish, Add	*334.05*	
		For Aluminum, Anodized Finish, Add	*934.76*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,671.27	1,085.03
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*437.65*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*875.31*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,275.79*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,376.53*	
		For Aluminum, Mill Finish, Add	*399.14*	
		For Aluminum, Anodized Finish, Add	*1,116.89*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,689.92	1,247.78
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*524.30*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,048.59*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,726.34*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,242.96*	
		For Aluminum, Mill Finish, Add	*478.16*	
		For Aluminum, Anodized Finish, Add	*1,338.00*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,682.86	1,410.53
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*607.73*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,215.45*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,160.17*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,077.25*	
		For Aluminum, Mill Finish, Add	*554.25*	
		For Aluminum, Anodized Finish, Add	*1,550.91*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,500.68	868.02
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*345.58*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*691.16*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,797.02*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,455.80*	
		For Aluminum, Mill Finish, Add	*315.17*	
		For Aluminum, Anodized Finish, Add	*881.92*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,799.93	1,085.03
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*453.74*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*907.47*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,359.42*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,537.35*	
		For Aluminum, Mill Finish, Add	*413.81*	
		For Aluminum, Anodized Finish, Add	*1,157.93*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,776.77	1,247.78
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*535.15*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,070.31*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,782.79*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,351.53*	
		For Aluminum, Mill Finish, Add	*488.06*	
		For Aluminum, Anodized Finish, Add	*1,365.71*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,760.04	1,410.53
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*617.37*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,234.75*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,210.34*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,173.73*	
		For Aluminum, Mill Finish, Add	*563.04*	
		For Aluminum, Anodized Finish, Add	*1,575.53*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,184.76	1,627.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*741.21*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,482.42*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,854.29*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*7,412.09*	
		For Aluminum, Mill Finish, Add	*675.98*	
		For Aluminum, Anodized Finish, Add	*1,891.56*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,175.92	1,085.03
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*375.73*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*751.47*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,953.82*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,757.34*	
		For Aluminum, Mill Finish, Add	*342.67*	
		For Aluminum, Anodized Finish, Add	*958.87*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,434.20	1,247.78
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*492.33*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*984.66*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,560.12*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,923.31*	
		For Aluminum, Mill Finish, Add	*449.01*	
		For Aluminum, Anodized Finish, Add	*1,256.43*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,476.98	1,410.53
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*581.99*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,163.98*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,026.35*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,819.90*	
		For Aluminum, Mill Finish, Add	*530.77*	
		For Aluminum, Anodized Finish, Add	*1,485.24*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,348.80	1,627.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*761.71*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,523.43*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,960.91*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*7,617.14*	
		For Aluminum, Mill Finish, Add	*694.68*	
		For Aluminum, Anodized Finish, Add	*1,943.89*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,231.52	1,844.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*817.80*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,635.60*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,252.57*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,178.01*	
		For Aluminum, Mill Finish, Add	*745.83*	
		For Aluminum, Anodized Finish, Add	*2,087.03*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,403.64	1,247.78
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*488.51*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*977.02*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,540.26*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,885.11*	
		For Aluminum, Mill Finish, Add	*445.52*	
		For Aluminum, Anodized Finish, Add	*1,246.68*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,547.77	1,410.53
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*590.84*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,181.68*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,072.36*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,908.39*	
		For Aluminum, Mill Finish, Add	*538.84*	
		For Aluminum, Anodized Finish, Add	*1,507.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,678.48	1,627.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*802.92*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,605.85*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,175.20*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,029.24*	
		For Aluminum, Mill Finish, Add	*732.27*	
		For Aluminum, Anodized Finish, Add	*2,049.06*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,525.83	1,844.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*854.59*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,709.18*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,443.87*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,545.90*	
		For Aluminum, Mill Finish, Add	*779.39*	
		For Aluminum, Anodized Finish, Add	*2,180.91*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,241.63	2,061.55
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,014.81*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,029.63*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,277.03*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*10,148.13*	
		For Aluminum, Mill Finish, Add	*925.51*	
		For Aluminum, Anodized Finish, Add	*2,589.80*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,018.64	1,410.53
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*524.70*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,049.40*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,728.43*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,246.98*	
		For Aluminum, Mill Finish, Add	*478.52*	
		For Aluminum, Anodized Finish, Add	*1,339.03*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,697.46	1,627.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*680.30*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,360.59*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,537.54*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,802.96*	
		For Aluminum, Mill Finish, Add	*620.43*	
		For Aluminum, Anodized Finish, Add	*1,736.12*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,348.94	1,844.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*832.48*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,664.96*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,328.89*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,324.79*	
		For Aluminum, Mill Finish, Add	*759.22*	
		For Aluminum, Anodized Finish, Add	*2,124.49*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,632.10	2,061.55
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*938.62*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,877.24*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,880.83*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*9,386.21*	
		For Aluminum, Mill Finish, Add	*856.02*	
		For Aluminum, Anodized Finish, Add	*2,395.36*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,283.51	2,278.56
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,090.80*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,181.61*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,672.17*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*10,908.03*	
		For Aluminum, Mill Finish, Add	*994.81*	
		For Aluminum, Anodized Finish, Add	*2,783.73*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,808.09	1,627.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*569.13*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,138.25*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,959.45*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,691.25*	
		For Aluminum, Mill Finish, Add	*519.04*	
		For Aluminum, Anodized Finish, Add	*1,452.41*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,665.44	1,844.54
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*747.04*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,494.08*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*3,884.61*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*7,470.41*	
		For Aluminum, Mill Finish, Add	*681.30*	
		For Aluminum, Anodized Finish, Add	*1,906.45*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,225.23	2,061.55
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*887.76*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,775.53*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*4,616.37*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*8,877.63*	
		For Aluminum, Mill Finish, Add	*809.64*	
		For Aluminum, Anodized Finish, Add	*2,265.57*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,879.86	2,278.56
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,040.35*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,080.69*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*5,409.80*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*10,403.46*	
		For Aluminum, Mill Finish, Add	*948.80*	
		For Aluminum, Anodized Finish, Add	*2,654.96*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,507.20	2,495.56
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	*1,189.51*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*2,379.02*	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	*6,185.46*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*11,895.11*	
		For Aluminum, Mill Finish, Add	*1,084.83*	
		For Aluminum, Anodized Finish, Add	*3,035.63*	
08 36 13 00-0101		**Residential Grade, Galvanized Steel Sectional Overhead Doors** *(08 36 13 00-0013)*		
		Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,021.24	217.01
		For Aluminum And Fiberglass, Add	*148.41*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*253.73*	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,107.15	217.01
		For Aluminum And Fiberglass, Add	*175.04*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*299.26*	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,411.01	248.25
		For Aluminum And Fiberglass, Add	*245.43*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*419.60*	
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,546.01	248.25
		For Aluminum And Fiberglass, Add	*287.28*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*491.15*	
08 36 13 00-0106		**Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports** *(08 36 13 00-0013)*		
		Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	15.52	
08 36 13 00-0108		**Sectional Fiberglass Overhead Doors (Width x Height)** *(08 36 13)*		
08 36 13 00-0109		**Fiberglass Sectional Overhead Doors** *(08 36 13 00-0108)*		
08 36 13 00-0110		**Non-Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,199.54	379.76
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,603.98	434.01
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,093.35	542.51
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,575.56	434.01
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,060.55	488.26
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,845.36	678.15
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,634.29	868.02
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,053.09	542.51
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,828.79	678.15
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,594.69	813.77
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,630.14	1,085.03
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,563.03	1,302.03
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,747.36	759.52
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,534.82	868.02
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,544.88	1,085.03
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,553.55	1,302.03
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,347.90	1,410.53
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,257.73	868.02
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,100.36	976.52
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,174.73	1,193.53
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,236.59	1,410.53
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,082.06	1,519.03
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,674.71	379.76
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,176.85	434.01
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,756.09	542.51
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,139.05	434.01
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,748.31	488.26
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,666.76	678.15
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,590.89	868.02
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,702.55	542.51
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,644.71	678.15
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,573.96	813.77
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,771.96	1,085.03
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	7,869.76	1,302.03
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,482.79	759.52
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,458.60	868.02
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	6,658.57	1,085.03
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	7,857.16	1,302.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,842.20	1,410.53
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,090.07	868.02
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,139.03	976.52
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,424.41	1,193.53
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,694.16	1,410.53
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,746.74	1,519.03
08 36 13 00-0156		Sectional Overhead Door Accessories *(08 36 13)*		
08 36 13 00-0157		Sectional Overhead Door Accessories *(08 36 13 00-0156)*		
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	3.85	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	5.51	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	3.18	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	322.63	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	637.20	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,590.34	
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,188.95	
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,540.21	
		For Door Height >12', Add	*10.00*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	38.13	
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	23.78	
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	39.86	
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	27.18	
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	64.13	
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	43.28	
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	582.21	
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	907.21	
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,339.92	
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.76	
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.27	
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.00	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	21.73	6.51
		For Cooler/Freezer Doors, USDA Grade, Add	*0.76*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.60*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	30.28	8.68
		For Cooler/Freezer Doors, USDA Grade, Add	*1.08*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.26*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	19.37	5.43
		For Cooler/Freezer Doors, USDA Grade, Add	*0.96*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.02*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	25.08	5.97
		For Cooler/Freezer Doors, USDA Grade, Add	*1.21*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.53*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	20.89	5.43
		For Cooler/Freezer Doors, USDA Grade, Add	*1.22*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.56*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	64.94	30.60
		For Cooler/Freezer Doors, USDA Grade, Add	*1.50*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.16*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	67.05	30.60
		For Cooler/Freezer Doors, USDA Grade, Add	*1.71*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.60*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	96.99	37.87
		For Cooler/Freezer Doors, USDA Grade, Add	*3.51*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*7.38*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	104.12	37.87
		For Cooler/Freezer Doors, USDA Grade, Add	*4.23*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*8.88*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	110.82	37.87
		For Cooler/Freezer Doors, USDA Grade, Add	*4.90*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*10.28*	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	192.01	38.62
		For Cooler/Freezer Doors, USDA Grade, Add	*11.47*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*24.09*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,704.80	108.50
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,262.49	108.50
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	15,295.54	124.77
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	17,172.14	135.63
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	26,823.36	135.63
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	28,071.88	135.63
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	31,224.40	162.75

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,481.18	108.50
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	8,102.23	108.50
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	18,155.29	124.77
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	20,019.19	135.63
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	30,088.54	135.63
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	31,358.55	135.63
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	34,880.91	162.75

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,891.15	59.67
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,124.63	59.67

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,124.63	59.67
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,190.49	59.67

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	5,749.75	103.08
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	6,216.71	103.08
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	6,216.71	103.08
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	6,348.41	103.08

08 38 19 Rigid Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,364.56	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,472.32	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,519.66	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,585.51	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,656.81	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,800.49	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,858.65	73.24
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,550.15	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,633.96	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,687.28	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,735.18	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,902.27	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,938.19	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,990.36	73.24
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,696.56	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,912.08	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,995.89	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,127.60	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,270.20	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,557.56	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,641.37	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,067.73	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,235.36	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,331.15	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,426.93	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,761.10	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,832.94	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,904.78	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0038		84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,466.10	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,747.48	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,866.65	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,986.38	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,027.75	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,273.21	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,510.96	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,552.87	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,705.57	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,998.91	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,118.09	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,267.76	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,380.97	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,620.43	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,732.47	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,882.13	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,899.65	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,462.39	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,689.88	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,929.35	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,012.08	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,502.98	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,945.99	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,029.81	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,378.58	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,965.27	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,192.76	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,492.09	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,718.50	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,197.43	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,389.00	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,688.34	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,022.22	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,440.90	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,557.98	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,599.85	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,647.17	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,037.94	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,375.18	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,424.03	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0086		96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*		
08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,112.93	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,629.31	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,753.37	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,809.19	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,828.60	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,114.70	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,444.96	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,500.79	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0095		Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*		
08 38 19 00-0096		84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*		
08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,011.87	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,849.24	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,072.54	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,156.28	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,250.90	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,032.45	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,674.43	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,772.12	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0105		96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*		
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,193.30	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,226.06	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,463.31	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,574.96	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,613.76	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,185.97	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,813.99	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,925.64	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,328.18	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,645.47	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,734.71	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,812.54	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,949.70	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,099.36	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,235.35	73.24
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,337.12	73.24
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,597.58	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,932.83	59.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,028.06	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,069.97	62.39
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,195.15	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,392.71	65.10
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,504.74	73.24
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,606.52	73.24
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0134		Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0135		84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	6,623.80	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,258.38	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,426.01	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,581.66	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,855.96	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,155.29	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,394.76	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,598.31	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,162.60	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,833.10	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,012.70	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,096.51	103.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,346.87	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,741.99	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,933.56	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,137.10	108.50
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)* Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,268.31	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,441.93	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,603.01	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,704.78	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,961.67	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,165.22	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,343.10	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,534.68	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0164		90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,388.05	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,597.58	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,704.78	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,848.46	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,123.31	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,368.76	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,534.68	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,714.28	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0173		96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,693.36	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,735.27	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,914.31	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,046.02	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,326.85	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,620.20	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,774.14	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,953.74	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0182		Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0183		84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,504.07	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,851.29	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,162.60	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,366.14	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,879.91	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,287.00	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,610.28	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,993.42	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,743.53	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,162.60	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,366.14	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,653.50	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,203.19	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,694.09	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,993.42	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,352.62	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0201		96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,354.17	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,437.98	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,785.21	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,048.62	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,610.28	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,196.97	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,472.36	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,831.55	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,268.31	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,441.93	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,603.01	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,704.78	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,961.67	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,165.22	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,343.10	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,534.68	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,388.05	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,597.58	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,704.78	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,848.46	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,123.31	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,368.76	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,534.68	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,714.28	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,693.36	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,735.27	59.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,914.31	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,046.02	62.39
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,326.85	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,620.20	65.10
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,774.14	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,953.74	73.24
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0240		84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,504.07	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,851.29	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,162.60	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,366.14	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,879.91	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,287.00	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,610.28	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,993.42	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0249		90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,743.53	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,162.60	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,366.14	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,653.50	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,203.19	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,694.09	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,993.42	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,352.62	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0258		96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,354.17	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,437.98	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,785.21	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,048.62	103.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,610.28	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,196.97	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,472.36	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,831.55	108.50
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0267 Rigid Impact Traffic Door Accessories *(08 38 19)*

08 38 19 00-0268 Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	264.91	43.40
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	294.84	43.40
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	318.79	43.40
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	360.69	43.40

08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	749.82	43.40
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,001.26	43.40
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,486.18	43.40
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,719.66	43.40
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	1,959.12	43.40

08 38 19 00-0279 Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two 0.090" thermoplastic plates per set.

08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	318.79	43.40
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	342.73	43.40
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	372.67	43.40
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	414.57	43.40
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	438.52	43.40

08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	438.52	43.40
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	546.28	43.40
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	606.14	43.40
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	689.96	43.40
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	743.84	43.40

08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	546.28	43.40
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	642.06	43.40
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	713.90	43.40
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	845.61	43.40
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	935.41	43.40

08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	606.14	43.40
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	713.90	43.40
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	833.64	43.40
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	899.49	43.40
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,001.26	43.40

08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	743.84	43.40
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	935.41	43.40
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,001.26	43.40
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,126.98	43.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,264.67	43.40
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	306.81	43.40
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	330.76	43.40
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	342.73	43.40
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	396.61	43.40
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	420.56	43.40
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	396.61	43.40
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	432.53	43.40
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	468.45	43.40
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	498.38	43.40
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	546.28	43.40
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	456.48	43.40
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	486.41	43.40
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	558.25	43.40
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	636.08	43.40
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	672.00	43.40
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	486.41	43.40
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	546.28	43.40
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	636.08	43.40
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	707.92	43.40
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	749.82	43.40
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	624.10	43.40
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	707.92	43.40
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	821.66	43.40
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	875.54	43.40
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	947.38	43.40
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	414.57	43.40
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	438.52	43.40
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	510.36	43.40
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	546.28	43.40
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	648.05	43.40
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	582.20	43.40
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	689.96	43.40
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	797.72	43.40
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	929.42	43.40
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,049.16	43.40
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	666.01	43.40
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	809.69	43.40
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	941.40	43.40
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,079.09	43.40
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,240.73	43.40
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	773.77	43.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	929.42	43.40
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,109.02	43.40
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,282.63	43.40
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,432.30	43.40
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	965.34	43.40
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,336.51	43.40
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,432.30	43.40
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,719.66	43.40
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,887.29	43.40
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	366.68	43.40
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	396.61	43.40
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	432.53	43.40
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	474.44	43.40
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	540.29	43.40
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	498.38	43.40
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	570.22	43.40
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	642.06	43.40
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	719.89	43.40
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	809.69	43.40
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	570.22	43.40
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	660.02	43.40
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	761.80	43.40
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	887.52	43.40
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	971.33	43.40
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	642.06	43.40
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	761.80	43.40
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	887.52	43.40
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,013.24	43.40
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,103.04	43.40
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	809.69	43.40
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	995.28	43.40
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,103.04	43.40
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,318.55	43.40
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,378.42	43.40
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	503.25	54.25
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	682.85	54.25
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,341.38	54.25
08 38 19 00-0408		Other Impact Traffic Door Accessories *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	122.91	27.12
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	164.81	27.12
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	422.24	27.12
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	530.00	27.12
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	206.72	27.12
08 38 19 00-0414		Impact Traffic Door Knock Down Frames *(08 38 19)*		

Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0415		Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0416		84" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,232.02	81.38
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,451.97	89.51
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,483.16	94.94
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,517.22	103.08
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,551.01	108.50
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,616.75	113.93
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,664.36	119.36
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,695.33	124.77
08 38 19 00-0425		90" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,258.72	81.38
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,483.76	89.51
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,515.50	94.94
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,550.00	103.08
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,584.36	108.50
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,651.47	113.93
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,699.98	119.36
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,731.49	124.77
08 38 19 00-0434		96" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,294.23	81.38
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,526.02	89.51
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,558.43	94.94
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,583.02	103.08
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,628.66	108.50
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,686.20	113.93
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,747.33	119.36
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,782.14	122.06
08 38 19 00-0443		Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0444		84" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,726.16	124.77
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,753.21	126.95
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,787.90	130.20
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,833.16	135.63
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,860.49	141.05
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,924.91	142.14
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,967.77	143.77
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,019.09	146.48
08 38 19 00-0453		90" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,763.04	124.77
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,790.63	126.95
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,826.10	130.20
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,872.20	135.63
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,900.00	141.05
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,965.92	142.14
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,009.77	143.77
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,062.25	146.48
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,806.09	124.77
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,827.98	126.95
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,876.80	130.20
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,911.23	135.63
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,952.38	141.05
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,026.38	142.14
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,065.56	143.77
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,108.74	146.48

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2105 for exit device, 08 71 11 00-2256 for closer.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,065.99	722.68
		For Bronze Finish, Add	*664.06*	
		For Black Finish, Add	*1,907.22*	
		For 8' High Door, Add	*687.99*	
		For 10' High Door, Add	*1,495.63*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,213.09	794.19
		For Bronze Finish, Add	*668.36*	
		For Black Finish, Add	*1,919.58*	
		For 8' High Door, Add	*692.44*	
		For 10' High Door, Add	*1,505.32*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	11,987.77	1,083.81
		For Bronze Finish, Add	*1,150.60*	
		For Black Finish, Add	*3,304.61*	
		For 8' High Door, Add	*1,192.07*	
		For 10' High Door, Add	*2,591.45*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	14,049.98	1,181.00
		For Bronze Finish, Add	*1,362.31*	
		For Black Finish, Add	*3,912.65*	
		For 8' High Door, Add	*1,411.40*	
		For 10' High Door, Add	*3,068.27*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,880.07	722.68
		For Bronze Finish, Add	*754.42*	
		For Black Finish, Add	*2,166.75*	
		For 8' High Door, Add	*781.61*	
		For 10' High Door, Add	*1,699.15*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	8,077.57	794.19
		For Bronze Finish, Add	*764.32*	
		For Black Finish, Add	*2,195.17*	
		For 8' High Door, Add	*791.86*	
		For 10' High Door, Add	*1,721.44*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	13,526.78	1,083.81
		For Bronze Finish, Add	*1,321.43*	
		For Black Finish, Add	*3,795.25*	
		For 8' High Door, Add	*1,369.05*	
		For 10' High Door, Add	*2,976.20*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	15,544.07	1,181.00
		For Bronze Finish, Add	*1,528.15*	
		For Black Finish, Add	*4,388.97*	
		For 8' High Door, Add	*1,583.22*	
		For 10' High Door, Add	*3,441.79*	
		For 1" Insulated Glazing, Add	*306.80*	

08 42 26 All-Glass Entrances *(08 42)*

08 42 26 00-0001 Full Glass Entrance Doors *(08 42 26)*

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	5,705.33	270.87
		For Anodized Color, Add	*831.93*	
		For Stainless Steel, Add	*3,004.20*	
		For 8' High Door, Add	*531.51*	
		For 10' High Door, Add	*1,155.46*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2") Note: Including Trim And Hardware	10,274.44	325.04
		For Anodized Color, Add	*1,570.79*	
		For Stainless Steel, Add	*5,672.30*	
		For 8' High Door, Add	*1,003.56*	
		For 10' High Door, Add	*2,181.65*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	6,537.97	270.87
		For Anodized Color, Add	*981.81*	
		For Stainless Steel, Add	*3,545.41*	
		For 8' High Door, Add	*627.27*	
		For 10' High Door, Add	*1,363.62*	
		For 1" Insulated Glazing, Add	*153.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")	12,067.19	325.04
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,893.48*	
		For Stainless Steel, Add	*6,837.58*	
		For 8' High Door, Add	*1,209.73*	
		For 10' High Door, Add	*2,629.84*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door	7,367.36	270.87
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,131.10*	
		For Stainless Steel, Add	*4,084.52*	
		For 8' High Door, Add	*722.65*	
		For 10' High Door, Add	*1,570.97*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")	13,857.01	325.04
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,215.65*	
		For Stainless Steel, Add	*8,000.97*	
		For 8' High Door, Add	*1,415.56*	
		For 10' High Door, Add	*3,077.30*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door	9,029.36	270.87
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,430.26*	
		For Stainless Steel, Add	*5,164.82*	
		For 8' High Door, Add	*913.78*	
		For 10' High Door, Add	*1,986.47*	
		For 1" Insulated Glazing, Add	*153.40*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")	17,439.57	325.04
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,860.51*	
		For Stainless Steel, Add	*10,329.63*	
		For 8' High Door, Add	*1,827.55*	
		For 10' High Door, Add	*3,972.94*	
		For 1" Insulated Glazing, Add	*306.80*	
08 42 26 00-0010		Frames For Full Glass Doors *(08 42 26)*		
08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	28.22	3.25
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	36.45	4.33
08 42 29		**Automatic Entrances** *(08 42)*		
08 42 29 23		**Sliding Automatic Entrances** *(08 42 29)*		
		Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001		Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0002		2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*		
		Note: Single sliding.		
08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,634.49	108.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*256.33*	
		For Emergency Egress On All Panels, Add	*683.56*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,016.20	146.28
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*279.27*	
		For Emergency Egress On All Panels, Add	*744.73*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,365.92	162.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*303.07*	
		For Emergency Egress On All Panels, Add	*808.18*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,705.43	178.78
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*326.09*	
		For Emergency Egress On All Panels, Add	*869.58*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,198.64	216.70
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*432.39*	
		For Emergency Egress On All Panels, Add	*1,153.05*	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,410.57	254.62
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*442.60*	
		For Emergency Egress On All Panels, Add	*1,180.27*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,612.02	292.54
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*602.02*	
		For Emergency Egress On All Panels, Add	*1,605.39*	
08 42 29 23-0010		4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*		
		Note: Bi-parting.		
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	7,230.47	270.87
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*501.65*	
		For Emergency Egress On All Panels, Add	*1,337.75*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	7,927.01	297.96
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*549.83*	
		For Emergency Egress On All Panels, Add	*1,466.22*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,623.54	325.04
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*598.01*	
		For Emergency Egress On All Panels, Add	*1,594.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,462.82	352.13
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*731.89*	
		For Emergency Egress On All Panels, Add	*1,951.71*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	12,302.12	379.11
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*865.78*	
		For Emergency Egress On All Panels, Add	*2,308.74*	
08 42 29 23-0016		Aluminum Finished Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0017		2 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Single sliding.		
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,312.49	108.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*232.18*	
		For Emergency Egress On All Panels, Add	*619.16*	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,665.42	146.28
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*252.97*	
		For Emergency Egress On All Panels, Add	*674.58*	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,979.33	162.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*274.07*	
		For Emergency Egress On All Panels, Add	*730.86*	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,295.81	178.78
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*295.37*	
		For Emergency Egress On All Panels, Add	*787.66*	
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,655.54	216.70
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*391.66*	
		For Emergency Egress On All Panels, Add	*1,044.43*	
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,854.61	254.62
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*400.90*	
		For Emergency Egress On All Panels, Add	*1,069.07*	
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,855.89	292.54
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*545.31*	
		For Emergency Egress On All Panels, Add	*1,454.16*	
08 42 29 23-0025		4 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Bi-parting.		
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	6,600.38	270.87
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*454.40*	
		For Emergency Egress On All Panels, Add	*1,211.73*	
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,236.37	297.96
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*498.03*	
		For Emergency Egress On All Panels, Add	*1,328.09*	
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,872.36	325.04
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*541.67*	
		For Emergency Egress On All Panels, Add	*1,444.45*	
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,543.51	352.13
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*662.94*	
		For Emergency Egress On All Panels, Add	*1,767.85*	
08 42 29 23-0030	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	11,214.67	379.11
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*784.22*	
		For Emergency Egress On All Panels, Add	*2,091.25*	
08 42 29 23-0031		Stainless Steel Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0032		2 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Single sliding.		
08 42 29 23-0033	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	4,178.69	108.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*297.15*	
		For Emergency Egress On All Panels, Add	*792.40*	
08 42 29 23-0034	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	4,609.15	146.28
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*323.75*	
		For Emergency Egress On All Panels, Add	*863.32*	
08 42 29 23-0035	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,365.23	162.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*378.01*	
		For Emergency Egress On All Panels, Add	*1,008.04*	
08 42 29 23-0036	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	6,165.24	178.78
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*435.58*	
		For Emergency Egress On All Panels, Add	*1,161.54*	
08 42 29 23-0037	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,116.69	216.70
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*501.25*	
		For Emergency Egress On All Panels, Add	*1,336.66*	
08 42 29 23-0038	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,350.25	254.62
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*513.08*	
		For Emergency Egress On All Panels, Add	*1,368.20*	
08 42 29 23-0039	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,890.27	292.54
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*697.89*	
		For Emergency Egress On All Panels, Add	*1,861.04*	
08 42 29 23-0040		4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Bi-parting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0041	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	8,295.58	270.87
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*581.54*	
		For Emergency Egress On All Panels, Add	*1,550.77*	
08 42 29 23-0042	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,094.37	297.96
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*637.38*	
		For Emergency Egress On All Panels, Add	*1,699.69*	
08 42 29 23-0043	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,893.15	325.04
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*693.23*	
		For Emergency Egress On All Panels, Add	*1,848.61*	
08 42 29 23-0044	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	12,016.73	352.13
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*848.44*	
		For Emergency Egress On All Panels, Add	*2,262.49*	
08 42 29 23-0045	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	14,140.32	379.22
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,003.64*	
		For Emergency Egress On All Panels, Add	*2,676.38*	

08 42 29 23-0046 Accessories For Sliding Automatic Entrances *(08 42 29 23)*

See CSI section 08 42 29 33-0006 for eye operators.

08 42 29 23-0047	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	8,118.17	1,085.03
08 42 29 23-0048	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	13,808.20	1,627.54

08 42 29 33 Swinging Automatic Entrances *(08 42 29)*

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight *(08 42 29 33)*

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	4,477.66	623.14
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	7,709.79	830.89
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 LB Panel	3,724.06	498.51
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	6,699.70	747.77

08 42 29 33-0006 Activation Devices For Door Operators *(08 42 29 33)*

08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	386.80	49.85
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	346.10	49.85
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	349.34	49.85
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	205.06	49.85
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	220.36	49.85
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	135.45	49.85
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	647.24	124.63
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	812.13	62.31
08 42 29 33-0015	EA	Guard Rail For Door With Operator	263.05	62.31

08 42 33 Revolving Door Entrances *(08 42)*

08 42 33 00-0001 Aluminum Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	35,909.46	6,097.26
		For Automatic Controls, Add	*8,203.52*	
		For Powder Coated, Add	*1,343.30*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	48,834.33	9,146.02
		For Automatic Controls, Add	*9,880.29*	
		For Powder Coated, Add	*1,688.01*	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	73,362.75	10,975.17
		For Automatic Controls, Add	*10,886.34*	
		For Powder Coated, Add	*2,985.11*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	39,942.56	6,706.93
		For Automatic Controls, Add	*8,545.72*	
		For Powder Coated, Add	*1,504.35*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	54,026.43	10,060.94
		For Automatic Controls, Add	*10,337.59*	
		For Powder Coated, Add	*1,890.39*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	81,917.33	12,072.69
		For Automatic Controls, Add	*11,557.05*	
		For Powder Coated, Add	*3,343.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 42 33 00-0008 Stainless Steel Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	36,799.92	6,097.26
		For Automatic Controls, Add	*8,203.52*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	49,953.30	9,146.02
		For Automatic Controls, Add	*9,880.29*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	75,341.56	10,975.17
		For Automatic Controls, Add	*10,886.34*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	40,942.16	6,706.93
		For Automatic Controls, Add	*8,545.72*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	55,282.53	10,060.94
		For Automatic Controls, Add	*10,337.59*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	84,138.65	12,072.69
		For Automatic Controls, Add	*11,557.05*	

08 42 33 00-0015 Bronze Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	33,659.60	6,097.26
		For Automatic Controls, Add	*8,203.52*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	46,007.12	9,146.02
		For Automatic Controls, Add	*9,880.29*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	68,363.05	10,975.17
		For Automatic Controls, Add	*10,886.34*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	37,424.99	6,706.93
		For Automatic Controls, Add	*8,545.72*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	50,862.81	10,060.94
		For Automatic Controls, Add	*10,337.59*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	76,322.73	12,072.69
		For Automatic Controls, Add	*11,557.05*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	14,999.18	330.09
		For Bronze Instead Of Stainless Steel, Deduct	*-3,543.42*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,417.37*	
		For Tinted Glass, Add	*708.68*	
		For Aluminum, Painted Finish, Deduct	*-4,252.10*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	15,574.78	330.09
		For Bronze Instead Of Stainless Steel, Deduct	*-3,687.32*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,474.93*	
		For Tinted Glass, Add	*737.46*	
		For Aluminum, Painted Finish, Deduct	*-4,424.78*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	16,972.75	330.09
		For Bronze Instead Of Stainless Steel, Deduct	*-4,036.81*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,614.73*	
		For Tinted Glass, Add	*807.36*	
		For Aluminum, Painted Finish, Deduct	*-4,844.18*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	18,617.45	330.09
		For Bronze Instead Of Stainless Steel, Deduct	*-4,447.99*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,779.20*	
		For Tinted Glass, Add	*889.60*	
		For Aluminum, Painted Finish, Deduct	*-5,337.59*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	31,067.04	627.38
		For Bronze Instead Of Stainless Steel, Deduct	*-7,374.65*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,949.86*	
		For Tinted Glass, Add	*1,474.93*	
		For Aluminum, Painted Finish, Deduct	*-8,849.58*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

08 43 13 00-0001 Aluminum Storefront Framing Assembly *(08 43 13)*

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0012 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.81	7.95
		For Various Color Class I Anodized Finish, Add	*0.95*	
		For Black Color Class I Anodized Finish, Add	*2.84*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.99	7.16
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.97	6.60
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.33*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.46	6.18
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.18*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.30	5.85
		For Various Color Class I Anodized Finish, Add	*0.69*	
		For Black Color Class I Anodized Finish, Add	*2.06*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.36	5.59
		For Various Color Class I Anodized Finish, Add	*0.65*	
		For Black Color Class I Anodized Finish, Add	*1.96*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.59	5.37
		For Various Color Class I Anodized Finish, Add	*0.63*	
		For Black Color Class I Anodized Finish, Add	*1.88*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.95	5.19
		For Various Color Class I Anodized Finish, Add	*0.60*	
		For Black Color Class I Anodized Finish, Add	*1.81*	

08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.28	10.40
		For Various Color Class I Anodized Finish, Add	*1.23*	
		For Black Color Class I Anodized Finish, Add	*3.70*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.02	9.21
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.27*	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.09	8.34
		For Various Color Class I Anodized Finish, Add	*0.99*	
		For Black Color Class I Anodized Finish, Add	*2.96*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.82	7.70
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.72*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.05	7.15
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.54*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.60	6.83
		For Various Color Class I Anodized Finish, Add	*0.80*	
		For Black Color Class I Anodized Finish, Add	*2.39*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.50	6.50
		For Various Color Class I Anodized Finish, Add	*0.76*	
		For Black Color Class I Anodized Finish, Add	*2.28*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.52	6.18
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.18*	

08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	44.78	12.78
		For Various Color Class I Anodized Finish, Add	*1.52*	
		For Black Color Class I Anodized Finish, Add	*4.57*	
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.18	11.16
		For Various Color Class I Anodized Finish, Add	*1.33*	
		For Black Color Class I Anodized Finish, Add	*3.99*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.13	10.07
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.57*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.10	9.21
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.26*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.69	8.56
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.84	8.02
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.83*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.32	7.59
		For Various Color Class I Anodized Finish, Add	*0.89*	
		For Black Color Class I Anodized Finish, Add	*2.67*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.04	7.26
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.54*	

08 43 13 00-0029 2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.67	8.34
		For Various Color Class I Anodized Finish, Add	*0.97*	
		For Black Color Class I Anodized Finish, Add	*2.90*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.76	7.48
		For Various Color Class I Anodized Finish, Add	*0.86*	
		For Black Color Class I Anodized Finish, Add	*2.59*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.57	6.93
		For Various Color Class I Anodized Finish, Add	*0.79*	
		For Black Color Class I Anodized Finish, Add	*2.37*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.00	6.50
		For Various Color Class I Anodized Finish, Add	*0.74*	
		For Black Color Class I Anodized Finish, Add	*2.21*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.75	6.06
		For Various Color Class I Anodized Finish, Add	*0.69*	
		For Black Color Class I Anodized Finish, Add	*2.08*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.86	5.85
		For Various Color Class I Anodized Finish, Add	*0.66*	
		For Black Color Class I Anodized Finish, Add	*1.97*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.96	5.63
		For Various Color Class I Anodized Finish, Add	*0.63*	
		For Black Color Class I Anodized Finish, Add	*1.89*	
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.35	5.42
		For Various Color Class I Anodized Finish, Add	*0.61*	
		For Black Color Class I Anodized Finish, Add	*1.82*	

08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.04	11.26
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.77*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.47	9.96
		For Various Color Class I Anodized Finish, Add	*1.10*	
		For Black Color Class I Anodized Finish, Add	*3.31*	
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.26	9.00
		For Various Color Class I Anodized Finish, Add	*1.00*	
		For Black Color Class I Anodized Finish, Add	*2.99*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.84	8.34
		For Various Color Class I Anodized Finish, Add	*0.92*	
		For Black Color Class I Anodized Finish, Add	*2.75*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.03	7.80
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.56*	
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.43	7.36
		For Various Color Class I Anodized Finish, Add	*0.80*	
		For Black Color Class I Anodized Finish, Add	*2.41*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.21	6.93
		For Various Color Class I Anodized Finish, Add	*0.76*	
		For Black Color Class I Anodized Finish, Add	*2.29*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.20	6.61
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.18*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0047		2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.00	13.44
		For Various Color Class I Anodized Finish, Add	*1.54*	
		For Black Color Class I Anodized Finish, Add	*4.63*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.19	11.70
		For Various Color Class I Anodized Finish, Add	*1.35*	
		For Black Color Class I Anodized Finish, Add	*4.04*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.99	10.51
		For Various Color Class I Anodized Finish, Add	*1.20*	
		For Black Color Class I Anodized Finish, Add	*3.61*	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.91	9.64
		For Various Color Class I Anodized Finish, Add	*1.10*	
		For Black Color Class I Anodized Finish, Add	*3.29*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.44	8.89
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.46	8.34
		For Various Color Class I Anodized Finish, Add	*0.95*	
		For Black Color Class I Anodized Finish, Add	*2.84*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.92	7.91
		For Various Color Class I Anodized Finish, Add	*0.89*	
		For Black Color Class I Anodized Finish, Add	*2.68*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.51	7.59
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.55*	
08 43 13 00-0056		2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.60	8.56
		For Various Color Class I Anodized Finish, Add	*1.36*	
		For Black Color Class I Anodized Finish, Add	*4.09*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.02	7.70
		For Various Color Class I Anodized Finish, Add	*1.23*	
		For Black Color Class I Anodized Finish, Add	*3.68*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.52	7.04
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.38*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.64	6.61
		For Various Color Class I Anodized Finish, Add	*1.05*	
		For Black Color Class I Anodized Finish, Add	*3.16*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.15	6.29
		For Various Color Class I Anodized Finish, Add	*1.00*	
		For Black Color Class I Anodized Finish, Add	*2.99*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.96	5.96
		For Various Color Class I Anodized Finish, Add	*0.95*	
		For Black Color Class I Anodized Finish, Add	*2.85*	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.01	5.74
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.74*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.16	5.52
		For Various Color Class I Anodized Finish, Add	*0.88*	
		For Black Color Class I Anodized Finish, Add	*2.65*	
08 43 13 00-0065		2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	47.00	11.49
		For Various Color Class I Anodized Finish, Add	*1.77*	
		For Black Color Class I Anodized Finish, Add	*5.32*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.52	10.19
		For Various Color Class I Anodized Finish, Add	*1.57*	
		For Black Color Class I Anodized Finish, Add	*4.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.66	9.21
		For Various Color Class I Anodized Finish, Add	*1.42*	
		For Black Color Class I Anodized Finish, Add	*4.26*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.76	8.45
		For Various Color Class I Anodized Finish, Add	*1.31*	
		For Black Color Class I Anodized Finish, Add	*3.93*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.46	7.91
		For Various Color Class I Anodized Finish, Add	*1.23*	
		For Black Color Class I Anodized Finish, Add	*3.68*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.66	7.48
		For Various Color Class I Anodized Finish, Add	*1.16*	
		For Black Color Class I Anodized Finish, Add	*3.47*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.18	7.15
		For Various Color Class I Anodized Finish, Add	*1.10*	
		For Black Color Class I Anodized Finish, Add	*3.30*	
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.87	6.83
		For Various Color Class I Anodized Finish, Add	*1.05*	
		For Black Color Class I Anodized Finish, Add	*3.16*	
08 43 13 00-0074		2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	56.69	13.44
		For Various Color Class I Anodized Finish, Add	*2.19*	
		For Black Color Class I Anodized Finish, Add	*6.56*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	49.84	11.92
		For Various Color Class I Anodized Finish, Add	*1.91*	
		For Black Color Class I Anodized Finish, Add	*5.73*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	44.73	10.73
		For Various Color Class I Anodized Finish, Add	*1.72*	
		For Black Color Class I Anodized Finish, Add	*5.15*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.99	9.75
		For Various Color Class I Anodized Finish, Add	*1.57*	
		For Black Color Class I Anodized Finish, Add	*4.71*	
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.00	9.10
		For Various Color Class I Anodized Finish, Add	*1.45*	
		For Black Color Class I Anodized Finish, Add	*4.36*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.62	8.56
		For Various Color Class I Anodized Finish, Add	*1.36*	
		For Black Color Class I Anodized Finish, Add	*4.09*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.60	8.02
		For Various Color Class I Anodized Finish, Add	*1.29*	
		For Black Color Class I Anodized Finish, Add	*3.86*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.03	7.70
		For Various Color Class I Anodized Finish, Add	*1.23*	
		For Black Color Class I Anodized Finish, Add	*3.68*	
08 43 13 00-0083		Accessories For Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	36.26	7.21
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	41.34	7.93
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	63.34	8.72
08 43 19		**Stainless-Steel-Framed Storefronts** *(08 43)*		
08 43 19 00-0001		Stainless Steel Storefront Framing Assembly *(08 43 19)*		
		Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	55.11	5.42
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	

08 44 Curtain Wall and Glazed Assemblies *(08 40)*

08 44 13 Glazed Aluminum Curtain Walls *(08 44)*

08 44 13 00-0001 Curtain Walls *(08 44 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 44 13 00-0002 Coping Sections *(08 44 13 00-0001)*

08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	71.43	3.25
		For Bronze Anodized Aluminum, Add	*7.86*	
		For Stainless Steel, Add	*32.40*	
		For Black Anodized Finish, Add	*14.15*	
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	74.23	3.25
		For Bronze Anodized Aluminum, Add	*8.28*	
		For Stainless Steel, Add	*34.08*	
		For Black Anodized Finish, Add	*14.91*	
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	89.22	4.33
		For Bronze Anodized Aluminum, Add	*9.83*	
		For Stainless Steel, Add	*40.50*	
		For Black Anodized Finish, Add	*17.69*	

08 44 13 00-0006 Sill Section *(08 44 13 00-0001)*

08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	55.12	2.17
		For Bronze Anodized Aluminum, Add	*6.26*	
		For Stainless Steel, Add	*25.71*	
		For Black Anodized Finish, Add	*11.27*	
08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	59.58	2.17
		For Bronze Anodized Aluminum, Add	*6.93*	
		For Stainless Steel, Add	*28.39*	
		For Black Anodized Finish, Add	*12.47*	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	64.09	2.17
		For Bronze Anodized Aluminum, Add	*7.61*	
		For Stainless Steel, Add	*31.10*	
		For Black Anodized Finish, Add	*13.69*	

08 44 13 00-0010 Aluminum Column Covers *(08 44 13 00-0001)*

Note: Includes all clips and fasteners.

08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped	145.03	5.42
		For Bronze Anodized Aluminum, Add	*17.18*	
		For Stainless Steel, Add	*70.23*	
		For Black Anodized Finish, Add	*30.92*	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped	178.53	5.42
		For Bronze Anodized Aluminum, Add	*21.93*	
		For Stainless Steel, Add	*89.33*	
		For Black Anodized Finish, Add	*39.47*	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped	191.50	5.42
		For Bronze Anodized Aluminum, Add	*23.87*	
		For Stainless Steel, Add	*97.11*	
		For Black Anodized Finish, Add	*42.97*	

08 44 13 00-0014 Spandrel Covers *(08 44 13 00-0001)*

Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).

08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces	58.77	2.17
		For Bronze Anodized Aluminum, Add	*7.45*	
		For Stainless Steel, Add	*30.25*	
		For Black Anodized Finish, Add	*13.41*	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face	51.40	2.17
		For Bronze Anodized Aluminum, Add	*6.34*	
		For Stainless Steel, Add	*25.83*	
		For Black Anodized Finish, Add	*11.42*	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces	112.42	2.17
		For Bronze Anodized Aluminum, Add	*15.50*	
		For Stainless Steel, Add	*62.44*	
		For Black Anodized Finish, Add	*27.89*	
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	91.64	2.17
		For Bronze Anodized Aluminum, Add	*12.38*	
		For Stainless Steel, Add	*49.97*	
		For Black Anodized Finish, Add	*22.28*	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces	65.95	2.17
		For Bronze Anodized Aluminum, Add	*8.17*	
		For Stainless Steel, Add	*33.26*	
		For Black Anodized Finish, Add	*14.71*	
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face	58.97	2.17
		For Bronze Anodized Aluminum, Add	*7.13*	
		For Stainless Steel, Add	*29.07*	
		For Black Anodized Finish, Add	*12.83*	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces	128.38	2.17
		For Bronze Anodized Aluminum, Add	*17.54*	
		For Stainless Steel, Add	*70.72*	
		For Black Anodized Finish, Add	*31.57*	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	104.41	2.17
		For Bronze Anodized Aluminum, Add	*13.94*	
		For Stainless Steel, Add	*56.34*	
		For Black Anodized Finish, Add	*25.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0023		Curtain Wall, Aluminum System Framing Sections *(08 44 13 00-0001)*		
		Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	79.37	2.17
		For Bronze Anodized Aluminum, Add	*10.62*	
		For Stainless Steel, Add	*42.89*	
		For Black Anodized Finish, Add	*19.11*	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	79.20	2.17
		For Bronze Anodized Aluminum, Add	*10.62*	
		For Stainless Steel, Add	*42.88*	
		For Black Anodized Finish, Add	*19.11*	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	79.20	2.17
		For Bronze Anodized Aluminum, Add	*10.62*	
		For Stainless Steel, Add	*42.88*	
		For Black Anodized Finish, Add	*19.11*	
		For Corner Mullion, Add	*18.96*	
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	97.57	4.33
		For Bronze Anodized Aluminum, Add	*12.68*	
		For Stainless Steel, Add	*51.39*	
		For Black Anodized Finish, Add	*22.83*	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	97.57	4.33
		For Bronze Anodized Aluminum, Add	*12.68*	
		For Stainless Steel, Add	*51.39*	
		For Black Anodized Finish, Add	*22.83*	
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	97.57	4.33
		For Bronze Anodized Aluminum, Add	*12.68*	
		For Stainless Steel, Add	*51.39*	
		For Black Anodized Finish, Add	*22.83*	
		For Corner Mullion, Add	*23.09*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	107.12	4.77
		For Bronze Anodized Aluminum, Add	*13.90*	
		For Stainless Steel, Add	*56.32*	
		For Black Anodized Finish, Add	*25.02*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	107.12	4.77
		For Bronze Anodized Aluminum, Add	*13.90*	
		For Stainless Steel, Add	*56.32*	
		For Black Anodized Finish, Add	*25.02*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	107.12	4.77
		For Bronze Anodized Aluminum, Add	*13.90*	
		For Stainless Steel, Add	*56.32*	
		For Black Anodized Finish, Add	*25.02*	
		For Corner Mullion, Add	*25.34*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	116.88	5.42
		For Bronze Anodized Aluminum, Add	*15.12*	
		For Stainless Steel, Add	*61.30*	
		For Black Anodized Finish, Add	*27.22*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	116.88	5.42
		For Bronze Anodized Aluminum, Add	*15.12*	
		For Stainless Steel, Add	*61.30*	
		For Black Anodized Finish, Add	*27.22*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	116.88	5.42
		For Bronze Anodized Aluminum, Add	*15.12*	
		For Stainless Steel, Add	*61.30*	
		For Black Anodized Finish, Add	*27.22*	
		For Corner Mullion, Add	*27.62*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	131.24	5.85
		For Bronze Anodized Aluminum, Add	*17.06*	
		For Stainless Steel, Add	*69.11*	
		For Black Anodized Finish, Add	*30.70*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	131.24	5.85
		For Bronze Anodized Aluminum, Add	*17.06*	
		For Stainless Steel, Add	*69.11*	
		For Black Anodized Finish, Add	*30.70*	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	131.24	5.85
		For Bronze Anodized Aluminum, Add	*17.06*	
		For Stainless Steel, Add	*69.11*	
		For Black Anodized Finish, Add	*30.70*	
		For Corner Mullion, Add	*31.06*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	150.66	6.50
		For Bronze Anodized Aluminum, Add	*19.58*	
		For Stainless Steel, Add	*79.34*	
		For Black Anodized Finish, Add	*35.25*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	150.66	6.50
		For Bronze Anodized Aluminum, Add	*19.58*	
		For Stainless Steel, Add	*79.34*	
		For Black Anodized Finish, Add	*35.25*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	150.66	6.50
		For Bronze Anodized Aluminum, Add	*19.58*	
		For Stainless Steel, Add	*79.34*	
		For Black Anodized Finish, Add	*35.25*	
		For Corner Mullion, Add	*35.66*	

08 45 Translucent Wall and Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 45 23 00-0001		Translucent Fiberglass Sandwich-Panels 2-3/4" Thick *(08 45 23)*		
08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	151.97	5.96
		For Aluminum Frame, Add	*14.30*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	139.37	5.08
		For Aluminum Frame, Add	*13.18*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	793.22	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.18*	
		For Clear Anodized Finish, Add	*30.98*	
		For Color Anodized Finish, Add	*43.37*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	899.72	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.92*	
		For Clear Anodized Finish, Add	*35.76*	
		For Color Anodized Finish, Add	*50.07*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	989.57	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.66*	
		For Clear Anodized Finish, Add	*39.71*	
		For Color Anodized Finish, Add	*55.60*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	1,062.80	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.40*	
		For Clear Anodized Finish, Add	*42.83*	
		For Color Anodized Finish, Add	*59.97*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	1,235.84	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.13*	
		For Clear Anodized Finish, Add	*50.94*	
		For Color Anodized Finish, Add	*71.32*	
08 51 13 00-0009	SF	>30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350)	40.49	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.04*	
		For Clear Anodized Finish, Add	*1.70*	
		For Color Anodized Finish, Add	*2.38*	

08 51 13 00-0010 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	862.06	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.31*	
		For Clear Anodized Finish, Add	*34.42*	
		For Color Anodized Finish, Add	*48.19*	
08 51 13 00-0012	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	979.19	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.68*	
		For Clear Anodized Finish, Add	*39.74*	
		For Color Anodized Finish, Add	*55.63*	
08 51 13 00-0013	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,077.83	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*52.95*	
		For Clear Anodized Finish, Add	*44.13*	
		For Color Anodized Finish, Add	*61.78*	
08 51 13 00-0014	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,157.98	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.11*	
		For Clear Anodized Finish, Add	*47.59*	
		For Color Anodized Finish, Add	*66.63*	
08 51 13 00-0015	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,349.04	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.92*	
		For Clear Anodized Finish, Add	*56.60*	
		For Color Anodized Finish, Add	*79.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0016	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	44.26	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.27*	
		For Clear Anodized Finish, Add	*1.89*	
		For Color Anodized Finish, Add	*2.64*	
08 51 13 00-0017		3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*		
08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,351.84	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.69*	
		For Clear Anodized Finish, Add	*58.91*	
		For Color Anodized Finish, Add	*82.48*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,510.56	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.57*	
		For Clear Anodized Finish, Add	*66.31*	
		For Color Anodized Finish, Add	*92.83*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,641.53	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.77*	
		For Clear Anodized Finish, Add	*72.31*	
		For Color Anodized Finish, Add	*101.24*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,767.90	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*93.71*	
		For Clear Anodized Finish, Add	*78.09*	
		For Color Anodized Finish, Add	*109.32*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,125.30	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*114.50*	
		For Clear Anodized Finish, Add	*95.41*	
		For Color Anodized Finish, Add	*133.58*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	70.13	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.82*	
		For Clear Anodized Finish, Add	*3.18*	
		For Color Anodized Finish, Add	*4.45*	
08 51 13 00-0024		3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*		
08 51 13 00-0025	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,435.01	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*75.68*	
		For Clear Anodized Finish, Add	*63.07*	
		For Color Anodized Finish, Add	*88.30*	
08 51 13 00-0026	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,626.07	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.50*	
		For Clear Anodized Finish, Add	*72.08*	
		For Color Anodized Finish, Add	*100.91*	
08 51 13 00-0027	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,780.15	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*95.09*	
		For Clear Anodized Finish, Add	*79.24*	
		For Color Anodized Finish, Add	*110.94*	
08 51 13 00-0028	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,929.62	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*103.41*	
		For Clear Anodized Finish, Add	*86.17*	
		For Color Anodized Finish, Add	*120.64*	
08 51 13 00-0029	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,323.98	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.42*	
		For Clear Anodized Finish, Add	*105.35*	
		For Color Anodized Finish, Add	*147.49*	
08 51 13 00-0030	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	76.74	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.21*	
		For Clear Anodized Finish, Add	*3.51*	
		For Color Anodized Finish, Add	*4.92*	
08 51 13 00-0031		4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*		
08 51 13 00-0032	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,592.11	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*85.11*	
		For Clear Anodized Finish, Add	*70.93*	
		For Color Anodized Finish, Add	*99.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0033	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,843.24	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*99.53*	
		For Clear Anodized Finish, Add	*82.94*	
		For Color Anodized Finish, Add	*116.11*	
08 51 13 00-0034	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,001.94	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.40*	
		For Clear Anodized Finish, Add	*90.33*	
		For Color Anodized Finish, Add	*126.46*	
08 51 13 00-0035	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,151.40	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.72*	
		For Clear Anodized Finish, Add	*97.26*	
		For Color Anodized Finish, Add	*136.17*	
08 51 13 00-0036	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,513.42	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*137.78*	
		For Clear Anodized Finish, Add	*114.82*	
		For Color Anodized Finish, Add	*160.75*	
08 51 13 00-0037	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	83.07	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.59*	
		For Clear Anodized Finish, Add	*3.83*	
		For Color Anodized Finish, Add	*5.36*	
08 51 13 00-0038		4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL) *(08 51 13 00-0002)*		
08 51 13 00-0039	EA	Up To 6 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	1,946.72	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.39*	
		For Clear Anodized Finish, Add	*88.66*	
		For Color Anodized Finish, Add	*124.12*	
08 51 13 00-0040	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,257.91	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.41*	
		For Clear Anodized Finish, Add	*103.67*	
		For Color Anodized Finish, Add	*145.14*	
08 51 13 00-0041	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,453.57	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*135.50*	
		For Clear Anodized Finish, Add	*112.91*	
		For Color Anodized Finish, Add	*158.08*	
08 51 13 00-0042	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	2,637.74	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*145.90*	
		For Clear Anodized Finish, Add	*121.58*	
		For Color Anodized Finish, Add	*170.21*	
08 51 13 00-0043	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	3,087.55	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.23*	
		For Clear Anodized Finish, Add	*143.53*	
		For Color Anodized Finish, Add	*200.94*	
08 51 13 00-0044	SF	>30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)	102.20	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.74*	
		For Clear Anodized Finish, Add	*4.78*	
		For Color Anodized Finish, Add	*6.70*	
08 51 13 00-0045		Double Hung Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0046		3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0045)*		
08 51 13 00-0047	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	986.82	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.79*	
		For Clear Anodized Finish, Add	*40.66*	
		For Color Anodized Finish, Add	*56.93*	
08 51 13 00-0048	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,099.33	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.89*	
		For Clear Anodized Finish, Add	*45.74*	
		For Color Anodized Finish, Add	*64.04*	
08 51 13 00-0049	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,193.34	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.88*	
		For Clear Anodized Finish, Add	*49.90*	
		For Color Anodized Finish, Add	*69.86*	
08 51 13 00-0050	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,291.98	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.15*	
		For Clear Anodized Finish, Add	*54.29*	
		For Color Anodized Finish, Add	*76.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0051	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,529.25	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.73*	
		For Clear Anodized Finish, Add	*65.61*	
		For Color Anodized Finish, Add	*91.86*	
08 51 13 00-0052	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	50.27	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.63*	
		For Clear Anodized Finish, Add	*2.19*	
		For Color Anodized Finish, Add	*3.06*	

08 51 13 00-0053 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0045)*

08 51 13 00-0054	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,250.19	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.60*	
		For Clear Anodized Finish, Add	*53.83*	
		For Color Anodized Finish, Add	*75.36*	
08 51 13 00-0055	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,464.35	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.79*	
		For Clear Anodized Finish, Add	*63.99*	
		For Color Anodized Finish, Add	*89.59*	
08 51 13 00-0056	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,636.91	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.50*	
		For Clear Anodized Finish, Add	*72.08*	
		For Color Anodized Finish, Add	*100.91*	
08 51 13 00-0057	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,832.58	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.59*	
		For Clear Anodized Finish, Add	*81.32*	
		For Color Anodized Finish, Add	*113.85*	
08 51 13 00-0058	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,199.23	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.93*	
		For Clear Anodized Finish, Add	*99.11*	
		For Color Anodized Finish, Add	*138.76*	
08 51 13 00-0059	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	72.58	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.96*	
		For Clear Anodized Finish, Add	*3.30*	
		For Color Anodized Finish, Add	*4.62*	

08 51 13 00-0060 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0045)*

08 51 13 00-0061	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,615.21	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.50*	
		For Clear Anodized Finish, Add	*72.08*	
		For Color Anodized Finish, Add	*100.91*	
08 51 13 00-0062	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,866.34	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.91*	
		For Clear Anodized Finish, Add	*84.09*	
		For Color Anodized Finish, Add	*117.73*	
08 51 13 00-0063	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,075.86	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*112.83*	
		For Clear Anodized Finish, Add	*94.03*	
		For Color Anodized Finish, Add	*131.64*	
08 51 13 00-0064	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,280.78	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.48*	
		For Clear Anodized Finish, Add	*103.73*	
		For Color Anodized Finish, Add	*145.22*	
08 51 13 00-0065	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,786.04	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.14*	
		For Clear Anodized Finish, Add	*128.45*	
		For Color Anodized Finish, Add	*179.83*	
08 51 13 00-0066	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	92.13	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.14*	
		For Clear Anodized Finish, Add	*4.28*	
		For Color Anodized Finish, Add	*5.99*	

08 51 13 00-0067 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0045)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0068	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,601.01	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*144.99*	
		For Clear Anodized Finish, Add	*120.83*	
		For Color Anodized Finish, Add	*169.16*	
08 51 13 00-0069	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,856.74	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*159.69*	
		For Clear Anodized Finish, Add	*133.07*	
		For Color Anodized Finish, Add	*186.30*	
08 51 13 00-0070	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,158.68	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.15*	
		For Clear Anodized Finish, Add	*147.63*	
		For Color Anodized Finish, Add	*206.68*	
08 51 13 00-0071	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,673.18	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*69.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*207.37*	
		For Clear Anodized Finish, Add	*172.81*	
		For Color Anodized Finish, Add	*241.93*	
08 51 13 00-0072	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	121.56	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.90*	
		For Clear Anodized Finish, Add	*5.75*	
		For Color Anodized Finish, Add	*8.05*	
08 51 13 00-0073		5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0045)*		
08 51 13 00-0074	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	3,645.25	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*69.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*207.65*	
		For Clear Anodized Finish, Add	*173.04*	
		For Color Anodized Finish, Add	*242.26*	
08 51 13 00-0075	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	3,933.32	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*74.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*224.28*	
		For Clear Anodized Finish, Add	*186.90*	
		For Color Anodized Finish, Add	*261.66*	
08 51 13 00-0076	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,262.99	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*81.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*243.41*	
		For Clear Anodized Finish, Add	*202.84*	
		For Color Anodized Finish, Add	*283.98*	
08 51 13 00-0077	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,842.18	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*92.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*277.51*	
		For Clear Anodized Finish, Add	*231.26*	
		For Color Anodized Finish, Add	*323.76*	
08 51 13 00-0078	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	160.84	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.26*	
		For Clear Anodized Finish, Add	*7.72*	
		For Color Anodized Finish, Add	*10.80*	
08 51 13 00-0079		Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0080		One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0079)*		
08 51 13 00-0081		2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0080)*		
08 51 13 00-0082	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	885.16	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.69*	
		For Clear Anodized Finish, Add	*35.58*	
		For Color Anodized Finish, Add	*49.81*	
08 51 13 00-0083	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,006.92	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.35*	
		For Clear Anodized Finish, Add	*41.12*	
		For Color Anodized Finish, Add	*57.57*	
08 51 13 00-0084	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,096.31	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.06*	
		For Clear Anodized Finish, Add	*45.05*	
		For Color Anodized Finish, Add	*63.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0085	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,190.33	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.05*	
		For Clear Anodized Finish, Add	*49.21*	
		For Color Anodized Finish, Add	*68.89*	
08 51 13 00-0086	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,390.63	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.42*	
		For Clear Anodized Finish, Add	*58.68*	
		For Color Anodized Finish, Add	*82.15*	
08 51 13 00-0087	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	45.65	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.35*	
		For Clear Anodized Finish, Add	*1.96*	
		For Color Anodized Finish, Add	*2.74*	
08 51 13 00-0088		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0080)*		
08 51 13 00-0089	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,471.97	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*77.90*	
		For Clear Anodized Finish, Add	*64.92*	
		For Color Anodized Finish, Add	*90.89*	
08 51 13 00-0090	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,667.66	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.99*	
		For Clear Anodized Finish, Add	*74.16*	
		For Color Anodized Finish, Add	*103.82*	
08 51 13 00-0091	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,821.73	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.59*	
		For Clear Anodized Finish, Add	*81.32*	
		For Color Anodized Finish, Add	*113.85*	
08 51 13 00-0092	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,971.20	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.90*	
		For Clear Anodized Finish, Add	*88.25*	
		For Color Anodized Finish, Add	*123.55*	
08 51 13 00-0093	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,305.50	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*125.31*	
		For Clear Anodized Finish, Add	*104.42*	
		For Color Anodized Finish, Add	*146.19*	
08 51 13 00-0094	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	76.14	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.18*	
		For Clear Anodized Finish, Add	*3.48*	
		For Color Anodized Finish, Add	*4.87*	
08 51 13 00-0095		Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0079)*		
08 51 13 00-0096		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0095)*		
08 51 13 00-0097	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,005.30	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.90*	
		For Clear Anodized Finish, Add	*41.59*	
		For Color Anodized Finish, Add	*58.22*	
08 51 13 00-0098	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,164.02	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*58.77*	
		For Clear Anodized Finish, Add	*48.98*	
		For Color Anodized Finish, Add	*68.57*	
08 51 13 00-0099	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,267.27	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.32*	
		For Clear Anodized Finish, Add	*53.60*	
		For Color Anodized Finish, Add	*75.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0100	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,352.05	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.75*	
		For Clear Anodized Finish, Add	*57.30*	
		For Color Anodized Finish, Add	*80.21*	
08 51 13 00-0101	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,580.07	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.78*	
		For Clear Anodized Finish, Add	*68.15*	
		For Color Anodized Finish, Add	*95.41*	
08 51 13 00-0102	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	51.93	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.73*	
		For Clear Anodized Finish, Add	*2.27*	
		For Color Anodized Finish, Add	*3.18*	
08 51 13 00-0103		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0079)*		
08 51 13 00-0104		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0103)*		
08 51 13 00-0105	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	2,756.49	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.97*	
		For Clear Anodized Finish, Add	*129.14*	
		For Color Anodized Finish, Add	*180.80*	
08 51 13 00-0106	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,171.74	120.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*178.26*	
		For Clear Anodized Finish, Add	*148.55*	
		For Color Anodized Finish, Add	*207.97*	
08 51 13 00-0107	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,432.10	126.95
		For 50% Fluoropolymer Finish (Acrynar), Add	*64.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*193.23*	
		For Clear Anodized Finish, Add	*161.03*	
		For Color Anodized Finish, Add	*225.44*	
08 51 13 00-0108	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,161.55	143.22
		For 50% Fluoropolymer Finish (Acrynar), Add	*78.46*	
		For 70% Fluoropolymer Finish (Duranar), Add	*235.37*	
		For Clear Anodized Finish, Add	*196.14*	
		For Color Anodized Finish, Add	*274.60*	
08 51 13 00-0109	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,808.63	162.75
		For 50% Fluoropolymer Finish (Acrynar), Add	*90.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*272.24*	
		For Clear Anodized Finish, Add	*226.87*	
		For Color Anodized Finish, Add	*317.62*	
08 51 13 00-0110	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	82.10	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.54*	
		For Clear Anodized Finish, Add	*3.78*	
		For Color Anodized Finish, Add	*5.29*	
08 51 13 00-0111		Fixed Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0112		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0111)*		
08 51 13 00-0113	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	668.00	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.66*	
		For Clear Anodized Finish, Add	*24.72*	
		For Color Anodized Finish, Add	*34.61*	
08 51 13 00-0114	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	771.27	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.21*	
		For Clear Anodized Finish, Add	*29.34*	
		For Color Anodized Finish, Add	*41.08*	
08 51 13 00-0115	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	814.45	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.15*	
		For Clear Anodized Finish, Add	*30.96*	
		For Color Anodized Finish, Add	*43.34*	
08 51 13 00-0116	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	857.65	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.09*	
		For Clear Anodized Finish, Add	*32.58*	
		For Color Anodized Finish, Add	*45.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0117	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,168.84	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.11*	
		For Clear Anodized Finish, Add	*47.59*	
		For Color Anodized Finish, Add	*66.63*	
08 51 13 00-0118	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	38.25	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.90*	
		For Clear Anodized Finish, Add	*1.59*	
		For Color Anodized Finish, Add	*2.22*	
08 51 13 00-0119		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0111)*		
08 51 13 00-0120	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	871.30	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.86*	
		For Clear Anodized Finish, Add	*34.89*	
		For Color Anodized Finish, Add	*48.84*	
08 51 13 00-0121	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,006.92	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.35*	
		For Clear Anodized Finish, Add	*41.12*	
		For Color Anodized Finish, Add	*57.57*	
08 51 13 00-0122	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,087.07	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.51*	
		For Clear Anodized Finish, Add	*44.59*	
		For Color Anodized Finish, Add	*62.42*	
08 51 13 00-0123	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,171.85	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*57.94*	
		For Clear Anodized Finish, Add	*48.29*	
		For Color Anodized Finish, Add	*67.60*	
08 51 13 00-0124	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,580.07	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.78*	
		For Clear Anodized Finish, Add	*68.15*	
		For Color Anodized Finish, Add	*95.41*	
08 51 13 00-0125	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	51.93	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.73*	
		For Clear Anodized Finish, Add	*2.27*	
		For Color Anodized Finish, Add	*3.18*	
08 51 13 00-0126		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0111)*		
08 51 13 00-0127	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	732.69	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.55*	
		For Clear Anodized Finish, Add	*27.95*	
		For Color Anodized Finish, Add	*39.14*	
08 51 13 00-0128	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	868.30	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.03*	
		For Clear Anodized Finish, Add	*34.19*	
		For Color Anodized Finish, Add	*47.87*	
08 51 13 00-0129	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	939.21	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.63*	
		For Clear Anodized Finish, Add	*37.20*	
		For Color Anodized Finish, Add	*52.07*	
08 51 13 00-0130	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,014.75	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.52*	
		For Clear Anodized Finish, Add	*40.43*	
		For Color Anodized Finish, Add	*56.60*	
08 51 13 00-0131	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,399.87	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.97*	
		For Clear Anodized Finish, Add	*59.14*	
		For Color Anodized Finish, Add	*82.80*	
08 51 13 00-0132	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	45.92	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.36*	
		For Clear Anodized Finish, Add	*1.97*	
		For Color Anodized Finish, Add	*2.76*	
08 51 13 00-0133		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0111)*		
08 51 13 00-0134	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	728.07	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.27*	
		For Clear Anodized Finish, Add	*27.72*	
		For Color Anodized Finish, Add	*38.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0135	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	849.82	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.92*	
		For Clear Anodized Finish, Add	*33.27*	
		For Color Anodized Finish, Add	*46.58*	
08 51 13 00-0136	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	920.73	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.53*	
		For Clear Anodized Finish, Add	*36.27*	
		For Color Anodized Finish, Add	*50.78*	
08 51 13 00-0137	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	996.26	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.41*	
		For Clear Anodized Finish, Add	*39.51*	
		For Color Anodized Finish, Add	*55.31*	
08 51 13 00-0138	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,381.39	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*69.86*	
		For Clear Anodized Finish, Add	*58.22*	
		For Color Anodized Finish, Add	*81.51*	
08 51 13 00-0139	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	45.32	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.33*	
		For Clear Anodized Finish, Add	*1.94*	
		For Color Anodized Finish, Add	*2.72*	
08 51 13 00-0140		4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL) *(08 51 13 00-0111)*		
08 51 13 00-0141	EA	Up To 6 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	894.41	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.25*	
		For Clear Anodized Finish, Add	*36.04*	
		For Color Anodized Finish, Add	*50.46*	
08 51 13 00-0142	EA	>6 To 10 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,049.43	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*51.90*	
		For Clear Anodized Finish, Add	*43.25*	
		For Color Anodized Finish, Add	*60.55*	
08 51 13 00-0143	EA	>10 To 15 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,138.35	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.58*	
		For Clear Anodized Finish, Add	*47.15*	
		For Color Anodized Finish, Add	*66.01*	
08 51 13 00-0144	EA	>15 To 20 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,233.30	123.70
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.63*	
		For Clear Anodized Finish, Add	*51.36*	
		For Color Anodized Finish, Add	*71.90*	
08 51 13 00-0145	EA	>20 To 30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,730.70	130.20
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*90.82*	
		For Clear Anodized Finish, Add	*75.68*	
		For Color Anodized Finish, Add	*105.96*	
08 51 13 00-0146	SF	>30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	56.96	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.03*	
		For Clear Anodized Finish, Add	*2.52*	
		For Color Anodized Finish, Add	*3.53*	
08 51 13 00-0147		Projected Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0148		Single Vent, Projected Aluminum Windows *(08 51 13 00-0147)*		
08 51 13 00-0149		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0148)*		
08 51 13 00-0150	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,015.46	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.51*	
		For Clear Anodized Finish, Add	*42.09*	
		For Color Anodized Finish, Add	*58.93*	
08 51 13 00-0151	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,103.49	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.14*	
		For Clear Anodized Finish, Add	*45.95*	
		For Color Anodized Finish, Add	*64.33*	
08 51 13 00-0152	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,207.20	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.71*	
		For Clear Anodized Finish, Add	*50.60*	
		For Color Anodized Finish, Add	*70.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0153	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	73.97	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.05*	
		For Clear Anodized Finish, Add	*3.37*	
		For Color Anodized Finish, Add	*4.72*	

08 51 13 00-0154 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0148)*

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,423.97	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*75.02*	
		For Clear Anodized Finish, Add	*62.52*	
		For Color Anodized Finish, Add	*87.53*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,579.45	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.70*	
		For Clear Anodized Finish, Add	*69.75*	
		For Color Anodized Finish, Add	*97.65*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,761.67	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*93.98*	
		For Clear Anodized Finish, Add	*78.32*	
		For Color Anodized Finish, Add	*109.65*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	110.93	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.27*	
		For Clear Anodized Finish, Add	*5.22*	
		For Color Anodized Finish, Add	*7.31*	

08 51 13 00-0159 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0148)*

08 51 13 00-0160	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,577.18	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.21*	
		For Clear Anodized Finish, Add	*70.18*	
		For Color Anodized Finish, Add	*98.25*	
08 51 13 00-0161	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,757.90	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*94.41*	
		For Clear Anodized Finish, Add	*78.67*	
		For Color Anodized Finish, Add	*110.14*	
08 51 13 00-0162	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,969.59	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.46*	
		For Clear Anodized Finish, Add	*88.71*	
		For Color Anodized Finish, Add	*124.20*	
08 51 13 00-0163	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	124.80	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.10*	
		For Clear Anodized Finish, Add	*5.91*	
		For Color Anodized Finish, Add	*8.28*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0148)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	1,682.72	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*90.55*	
		For Clear Anodized Finish, Add	*75.46*	
		For Color Anodized Finish, Add	*105.64*	
08 51 13 00-0166	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	1,880.85	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*101.78*	
		For Clear Anodized Finish, Add	*84.82*	
		For Color Anodized Finish, Add	*118.75*	
08 51 13 00-0167	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,112.83	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*115.05*	
		For Clear Anodized Finish, Add	*95.88*	
		For Color Anodized Finish, Add	*134.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0168	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	134.36	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.67*	
		For Clear Anodized Finish, Add	*6.39*	
		For Color Anodized Finish, Add	*8.95*	
08 51 13 00-0169		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0148)*		
08 51 13 00-0170	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,669.09	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.73*	
		For Clear Anodized Finish, Add	*74.77*	
		For Color Anodized Finish, Add	*104.68*	
08 51 13 00-0171	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,865.00	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.83*	
		For Clear Anodized Finish, Add	*84.03*	
		For Color Anodized Finish, Add	*117.64*	
08 51 13 00-0172	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,094.35	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.94*	
		For Clear Anodized Finish, Add	*94.95*	
		For Color Anodized Finish, Add	*132.93*	
08 51 13 00-0173	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	133.11	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.60*	
		For Clear Anodized Finish, Add	*6.33*	
		For Color Anodized Finish, Add	*8.86*	
08 51 13 00-0174		Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0147)*		
08 51 13 00-0175		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0174)*		
08 51 13 00-0176	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,461.44	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*77.27*	
		For Clear Anodized Finish, Add	*64.39*	
		For Color Anodized Finish, Add	*90.15*	
08 51 13 00-0177	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,623.07	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.32*	
		For Clear Anodized Finish, Add	*71.93*	
		For Color Anodized Finish, Add	*100.70*	
08 51 13 00-0178	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,812.49	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Clear Anodized Finish, Add	*80.86*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0179	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	114.17	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.46*	
		For Clear Anodized Finish, Add	*5.38*	
		For Color Anodized Finish, Add	*7.54*	
08 51 13 00-0180		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0174)*		
08 51 13 00-0181	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,108.27	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.08*	
		For Clear Anodized Finish, Add	*96.73*	
		For Color Anodized Finish, Add	*135.43*	
08 51 13 00-0182	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,376.63	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.53*	
		For Clear Anodized Finish, Add	*109.61*	
		For Color Anodized Finish, Add	*153.45*	
08 51 13 00-0183	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,690.40	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*149.71*	
		For Clear Anodized Finish, Add	*124.76*	
		For Color Anodized Finish, Add	*174.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0184	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	172.85	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.98*	
		For Clear Anodized Finish, Add	*8.32*	
		For Color Anodized Finish, Add	*11.64*	

08 51 13 00-0185 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0174)*

08 51 13 00-0186	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,244.44	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.25*	
		For Clear Anodized Finish, Add	*103.54*	
		For Color Anodized Finish, Add	*144.96*	
08 51 13 00-0187	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,535.26	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*141.05*	
		For Clear Anodized Finish, Add	*117.54*	
		For Color Anodized Finish, Add	*164.56*	
08 51 13 00-0188	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,875.22	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*160.80*	
		For Clear Anodized Finish, Add	*134.00*	
		For Color Anodized Finish, Add	*187.59*	
08 51 13 00-0189	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	184.86	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.70*	
		For Clear Anodized Finish, Add	*8.92*	
		For Color Anodized Finish, Add	*12.48*	

08 51 13 00-0190 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0174)*

08 51 13 00-0191	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,230.85	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*123.44*	
		For Clear Anodized Finish, Add	*102.86*	
		For Color Anodized Finish, Add	*144.01*	
08 51 13 00-0192	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,519.41	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.10*	
		For Clear Anodized Finish, Add	*116.75*	
		For Color Anodized Finish, Add	*163.45*	
08 51 13 00-0193	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,856.74	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*159.69*	
		For Clear Anodized Finish, Add	*133.07*	
		For Color Anodized Finish, Add	*186.30*	
08 51 13 00-0194	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	183.94	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.65*	
		For Clear Anodized Finish, Add	*8.87*	
		For Color Anodized Finish, Add	*12.42*	

08 51 13 00-0195 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0174)*

08 51 13 00-0196	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,441.92	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*136.10*	
		For Clear Anodized Finish, Add	*113.42*	
		For Color Anodized Finish, Add	*158.78*	
08 51 13 00-0197	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,765.31	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.85*	
		For Clear Anodized Finish, Add	*129.04*	
		For Color Anodized Finish, Add	*180.66*	
08 51 13 00-0198	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,143.21	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*176.87*	
		For Clear Anodized Finish, Add	*147.40*	
		For Color Anodized Finish, Add	*206.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0199	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	202.88	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.78*	
		For Clear Anodized Finish, Add	*9.82*	
		For Color Anodized Finish, Add	*13.75*	
08 51 13 00-0200		Casement Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0201		Single Vent, Casement Aluminum Windows *(08 51 13 00-0200)*		
08 51 13 00-0202		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*		
08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,182.27	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.52*	
		For Clear Anodized Finish, Add	*50.43*	
		For Color Anodized Finish, Add	*70.61*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,297.83	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.80*	
		For Clear Anodized Finish, Add	*55.67*	
		For Color Anodized Finish, Add	*77.94*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,433.61	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.30*	
		For Clear Anodized Finish, Add	*61.92*	
		For Color Anodized Finish, Add	*86.68*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	89.08	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.95*	
		For Clear Anodized Finish, Add	*4.13*	
		For Color Anodized Finish, Add	*5.78*	
08 51 13 00-0207		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*		
08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,801.88	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.70*	
		For Clear Anodized Finish, Add	*81.41*	
		For Color Anodized Finish, Add	*113.98*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,019.65	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*110.11*	
		For Clear Anodized Finish, Add	*91.76*	
		For Color Anodized Finish, Add	*128.46*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,274.55	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.76*	
		For Clear Anodized Finish, Add	*103.96*	
		For Color Anodized Finish, Add	*145.55*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	145.13	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.32*	
		For Clear Anodized Finish, Add	*6.93*	
		For Color Anodized Finish, Add	*9.70*	
08 51 13 00-0212		3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*		
08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,812.09	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*98.31*	
		For Clear Anodized Finish, Add	*81.92*	
		For Color Anodized Finish, Add	*114.69*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,031.57	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*110.83*	
		For Clear Anodized Finish, Add	*92.36*	
		For Color Anodized Finish, Add	*129.30*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,288.41	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*125.59*	
		For Clear Anodized Finish, Add	*104.66*	
		For Color Anodized Finish, Add	*146.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	146.05	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.37*	
		For Clear Anodized Finish, Add	*6.98*	
		For Color Anodized Finish, Add	*9.77*	
08 51 13 00-0217		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*		
08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	1,917.63	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*104.64*	
		For Clear Anodized Finish, Add	*87.20*	
		For Color Anodized Finish, Add	*122.08*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,154.52	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.20*	
		For Clear Anodized Finish, Add	*98.50*	
		For Color Anodized Finish, Add	*137.90*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,431.65	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*134.18*	
		For Clear Anodized Finish, Add	*111.82*	
		For Color Anodized Finish, Add	*156.54*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	155.62	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.95*	
		For Clear Anodized Finish, Add	*7.46*	
		For Color Anodized Finish, Add	*10.44*	
08 51 13 00-0222		Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0200)*		
08 51 13 00-0223		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0222)*		
08 51 13 00-0224	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,369.52	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*71.76*	
		For Clear Anodized Finish, Add	*59.80*	
		For Color Anodized Finish, Add	*83.71*	
08 51 13 00-0225	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,515.96	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.89*	
		For Clear Anodized Finish, Add	*66.58*	
		For Color Anodized Finish, Add	*93.21*	
08 51 13 00-0226	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,687.74	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.55*	
		For Clear Anodized Finish, Add	*74.62*	
		For Color Anodized Finish, Add	*104.47*	
08 51 13 00-0227	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	105.99	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.97*	
		For Clear Anodized Finish, Add	*4.97*	
		For Color Anodized Finish, Add	*6.96*	
08 51 13 00-0228		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0222)*		
08 51 13 00-0229	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,989.11	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.93*	
		For Clear Anodized Finish, Add	*90.78*	
		For Color Anodized Finish, Add	*127.09*	
08 51 13 00-0230	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,237.79	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*123.20*	
		For Clear Anodized Finish, Add	*102.67*	
		For Color Anodized Finish, Add	*143.73*	
08 51 13 00-0231	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,528.68	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.00*	
		For Clear Anodized Finish, Add	*116.67*	
		For Color Anodized Finish, Add	*163.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0232	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	162.08	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.33*	
		For Clear Anodized Finish, Add	*7.78*	
		For Color Anodized Finish, Add	*10.89*	

08 51 13 00-0233 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0222)*

08 51 13 00-0234	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,217.22	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.62*	
		For Clear Anodized Finish, Add	*102.18*	
		For Color Anodized Finish, Add	*143.05*	
08 51 13 00-0235	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,503.56	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.15*	
		For Clear Anodized Finish, Add	*115.96*	
		For Color Anodized Finish, Add	*162.34*	
08 51 13 00-0236	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,838.25	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.58*	
		For Clear Anodized Finish, Add	*132.15*	
		For Color Anodized Finish, Add	*185.01*	
08 51 13 00-0237	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	182.69	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.57*	
		For Clear Anodized Finish, Add	*8.81*	
		For Color Anodized Finish, Add	*12.33*	

08 51 13 00-0238 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0222)*

08 51 13 00-0239	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,424.87	104.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*135.08*	
		For Clear Anodized Finish, Add	*112.56*	
		For Color Anodized Finish, Add	*157.59*	
08 51 13 00-0240	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,745.49	110.67
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*153.66*	
		For Clear Anodized Finish, Add	*128.05*	
		For Color Anodized Finish, Add	*179.27*	
08 51 13 00-0241	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,120.11	117.18
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*175.49*	
		For Clear Anodized Finish, Add	*146.24*	
		For Color Anodized Finish, Add	*204.74*	
08 51 13 00-0242	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	201.50	3.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.70*	
		For Clear Anodized Finish, Add	*9.75*	
		For Color Anodized Finish, Add	*13.65*	

08 51 13 00-0243 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0244 Aluminum Window Mullions *(08 51 13 00-0243)*

08 51 13 00-0245	LF	Integral Mullions For Aluminum Windows	38.44	4.88
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.76*	
		For Clear Anodized Finish, Add	*1.47*	
		For Color Anodized Finish, Add	*2.06*	

08 51 13 00-0246 Aluminum Window Panning *(08 51 13 00-0243)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0247	EA	Up To 6 SF Window, Aluminum Window Panning	417.21	41.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.92*	
		For Clear Anodized Finish, Add	*17.43*	
		For Color Anodized Finish, Add	*24.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0248	EA	>6 To 10 SF Window, Aluminum Window Panning	563.74	68.57
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.97*	
		For Clear Anodized Finish, Add	*22.47*	
		For Color Anodized Finish, Add	*31.46*	
08 51 13 00-0249	EA	>10 To 15 SF Window, Aluminum Window Panning	662.91	102.87
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.49*	
		For Clear Anodized Finish, Add	*24.57*	
		For Color Anodized Finish, Add	*34.40*	
08 51 13 00-0250	EA	>15 To 20 SF Window, Aluminum Window Panning	770.46	137.16
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.51*	
		For Clear Anodized Finish, Add	*27.09*	
		For Color Anodized Finish, Add	*37.93*	
08 51 13 00-0251	EA	>20 To 30 SF Window, Aluminum Window Panning	981.37	205.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.31*	
		For Clear Anodized Finish, Add	*31.92*	
		For Color Anodized Finish, Add	*44.69*	
08 51 13 00-0252	SF	>30 SF Window, Aluminum Window Panning	34.24	8.58
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.20*	
		For Clear Anodized Finish, Add	*1.00*	
		For Color Anodized Finish, Add	*1.40*	
08 51 13 00-0253		**Aluminum Window Muntins, Grilles Or Dividers** *(08 51 13 00-0243)*		
08 51 13 00-0254	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	8.40	4.88
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.11*	
		For Clear Anodized Finish, Add	*0.09*	
		For Color Anodized Finish, Add	*0.13*	
08 51 13 00-0255	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	13.86	4.88
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.44*	
		For Clear Anodized Finish, Add	*0.37*	
		For Color Anodized Finish, Add	*0.51*	
08 51 13 00-0256	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	26.78	4.88
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.63*	
		For Clear Anodized Finish, Add	*0.53*	
		For Color Anodized Finish, Add	*0.74*	
08 51 13 00-0257	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	33.14	4.88
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.88*	
		For Clear Anodized Finish, Add	*0.74*	
		For Color Anodized Finish, Add	*1.03*	
08 51 13 00-0258		**Other Aluminum Window Accessories** *(08 51 13 00-0243)*		
08 51 13 00-0259	EA	Roto Operator For Casement Aluminum Windows	353.53	21.69
08 51 13 00-0260	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	168.71	21.69

08 51 19 Stainless-Steel Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001		**Stainless Steel Windows Types** *(08 51 19)*		
08 51 19 00-0002		**Industrial** *(08 51 19 00-0001)*		
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	118.36	6.51
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	88.02	6.51
08 51 19 00-0005		**Projected Sash** *(08 51 19 00-0001)*		
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	124.02	6.51
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	137.44	6.51
08 51 19 00-0008		**Other Type Sash** *(08 51 19 00-0001)*		
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	150.82	6.51
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	105.24	6.51
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	87.12	6.51
08 51 19 00-0012	SF	Sliding Stainless Steel Window	155.73	6.51
08 51 19 00-0013		**Casements** *(08 51 19 00-0001)*		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	134.66	6.51
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	115.80	6.51
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	80.21	6.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23		**Steel Windows** *(08 51)*		
		Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001		Steel Windows *(08 51 23)*		
08 51 23 00-0002		Industrial *(08 51 23 00-0001)*		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	54.03	6.51
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	48.77	6.51
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	75.58	6.51
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	65.07	6.51
08 51 23 00-0007		Projected Sash *(08 51 23 00-0001)*		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	59.69	6.51
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	65.47	6.51
08 51 23 00-0010		Other Type Sash *(08 51 23 00-0001)*		
08 51 23 00-0011	SF	Double Hung Steel Window Sash	75.68	6.51
08 51 23 00-0012	SF	Steel Picture Window Sash	34.52	6.51
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	77.96	8.14
08 51 23 00-0014	SF	Single Hung Steel Window Sash	54.57	6.51
08 51 23 00-0015		Casements *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	68.21	3.25
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	59.47	3.25
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	42.98	4.88
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	26.35	4.88
08 51 23 00-0021	LF	Covered Steel Mullions	42.88	4.88
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*		
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	16.78	
08 51 69		**Metal Storm Windows** *(08 51)*		
08 51 69 00-0001		Storm Windows *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	49.41	3.25
08 52		**Wood Windows** *(08 50)*		
08 52 11		**Wood Windows** *(08 52)*		
08 52 11 00-0001		Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11)*		
		Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002		30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	329.26	
		For Low-E Insulated Glass, Add	*27.81*	
		For Aluminum Clad Exterior, Add	*29.79*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	349.62	
		For Low-E Insulated Glass, Add	*29.81*	
		For Aluminum Clad Exterior, Add	*31.94*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	371.42	
		For Low-E Insulated Glass, Add	*32.01*	
		For Aluminum Clad Exterior, Add	*34.29*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	383.02	
		For Low-E Insulated Glass, Add	*33.21*	
		For Aluminum Clad Exterior, Add	*35.58*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	393.21	
		For Low-E Insulated Glass, Add	*34.21*	
		For Aluminum Clad Exterior, Add	*36.65*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	406.26	
		For Low-E Insulated Glass, Add	*35.61*	
		For Aluminum Clad Exterior, Add	*38.15*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	412.19	
		For Low-E Insulated Glass, Add	*36.02*	
		For Aluminum Clad Exterior, Add	*38.59*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	438.23	
		For Low-E Insulated Glass, Add	*38.81*	
		For Aluminum Clad Exterior, Add	*41.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	460.02	
		For Low-E Insulated Glass, Add	*41.01*	
		For Aluminum Clad Exterior, Add	*43.94*	

08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	349.62	
		For Low-E Insulated Glass, Add	*29.81*	
		For Aluminum Clad Exterior, Add	*31.94*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	371.42	
		For Low-E Insulated Glass, Add	*32.01*	
		For Aluminum Clad Exterior, Add	*34.29*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	390.17	
		For Low-E Insulated Glass, Add	*34.21*	
		For Aluminum Clad Exterior, Add	*36.65*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	406.26	
		For Low-E Insulated Glass, Add	*35.61*	
		For Aluminum Clad Exterior, Add	*38.15*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	416.43	
		For Low-E Insulated Glass, Add	*36.61*	
		For Aluminum Clad Exterior, Add	*39.22*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	428.05	
		For Low-E Insulated Glass, Add	*37.81*	
		For Aluminum Clad Exterior, Add	*40.51*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	438.23	
		For Low-E Insulated Glass, Add	*38.81*	
		For Aluminum Clad Exterior, Add	*41.58*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	460.02	
		For Low-E Insulated Glass, Add	*41.01*	
		For Aluminum Clad Exterior, Add	*43.94*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	481.82	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	359.71	
		For Low-E Insulated Glass, Add	*31.01*	
		For Aluminum Clad Exterior, Add	*33.22*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	381.51	
		For Low-E Insulated Glass, Add	*33.21*	
		For Aluminum Clad Exterior, Add	*35.58*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	404.74	
		For Low-E Insulated Glass, Add	*35.61*	
		For Aluminum Clad Exterior, Add	*38.15*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	414.92	
		For Low-E Insulated Glass, Add	*36.61*	
		For Aluminum Clad Exterior, Add	*39.22*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	426.53	
		For Low-E Insulated Glass, Add	*37.81*	
		For Aluminum Clad Exterior, Add	*40.51*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	436.71	
		For Low-E Insulated Glass, Add	*38.81*	
		For Aluminum Clad Exterior, Add	*41.58*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	448.33	
		For Low-E Insulated Glass, Add	*40.01*	
		For Aluminum Clad Exterior, Add	*42.87*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	468.68	
		For Low-E Insulated Glass, Add	*42.01*	
		For Aluminum Clad Exterior, Add	*45.01*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	490.48	
		For Low-E Insulated Glass, Add	*44.21*	
		For Aluminum Clad Exterior, Add	*47.37*	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	372.94	
		For Low-E Insulated Glass, Add	*32.01*	
		For Aluminum Clad Exterior, Add	*34.29*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	394.74	
		For Low-E Insulated Glass, Add	*34.21*	
		For Aluminum Clad Exterior, Add	*36.65*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	417.95	
		For Low-E Insulated Glass, Add	*36.61*	
		For Aluminum Clad Exterior, Add	*39.22*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	429.57	
		For Low-E Insulated Glass, Add	*37.81*	
		For Aluminum Clad Exterior, Add	*40.51*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	439.75	
		For Low-E Insulated Glass, Add	*38.81*	
		For Aluminum Clad Exterior, Add	*41.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	451.36	
		For Low-E Insulated Glass, Add	*40.01*	
		For Aluminum Clad Exterior, Add	*42.87*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	461.54	
		For Low-E Insulated Glass, Add	*41.01*	
		For Aluminum Clad Exterior, Add	*43.94*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	483.34	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	505.13	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0042		46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	416.43	
		For Low-E Insulated Glass, Add	*36.61*	
		For Aluminum Clad Exterior, Add	*39.22*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	438.23	
		For Low-E Insulated Glass, Add	*38.81*	
		For Aluminum Clad Exterior, Add	*41.58*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	460.02	
		For Low-E Insulated Glass, Add	*41.01*	
		For Aluminum Clad Exterior, Add	*43.94*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	470.21	
		For Low-E Insulated Glass, Add	*42.01*	
		For Aluminum Clad Exterior, Add	*45.01*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	481.82	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	492.00	
		For Low-E Insulated Glass, Add	*44.21*	
		For Aluminum Clad Exterior, Add	*47.37*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	503.62	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	525.40	
		For Low-E Insulated Glass, Add	*47.61*	
		For Aluminum Clad Exterior, Add	*51.01*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	548.63	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0052		48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	426.53	
		For Low-E Insulated Glass, Add	*37.81*	
		For Aluminum Clad Exterior, Add	*40.51*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	448.33	
		For Low-E Insulated Glass, Add	*40.01*	
		For Aluminum Clad Exterior, Add	*42.87*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	468.68	
		For Low-E Insulated Glass, Add	*42.01*	
		For Aluminum Clad Exterior, Add	*45.01*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	480.30	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	490.48	
		For Low-E Insulated Glass, Add	*44.21*	
		For Aluminum Clad Exterior, Add	*47.37*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	502.10	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	512.27	
		For Low-E Insulated Glass, Add	*46.41*	
		For Aluminum Clad Exterior, Add	*49.73*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	535.50	
		For Low-E Insulated Glass, Add	*48.81*	
		For Aluminum Clad Exterior, Add	*52.30*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	557.30	
		For Low-E Insulated Glass, Add	*51.01*	
		For Aluminum Clad Exterior, Add	*54.66*	
08 52 11 00-0062		50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	439.75	
		For Low-E Insulated Glass, Add	*38.81*	
		For Aluminum Clad Exterior, Add	*41.58*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	461.54	
		For Low-E Insulated Glass, Add	*41.01*	
		For Aluminum Clad Exterior, Add	*43.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	483.34	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	493.52	
		For Low-E Insulated Glass, Add	*44.21*	
		For Aluminum Clad Exterior, Add	*47.37*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	505.13	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	515.31	
		For Low-E Insulated Glass, Add	*46.41*	
		For Aluminum Clad Exterior, Add	*49.73*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	526.92	
		For Low-E Insulated Glass, Add	*47.61*	
		For Aluminum Clad Exterior, Add	*51.01*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	550.15	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	571.94	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	461.54	
		For Low-E Insulated Glass, Add	*41.01*	
		For Aluminum Clad Exterior, Add	*43.94*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	483.34	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	505.13	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	515.31	
		For Low-E Insulated Glass, Add	*46.41*	
		For Aluminum Clad Exterior, Add	*49.73*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	526.92	
		For Low-E Insulated Glass, Add	*47.61*	
		For Aluminum Clad Exterior, Add	*51.01*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	538.54	
		For Low-E Insulated Glass, Add	*48.81*	
		For Aluminum Clad Exterior, Add	*52.30*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	550.15	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	571.94	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	593.74	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	481.82	
		For Low-E Insulated Glass, Add	*43.21*	
		For Aluminum Clad Exterior, Add	*46.30*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	503.62	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	525.40	
		For Low-E Insulated Glass, Add	*47.61*	
		For Aluminum Clad Exterior, Add	*51.01*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	537.02	
		For Low-E Insulated Glass, Add	*48.81*	
		For Aluminum Clad Exterior, Add	*52.30*	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	548.63	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	558.82	
		For Low-E Insulated Glass, Add	*51.01*	
		For Aluminum Clad Exterior, Add	*54.66*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	570.43	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	592.22	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	612.59	
		For Low-E Insulated Glass, Add	*56.41*	
		For Aluminum Clad Exterior, Add	*60.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0092		**60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	490.48	
		For Low-E Insulated Glass, Add	*44.21*	
		For Aluminum Clad Exterior, Add	*47.37*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	512.27	
		For Low-E Insulated Glass, Add	*46.41*	
		For Aluminum Clad Exterior, Add	*49.73*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	535.50	
		For Low-E Insulated Glass, Add	*48.81*	
		For Aluminum Clad Exterior, Add	*52.30*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	547.11	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	557.30	
		For Low-E Insulated Glass, Add	*51.01*	
		For Aluminum Clad Exterior, Add	*54.66*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	568.91	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	579.08	
		For Low-E Insulated Glass, Add	*53.21*	
		For Aluminum Clad Exterior, Add	*57.01*	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	600.88	
		For Low-E Insulated Glass, Add	*55.41*	
		For Aluminum Clad Exterior, Add	*59.37*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	622.68	
		For Low-E Insulated Glass, Add	*57.61*	
		For Aluminum Clad Exterior, Add	*61.73*	
08 52 11 00-0102		**62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	505.13	
		For Low-E Insulated Glass, Add	*45.41*	
		For Aluminum Clad Exterior, Add	*48.66*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	526.92	
		For Low-E Insulated Glass, Add	*47.61*	
		For Aluminum Clad Exterior, Add	*51.01*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	550.15	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	560.34	
		For Low-E Insulated Glass, Add	*51.01*	
		For Aluminum Clad Exterior, Add	*54.66*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	571.94	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	582.12	
		For Low-E Insulated Glass, Add	*53.21*	
		For Aluminum Clad Exterior, Add	*57.01*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	593.74	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	614.11	
		For Low-E Insulated Glass, Add	*56.41*	
		For Aluminum Clad Exterior, Add	*60.44*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	635.90	
		For Low-E Insulated Glass, Add	*58.62*	
		For Aluminum Clad Exterior, Add	*62.80*	
08 52 11 00-0112		**66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	526.92	
		For Low-E Insulated Glass, Add	*47.61*	
		For Aluminum Clad Exterior, Add	*51.01*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	550.15	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	571.94	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	582.12	
		For Low-E Insulated Glass, Add	*53.21*	
		For Aluminum Clad Exterior, Add	*57.01*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	593.74	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	603.91	
		For Low-E Insulated Glass, Add	*55.41*	
		For Aluminum Clad Exterior, Add	*59.37*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	614.11	
		For Low-E Insulated Glass, Add	*56.41*	
		For Aluminum Clad Exterior, Add	*60.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	635.90	
		For Low-E Insulated Glass, Add	*58.62*	
		For Aluminum Clad Exterior, Add	*62.80*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	657.69	
		For Low-E Insulated Glass, Add	*60.81*	
		For Aluminum Clad Exterior, Add	*65.16*	
08 52 11 00-0122		70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	548.63	
		For Low-E Insulated Glass, Add	*50.01*	
		For Aluminum Clad Exterior, Add	*53.58*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	570.43	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	592.22	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	602.39	
		For Low-E Insulated Glass, Add	*55.41*	
		For Aluminum Clad Exterior, Add	*59.37*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	612.59	
		For Low-E Insulated Glass, Add	*56.41*	
		For Aluminum Clad Exterior, Add	*60.44*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	628.44	
		For Low-E Insulated Glass, Add	*58.21*	
		For Aluminum Clad Exterior, Add	*62.37*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	635.87	
		For Low-E Insulated Glass, Add	*58.82*	
		For Aluminum Clad Exterior, Add	*63.03*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	656.17	
		For Low-E Insulated Glass, Add	*60.81*	
		For Aluminum Clad Exterior, Add	*65.16*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	679.39	
		For Low-E Insulated Glass, Add	*63.22*	
		For Aluminum Clad Exterior, Add	*67.73*	
08 52 11 00-0132		74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	571.94	
		For Low-E Insulated Glass, Add	*52.21*	
		For Aluminum Clad Exterior, Add	*55.94*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	593.74	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	614.11	
		For Low-E Insulated Glass, Add	*56.41*	
		For Aluminum Clad Exterior, Add	*60.44*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	625.72	
		For Low-E Insulated Glass, Add	*57.61*	
		For Aluminum Clad Exterior, Add	*61.73*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	635.90	
		For Low-E Insulated Glass, Add	*58.62*	
		For Aluminum Clad Exterior, Add	*62.80*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	647.51	
		For Low-E Insulated Glass, Add	*59.82*	
		For Aluminum Clad Exterior, Add	*64.09*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	657.69	
		For Low-E Insulated Glass, Add	*60.81*	
		For Aluminum Clad Exterior, Add	*65.16*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	680.92	
		For Low-E Insulated Glass, Add	*63.22*	
		For Aluminum Clad Exterior, Add	*67.73*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	702.71	
		For Low-E Insulated Glass, Add	*65.42*	
		For Aluminum Clad Exterior, Add	*70.09*	
08 52 11 00-0142		78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	599.82	
		For Low-E Insulated Glass, Add	*54.41*	
		For Aluminum Clad Exterior, Add	*58.30*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	620.18	
		For Low-E Insulated Glass, Add	*56.41*	
		For Aluminum Clad Exterior, Add	*60.44*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	641.98	
		For Low-E Insulated Glass, Add	*58.62*	
		For Aluminum Clad Exterior, Add	*62.80*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	653.58	
		For Low-E Insulated Glass, Add	*59.82*	
		For Aluminum Clad Exterior, Add	*64.09*	

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0147		EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	663.77	
			For Low-E Insulated Glass, Add	*60.81*	
			For Aluminum Clad Exterior, Add	*65.16*	
08 52 11 00-0148		EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	675.39	
			For Low-E Insulated Glass, Add	*62.02*	
			For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0149		EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	686.99	
			For Low-E Insulated Glass, Add	*63.22*	
			For Aluminum Clad Exterior, Add	*67.73*	
08 52 11 00-0150		EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	708.79	
			For Low-E Insulated Glass, Add	*65.42*	
			For Aluminum Clad Exterior, Add	*70.09*	
08 52 11 00-0151		EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	730.58	
			For Low-E Insulated Glass, Add	*67.62*	
			For Aluminum Clad Exterior, Add	*72.45*	
08 52 11 00-0152			Commercial And Institutional Heavy Double Hung Windows *(08 52 11)*		
			Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153		SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	229.13	13.57
			For Insulating Glass, Add	*17.17*	
08 52 11 00-0154		SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	211.02	15.09
			For Insulating Glass, Add	*15.37*	
08 52 11 00-0155		SF	40 SF And Over Double Hung Wood Window With True Divided Lite	193.08	16.93
			For Insulating Glass, Add	*13.53*	
08 52 11 00-0156			Architectural And Historic Reproduction Wood Windows *(08 52 11)*		
			Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157		SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	250.44	13.56
			For Insulating Glass, Add	*18.98*	
08 52 11 00-0158		SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	222.53	15.08
			For Insulating Glass, Add	*16.35*	
08 52 11 00-0159		SF	40 SF And Over Architectural And Historic Reproduction Wood Window	199.83	16.92
			For Insulating Glass, Add	*14.10*	
08 52 11 00-0160			Removal And Reinstallation Of Wood Window And Frame *(08 52 11)*		
			Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161		SF	Removal And Reinstallation Of Wood Windows And Frames	27.07	
08 52 13			**Metal-Clad Wood Windows** *(08 52)*		
08 52 13 00-0001			Double Hung Metal Clad Windows *(08 52 13)*		
08 52 13 00-0002			Double Hung Metal Clad Windows *(08 52 13 00-0001)*		
			Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003			36-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0004		EA	21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	692.22	49.91
			For Tempered Low-E Insulated Glass, Add	*118.70*	
08 52 13 00-0005		EA	25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	735.33	51.54
			For Tempered Low-E Insulated Glass, Add	*126.45*	
08 52 13 00-0006		EA	29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	780.85	53.71
			For Tempered Low-E Insulated Glass, Add	*134.69*	
08 52 13 00-0007		EA	31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	804.83	55.33
			For Tempered Low-E Insulated Glass, Add	*139.05*	
08 52 13 00-0008		EA	33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.38	56.42
			For Tempered Low-E Insulated Glass, Add	*142.92*	
08 52 13 00-0009		EA	35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	847.93	57.51
			For Tempered Low-E Insulated Glass, Add	*146.80*	
08 52 13 00-0010		EA	37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	871.90	58.05
			For Tempered Low-E Insulated Glass, Add	*151.16*	
08 52 13 00-0011		EA	41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.99	60.22
			For Tempered Low-E Insulated Glass, Add	*158.91*	
08 52 13 00-0012		EA	45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.39
			For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0013			40-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0014		EA	21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	735.33	52.08
			For Tempered Low-E Insulated Glass, Add	*126.45*	
08 52 13 00-0015		EA	25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	780.85	53.71
			For Tempered Low-E Insulated Glass, Add	*134.69*	
08 52 13 00-0016		EA	29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.38	55.88
			For Tempered Low-E Insulated Glass, Add	*142.92*	
08 52 13 00-0017		EA	31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	847.93	57.51
			For Tempered Low-E Insulated Glass, Add	*146.80*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0018	EA	33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	871.90	58.60
		For Tempered Low-E Insulated Glass, Add	*151.16*	
08 52 13 00-0019	EA	35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	893.45	59.67
		For Tempered Low-E Insulated Glass, Add	*155.04*	
08 52 13 00-0020	EA	37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.99	60.22
		For Tempered Low-E Insulated Glass, Add	*158.91*	
08 52 13 00-0021	EA	41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.39
		For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0022	EA	45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	64.56
		For Tempered Low-E Insulated Glass, Add	*175.38*	

08 52 13 00-0023 44-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0024	EA	21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	780.85	54.25
		For Tempered Low-E Insulated Glass, Add	*134.69*	
08 52 13 00-0025	EA	25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.38	55.88
		For Tempered Low-E Insulated Glass, Add	*142.92*	
08 52 13 00-0026	EA	29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	871.90	58.05
		For Tempered Low-E Insulated Glass, Add	*151.16*	
08 52 13 00-0027	EA	31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	893.45	59.67
		For Tempered Low-E Insulated Glass, Add	*155.04*	
08 52 13 00-0028	EA	33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.99	60.76
		For Tempered Low-E Insulated Glass, Add	*158.91*	
08 52 13 00-0029	EA	35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	938.96	61.85
		For Tempered Low-E Insulated Glass, Add	*163.27*	
08 52 13 00-0030	EA	37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.39
		For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0031	EA	41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	64.56
		For Tempered Low-E Insulated Glass, Add	*175.38*	
08 52 13 00-0032	EA	45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	66.73
		For Tempered Low-E Insulated Glass, Add	*183.62*	

08 52 13 00-0033 48-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0034	EA	21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.38	56.42
		For Tempered Low-E Insulated Glass, Add	*142.92*	
08 52 13 00-0035	EA	25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	871.90	58.05
		For Tempered Low-E Insulated Glass, Add	*151.16*	
08 52 13 00-0036	EA	29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.99	60.22
		For Tempered Low-E Insulated Glass, Add	*158.91*	
08 52 13 00-0037	EA	31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	938.96	61.85
		For Tempered Low-E Insulated Glass, Add	*163.27*	
08 52 13 00-0038	EA	33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.94
		For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0039	EA	35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	982.06	64.01
		For Tempered Low-E Insulated Glass, Add	*171.02*	
08 52 13 00-0040	EA	37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	64.56
		For Tempered Low-E Insulated Glass, Add	*175.38*	
08 52 13 00-0041	EA	41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	66.73
		For Tempered Low-E Insulated Glass, Add	*183.62*	
08 52 13 00-0042	EA	45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	68.90
		For Tempered Low-E Insulated Glass, Add	*191.37*	

08 52 13 00-0043 52-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0044	EA	21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	871.90	58.60
		For Tempered Low-E Insulated Glass, Add	*151.16*	
08 52 13 00-0045	EA	25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.99	60.22
		For Tempered Low-E Insulated Glass, Add	*158.91*	
08 52 13 00-0046	EA	29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.39
		For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0047	EA	31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	982.06	64.01
		For Tempered Low-E Insulated Glass, Add	*171.02*	
08 52 13 00-0048	EA	33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	65.10
		For Tempered Low-E Insulated Glass, Add	*175.38*	
08 52 13 00-0049	EA	35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,027.58	66.19
		For Tempered Low-E Insulated Glass, Add	*179.26*	
08 52 13 00-0050	EA	37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	66.73
		For Tempered Low-E Insulated Glass, Add	*183.62*	
08 52 13 00-0051	EA	41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	68.90
		For Tempered Low-E Insulated Glass, Add	*191.37*	
08 52 13 00-0052	EA	45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.07
		For Tempered Low-E Insulated Glass, Add	*199.61*	

08 52 13 00-0053 56-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0054	EA	21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.99	60.76
		For Tempered Low-E Insulated Glass, Add	*158.91*	
08 52 13 00-0055	EA	25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.39
		For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0056	EA	29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	64.56
		For Tempered Low-E Insulated Glass, Add	*175.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0057	EA	31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,027.58	66.19
		For Tempered Low-E Insulated Glass, Add	*179.26*	
08 52 13 00-0058	EA	33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	67.27
		For Tempered Low-E Insulated Glass, Add	*183.62*	
08 52 13 00-0059	EA	35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,073.11	68.35
		For Tempered Low-E Insulated Glass, Add	*187.50*	
08 52 13 00-0060	EA	37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	68.90
		For Tempered Low-E Insulated Glass, Add	*191.37*	
08 52 13 00-0061	EA	41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.07
		For Tempered Low-E Insulated Glass, Add	*199.61*	
08 52 13 00-0062	EA	45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.69	73.24
		For Tempered Low-E Insulated Glass, Add	*207.84*	
08 52 13 00-0063		**60-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0064	EA	21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.50	62.94
		For Tempered Low-E Insulated Glass, Add	*167.15*	
08 52 13 00-0065	EA	25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	64.56
		For Tempered Low-E Insulated Glass, Add	*175.38*	
08 52 13 00-0066	EA	29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	66.73
		For Tempered Low-E Insulated Glass, Add	*183.62*	
08 52 13 00-0067	EA	31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,073.11	68.35
		For Tempered Low-E Insulated Glass, Add	*187.50*	
08 52 13 00-0068	EA	33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	69.44
		For Tempered Low-E Insulated Glass, Add	*191.37*	
08 52 13 00-0069	EA	35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,118.63	70.53
		For Tempered Low-E Insulated Glass, Add	*195.73*	
08 52 13 00-0070	EA	37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.07
		For Tempered Low-E Insulated Glass, Add	*199.61*	
08 52 13 00-0071	EA	41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.69	73.24
		For Tempered Low-E Insulated Glass, Add	*207.84*	
08 52 13 00-0072	EA	45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,228.79	75.40
		For Tempered Low-E Insulated Glass, Add	*215.59*	
08 52 13 00-0073		**64-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0074	EA	21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,006.02	65.10
		For Tempered Low-E Insulated Glass, Add	*175.38*	
08 52 13 00-0075	EA	25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	66.73
		For Tempered Low-E Insulated Glass, Add	*183.62*	
08 52 13 00-0076	EA	29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	68.90
		For Tempered Low-E Insulated Glass, Add	*191.37*	
08 52 13 00-0077	EA	31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,118.63	70.53
		For Tempered Low-E Insulated Glass, Add	*195.73*	
08 52 13 00-0078	EA	33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.61
		For Tempered Low-E Insulated Glass, Add	*199.61*	
08 52 13 00-0079	EA	35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,161.74	72.70
		For Tempered Low-E Insulated Glass, Add	*203.49*	
08 52 13 00-0080	EA	37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.69	73.24
		For Tempered Low-E Insulated Glass, Add	*207.84*	
08 52 13 00-0081	EA	41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,228.79	75.40
		For Tempered Low-E Insulated Glass, Add	*215.59*	
08 52 13 00-0082	EA	45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,274.32	77.58
		For Tempered Low-E Insulated Glass, Add	*223.83*	
08 52 13 00-0083		**68-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0084	EA	21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,051.56	67.27
		For Tempered Low-E Insulated Glass, Add	*183.62*	
08 52 13 00-0085	EA	25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	68.90
		For Tempered Low-E Insulated Glass, Add	*191.37*	
08 52 13 00-0086	EA	29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.07
		For Tempered Low-E Insulated Glass, Add	*199.61*	
08 52 13 00-0087	EA	31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,161.74	72.70
		For Tempered Low-E Insulated Glass, Add	*203.49*	
08 52 13 00-0088	EA	33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.69	73.78
		For Tempered Low-E Insulated Glass, Add	*207.84*	
08 52 13 00-0089	EA	35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,207.24	74.87
		For Tempered Low-E Insulated Glass, Add	*211.72*	
08 52 13 00-0090	EA	37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,228.79	75.40
		For Tempered Low-E Insulated Glass, Add	*215.59*	
08 52 13 00-0091	EA	41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,274.32	77.58
		For Tempered Low-E Insulated Glass, Add	*223.83*	
08 52 13 00-0092	EA	45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,319.84	79.75
		For Tempered Low-E Insulated Glass, Add	*232.07*	
08 52 13 00-0093		**72-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0094	EA	21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,094.66	69.44
		For Tempered Low-E Insulated Glass, Add	*191.37*	
08 52 13 00-0095	EA	25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.07
		For Tempered Low-E Insulated Glass, Add	*199.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0096	EA	29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.69	73.24
		For Tempered Low-E Insulated Glass, Add	*207.84*	
08 52 13 00-0097	EA	31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,207.24	74.87
		For Tempered Low-E Insulated Glass, Add	*211.72*	
08 52 13 00-0098	EA	33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,228.79	75.95
		For Tempered Low-E Insulated Glass, Add	*215.59*	
08 52 13 00-0099	EA	35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,252.75	77.04
		For Tempered Low-E Insulated Glass, Add	*219.95*	
08 52 13 00-0100	EA	37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,274.32	77.58
		For Tempered Low-E Insulated Glass, Add	*223.83*	
08 52 13 00-0101	EA	41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,319.84	79.75
		For Tempered Low-E Insulated Glass, Add	*232.07*	
08 52 13 00-0102	EA	45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,365.37	81.92
		For Tempered Low-E Insulated Glass, Add	*240.31*	
08 52 13 00-0103		76-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0104	EA	21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,140.19	71.61
		For Tempered Low-E Insulated Glass, Add	*199.61*	
08 52 13 00-0105	EA	25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,185.69	73.24
		For Tempered Low-E Insulated Glass, Add	*207.84*	
08 52 13 00-0106	EA	29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,228.79	75.40
		For Tempered Low-E Insulated Glass, Add	*215.59*	
08 52 13 00-0107	EA	31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,252.75	77.04
		For Tempered Low-E Insulated Glass, Add	*219.95*	
08 52 13 00-0108	EA	33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,274.32	78.12
		For Tempered Low-E Insulated Glass, Add	*223.83*	
08 52 13 00-0109	EA	35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,298.28	79.21
		For Tempered Low-E Insulated Glass, Add	*228.19*	
08 52 13 00-0110	EA	37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,319.84	79.75
		For Tempered Low-E Insulated Glass, Add	*232.07*	
08 52 13 00-0111	EA	41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,365.37	81.92
		For Tempered Low-E Insulated Glass, Add	*240.31*	
08 52 13 00-0112	EA	45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,408.47	84.09
		For Tempered Low-E Insulated Glass, Add	*248.06*	
08 52 13 00-0113		84-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0114	EA	21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,805.34	75.95
		For Tempered Low-E Insulated Glass, Add	*330.90*	
08 52 13 00-0115	EA	25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,870.25	77.58
		For Tempered Low-E Insulated Glass, Add	*343.02*	
08 52 13 00-0116	EA	29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,935.13	79.75
		For Tempered Low-E Insulated Glass, Add	*355.13*	
08 52 13 00-0117	EA	31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,966.37	81.38
		For Tempered Low-E Insulated Glass, Add	*360.94*	
08 52 13 00-0118	EA	33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,000.04	82.46
		For Tempered Low-E Insulated Glass, Add	*367.24*	
08 52 13 00-0119	EA	35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,031.28	83.55
		For Tempered Low-E Insulated Glass, Add	*373.05*	
08 52 13 00-0120	EA	37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,062.52	84.09
		For Tempered Low-E Insulated Glass, Add	*378.87*	
08 52 13 00-0121	EA	41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,127.43	86.26
		For Tempered Low-E Insulated Glass, Add	*390.98*	
08 52 13 00-0122	EA	45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,192.31	88.43
		For Tempered Low-E Insulated Glass, Add	*403.09*	
08 52 13 00-0123		88-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0124	EA	21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,870.25	78.12
		For Tempered Low-E Insulated Glass, Add	*343.02*	
08 52 13 00-0125	EA	25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,935.13	79.75
		For Tempered Low-E Insulated Glass, Add	*355.13*	
08 52 13 00-0126	EA	29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,000.04	81.92
		For Tempered Low-E Insulated Glass, Add	*367.24*	
08 52 13 00-0127	EA	31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,031.28	83.55
		For Tempered Low-E Insulated Glass, Add	*373.05*	
08 52 13 00-0128	EA	33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,062.52	84.63
		For Tempered Low-E Insulated Glass, Add	*378.87*	
08 52 13 00-0129	EA	35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,096.18	85.72
		For Tempered Low-E Insulated Glass, Add	*385.17*	
08 52 13 00-0130	EA	37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,127.43	86.26
		For Tempered Low-E Insulated Glass, Add	*390.98*	
08 52 13 00-0131	EA	41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,192.31	88.43
		For Tempered Low-E Insulated Glass, Add	*403.09*	
08 52 13 00-0132	EA	45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,257.22	90.60
		For Tempered Low-E Insulated Glass, Add	*415.20*	
08 52 13 00-0133		Casement Metal Clad Windows *(08 52 13)*		
08 52 13 00-0134		Casement Metal Clad Windows *(08 52 13 00-0133)*		

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0135		One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0136		24-1/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0137	EA	17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	439.73	41.23
		For Tempered Low-E Insulated Glass, Add	*71.67*	
08 52 13 00-0138	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	465.22	42.32
		For Tempered Low-E Insulated Glass, Add	*76.12*	
08 52 13 00-0139	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	493.62	44.49
		For Tempered Low-E Insulated Glass, Add	*80.93*	
08 52 13 00-0140	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	519.81	46.66
		For Tempered Low-E Insulated Glass, Add	*85.30*	
08 52 13 00-0141		28-3/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0142	EA	17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	471.85	43.40
		For Tempered Low-E Insulated Glass, Add	*77.23*	
08 52 13 00-0143	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	497.34	44.49
		For Tempered Low-E Insulated Glass, Add	*81.67*	
08 52 13 00-0144	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	525.77	46.66
		For Tempered Low-E Insulated Glass, Add	*86.49*	
08 52 13 00-0145	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	539.61	48.83
		For Tempered Low-E Insulated Glass, Add	*88.39*	
08 52 13 00-0146	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	572.73	50.99
		For Tempered Low-E Insulated Glass, Add	*94.36*	
08 52 13 00-0147		35-15/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0148	EA	17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	529.46	46.66
		For Tempered Low-E Insulated Glass, Add	*87.23*	
08 52 13 00-0149	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	556.80	48.83
		For Tempered Low-E Insulated Glass, Add	*92.05*	
08 52 13 00-0150	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	585.24	50.46
		For Tempered Low-E Insulated Glass, Add	*96.87*	
08 52 13 00-0151	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	630.35	52.62
		For Tempered Low-E Insulated Glass, Add	*105.02*	
08 52 13 00-0152	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	673.35	54.25
		For Tempered Low-E Insulated Glass, Add	*112.97*	
08 52 13 00-0153	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	715.41	55.33
		For Tempered Low-E Insulated Glass, Add	*120.95*	
08 52 13 00-0154		40-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0155	EA	17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	568.25	49.91
		For Tempered Low-E Insulated Glass, Add	*93.90*	
08 52 13 00-0156	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	593.72	50.99
		For Tempered Low-E Insulated Glass, Add	*98.35*	
08 52 13 00-0157	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	622.15	53.17
		For Tempered Low-E Insulated Glass, Add	*103.16*	
08 52 13 00-0158	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	687.63	55.33
		For Tempered Low-E Insulated Glass, Add	*115.39*	
08 52 13 00-0159	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	732.72	57.51
		For Tempered Low-E Insulated Glass, Add	*123.76*	
08 52 13 00-0160	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	774.90	59.67
		For Tempered Low-E Insulated Glass, Add	*131.33*	
08 52 13 00-0161		48" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0162	EA	17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	623.24	54.25
		For Tempered Low-E Insulated Glass, Add	*103.16*	
08 52 13 00-0163	EA	20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	650.58	55.33
		For Tempered Low-E Insulated Glass, Add	*107.98*	
08 52 13 00-0164	EA	24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	679.02	57.51
		For Tempered Low-E Insulated Glass, Add	*112.80*	
08 52 13 00-0165	EA	28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	769.49	59.67
		For Tempered Low-E Insulated Glass, Add	*130.03*	
08 52 13 00-0166	EA	31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	804.72	61.85
		For Tempered Low-E Insulated Glass, Add	*136.42*	
08 52 13 00-0167	EA	35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	857.67	64.01
		For Tempered Low-E Insulated Glass, Add	*146.14*	
08 52 13 00-0168		52-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0169	EA	17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	660.92	56.42
		For Tempered Low-E Insulated Glass, Add	*109.83*	
08 52 13 00-0170	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	686.42	57.51
		For Tempered Low-E Insulated Glass, Add	*114.28*	
08 52 13 00-0171	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	714.85	59.67
		For Tempered Low-E Insulated Glass, Add	*119.10*	
08 52 13 00-0172	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.64	61.85
		For Tempered Low-E Insulated Glass, Add	*140.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0173	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	879.43	64.01
		For Tempered Low-E Insulated Glass, Add	*150.50*	
08 52 13 00-0174	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	913.90	66.19
		For Tempered Low-E Insulated Glass, Add	*156.52*	
08 52 13 00-0175		59-7/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0176	EA	17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	714.85	59.67
		For Tempered Low-E Insulated Glass, Add	*119.10*	
08 52 13 00-0177	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	742.19	61.85
		For Tempered Low-E Insulated Glass, Add	*123.92*	
08 52 13 00-0178	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	770.59	63.47
		For Tempered Low-E Insulated Glass, Add	*128.73*	
08 52 13 00-0179	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	908.34	65.65
		For Tempered Low-E Insulated Glass, Add	*155.41*	
08 52 13 00-0180	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	945.65	67.27
		For Tempered Low-E Insulated Glass, Add	*162.22*	
08 52 13 00-0181	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	995.58	69.44
		For Tempered Low-E Insulated Glass, Add	*171.34*	
08 52 13 00-0182		64-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0183	EA	17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	753.60	62.94
		For Tempered Low-E Insulated Glass, Add	*125.77*	
08 52 13 00-0184	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	779.11	64.01
		For Tempered Low-E Insulated Glass, Add	*130.21*	
08 52 13 00-0185	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	807.54	66.19
		For Tempered Low-E Insulated Glass, Add	*135.03*	
08 52 13 00-0186	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	965.63	68.35
		For Tempered Low-E Insulated Glass, Add	*165.78*	
08 52 13 00-0187	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,000.32	70.53
		For Tempered Low-E Insulated Glass, Add	*172.07*	
08 52 13 00-0188	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,052.90	72.70
		For Tempered Low-E Insulated Glass, Add	*181.72*	
08 52 13 00-0189		71-7/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0190	EA	17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	807.54	66.19
		For Tempered Low-E Insulated Glass, Add	*135.03*	
08 52 13 00-0191	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	834.86	68.35
		For Tempered Low-E Insulated Glass, Add	*139.85*	
08 52 13 00-0192	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	863.29	69.99
		For Tempered Low-E Insulated Glass, Add	*144.66*	
08 52 13 00-0193	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,047.34	72.15
		For Tempered Low-E Insulated Glass, Add	*180.61*	
08 52 13 00-0194	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,089.99	73.78
		For Tempered Low-E Insulated Glass, Add	*188.48*	
08 52 13 00-0195	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,134.61	75.95
		For Tempered Low-E Insulated Glass, Add	*196.54*	
08 52 13 00-0196		Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0197		24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0198	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	792.50	53.17
		For Tempered Low-E Insulated Glass, Add	*137.23*	
08 52 13 00-0199	EA	48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	901.51	57.51
		For Tempered Low-E Insulated Glass, Add	*157.30*	
08 52 13 00-0200	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,027.95	61.85
		For Tempered Low-E Insulated Glass, Add	*180.85*	
08 52 13 00-0201		28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0202	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	855.63	55.33
		For Tempered Low-E Insulated Glass, Add	*148.99*	
08 52 13 00-0203	EA	48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	964.64	59.67
		For Tempered Low-E Insulated Glass, Add	*169.06*	
08 52 13 00-0204	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,091.08	64.01
		For Tempered Low-E Insulated Glass, Add	*192.61*	
08 52 13 00-0205		35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0206	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	847.74	55.33
		For Tempered Low-E Insulated Glass, Add	*147.41*	
08 52 13 00-0207	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	959.10	59.67
		For Tempered Low-E Insulated Glass, Add	*168.17*	
08 52 13 00-0208	EA	48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,075.23	64.01
		For Tempered Low-E Insulated Glass, Add	*189.66*	
08 52 13 00-0209	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,209.89	67.81
		For Tempered Low-E Insulated Glass, Add	*214.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0210	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,299.99	71.07
		For Tempered Low-E Insulated Glass, Add	*231.57*	
08 52 13 00-0211	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,450.34	75.95
		For Tempered Low-E Insulated Glass, Add	*259.69*	
08 52 13 00-0212		**40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0213	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	925.43	58.05
		For Tempered Low-E Insulated Glass, Add	*161.87*	
08 52 13 00-0214	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,036.77	61.85
		For Tempered Low-E Insulated Glass, Add	*182.61*	
08 52 13 00-0215	EA	48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,152.90	66.19
		For Tempered Low-E Insulated Glass, Add	*204.10*	
08 52 13 00-0216	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,287.57	70.53
		For Tempered Low-E Insulated Glass, Add	*229.30*	
08 52 13 00-0217	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,387.51	73.78
		For Tempered Low-E Insulated Glass, Add	*247.99*	
08 52 13 00-0218	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,811.47	78.67
		For Tempered Low-E Insulated Glass, Add	*330.83*	
08 52 13 00-0219		**48" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0220	EA	33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,039.71	62.39
		For Tempered Low-E Insulated Glass, Add	*182.99*	
08 52 13 00-0221	EA	40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,152.90	66.19
		For Tempered Low-E Insulated Glass, Add	*204.10*	
08 52 13 00-0222	EA	48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,269.04	70.53
		For Tempered Low-E Insulated Glass, Add	*225.60*	
08 52 13 00-0223	EA	56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,403.70	74.87
		For Tempered Low-E Insulated Glass, Add	*250.79*	
08 52 13 00-0224	EA	62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,499.38	78.12
		For Tempered Low-E Insulated Glass, Add	*268.63*	
08 52 13 00-0225	EA	71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,644.14	83.01
		For Tempered Low-E Insulated Glass, Add	*295.63*	
08 52 13 00-0226		**52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0227	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,116.29	64.56
		For Tempered Low-E Insulated Glass, Add	*197.44*	
08 52 13 00-0228	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,227.65	68.35
		For Tempered Low-E Insulated Glass, Add	*218.19*	
08 52 13 00-0229	EA	48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,330.03	72.70
		For Tempered Low-E Insulated Glass, Add	*236.93*	
08 52 13 00-0230	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,478.44	77.04
		For Tempered Low-E Insulated Glass, Add	*264.87*	
08 52 13 00-0231	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,578.75	80.29
		For Tempered Low-E Insulated Glass, Add	*283.63*	
08 52 13 00-0232	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,720.74	85.17
		For Tempered Low-E Insulated Glass, Add	*310.08*	
08 52 13 00-0233		**59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0234	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,229.49	68.35
		For Tempered Low-E Insulated Glass, Add	*218.56*	
08 52 13 00-0235	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,340.83	72.70
		For Tempered Low-E Insulated Glass, Add	*239.30*	
08 52 13 00-0236	EA	48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,456.97	77.04
		For Tempered Low-E Insulated Glass, Add	*260.80*	
08 52 13 00-0237	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,591.64	80.83
		For Tempered Low-E Insulated Glass, Add	*285.99*	
08 52 13 00-0238	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,691.94	84.09
		For Tempered Low-E Insulated Glass, Add	*304.75*	
08 52 13 00-0239	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,832.09	88.97
		For Tempered Low-E Insulated Glass, Add	*330.83*	
08 52 13 00-0240		**64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0241	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,307.16	71.07
		For Tempered Low-E Insulated Glass, Add	*233.00*	
08 52 13 00-0242	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,418.51	74.87
		For Tempered Low-E Insulated Glass, Add	*253.76*	
08 52 13 00-0243	EA	48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,536.49	79.21
		For Tempered Low-E Insulated Glass, Add	*275.62*	
08 52 13 00-0244	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,671.17	83.55
		For Tempered Low-E Insulated Glass, Add	*300.82*	
08 52 13 00-0245		**71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0246	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,420.36	74.87
		For Tempered Low-E Insulated Glass, Add	*254.13*	
08 52 13 00-0247	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,531.71	79.21
		For Tempered Low-E Insulated Glass, Add	*274.88*	
08 52 13 00-0248	EA	48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,647.85	83.55
		For Tempered Low-E Insulated Glass, Add	*296.37*	
08 52 13 00-0249	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,782.51	87.35
		For Tempered Low-E Insulated Glass, Add	*321.56*	
08 52 13 00-0250		One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0251		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0252	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,260.69	69.99
		For Tempered Low-E Insulated Glass, Add	*224.14*	
08 52 13 00-0253	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,467.66	77.04
		For Tempered Low-E Insulated Glass, Add	*262.72*	
08 52 13 00-0254		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0255	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,338.43	72.15
		For Tempered Low-E Insulated Glass, Add	*238.82*	
08 52 13 00-0256	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,531.65	79.21
		For Tempered Low-E Insulated Glass, Add	*274.65*	
08 52 13 00-0257		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0258	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,287.94	70.53
		For Tempered Low-E Insulated Glass, Add	*229.38*	
08 52 13 00-0259	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,454.03	75.95
		For Tempered Low-E Insulated Glass, Add	*260.42*	
08 52 13 00-0260	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,658.97	83.55
		For Tempered Low-E Insulated Glass, Add	*298.59*	
08 52 13 00-0261		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0262	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,361.85	73.78
		For Tempered Low-E Insulated Glass, Add	*243.07*	
08 52 13 00-0263	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,533.56	78.67
		For Tempered Low-E Insulated Glass, Add	*275.25*	
08 52 13 00-0264	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,736.63	85.72
		For Tempered Low-E Insulated Glass, Add	*313.04*	
08 52 13 00-0265		48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0266	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,647.85	83.01
		For Tempered Low-E Insulated Glass, Add	*296.37*	
08 52 13 00-0267	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,850.93	90.06
		For Tempered Low-E Insulated Glass, Add	*334.16*	
08 52 13 00-0268		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0269	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,724.45	85.17
		For Tempered Low-E Insulated Glass, Add	*310.82*	
08 52 13 00-0270	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,927.53	92.22
		For Tempered Low-E Insulated Glass, Add	*348.61*	
08 52 13 00-0271		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0272	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,835.78	88.97
		For Tempered Low-E Insulated Glass, Add	*331.57*	
08 52 13 00-0273	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,040.73	96.56
		For Tempered Low-E Insulated Glass, Add	*369.74*	
08 52 13 00-0274		Awning Metal Clad Windows *(08 52 13)*		
08 52 13 00-0275		Awning Metal Clad Windows *(08 52 13 00-0274)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276		Venting, Awning Metal Clad Windows *(08 52 13 00-0275)*		
08 52 13 00-0277		17" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*		
08 52 13 00-0278	EA	24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	475.97	44.49
		For Tempered Low-E Insulated Glass, Add	*77.40*	
08 52 13 00-0279	EA	28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	509.94	46.66
		For Tempered Low-E Insulated Glass, Add	*83.33*	
08 52 13 00-0280	EA	31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	537.83	48.28
		For Tempered Low-E Insulated Glass, Add	*88.25*	
08 52 13 00-0281	EA	35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	573.12	50.46
		For Tempered Low-E Insulated Glass, Add	*94.44*	
08 52 13 00-0282	EA	40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	613.75	53.17
		For Tempered Low-E Insulated Glass, Add	*101.48*	
08 52 13 00-0283	EA	48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	676.16	57.51
		For Tempered Low-E Insulated Glass, Add	*112.23*	
08 52 13 00-0284	EA	52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	715.70	59.67
		For Tempered Low-E Insulated Glass, Add	*119.27*	
08 52 13 00-0285	EA	59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	773.32	64.01
		For Tempered Low-E Insulated Glass, Add	*129.27*	
08 52 13 00-0286	EA	64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	794.60	66.19
		For Tempered Low-E Insulated Glass, Add	*132.44*	
08 52 13 00-0287	EA	71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	851.59	69.99
		For Tempered Low-E Insulated Glass, Add	*142.32*	
08 52 13 00-0288		20-1/2" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*		
08 52 13 00-0289	EA	24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	502.37	46.66
		For Tempered Low-E Insulated Glass, Add	*82.03*	
08 52 13 00-0290	EA	28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	539.15	48.83
		For Tempered Low-E Insulated Glass, Add	*88.52*	
08 52 13 00-0291	EA	31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	563.09	49.91
		For Tempered Low-E Insulated Glass, Add	*92.65*	
08 52 13 00-0292	EA	35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	602.31	52.08
		For Tempered Low-E Insulated Glass, Add	*99.63*	
08 52 13 00-0293	EA	40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	642.95	55.33
		For Tempered Low-E Insulated Glass, Add	*106.67*	
08 52 13 00-0294	EA	48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	703.49	59.13
		For Tempered Low-E Insulated Glass, Add	*117.04*	
08 52 13 00-0295	EA	52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	743.04	61.85
		For Tempered Low-E Insulated Glass, Add	*124.09*	
08 52 13 00-0296	EA	59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	802.50	65.10
		For Tempered Low-E Insulated Glass, Add	*134.46*	
08 52 13 00-0297	EA	64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	821.64	68.35
		For Tempered Low-E Insulated Glass, Add	*137.20*	
08 52 13 00-0298	EA	71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	880.45	71.61
		For Tempered Low-E Insulated Glass, Add	*147.45*	
08 52 13 00-0299	EA	84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,365.05	79.21
		For Tempered Low-E Insulated Glass, Add	*241.55*	
08 52 13 00-0300		24-1/8" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*		
08 52 13 00-0301	EA	24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	535.43	48.83
		For Tempered Low-E Insulated Glass, Add	*87.77*	
08 52 13 00-0302	EA	28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	569.43	50.99
		For Tempered Low-E Insulated Glass, Add	*93.70*	
08 52 13 00-0303	EA	31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	709.62	52.08
		For Tempered Low-E Insulated Glass, Add	*121.09*	
08 52 13 00-0304	EA	35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	758.58	54.25
		For Tempered Low-E Insulated Glass, Add	*130.02*	
08 52 13 00-0305	EA	40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	673.22	57.51
		For Tempered Low-E Insulated Glass, Add	*111.86*	
08 52 13 00-0306	EA	48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	735.64	61.30
		For Tempered Low-E Insulated Glass, Add	*122.61*	
08 52 13 00-0307	EA	52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	775.16	64.01
		For Tempered Low-E Insulated Glass, Add	*129.64*	
08 52 13 00-0308	EA	59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	834.64	67.27
		For Tempered Low-E Insulated Glass, Add	*140.02*	
08 52 13 00-0309	EA	64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	851.59	70.53
		For Tempered Low-E Insulated Glass, Add	*142.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0310	EA	71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	908.49	73.78
		For Tempered Low-E Insulated Glass, Add	*152.18*	
08 52 13 00-0311	EA	84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,436.96	81.38
		For Tempered Low-E Insulated Glass, Add	*255.06*	
08 52 13 00-0312		**28-3/8" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0313	EA	24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	534.22	50.99
		For Tempered Low-E Insulated Glass, Add	*86.66*	
08 52 13 00-0314	EA	28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	702.06	53.17
		For Tempered Low-E Insulated Glass, Add	*119.36*	
08 52 13 00-0315	EA	31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	743.42	54.25
		For Tempered Low-E Insulated Glass, Add	*126.98*	
08 52 13 00-0316	EA	35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	683.25	56.42
		For Tempered Low-E Insulated Glass, Add	*114.08*	
08 52 13 00-0317	EA	40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	746.11	59.67
		For Tempered Low-E Insulated Glass, Add	*125.67*	
08 52 13 00-0318	EA	48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	838.15	63.47
		For Tempered Low-E Insulated Glass, Add	*142.24*	
08 52 13 00-0319	EA	52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	898.07	66.19
		For Tempered Low-E Insulated Glass, Add	*153.36*	
08 52 13 00-0320	EA	59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	989.05	69.44
		For Tempered Low-E Insulated Glass, Add	*170.03*	
08 52 13 00-0321	EA	64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,022.38	72.70
		For Tempered Low-E Insulated Glass, Add	*175.61*	
08 52 13 00-0322	EA	71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,110.45	75.95
		For Tempered Low-E Insulated Glass, Add	*191.71*	
08 52 13 00-0323	EA	84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,476.00	83.55
		For Tempered Low-E Insulated Glass, Add	*262.00*	
08 52 13 00-0324		**31-1/2" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0325	EA	28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	620.47	54.25
		For Tempered Low-E Insulated Glass, Add	*102.39*	
08 52 13 00-0326	EA	31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	656.72	55.88
		For Tempered Low-E Insulated Glass, Add	*108.99*	
08 52 13 00-0327	EA	35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	706.63	58.05
		For Tempered Low-E Insulated Glass, Add	*118.11*	
08 52 13 00-0328	EA	40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	762.33	60.76
		For Tempered Low-E Insulated Glass, Add	*128.16*	
08 52 13 00-0329	EA	48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	843.29	65.10
		For Tempered Low-E Insulated Glass, Add	*142.62*	
08 52 13 00-0330	EA	52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	899.48	67.27
		For Tempered Low-E Insulated Glass, Add	*152.99*	
08 52 13 00-0331	EA	59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	979.34	71.61
		For Tempered Low-E Insulated Glass, Add	*167.44*	
08 52 13 00-0332	EA	64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,035.07	73.78
		For Tempered Low-E Insulated Glass, Add	*177.50*	
08 52 13 00-0333	EA	71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,116.50	77.58
		For Tempered Low-E Insulated Glass, Add	*192.27*	
08 52 13 00-0334	EA	84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,574.80	84.63
		For Tempered Low-E Insulated Glass, Add	*281.11*	
08 52 13 00-0335		**35-15/16" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0336	EA	31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	706.63	58.05
		For Tempered Low-E Insulated Glass, Add	*118.11*	
08 52 13 00-0337	EA	35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	777.92	60.22
		For Tempered Low-E Insulated Glass, Add	*131.50*	
08 52 13 00-0338	EA	40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	840.78	62.94
		For Tempered Low-E Insulated Glass, Add	*142.98*	
08 52 13 00-0339	EA	48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	932.82	67.27
		For Tempered Low-E Insulated Glass, Add	*159.66*	
08 52 13 00-0340	EA	52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	994.59	69.44
		For Tempered Low-E Insulated Glass, Add	*171.14*	
08 52 13 00-0341	EA	59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,083.71	73.78
		For Tempered Low-E Insulated Glass, Add	*187.45*	
08 52 13 00-0342	EA	64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	944.01	75.95
		For Tempered Low-E Insulated Glass, Add	*158.42*	
08 52 13 00-0343	EA	71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,013.78	79.75
		For Tempered Low-E Insulated Glass, Add	*170.86*	
08 52 13 00-0344		**40-3/4" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0345	EA	35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	824.23	62.94
		For Tempered Low-E Insulated Glass, Add	*140.76*	
08 52 13 00-0346	EA	40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	938.38	67.27
		For Tempered Low-E Insulated Glass, Add	*160.77*	
08 52 13 00-0347		**48" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0348	EA	35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	988.40	67.27
		For Tempered Low-E Insulated Glass, Add	*170.77*	

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08 52 13 00-0349	EA	40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,095.72	70.53
		For Tempered Low-E Insulated Glass, Add	*191.15*	
08 52 13 00-0350	EA	48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,252.62	74.33
		For Tempered Low-E Insulated Glass, Add	*220.79*	
08 52 13 00-0351		**59-13/16" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0352	EA	35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,225.97	73.24
		For Tempered Low-E Insulated Glass, Add	*215.90*	
08 52 13 00-0353	EA	40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,319.89	75.95
		For Tempered Low-E Insulated Glass, Add	*233.60*	
08 52 13 00-0354		**71-7/8" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0355	EA	24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,342.08	73.78
		For Tempered Low-E Insulated Glass, Add	*238.90*	
08 52 13 00-0356	EA	35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,387.79	79.75
		For Tempered Low-E Insulated Glass, Add	*245.66*	
08 52 13 00-0357	EA	40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,537.17	82.46
		For Tempered Low-E Insulated Glass, Add	*274.45*	
08 52 13 00-0358	EA	48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,689.43	86.81
		For Tempered Low-E Insulated Glass, Add	*303.17*	
08 52 13 00-0359		**Stationary, Awning Metal Clad Windows** *(08 52 13 00-0275)*		
08 52 13 00-0360		**17" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0361	EA	24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	418.52	44.49
		For Tempered Low-E Insulated Glass, Add	*65.91*	
08 52 13 00-0362	EA	28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	450.66	46.66
		For Tempered Low-E Insulated Glass, Add	*71.47*	
08 52 13 00-0363	EA	31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	471.82	48.28
		For Tempered Low-E Insulated Glass, Add	*75.05*	
08 52 13 00-0364	EA	35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	506.44	50.46
		For Tempered Low-E Insulated Glass, Add	*81.11*	
08 52 13 00-0365	EA	40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	543.36	53.17
		For Tempered Low-E Insulated Glass, Add	*87.41*	
08 52 13 00-0366	EA	48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	600.20	57.51
		For Tempered Low-E Insulated Glass, Add	*97.04*	
08 52 13 00-0367	EA	52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	634.19	59.67
		For Tempered Low-E Insulated Glass, Add	*102.97*	
08 52 13 00-0368	EA	59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	688.09	64.01
		For Tempered Low-E Insulated Glass, Add	*112.23*	
08 52 13 00-0369	EA	64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	725.01	66.19
		For Tempered Low-E Insulated Glass, Add	*118.53*	
08 52 13 00-0370	EA	71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	778.93	69.99
		For Tempered Low-E Insulated Glass, Add	*127.79*	
08 52 13 00-0371		**20-1/2" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0372	EA	24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	444.01	46.66
		For Tempered Low-E Insulated Glass, Add	*70.36*	
08 52 13 00-0373	EA	28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	476.13	48.83
		For Tempered Low-E Insulated Glass, Add	*75.91*	
08 52 13 00-0374	EA	31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	495.53	49.91
		For Tempered Low-E Insulated Glass, Add	*79.14*	
08 52 13 00-0375	EA	35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	533.76	52.08
		For Tempered Low-E Insulated Glass, Add	*85.92*	
08 52 13 00-0376	EA	40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	570.68	55.33
		For Tempered Low-E Insulated Glass, Add	*92.22*	
08 52 13 00-0377	EA	48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	625.69	59.13
		For Tempered Low-E Insulated Glass, Add	*101.48*	
08 52 13 00-0378	EA	52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	661.53	61.85
		For Tempered Low-E Insulated Glass, Add	*107.78*	
08 52 13 00-0379	EA	59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	713.58	65.10
		For Tempered Low-E Insulated Glass, Add	*116.68*	
08 52 13 00-0380	EA	64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	752.35	68.35
		For Tempered Low-E Insulated Glass, Add	*123.34*	
08 52 13 00-0381	EA	71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	804.40	71.61
		For Tempered Low-E Insulated Glass, Add	*132.24*	
08 52 13 00-0382		**24-1/8" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0383	EA	24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	472.44	48.83
		For Tempered Low-E Insulated Glass, Add	*75.18*	
08 52 13 00-0384	EA	28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	504.57	50.99
		For Tempered Low-E Insulated Glass, Add	*80.73*	
08 52 13 00-0385	EA	31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	521.85	52.08
		For Tempered Low-E Insulated Glass, Add	*83.54*	
08 52 13 00-0386	EA	35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	560.34	54.25
		For Tempered Low-E Insulated Glass, Add	*90.37*	
08 52 13 00-0387	EA	40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	597.26	57.51
		For Tempered Low-E Insulated Glass, Add	*96.67*	

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08 52 13 00-0388	EA	48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	652.25	61.30
		For Tempered Low-E Insulated Glass, Add	*105.93*	
08 52 13 00-0389	EA	52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	688.09	64.01
		For Tempered Low-E Insulated Glass, Add	*112.23*	
08 52 13 00-0390	EA	59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	742.01	67.27
		For Tempered Low-E Insulated Glass, Add	*121.49*	
08 52 13 00-0391	EA	64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	778.93	70.53
		For Tempered Low-E Insulated Glass, Add	*127.79*	
08 52 13 00-0392	EA	71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	832.84	73.78
		For Tempered Low-E Insulated Glass, Add	*137.05*	
08 52 13 00-0393		28-3/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*		
08 52 13 00-0394	EA	24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	474.95	50.99
		For Tempered Low-E Insulated Glass, Add	*74.81*	
08 52 13 00-0395	EA	28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	518.19	53.17
		For Tempered Low-E Insulated Glass, Add	*82.59*	
08 52 13 00-0396	EA	31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	541.90	54.25
		For Tempered Low-E Insulated Glass, Add	*86.68*	
08 52 13 00-0397	EA	35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	564.68	56.42
		For Tempered Low-E Insulated Glass, Add	*90.37*	
08 52 13 00-0398	EA	40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	646.06	59.67
		For Tempered Low-E Insulated Glass, Add	*105.56*	
08 52 13 00-0399	EA	48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	719.58	63.47
		For Tempered Low-E Insulated Glass, Add	*118.53*	
08 52 13 00-0400	EA	52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	768.40	66.19
		For Tempered Low-E Insulated Glass, Add	*127.42*	
08 52 13 00-0401	EA	59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	840.83	69.44
		For Tempered Low-E Insulated Glass, Add	*140.39*	
08 52 13 00-0402	EA	64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	892.57	72.70
		For Tempered Low-E Insulated Glass, Add	*149.65*	
08 52 13 00-0403	EA	71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	965.03	75.95
		For Tempered Low-E Insulated Glass, Add	*162.62*	
08 52 13 00-0404		31-1/2" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*		
08 52 13 00-0405	EA	28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	541.90	54.25
		For Tempered Low-E Insulated Glass, Add	*86.68*	
08 52 13 00-0406	EA	31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	571.88	55.88
		For Tempered Low-E Insulated Glass, Add	*92.02*	
08 52 13 00-0407	EA	35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	612.35	58.05
		For Tempered Low-E Insulated Glass, Add	*99.25*	
08 52 13 00-0408	EA	40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	658.64	60.76
		For Tempered Low-E Insulated Glass, Add	*107.42*	
08 52 13 00-0409	EA	48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	725.44	65.10
		For Tempered Low-E Insulated Glass, Add	*119.05*	
08 52 13 00-0410	EA	52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	770.64	67.27
		For Tempered Low-E Insulated Glass, Add	*127.22*	
08 52 13 00-0411	EA	59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	836.36	71.61
		For Tempered Low-E Insulated Glass, Add	*138.84*	
08 52 13 00-0412	EA	64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	881.08	73.78
		For Tempered Low-E Insulated Glass, Add	*146.70*	
08 52 13 00-0413	EA	71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	946.82	77.58
		For Tempered Low-E Insulated Glass, Add	*158.33*	
08 52 13 00-0414		35-15/16" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*		
08 52 13 00-0415	EA	31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	612.35	58.05
		For Tempered Low-E Insulated Glass, Add	*99.25*	
08 52 13 00-0416	EA	35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	672.31	60.22
		For Tempered Low-E Insulated Glass, Add	*110.38*	
08 52 13 00-0417	EA	40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	722.20	62.94
		For Tempered Low-E Insulated Glass, Add	*119.27*	
08 52 13 00-0418	EA	48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	797.59	67.27
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 13 00-0419	EA	52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	846.39	69.44
		For Tempered Low-E Insulated Glass, Add	*141.50*	
08 52 13 00-0420	EA	59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	918.83	73.78
		For Tempered Low-E Insulated Glass, Add	*154.47*	
08 52 13 00-0421	EA	64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	968.72	75.95
		For Tempered Low-E Insulated Glass, Add	*163.36*	
08 52 13 00-0422	EA	71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,041.17	79.75
		For Tempered Low-E Insulated Glass, Add	*176.33*	
08 52 13 00-0423		Horizontal Sliding Metal Clad Windows *(08 52 13)*		
08 52 13 00-0424		One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0423)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0425		17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0426	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	589.53	57.51
		For Tempered Low-E Insulated Glass, Add	*95.12*	
08 52 13 00-0427		23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0428	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	541.86	53.17
		For Tempered Low-E Insulated Glass, Add	*86.89*	
08 52 13 00-0429	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	634.89	60.76
		For Tempered Low-E Insulated Glass, Add	*102.89*	
08 52 13 00-0430		35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0431	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	634.89	60.76
		For Tempered Low-E Insulated Glass, Add	*102.89*	
08 52 13 00-0432	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	727.96	67.27
		For Tempered Low-E Insulated Glass, Add	*118.90*	
08 52 13 00-0433	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	821.00	73.24
		For Tempered Low-E Insulated Glass, Add	*134.90*	
08 52 13 00-0434	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.06	79.75
		For Tempered Low-E Insulated Glass, Add	*150.91*	
08 52 13 00-0435		41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0436	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	682.57	64.01
		For Tempered Low-E Insulated Glass, Add	*111.12*	
08 52 13 00-0437	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	773.32	70.53
		For Tempered Low-E Insulated Glass, Add	*126.67*	
08 52 13 00-0438	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	866.37	76.49
		For Tempered Low-E Insulated Glass, Add	*142.68*	
08 52 13 00-0439	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,039.46	83.01
		For Tempered Low-E Insulated Glass, Add	*174.69*	
08 52 13 00-0440		47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0441	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	727.96	67.27
		For Tempered Low-E Insulated Glass, Add	*118.90*	
08 52 13 00-0442	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	821.00	73.78
		For Tempered Low-E Insulated Glass, Add	*134.90*	
08 52 13 00-0443	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.06	79.75
		For Tempered Low-E Insulated Glass, Add	*150.91*	
08 52 13 00-0444	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,007.09	86.26
		For Tempered Low-E Insulated Glass, Add	*166.91*	
08 52 13 00-0445		53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0446	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	866.37	77.04
		For Tempered Low-E Insulated Glass, Add	*142.68*	
08 52 13 00-0447	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	959.42	83.01
		For Tempered Low-E Insulated Glass, Add	*158.68*	
08 52 13 00-0448	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,052.48	89.51
		For Tempered Low-E Insulated Glass, Add	*174.69*	
08 52 13 00-0449		59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0450	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.06	80.29
		For Tempered Low-E Insulated Glass, Add	*150.91*	
08 52 13 00-0451	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,007.09	86.26
		For Tempered Low-E Insulated Glass, Add	*166.91*	
08 52 13 00-0452	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,100.31	92.77
		For Tempered Low-E Insulated Glass, Add	*182.96*	
08 52 13 00-0453		Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0423)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0454		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0455	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,344.18	53.17
		For Tempered Low-E Insulated Glass, Add	*247.35*	
08 52 13 00-0456	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,601.85	60.76
		For Tempered Low-E Insulated Glass, Add	*296.28*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 13 00-0457 35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*

08 52 13 00-0458	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,622.44	60.76
		For Tempered Low-E Insulated Glass, Add	*300.40*	
08 52 13 00-0459	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,882.42	67.27
		For Tempered Low-E Insulated Glass, Add	*349.79*	
08 52 13 00-0460	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,140.08	73.24
		For Tempered Low-E Insulated Glass, Add	*398.72*	
08 52 13 00-0461	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,397.77	79.75
		For Tempered Low-E Insulated Glass, Add	*447.65*	

08 52 13 00-0462 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*

08 52 13 00-0463	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,752.42	64.01
		For Tempered Low-E Insulated Glass, Add	*325.09*	
08 52 13 00-0464	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,010.11	70.53
		For Tempered Low-E Insulated Glass, Add	*374.03*	
08 52 13 00-0465	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,270.07	76.49
		For Tempered Low-E Insulated Glass, Add	*423.42*	
08 52 13 00-0466	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,527.74	83.01
		For Tempered Low-E Insulated Glass, Add	*472.35*	

08 52 13 00-0467 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*

08 52 13 00-0468	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,882.42	67.27
		For Tempered Low-E Insulated Glass, Add	*349.79*	
08 52 13 00-0469	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,140.08	73.78
		For Tempered Low-E Insulated Glass, Add	*398.72*	
08 52 13 00-0470	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,397.77	79.75
		For Tempered Low-E Insulated Glass, Add	*447.65*	
08 52 13 00-0471	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,657.71	86.26
		For Tempered Low-E Insulated Glass, Add	*497.04*	

08 52 13 00-0472 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*

08 52 13 00-0473	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,140.08	73.78
		For Tempered Low-E Insulated Glass, Add	*398.72*	
08 52 13 00-0474	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,397.77	80.29
		For Tempered Low-E Insulated Glass, Add	*447.65*	
08 52 13 00-0475	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,657.71	86.26
		For Tempered Low-E Insulated Glass, Add	*497.04*	
08 52 13 00-0476	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,915.39	92.77
		For Tempered Low-E Insulated Glass, Add	*545.97*	

08 52 13 00-0477 Picture Metal Clad Windows *(08 52 13)*

08 52 13 00-0478 Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0477)*

08 52 13 00-0479 Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0478)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0480 12" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0481	EA	40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	464.10	43.40
		For Tempered Low-E Insulated Glass, Add	*75.46*	
08 52 13 00-0482	EA	48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	544.26	47.74
		For Tempered Low-E Insulated Glass, Add	*89.75*	
08 52 13 00-0483	EA	52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	578.53	49.91
		For Tempered Low-E Insulated Glass, Add	*95.74*	
08 52 13 00-0484	EA	59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	627.67	54.25
		For Tempered Low-E Insulated Glass, Add	*104.05*	
08 52 13 00-0485	EA	64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	661.33	56.42
		For Tempered Low-E Insulated Glass, Add	*109.70*	
08 52 13 00-0486	EA	71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	710.48	60.76
		For Tempered Low-E Insulated Glass, Add	*118.01*	

08 52 13 00-0487 35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0488	EA	35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	513.38	53.17
		For Tempered Low-E Insulated Glass, Add	*81.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0489	EA	40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	595.72	56.42
		For Tempered Low-E Insulated Glass, Add	*96.79*	
08 52 13 00-0490	EA	48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	716.94	60.22
		For Tempered Low-E Insulated Glass, Add	*119.30*	
08 52 13 00-0491	EA	52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	796.31	62.39
		For Tempered Low-E Insulated Glass, Add	*134.31*	
08 52 13 00-0492	EA	59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	914.60	66.19
		For Tempered Low-E Insulated Glass, Add	*156.44*	
08 52 13 00-0493	EA	64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	996.92	68.90
		For Tempered Low-E Insulated Glass, Add	*171.82*	
08 52 13 00-0494	EA	71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,490.36	72.70
		For Tempered Low-E Insulated Glass, Add	*268.99*	

08 52 13 00-0495 40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0496	EA	35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	595.72	56.42
		For Tempered Low-E Insulated Glass, Add	*96.79*	
08 52 13 00-0497	EA	40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	678.04	58.60
		For Tempered Low-E Insulated Glass, Add	*112.17*	
08 52 13 00-0498	EA	48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	799.27	62.94
		For Tempered Low-E Insulated Glass, Add	*134.68*	
08 52 13 00-0499	EA	52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	878.64	65.10
		For Tempered Low-E Insulated Glass, Add	*149.69*	
08 52 13 00-0500	EA	59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	996.92	69.44
		For Tempered Low-E Insulated Glass, Add	*171.82*	
08 52 13 00-0501	EA	64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,079.25	71.61
		For Tempered Low-E Insulated Glass, Add	*187.21*	
08 52 13 00-0502	EA	71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,197.53	75.95
		For Tempered Low-E Insulated Glass, Add	*209.34*	

08 52 13 00-0503 48" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0504	EA	35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	716.94	60.76
		For Tempered Low-E Insulated Glass, Add	*119.30*	
08 52 13 00-0505	EA	40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	799.27	62.94
		For Tempered Low-E Insulated Glass, Add	*134.68*	
08 52 13 00-0506	EA	48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	920.50	67.27
		For Tempered Low-E Insulated Glass, Add	*157.19*	
08 52 13 00-0507	EA	52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	999.87	69.44
		For Tempered Low-E Insulated Glass, Add	*172.20*	
08 52 13 00-0508	EA	59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,118.15	73.78
		For Tempered Low-E Insulated Glass, Add	*194.33*	
08 52 13 00-0509	EA	64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,200.49	75.95
		For Tempered Low-E Insulated Glass, Add	*209.72*	
08 52 13 00-0510	EA	71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,318.76	80.29
		For Tempered Low-E Insulated Glass, Add	*231.85*	

08 52 13 00-0511 52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0512	EA	35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	796.31	62.94
		For Tempered Low-E Insulated Glass, Add	*134.31*	
08 52 13 00-0513	EA	40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	878.64	65.10
		For Tempered Low-E Insulated Glass, Add	*149.69*	
08 52 13 00-0514	EA	48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	999.87	69.44
		For Tempered Low-E Insulated Glass, Add	*172.20*	
08 52 13 00-0515	EA	52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,079.25	71.61
		For Tempered Low-E Insulated Glass, Add	*187.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0516	EA	59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,197.53	75.95
		For Tempered Low-E Insulated Glass, Add	*209.34*	
08 52 13 00-0517	EA	64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,279.86	78.12
		For Tempered Low-E Insulated Glass, Add	*224.72*	
08 52 13 00-0518	EA	71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,508.81	82.46
		For Tempered Low-E Insulated Glass, Add	*268.99*	

08 52 13 00-0519 59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0520	EA	35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	914.60	66.19
		For Tempered Low-E Insulated Glass, Add	*156.44*	
08 52 13 00-0521	EA	40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	996.92	69.44
		For Tempered Low-E Insulated Glass, Add	*171.82*	
08 52 13 00-0522	EA	48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,118.15	73.24
		For Tempered Low-E Insulated Glass, Add	*194.33*	
08 52 13 00-0523	EA	52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,197.53	75.40
		For Tempered Low-E Insulated Glass, Add	*209.34*	
08 52 13 00-0524	EA	59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,315.80	79.21
		For Tempered Low-E Insulated Glass, Add	*231.48*	
08 52 13 00-0525	EA	64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,398.13	81.92
		For Tempered Low-E Insulated Glass, Add	*246.86*	
08 52 13 00-0526	EA	71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,516.40	85.72
		For Tempered Low-E Insulated Glass, Add	*268.99*	

08 52 13 00-0527 64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0528	EA	35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	996.92	69.44
		For Tempered Low-E Insulated Glass, Add	*171.82*	
08 52 13 00-0529	EA	40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,079.25	71.61
		For Tempered Low-E Insulated Glass, Add	*187.21*	
08 52 13 00-0530	EA	48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,200.49	75.95
		For Tempered Low-E Insulated Glass, Add	*209.72*	
08 52 13 00-0531	EA	52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,279.86	78.12
		For Tempered Low-E Insulated Glass, Add	*224.72*	
08 52 13 00-0532	EA	59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,508.81	82.46
		For Tempered Low-E Insulated Glass, Add	*268.99*	

08 52 13 00-0533 71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0534	EA	35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,115.19	72.70
		For Tempered Low-E Insulated Glass, Add	*193.96*	
08 52 13 00-0535	EA	40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,197.53	75.95
		For Tempered Low-E Insulated Glass, Add	*209.34*	
08 52 13 00-0536	EA	48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,318.76	79.75
		For Tempered Low-E Insulated Glass, Add	*231.85*	
08 52 13 00-0537	EA	52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,398.13	81.92
		For Tempered Low-E Insulated Glass, Add	*246.86*	
08 52 13 00-0538	EA	59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,516.40	85.72
		For Tempered Low-E Insulated Glass, Add	*268.99*	

08 52 13 00-0539 Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0477)*

08 52 13 00-0540 Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0539)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0541 48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0542	EA	12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	744.27	50.99
		For Tempered Low-E Insulated Glass, Add	*128.46*	
08 52 13 00-0543	EA	37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,042.25	65.10
		For Tempered Low-E Insulated Glass, Add	*182.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0544	EA	41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,087.64	66.73
		For Tempered Low-E Insulated Glass, Add	*190.84*	
08 52 13 00-0545	EA	47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,155.71	69.99
		For Tempered Low-E Insulated Glass, Add	*203.15*	
08 52 13 00-0546	EA	51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,201.10	72.70
		For Tempered Low-E Insulated Glass, Add	*211.36*	
08 52 13 00-0547	EA	59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,293.89	76.49
		For Tempered Low-E Insulated Glass, Add	*228.18*	
08 52 13 00-0548	EA	67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,386.71	81.38
		For Tempered Low-E Insulated Glass, Add	*245.01*	
08 52 13 00-0549		**52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0550	EA	12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	791.69	53.17
		For Tempered Low-E Insulated Glass, Add	*137.07*	
08 52 13 00-0551	EA	37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,087.64	67.27
		For Tempered Low-E Insulated Glass, Add	*190.84*	
08 52 13 00-0552	EA	41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,135.06	68.90
		For Tempered Low-E Insulated Glass, Add	*199.45*	
08 52 13 00-0553	EA	47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,201.10	72.15
		For Tempered Low-E Insulated Glass, Add	*211.36*	
08 52 13 00-0554	EA	51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,248.52	74.87
		For Tempered Low-E Insulated Glass, Add	*219.97*	
08 52 13 00-0555	EA	59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,341.31	78.67
		For Tempered Low-E Insulated Glass, Add	*236.80*	
08 52 13 00-0556	EA	67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,434.15	83.55
		For Tempered Low-E Insulated Glass, Add	*253.63*	
08 52 13 00-0557		**56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0558	EA	12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	837.08	55.33
		For Tempered Low-E Insulated Glass, Add	*145.28*	
08 52 13 00-0559	EA	37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,135.06	69.44
		For Tempered Low-E Insulated Glass, Add	*199.45*	
08 52 13 00-0560	EA	41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,180.45	71.07
		For Tempered Low-E Insulated Glass, Add	*207.66*	
08 52 13 00-0561	EA	47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,248.52	74.33
		For Tempered Low-E Insulated Glass, Add	*219.97*	
08 52 13 00-0562	EA	51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,293.89	77.04
		For Tempered Low-E Insulated Glass, Add	*228.18*	
08 52 13 00-0563	EA	59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,386.71	80.83
		For Tempered Low-E Insulated Glass, Add	*245.01*	
08 52 13 00-0564	EA	67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,481.57	85.72
		For Tempered Low-E Insulated Glass, Add	*262.24*	
08 52 13 00-0565		**60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0566	EA	12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	884.53	57.51
		For Tempered Low-E Insulated Glass, Add	*153.90*	
08 52 13 00-0567	EA	37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,180.45	71.61
		For Tempered Low-E Insulated Glass, Add	*207.66*	
08 52 13 00-0568	EA	41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,227.89	73.24
		For Tempered Low-E Insulated Glass, Add	*216.28*	
08 52 13 00-0569	EA	47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,293.89	76.49
		For Tempered Low-E Insulated Glass, Add	*228.18*	
08 52 13 00-0570	EA	51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,341.31	79.21
		For Tempered Low-E Insulated Glass, Add	*236.80*	
08 52 13 00-0571	EA	59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,434.15	83.01
		For Tempered Low-E Insulated Glass, Add	*253.63*	
08 52 13 00-0572	EA	67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,526.95	87.88
		For Tempered Low-E Insulated Glass, Add	*270.45*	
08 52 13 00-0573		**64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0574	EA	12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	929.89	59.67
		For Tempered Low-E Insulated Glass, Add	*162.11*	
08 52 13 00-0575	EA	37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,227.89	73.78
		For Tempered Low-E Insulated Glass, Add	*216.28*	
08 52 13 00-0576	EA	41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,275.31	75.40
		For Tempered Low-E Insulated Glass, Add	*224.90*	
08 52 13 00-0577	EA	47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,341.31	78.67
		For Tempered Low-E Insulated Glass, Add	*236.80*	
08 52 13 00-0578	EA	51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,386.71	81.38
		For Tempered Low-E Insulated Glass, Add	*245.01*	
08 52 13 00-0579	EA	59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,481.57	85.17
		For Tempered Low-E Insulated Glass, Add	*262.24*	
08 52 13 00-0580	EA	67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,574.39	90.06
		For Tempered Low-E Insulated Glass, Add	*279.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0581		68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0582	EA	12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	977.33	61.85
		For Tempered Low-E Insulated Glass, Add	*170.73*	
08 52 13 00-0583	EA	37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,275.31	75.95
		For Tempered Low-E Insulated Glass, Add	*224.90*	
08 52 13 00-0584	EA	41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,320.69	77.58
		For Tempered Low-E Insulated Glass, Add	*233.11*	
08 52 13 00-0585	EA	47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,386.71	80.83
		For Tempered Low-E Insulated Glass, Add	*245.01*	
08 52 13 00-0586	EA	51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,434.15	83.55
		For Tempered Low-E Insulated Glass, Add	*253.63*	
08 52 13 00-0587	EA	59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,526.95	87.35
		For Tempered Low-E Insulated Glass, Add	*270.45*	
08 52 13 00-0588	EA	67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,619.78	92.22
		For Tempered Low-E Insulated Glass, Add	*287.28*	
08 52 13 00-0589		72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0590	EA	12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,022.72	64.01
		For Tempered Low-E Insulated Glass, Add	*178.94*	
08 52 13 00-0591	EA	37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,320.69	78.12
		For Tempered Low-E Insulated Glass, Add	*233.11*	
08 52 13 00-0592	EA	41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,368.13	79.75
		For Tempered Low-E Insulated Glass, Add	*241.73*	
08 52 13 00-0593	EA	47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,434.15	83.01
		For Tempered Low-E Insulated Glass, Add	*253.63*	
08 52 13 00-0594	EA	51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,481.57	85.72
		For Tempered Low-E Insulated Glass, Add	*262.24*	
08 52 13 00-0595	EA	59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,574.39	89.51
		For Tempered Low-E Insulated Glass, Add	*279.07*	
08 52 13 00-0596	EA	67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,667.20	94.40
		For Tempered Low-E Insulated Glass, Add	*295.90*	
08 52 13 00-0597		76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0598	EA	12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,070.14	66.19
		For Tempered Low-E Insulated Glass, Add	*187.55*	
08 52 13 00-0599	EA	37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,368.13	80.29
		For Tempered Low-E Insulated Glass, Add	*241.73*	
08 52 13 00-0600	EA	41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,413.50	81.92
		For Tempered Low-E Insulated Glass, Add	*249.93*	
08 52 13 00-0601	EA	47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,481.57	85.17
		For Tempered Low-E Insulated Glass, Add	*262.24*	
08 52 13 00-0602	EA	51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,526.95	87.88
		For Tempered Low-E Insulated Glass, Add	*270.45*	
08 52 13 00-0603	EA	59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,619.78	91.69
		For Tempered Low-E Insulated Glass, Add	*287.28*	
08 52 13 00-0604	EA	67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,712.58	96.56
		For Tempered Low-E Insulated Glass, Add	*304.11*	
08 52 13 00-0605		Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0477)*		
08 52 13 00-0606		Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0605)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0607		35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0608	EA	56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	658.88	67.81
		For Tempered Low-E Insulated Glass, Add	*104.65*	
		For Tempered Clear Insulated Glass, Add	*104.65*	
08 52 13 00-0609	EA	59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	676.50	69.44
		For Tempered Low-E Insulated Glass, Add	*107.52*	
		For Tempered Clear Insulated Glass, Add	*107.52*	
08 52 13 00-0610		47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0611	EA	47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	676.50	69.44
		For Tempered Low-E Insulated Glass, Add	*107.52*	
		For Tempered Clear Insulated Glass, Add	*107.52*	
08 52 13 00-0612	EA	71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	821.56	82.46
		For Tempered Low-E Insulated Glass, Add	*131.33*	
		For Tempered Clear Insulated Glass, Add	*131.33*	
08 52 13 00-0613		53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0614	EA	56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	768.72	77.58
		For Tempered Low-E Insulated Glass, Add	*122.71*	
		For Tempered Clear Insulated Glass, Add	*122.71*	
08 52 13 00-0615	EA	59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	786.32	79.21
		For Tempered Low-E Insulated Glass, Add	*125.58*	
		For Tempered Clear Insulated Glass, Add	*125.58*	
08 52 13 00-0616		56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0617	EA	35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	658.88	68.35
		For Tempered Low-E Insulated Glass, Add	*104.65*	
		For Tempered Clear Insulated Glass, Add	*104.65*	
08 52 13 00-0618	EA	53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	768.72	77.58
		For Tempered Low-E Insulated Glass, Add	*122.71*	
		For Tempered Clear Insulated Glass, Add	*122.71*	
08 52 13 00-0619		59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0620	EA	35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	676.50	69.44
		For Tempered Low-E Insulated Glass, Add	*107.52*	
		For Tempered Clear Insulated Glass, Add	*107.52*	
08 52 13 00-0621	EA	53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	786.32	79.21
		For Tempered Low-E Insulated Glass, Add	*125.58*	
		For Tempered Clear Insulated Glass, Add	*125.58*	
08 52 13 00-0622	EA	59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	821.56	82.46
		For Tempered Low-E Insulated Glass, Add	*131.33*	
		For Tempered Clear Insulated Glass, Add	*131.33*	
08 52 13 00-0623	EA	65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	858.84	85.72
		For Tempered Low-E Insulated Glass, Add	*137.48*	
		For Tempered Clear Insulated Glass, Add	*137.48*	
08 52 13 00-0624		65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0625	EA	59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	858.84	85.72
		For Tempered Low-E Insulated Glass, Add	*137.48*	
		For Tempered Clear Insulated Glass, Add	*137.48*	
08 52 13 00-0626		71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0627	EA	47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	821.56	82.46
		For Tempered Low-E Insulated Glass, Add	*131.33*	
		For Tempered Clear Insulated Glass, Add	*131.33*	
08 52 13 00-0628		Basement Metal Clad Windows *(08 52 13)*		
08 52 13 00-0629		Basement Metal Clad Windows *(08 52 13 00-0628)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 13 00-0630	EA	32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	345.94	43.40
		For Tempered Low-E Insulated Glass, Add	*51.83*	
08 52 13 00-0631	EA	32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	365.42	43.40
		For Tempered Low-E Insulated Glass, Add	*55.72*	
08 52 13 00-0632	EA	32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	382.54	43.40
		For Tempered Low-E Insulated Glass, Add	*59.15*	
08 52 13 00-0633		Accessories For Metal Clad Windows *(08 52 13)*		
08 52 13 00-0634		Insect Screens For Metal Clad Windows *(08 52 13 00-0633)*		
08 52 13 00-0635	EA	Up To 6 SF, Insect Screen For Metal Clad Wood Windows	61.83	9.72
08 52 13 00-0636	EA	>6 To 9 SF, Insect Screen For Metal Clad Wood Windows	73.94	9.72
08 52 13 00-0637	EA	>9 To 12 SF, Insect Screen For Metal Clad Wood Windows	80.01	9.72
08 52 13 00-0638	EA	>12 To 15 SF, Insect Screen For Metal Clad Wood Windows	92.12	9.72
08 52 13 00-0639	EA	>15 To 20 SF, Insect Screen For Metal Clad Wood Windows	116.35	9.72
08 52 13 00-0640	EA	>20 To 25 SF, Insect Screen For Metal Clad Wood Windows	128.46	9.72
08 52 13 00-0641	EA	>25 To 30 SF, Insect Screen For Metal Clad Wood Windows	140.55	9.72
08 52 13 00-0642	EA	>30 To 35 SF, Insect Screen For Metal Clad Wood Windows	152.66	9.72
08 52 13 00-0643	SF	>35 SF, Insect Screen For Metal Clad Wood Windows	4.63	0.19
08 52 13 00-0644		Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0633)*		
08 52 13 00-0645		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0646	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	48.22	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0647	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	103.37	
08 52 13 00-0648	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	140.28	
08 52 13 00-0649	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	177.20	
08 52 13 00-0650	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	251.03	
08 52 13 00-0651		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0652	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	48.22	
08 52 13 00-0653	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	103.37	
08 52 13 00-0654	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	140.28	
08 52 13 00-0655	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	177.20	
08 52 13 00-0656	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	251.03	
08 52 13 00-0657		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0658	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	84.17	
08 52 13 00-0659	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	124.04	
08 52 13 00-0660	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	168.34	
08 52 13 00-0661	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	212.64	
08 52 13 00-0662	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	301.24	
08 52 13 00-0663		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0664	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	101.01	
08 52 13 00-0665	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	148.84	
08 52 13 00-0666	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	202.00	
08 52 13 00-0667	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	255.16	
08 52 13 00-0668	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	361.48	

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001		Single Hung Wood Clad Windows *(08 52 16)* Note: Single Hung windows feature a movable bottom sash and stationary top sash.		
08 52 16 00-0002		Single Hung Wood Clad Windows *(08 52 16 00-0001)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003		35-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0004	EA	23-1/2" x 35-1/2" Single Hung Wood Clad Window	314.67	49.91
		For Tempered Low-E Insulated Glass, Add	*42.97*	
		For Low-E Insulated Glass, Add	*25.78*	
		For Tempered Clear Insulated Glass, Add	*42.97*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Single Hung Wood Clad Window	332.93	52.08
		For Tempered Low-E Insulated Glass, Add	*45.75*	
		For Low-E Insulated Glass, Add	*27.45*	
		For Tempered Clear Insulated Glass, Add	*45.75*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Single Hung Wood Clad Window	350.04	54.25
		For Tempered Low-E Insulated Glass, Add	*48.31*	
		For Low-E Insulated Glass, Add	*28.98*	
		For Tempered Clear Insulated Glass, Add	*48.31*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Single Hung Wood Clad Window	367.16	56.42
		For Tempered Low-E Insulated Glass, Add	*50.86*	
		For Low-E Insulated Glass, Add	*30.52*	
		For Tempered Clear Insulated Glass, Add	*50.86*	
08 52 16 00-0008		41-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0009	EA	23-1/2" x 41-1/2" Single Hung Wood Clad Window	340.91	53.17
		For Tempered Low-E Insulated Glass, Add	*46.92*	
		For Low-E Insulated Glass, Add	*28.15*	
		For Tempered Clear Insulated Glass, Add	*46.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Single Hung Wood Clad Window	359.18	55.33
		For Tempered Low-E Insulated Glass, Add	*49.70*	
		For Low-E Insulated Glass, Add	*29.82*	
		For Tempered Clear Insulated Glass, Add	*49.70*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Single Hung Wood Clad Window	376.31	57.51
		For Tempered Low-E Insulated Glass, Add	*52.26*	
		For Low-E Insulated Glass, Add	*31.35*	
		For Tempered Clear Insulated Glass, Add	*52.26*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Single Hung Wood Clad Window	393.42	59.67
		For Tempered Low-E Insulated Glass, Add	*54.81*	
		For Low-E Insulated Glass, Add	*32.89*	
		For Tempered Clear Insulated Glass, Add	*54.81*	
08 52 16 00-0013		47-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0014	EA	23-1/2" x 47-1/2" Single Hung Wood Clad Window	367.16	56.42
		For Tempered Low-E Insulated Glass, Add	*50.86*	
		For Low-E Insulated Glass, Add	*30.52*	
		For Tempered Clear Insulated Glass, Add	*50.86*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Single Hung Wood Clad Window	384.27	58.60
		For Tempered Low-E Insulated Glass, Add	*53.42*	
		For Low-E Insulated Glass, Add	*32.05*	
		For Tempered Clear Insulated Glass, Add	*53.42*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Single Hung Wood Clad Window	402.55	60.76
		For Tempered Low-E Insulated Glass, Add	*56.21*	
		For Low-E Insulated Glass, Add	*33.72*	
		For Tempered Clear Insulated Glass, Add	*56.21*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Single Hung Wood Clad Window	419.66	62.94
		For Tempered Low-E Insulated Glass, Add	*58.76*	
		For Low-E Insulated Glass, Add	*35.26*	
		For Tempered Clear Insulated Glass, Add	*58.76*	
08 52 16 00-0018		53-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0019	EA	23-1/2" x 53-1/2" Single Hung Wood Clad Window	393.42	59.67
		For Tempered Low-E Insulated Glass, Add	*54.81*	
		For Low-E Insulated Glass, Add	*32.89*	
		For Tempered Clear Insulated Glass, Add	*54.81*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Single Hung Wood Clad Window	410.53	61.85
		For Tempered Low-E Insulated Glass, Add	*57.37*	
		For Low-E Insulated Glass, Add	*34.42*	
		For Tempered Clear Insulated Glass, Add	*57.37*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Single Hung Wood Clad Window	427.65	64.01
		For Tempered Low-E Insulated Glass, Add	*59.92*	
		For Low-E Insulated Glass, Add	*35.95*	
		For Tempered Clear Insulated Glass, Add	*59.92*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Single Hung Wood Clad Window	445.92	66.19
		For Tempered Low-E Insulated Glass, Add	*62.71*	
		For Low-E Insulated Glass, Add	*37.62*	
		For Tempered Clear Insulated Glass, Add	*62.71*	
08 52 16 00-0023		56-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0024	EA	19-1/2" x 56-1/2" Single Hung Wood Clad Window	388.85	59.67
		For Tempered Low-E Insulated Glass, Add	*54.12*	
		For Low-E Insulated Glass, Add	*32.47*	
		For Tempered Clear Insulated Glass, Add	*54.12*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Single Hung Wood Clad Window	405.96	61.30
		For Tempered Low-E Insulated Glass, Add	*56.67*	
		For Low-E Insulated Glass, Add	*34.00*	
		For Tempered Clear Insulated Glass, Add	*56.67*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Single Hung Wood Clad Window	424.24	64.01
		For Tempered Low-E Insulated Glass, Add	*59.46*	
		For Low-E Insulated Glass, Add	*35.67*	
		For Tempered Clear Insulated Glass, Add	*59.46*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Single Hung Wood Clad Window	441.35	66.19
		For Tempered Low-E Insulated Glass, Add	*62.01*	
		For Low-E Insulated Glass, Add	*37.21*	
		For Tempered Clear Insulated Glass, Add	*62.01*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Single Hung Wood Clad Window	458.46	68.35
		For Tempered Low-E Insulated Glass, Add	*64.57*	
		For Low-E Insulated Glass, Add	*38.74*	
		For Tempered Clear Insulated Glass, Add	*64.57*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Single Hung Wood Clad Window	475.58	70.53
		For Tempered Low-E Insulated Glass, Add	*67.12*	
		For Low-E Insulated Glass, Add	*40.27*	
		For Tempered Clear Insulated Glass, Add	*67.12*	
08 52 16 00-0030		59-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0031	EA	19-1/2" x 59-1/2" Single Hung Wood Clad Window	402.55	60.76
		For Tempered Low-E Insulated Glass, Add	*56.21*	
		For Low-E Insulated Glass, Add	*33.72*	
		For Tempered Clear Insulated Glass, Add	*56.21*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Single Hung Wood Clad Window	419.66	62.94
		For Tempered Low-E Insulated Glass, Add	*58.76*	
		For Low-E Insulated Glass, Add	*35.26*	
		For Tempered Clear Insulated Glass, Add	*58.76*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Single Hung Wood Clad Window	436.78	65.10
		For Tempered Low-E Insulated Glass, Add	*61.32*	
		For Low-E Insulated Glass, Add	*36.79*	
		For Tempered Clear Insulated Glass, Add	*61.32*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Single Hung Wood Clad Window	453.89	67.27
		For Tempered Low-E Insulated Glass, Add	*63.87*	
		For Low-E Insulated Glass, Add	*38.32*	
		For Tempered Clear Insulated Glass, Add	*63.87*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Single Hung Wood Clad Window	471.00	69.44
		For Tempered Low-E Insulated Glass, Add	*66.42*	
		For Low-E Insulated Glass, Add	*39.85*	
		For Tempered Clear Insulated Glass, Add	*66.42*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Single Hung Wood Clad Window	489.28	71.61
		For Tempered Low-E Insulated Glass, Add	*69.21*	
		For Low-E Insulated Glass, Add	*41.53*	
		For Tempered Clear Insulated Glass, Add	*69.21*	

08 52 16 00-0037 65-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Single Hung Wood Clad Window	445.92	66.19
		For Tempered Low-E Insulated Glass, Add	*62.71*	
		For Low-E Insulated Glass, Add	*37.62*	
		For Tempered Clear Insulated Glass, Add	*62.71*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Single Hung Wood Clad Window	463.03	68.35
		For Tempered Low-E Insulated Glass, Add	*65.26*	
		For Low-E Insulated Glass, Add	*39.16*	
		For Tempered Clear Insulated Glass, Add	*65.26*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Single Hung Wood Clad Window	480.14	70.53
		For Tempered Low-E Insulated Glass, Add	*67.82*	
		For Low-E Insulated Glass, Add	*40.69*	
		For Tempered Clear Insulated Glass, Add	*67.82*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Single Hung Wood Clad Window	497.25	72.70
		For Tempered Low-E Insulated Glass, Add	*70.37*	
		For Low-E Insulated Glass, Add	*42.22*	
		For Tempered Clear Insulated Glass, Add	*70.37*	

08 52 16 00-0042 71-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Single Hung Wood Clad Window	471.00	69.44
		For Tempered Low-E Insulated Glass, Add	*66.42*	
		For Low-E Insulated Glass, Add	*39.85*	
		For Tempered Clear Insulated Glass, Add	*66.42*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Single Hung Wood Clad Window	489.28	71.61
		For Tempered Low-E Insulated Glass, Add	*69.21*	
		For Low-E Insulated Glass, Add	*41.53*	
		For Tempered Clear Insulated Glass, Add	*69.21*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Single Hung Wood Clad Window	506.40	73.78
		For Tempered Low-E Insulated Glass, Add	*71.77*	
		For Low-E Insulated Glass, Add	*43.06*	
		For Tempered Clear Insulated Glass, Add	*71.77*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Single Hung Wood Clad Window	523.52	75.95
		For Tempered Low-E Insulated Glass, Add	*74.32*	
		For Low-E Insulated Glass, Add	*44.59*	
		For Tempered Clear Insulated Glass, Add	*74.32*	

08 52 16 00-0047 Single Hung Wood Clad Windows *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Single Hung Wood Clad Window	383.25	49.91
		For Tempered Low-E Insulated Glass, Add	*56.90*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Single Hung Wood Clad Window	406.17	51.54
		For Tempered Low-E Insulated Glass, Add	*60.62*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Single Hung Wood Clad Window	430.25	53.71
		For Tempered Low-E Insulated Glass, Add	*64.57*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Single Hung Wood Clad Window	442.87	55.33
		For Tempered Low-E Insulated Glass, Add	*66.66*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Single Hung Wood Clad Window	454.33	56.42
		For Tempered Low-E Insulated Glass, Add	*68.51*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Single Hung Wood Clad Window	465.79	57.51
		For Tempered Low-E Insulated Glass, Add	*70.37*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Single Hung Wood Clad Window	478.42	58.05
		For Tempered Low-E Insulated Glass, Add	*72.46*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Single Hung Wood Clad Window	501.33	60.22
		For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Single Hung Wood Clad Window	525.41	62.39
		For Tempered Low-E Insulated Glass, Add	*80.13*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0058			**40-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0059		EA	21-5/8" x 40-7/8" Single Hung Wood Clad Window	406.17	52.08
			For Tempered Low-E Insulated Glass, Add	*60.62*	
08 52 16 00-0060		EA	25-5/8" x 40-7/8" Single Hung Wood Clad Window	430.25	53.71
			For Tempered Low-E Insulated Glass, Add	*64.57*	
08 52 16 00-0061		EA	29-5/8" x 40-7/8" Single Hung Wood Clad Window	454.33	55.88
			For Tempered Low-E Insulated Glass, Add	*68.51*	
08 52 16 00-0062		EA	31-5/8" x 40-7/8" Single Hung Wood Clad Window	465.79	57.51
			For Tempered Low-E Insulated Glass, Add	*70.37*	
08 52 16 00-0063		EA	33-5/8" x 40-7/8" Single Hung Wood Clad Window	478.42	58.60
			For Tempered Low-E Insulated Glass, Add	*72.46*	
08 52 16 00-0064		EA	35-5/8" x 40-7/8" Single Hung Wood Clad Window	489.88	59.67
			For Tempered Low-E Insulated Glass, Add	*74.32*	
08 52 16 00-0065		EA	37-5/8" x 40-7/8" Single Hung Wood Clad Window	501.33	60.22
			For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0066		EA	41-5/8" x 40-7/8" Single Hung Wood Clad Window	525.41	62.39
			For Tempered Low-E Insulated Glass, Add	*80.13*	
08 52 16 00-0067		EA	45-5/8" x 40-7/8" Single Hung Wood Clad Window	549.49	64.56
			For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0068			**44-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0069		EA	21-5/8" x 44-7/8" Single Hung Wood Clad Window	430.25	54.25
			For Tempered Low-E Insulated Glass, Add	*64.57*	
08 52 16 00-0070		EA	25-5/8" x 44-7/8" Single Hung Wood Clad Window	454.33	55.88
			For Tempered Low-E Insulated Glass, Add	*68.51*	
08 52 16 00-0071		EA	29-5/8" x 44-7/8" Single Hung Wood Clad Window	478.42	58.05
			For Tempered Low-E Insulated Glass, Add	*72.46*	
08 52 16 00-0072		EA	31-5/8" x 44-7/8" Single Hung Wood Clad Window	489.88	59.67
			For Tempered Low-E Insulated Glass, Add	*74.32*	
08 52 16 00-0073		EA	33-5/8" x 44-7/8" Single Hung Wood Clad Window	501.33	60.76
			For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0074		EA	35-5/8" x 44-7/8" Single Hung Wood Clad Window	513.96	61.85
			For Tempered Low-E Insulated Glass, Add	*78.27*	
08 52 16 00-0075		EA	37-5/8" x 44-7/8" Single Hung Wood Clad Window	525.41	62.39
			For Tempered Low-E Insulated Glass, Add	*80.13*	
08 52 16 00-0076		EA	41-5/8" x 44-7/8" Single Hung Wood Clad Window	549.49	64.56
			For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0077		EA	45-5/8" x 44-7/8" Single Hung Wood Clad Window	573.58	66.73
			For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0078			**48-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0079		EA	21-5/8" x 48-7/8" Single Hung Wood Clad Window	454.33	56.42
			For Tempered Low-E Insulated Glass, Add	*68.51*	
08 52 16 00-0080		EA	25-5/8" x 48-7/8" Single Hung Wood Clad Window	478.42	58.05
			For Tempered Low-E Insulated Glass, Add	*72.46*	
08 52 16 00-0081		EA	29-5/8" x 48-7/8" Single Hung Wood Clad Window	501.33	60.22
			For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0082		EA	31-5/8" x 48-7/8" Single Hung Wood Clad Window	513.96	61.85
			For Tempered Low-E Insulated Glass, Add	*78.27*	
08 52 16 00-0083		EA	33-5/8" x 48-7/8" Single Hung Wood Clad Window	525.41	62.94
			For Tempered Low-E Insulated Glass, Add	*80.13*	
08 52 16 00-0084		EA	35-5/8" x 48-7/8" Single Hung Wood Clad Window	536.88	64.01
			For Tempered Low-E Insulated Glass, Add	*81.99*	
08 52 16 00-0085		EA	37-5/8" x 48-7/8" Single Hung Wood Clad Window	549.49	64.56
			For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0086		EA	41-5/8" x 48-7/8" Single Hung Wood Clad Window	573.58	66.73
			For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0087		EA	45-5/8" x 48-7/8" Single Hung Wood Clad Window	596.50	68.90
			For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0088			**52-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0089		EA	21-5/8" x 52-7/8" Single Hung Wood Clad Window	478.42	58.60
			For Tempered Low-E Insulated Glass, Add	*72.46*	
08 52 16 00-0090		EA	25-5/8" x 52-7/8" Single Hung Wood Clad Window	501.33	60.22
			For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0091		EA	29-5/8" x 52-7/8" Single Hung Wood Clad Window	525.41	62.39
			For Tempered Low-E Insulated Glass, Add	*80.13*	
08 52 16 00-0092		EA	31-5/8" x 52-7/8" Single Hung Wood Clad Window	536.88	64.01
			For Tempered Low-E Insulated Glass, Add	*81.99*	
08 52 16 00-0093		EA	33-5/8" x 52-7/8" Single Hung Wood Clad Window	549.49	65.10
			For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0094		EA	35-5/8" x 52-7/8" Single Hung Wood Clad Window	560.96	66.19
			For Tempered Low-E Insulated Glass, Add	*85.93*	
08 52 16 00-0095		EA	37-5/8" x 52-7/8" Single Hung Wood Clad Window	573.58	66.73
			For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0096		EA	41-5/8" x 52-7/8" Single Hung Wood Clad Window	596.50	68.90
			For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0097		EA	45-5/8" x 52-7/8" Single Hung Wood Clad Window	620.58	71.07
			For Tempered Low-E Insulated Glass, Add	*95.69*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0098 56-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	501.33	60.76
		For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	525.41	62.39
		For Tempered Low-E Insulated Glass, Add	*80.13*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	549.49	64.56
		For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	560.96	66.19
		For Tempered Low-E Insulated Glass, Add	*85.93*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	573.58	67.27
		For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	585.04	68.35
		For Tempered Low-E Insulated Glass, Add	*89.88*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	596.50	68.90
		For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	620.58	71.07
		For Tempered Low-E Insulated Glass, Add	*95.69*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	644.66	73.24
		For Tempered Low-E Insulated Glass, Add	*99.64*	

08 52 16 00-0108 60-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	525.41	62.94
		For Tempered Low-E Insulated Glass, Add	*80.13*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	549.49	64.56
		For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	573.58	66.73
		For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	585.04	68.35
		For Tempered Low-E Insulated Glass, Add	*89.88*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	596.50	69.44
		For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	609.12	70.53
		For Tempered Low-E Insulated Glass, Add	*93.83*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	620.58	71.07
		For Tempered Low-E Insulated Glass, Add	*95.69*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	644.66	73.24
		For Tempered Low-E Insulated Glass, Add	*99.64*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	667.59	75.40
		For Tempered Low-E Insulated Glass, Add	*103.35*	

08 52 16 00-0118 64-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	549.49	65.10
		For Tempered Low-E Insulated Glass, Add	*84.08*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	573.58	66.73
		For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	596.50	68.90
		For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	609.12	70.53
		For Tempered Low-E Insulated Glass, Add	*93.83*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Single Hung Wood Clad Window	620.58	71.61
		For Tempered Low-E Insulated Glass, Add	*95.69*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Single Hung Wood Clad Window	632.04	72.70
		For Tempered Low-E Insulated Glass, Add	*97.55*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Single Hung Wood Clad Window	644.66	73.24
		For Tempered Low-E Insulated Glass, Add	*99.64*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Single Hung Wood Clad Window	667.59	75.40
		For Tempered Low-E Insulated Glass, Add	*103.35*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Single Hung Wood Clad Window	691.67	77.58
		For Tempered Low-E Insulated Glass, Add	*107.30*	

08 52 16 00-0128 68-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Single Hung Wood Clad Window	573.58	67.27
		For Tempered Low-E Insulated Glass, Add	*88.02*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Single Hung Wood Clad Window	596.50	68.90
		For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Single Hung Wood Clad Window	620.58	71.07
		For Tempered Low-E Insulated Glass, Add	*95.69*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Single Hung Wood Clad Window	632.04	72.70
		For Tempered Low-E Insulated Glass, Add	*97.55*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Single Hung Wood Clad Window	644.66	73.78
		For Tempered Low-E Insulated Glass, Add	*99.64*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Single Hung Wood Clad Window	656.13	74.87
		For Tempered Low-E Insulated Glass, Add	*101.50*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Single Hung Wood Clad Window	667.59	75.40
		For Tempered Low-E Insulated Glass, Add	*103.35*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Single Hung Wood Clad Window	691.67	77.58
		For Tempered Low-E Insulated Glass, Add	*107.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Single Hung Wood Clad Window	715.75	79.75
		For Tempered Low-E Insulated Glass, Add	*111.25*	
08 52 16 00-0138		**72-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0139	EA	21-5/8" x 72-7/8" Single Hung Wood Clad Window	596.50	69.44
		For Tempered Low-E Insulated Glass, Add	*91.74*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Single Hung Wood Clad Window	620.58	71.07
		For Tempered Low-E Insulated Glass, Add	*95.69*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Single Hung Wood Clad Window	644.66	73.24
		For Tempered Low-E Insulated Glass, Add	*99.64*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Single Hung Wood Clad Window	656.13	74.87
		For Tempered Low-E Insulated Glass, Add	*101.50*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Single Hung Wood Clad Window	667.59	75.95
		For Tempered Low-E Insulated Glass, Add	*103.35*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Single Hung Wood Clad Window	680.20	77.04
		For Tempered Low-E Insulated Glass, Add	*105.44*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Single Hung Wood Clad Window	691.67	77.58
		For Tempered Low-E Insulated Glass, Add	*107.30*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Single Hung Wood Clad Window	715.75	79.75
		For Tempered Low-E Insulated Glass, Add	*111.25*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Single Hung Wood Clad Window	739.83	81.92
		For Tempered Low-E Insulated Glass, Add	*115.20*	
08 52 16 00-0148		**76-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Single Hung Wood Clad Window	620.58	71.61
		For Tempered Low-E Insulated Glass, Add	*95.69*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Single Hung Wood Clad Window	644.66	73.24
		For Tempered Low-E Insulated Glass, Add	*99.64*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Single Hung Wood Clad Window	667.59	75.40
		For Tempered Low-E Insulated Glass, Add	*103.35*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Single Hung Wood Clad Window	680.20	77.04
		For Tempered Low-E Insulated Glass, Add	*105.44*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Single Hung Wood Clad Window	691.67	78.12
		For Tempered Low-E Insulated Glass, Add	*107.30*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Single Hung Wood Clad Window	704.28	79.21
		For Tempered Low-E Insulated Glass, Add	*109.39*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Single Hung Wood Clad Window	715.75	79.75
		For Tempered Low-E Insulated Glass, Add	*111.25*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Single Hung Wood Clad Window	739.83	81.92
		For Tempered Low-E Insulated Glass, Add	*115.20*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Single Hung Wood Clad Window	762.75	84.09
		For Tempered Low-E Insulated Glass, Add	*118.91*	
08 52 16 00-0158		**84-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Single Hung Wood Clad Window	943.95	75.95
		For Tempered Low-E Insulated Glass, Add	*158.63*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Single Hung Wood Clad Window	977.33	77.58
		For Tempered Low-E Insulated Glass, Add	*164.43*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Single Hung Wood Clad Window	1,010.70	79.75
		For Tempered Low-E Insulated Glass, Add	*170.24*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Single Hung Wood Clad Window	1,026.80	81.38
		For Tempered Low-E Insulated Glass, Add	*173.03*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Single Hung Wood Clad Window	1,044.07	82.46
		For Tempered Low-E Insulated Glass, Add	*176.05*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Single Hung Wood Clad Window	1,060.17	83.55
		For Tempered Low-E Insulated Glass, Add	*178.83*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Single Hung Wood Clad Window	1,076.28	84.09
		For Tempered Low-E Insulated Glass, Add	*181.62*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Single Hung Wood Clad Window	1,109.65	86.26
		For Tempered Low-E Insulated Glass, Add	*187.43*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Single Hung Wood Clad Window	1,143.02	88.43
		For Tempered Low-E Insulated Glass, Add	*193.23*	
08 52 16 00-0168		**88-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Single Hung Wood Clad Window	977.33	78.12
		For Tempered Low-E Insulated Glass, Add	*164.43*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Single Hung Wood Clad Window	1,010.70	79.75
		For Tempered Low-E Insulated Glass, Add	*170.24*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Single Hung Wood Clad Window	1,044.07	81.92
		For Tempered Low-E Insulated Glass, Add	*176.05*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Single Hung Wood Clad Window	1,060.17	83.55
		For Tempered Low-E Insulated Glass, Add	*178.83*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Single Hung Wood Clad Window	1,076.28	84.63
		For Tempered Low-E Insulated Glass, Add	*181.62*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Single Hung Wood Clad Window	1,093.55	85.72
		For Tempered Low-E Insulated Glass, Add	*184.64*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Single Hung Wood Clad Window	1,109.65	86.26
		For Tempered Low-E Insulated Glass, Add	*187.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	1,143.02	88.43
		For Tempered Low-E Insulated Glass, Add	*193.23*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	1,176.39	90.60
		For Tempered Low-E Insulated Glass, Add	*199.04*	
08 52 16 00-0178		**Double Hung Wood Clad Windows** *(08 52 16)*		
		Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
08 52 16 00-0179		**Double Hung Wood Clad Windows (Andersen 200 TW Series)** *(08 52 16 00-0178)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180		**35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** *(08 52 16 00-0179)*		
08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	352.58	49.91
		For Low-E Insulated Glass, Add	*30.33*	
		For Tempered Clear Insulated Glass, Add	*50.55*	
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	373.30	52.08
		For Low-E Insulated Glass, Add	*32.30*	
		For Tempered Clear Insulated Glass, Add	*53.83*	
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	392.67	54.25
		For Low-E Insulated Glass, Add	*34.10*	
		For Tempered Clear Insulated Glass, Add	*56.83*	
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	412.04	56.42
		For Low-E Insulated Glass, Add	*35.90*	
		For Tempered Clear Insulated Glass, Add	*59.84*	
08 52 16 00-0185		**41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** *(08 52 16 00-0179)*		
08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	382.30	53.17
		For Low-E Insulated Glass, Add	*33.12*	
		For Tempered Clear Insulated Glass, Add	*55.19*	
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	403.04	55.33
		For Low-E Insulated Glass, Add	*35.08*	
		For Tempered Clear Insulated Glass, Add	*58.47*	
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	422.42	57.51
		For Low-E Insulated Glass, Add	*36.89*	
		For Tempered Clear Insulated Glass, Add	*61.48*	
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	441.78	59.67
		For Low-E Insulated Glass, Add	*38.69*	
		For Tempered Clear Insulated Glass, Add	*64.48*	
08 52 16 00-0190		**47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** *(08 52 16 00-0179)*		
08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	412.04	56.42
		For Low-E Insulated Glass, Add	*35.90*	
		For Tempered Clear Insulated Glass, Add	*59.84*	
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	431.41	58.60
		For Low-E Insulated Glass, Add	*37.71*	
		For Tempered Clear Insulated Glass, Add	*62.85*	
08 52 16 00-0193	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	452.14	60.76
		For Low-E Insulated Glass, Add	*39.67*	
		For Tempered Clear Insulated Glass, Add	*66.12*	
08 52 16 00-0194	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	471.51	62.94
		For Low-E Insulated Glass, Add	*41.48*	
		For Tempered Clear Insulated Glass, Add	*69.13*	
08 52 16 00-0195		**53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** *(08 52 16 00-0179)*		
08 52 16 00-0196	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	441.78	59.67
		For Low-E Insulated Glass, Add	*38.69*	
		For Tempered Clear Insulated Glass, Add	*64.48*	
08 52 16 00-0197	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	461.15	61.85
		For Low-E Insulated Glass, Add	*40.49*	
		For Tempered Clear Insulated Glass, Add	*67.49*	
08 52 16 00-0198	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	480.52	64.01
		For Low-E Insulated Glass, Add	*42.30*	
		For Tempered Clear Insulated Glass, Add	*70.50*	
08 52 16 00-0199	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	501.25	66.19
		For Low-E Insulated Glass, Add	*44.26*	
		For Tempered Clear Insulated Glass, Add	*73.77*	
08 52 16 00-0200		**56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** *(08 52 16 00-0179)*		
08 52 16 00-0201	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	436.59	59.67
		For Low-E Insulated Glass, Add	*38.20*	
		For Tempered Clear Insulated Glass, Add	*63.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0202	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	455.96	61.30
		For Low-E Insulated Glass, Add	*40.00*	
		For Tempered Clear Insulated Glass, Add	*66.67*	
08 52 16 00-0203	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	476.70	64.01
		For Low-E Insulated Glass, Add	*41.97*	
		For Tempered Clear Insulated Glass, Add	*69.95*	
08 52 16 00-0204	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	496.07	66.19
		For Low-E Insulated Glass, Add	*43.77*	
		For Tempered Clear Insulated Glass, Add	*72.96*	
08 52 16 00-0205	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	515.43	68.35
		For Low-E Insulated Glass, Add	*45.58*	
		For Tempered Clear Insulated Glass, Add	*75.96*	
08 52 16 00-0206	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	534.80	70.53
		For Low-E Insulated Glass, Add	*47.38*	
		For Tempered Clear Insulated Glass, Add	*78.97*	
08 52 16 00-0207		59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0208	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	452.14	60.76
		For Low-E Insulated Glass, Add	*39.67*	
		For Tempered Clear Insulated Glass, Add	*66.12*	
08 52 16 00-0209	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	471.51	62.94
		For Low-E Insulated Glass, Add	*41.48*	
		For Tempered Clear Insulated Glass, Add	*69.13*	
08 52 16 00-0210	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	490.88	65.10
		For Low-E Insulated Glass, Add	*43.28*	
		For Tempered Clear Insulated Glass, Add	*72.14*	
08 52 16 00-0211	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	510.24	67.27
		For Low-E Insulated Glass, Add	*45.08*	
		For Tempered Clear Insulated Glass, Add	*75.14*	
08 52 16 00-0212	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	529.61	69.44
		For Low-E Insulated Glass, Add	*46.89*	
		For Tempered Clear Insulated Glass, Add	*78.15*	
08 52 16 00-0213	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	550.35	71.61
		For Low-E Insulated Glass, Add	*48.86*	
		For Tempered Clear Insulated Glass, Add	*81.43*	
08 52 16 00-0214		65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0215	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	501.25	66.19
		For Low-E Insulated Glass, Add	*44.26*	
		For Tempered Clear Insulated Glass, Add	*73.77*	
08 52 16 00-0216	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	520.61	68.35
		For Low-E Insulated Glass, Add	*46.07*	
		For Tempered Clear Insulated Glass, Add	*76.78*	
08 52 16 00-0217	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	539.98	70.53
		For Low-E Insulated Glass, Add	*47.87*	
		For Tempered Clear Insulated Glass, Add	*79.79*	
08 52 16 00-0218	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	559.35	72.70
		For Low-E Insulated Glass, Add	*49.68*	
		For Tempered Clear Insulated Glass, Add	*82.79*	
08 52 16 00-0219		71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0220	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	529.61	69.44
		For Low-E Insulated Glass, Add	*46.89*	
		For Tempered Clear Insulated Glass, Add	*78.15*	
08 52 16 00-0221	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	550.35	71.61
		For Low-E Insulated Glass, Add	*48.86*	
		For Tempered Clear Insulated Glass, Add	*81.43*	
08 52 16 00-0222	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	569.73	73.78
		For Low-E Insulated Glass, Add	*50.66*	
		For Tempered Clear Insulated Glass, Add	*84.43*	
08 52 16 00-0223	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	589.09	75.95
		For Low-E Insulated Glass, Add	*52.46*	
		For Tempered Clear Insulated Glass, Add	*87.44*	
08 52 16 00-0224		Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0178)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0225		36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0226	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	433.46	49.91
		For Tempered Low-E Insulated Glass, Add	*66.94*	
08 52 16 00-0227	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	459.66	51.54
		For Tempered Low-E Insulated Glass, Add	*71.32*	
08 52 16 00-0228	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	487.22	53.71
		For Tempered Low-E Insulated Glass, Add	*75.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0229	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	501.69	55.33
		For Tempered Low-E Insulated Glass, Add	*78.42*	
08 52 16 00-0230	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	514.79	56.42
		For Tempered Low-E Insulated Glass, Add	*80.61*	
08 52 16 00-0231	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	527.89	57.51
		For Tempered Low-E Insulated Glass, Add	*82.79*	
08 52 16 00-0232	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	542.35	58.05
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0233	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	568.54	60.22
		For Tempered Low-E Insulated Glass, Add	*89.62*	
08 52 16 00-0234	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.39
		For Tempered Low-E Insulated Glass, Add	*94.27*	

08 52 16 00-0235 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0236	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	459.66	52.08
		For Tempered Low-E Insulated Glass, Add	*71.32*	
08 52 16 00-0237	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	487.22	53.71
		For Tempered Low-E Insulated Glass, Add	*75.96*	
08 52 16 00-0238	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	514.79	55.88
		For Tempered Low-E Insulated Glass, Add	*80.61*	
08 52 16 00-0239	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	527.89	57.51
		For Tempered Low-E Insulated Glass, Add	*82.79*	
08 52 16 00-0240	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	542.35	58.60
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0241	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	555.45	59.67
		For Tempered Low-E Insulated Glass, Add	*87.44*	
08 52 16 00-0242	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	568.54	60.22
		For Tempered Low-E Insulated Glass, Add	*89.62*	
08 52 16 00-0243	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.39
		For Tempered Low-E Insulated Glass, Add	*94.27*	
08 52 16 00-0244	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	64.56
		For Tempered Low-E Insulated Glass, Add	*98.91*	

08 52 16 00-0245 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0246	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	487.22	54.25
		For Tempered Low-E Insulated Glass, Add	*75.96*	
08 52 16 00-0247	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	514.79	55.88
		For Tempered Low-E Insulated Glass, Add	*80.61*	
08 52 16 00-0248	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	542.35	58.05
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0249	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	555.45	59.67
		For Tempered Low-E Insulated Glass, Add	*87.44*	
08 52 16 00-0250	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	568.54	60.76
		For Tempered Low-E Insulated Glass, Add	*89.62*	
08 52 16 00-0251	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	583.02	61.85
		For Tempered Low-E Insulated Glass, Add	*92.08*	
08 52 16 00-0252	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.39
		For Tempered Low-E Insulated Glass, Add	*94.27*	
08 52 16 00-0253	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	64.56
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-0254	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	66.73
		For Tempered Low-E Insulated Glass, Add	*103.56*	

08 52 16 00-0255 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0256	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	514.79	56.42
		For Tempered Low-E Insulated Glass, Add	*80.61*	
08 52 16 00-0257	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	542.35	58.05
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0258	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	568.54	60.22
		For Tempered Low-E Insulated Glass, Add	*89.62*	
08 52 16 00-0259	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	583.02	61.85
		For Tempered Low-E Insulated Glass, Add	*92.08*	
08 52 16 00-0260	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.94
		For Tempered Low-E Insulated Glass, Add	*94.27*	
08 52 16 00-0261	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	609.22	64.01
		For Tempered Low-E Insulated Glass, Add	*96.45*	
08 52 16 00-0262	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	64.56
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-0263	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	66.73
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0264	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	68.90
		For Tempered Low-E Insulated Glass, Add	*107.93*	

08 52 16 00-0265 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0266	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	542.35	58.60
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-0267	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	568.54	60.22
		For Tempered Low-E Insulated Glass, Add	*89.62*	
08 52 16 00-0268	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.39
		For Tempered Low-E Insulated Glass, Add	*94.27*	
08 52 16 00-0269	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	609.22	64.01
		For Tempered Low-E Insulated Glass, Add	*96.45*	
08 52 16 00-0270	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	65.10
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-0271	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	636.78	66.19
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0272	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	66.73
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0273	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	68.90
		For Tempered Low-E Insulated Glass, Add	*107.93*	
08 52 16 00-0274	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.07
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0275		56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0276	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	568.54	60.76
		For Tempered Low-E Insulated Glass, Add	*89.62*	
08 52 16 00-0277	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.39
		For Tempered Low-E Insulated Glass, Add	*94.27*	
08 52 16 00-0278	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	64.56
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-0279	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	636.78	66.19
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0280	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	67.27
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0281	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.35	68.35
		For Tempered Low-E Insulated Glass, Add	*105.74*	
08 52 16 00-0282	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	68.90
		For Tempered Low-E Insulated Glass, Add	*107.93*	
08 52 16 00-0283	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.07
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0284	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.58	73.24
		For Tempered Low-E Insulated Glass, Add	*117.22*	
08 52 16 00-0285		60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0286	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	596.11	62.94
		For Tempered Low-E Insulated Glass, Add	*94.27*	
08 52 16 00-0287	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	64.56
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-0288	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	66.73
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0289	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	664.35	68.35
		For Tempered Low-E Insulated Glass, Add	*105.74*	
08 52 16 00-0290	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	69.44
		For Tempered Low-E Insulated Glass, Add	*107.93*	
08 52 16 00-0291	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	691.91	70.53
		For Tempered Low-E Insulated Glass, Add	*110.39*	
08 52 16 00-0292	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.07
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0293	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.58	73.24
		For Tempered Low-E Insulated Glass, Add	*117.22*	
08 52 16 00-0294	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	758.78	75.40
		For Tempered Low-E Insulated Glass, Add	*121.59*	
08 52 16 00-0295		64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0296	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	623.67	65.10
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-0297	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	66.73
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0298	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	68.90
		For Tempered Low-E Insulated Glass, Add	*107.93*	
08 52 16 00-0299	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	691.91	70.53
		For Tempered Low-E Insulated Glass, Add	*110.39*	
08 52 16 00-0300	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.61
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0301	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	718.11	72.70
		For Tempered Low-E Insulated Glass, Add	*114.76*	
08 52 16 00-0302	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.58	73.24
		For Tempered Low-E Insulated Glass, Add	*117.22*	
08 52 16 00-0303	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	758.78	75.40
		For Tempered Low-E Insulated Glass, Add	*121.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0304	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	786.34	77.58
		For Tempered Low-E Insulated Glass, Add	*126.24*	
08 52 16 00-0305		68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0306	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	651.25	67.27
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0307	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	68.90
		For Tempered Low-E Insulated Glass, Add	*107.93*	
08 52 16 00-0308	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.07
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0309	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	718.11	72.70
		For Tempered Low-E Insulated Glass, Add	*114.76*	
08 52 16 00-0310	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.58	73.78
		For Tempered Low-E Insulated Glass, Add	*117.22*	
08 52 16 00-0311	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	745.68	74.87
		For Tempered Low-E Insulated Glass, Add	*119.41*	
08 52 16 00-0312	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	758.78	75.40
		For Tempered Low-E Insulated Glass, Add	*121.59*	
08 52 16 00-0313	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	786.34	77.58
		For Tempered Low-E Insulated Glass, Add	*126.24*	
08 52 16 00-0314	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	813.91	79.75
		For Tempered Low-E Insulated Glass, Add	*130.88*	
08 52 16 00-0315		72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0316	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.45	69.44
		For Tempered Low-E Insulated Glass, Add	*107.93*	
08 52 16 00-0317	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.07
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0318	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.58	73.24
		For Tempered Low-E Insulated Glass, Add	*117.22*	
08 52 16 00-0319	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	745.68	74.87
		For Tempered Low-E Insulated Glass, Add	*119.41*	
08 52 16 00-0320	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	758.78	75.95
		For Tempered Low-E Insulated Glass, Add	*121.59*	
08 52 16 00-0321	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	773.23	77.04
		For Tempered Low-E Insulated Glass, Add	*124.05*	
08 52 16 00-0322	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	786.34	77.58
		For Tempered Low-E Insulated Glass, Add	*126.24*	
08 52 16 00-0323	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	813.91	79.75
		For Tempered Low-E Insulated Glass, Add	*130.88*	
08 52 16 00-0324	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	841.48	81.92
		For Tempered Low-E Insulated Glass, Add	*135.53*	
08 52 16 00-0325		76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0326	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	705.01	71.61
		For Tempered Low-E Insulated Glass, Add	*112.57*	
08 52 16 00-0327	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.58	73.24
		For Tempered Low-E Insulated Glass, Add	*117.22*	
08 52 16 00-0328	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	758.78	75.40
		For Tempered Low-E Insulated Glass, Add	*121.59*	
08 52 16 00-0329	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	773.23	77.04
		For Tempered Low-E Insulated Glass, Add	*124.05*	
08 52 16 00-0330	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	786.34	78.12
		For Tempered Low-E Insulated Glass, Add	*126.24*	
08 52 16 00-0331	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	800.80	79.21
		For Tempered Low-E Insulated Glass, Add	*128.70*	
08 52 16 00-0332	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	813.91	79.75
		For Tempered Low-E Insulated Glass, Add	*130.88*	
08 52 16 00-0333	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	841.48	81.92
		For Tempered Low-E Insulated Glass, Add	*135.53*	
08 52 16 00-0334	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	867.67	84.09
		For Tempered Low-E Insulated Glass, Add	*139.90*	
08 52 16 00-0335		84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0336	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,083.93	75.95
		For Tempered Low-E Insulated Glass, Add	*186.62*	
08 52 16 00-0337	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,122.43	77.58
		For Tempered Low-E Insulated Glass, Add	*193.45*	
08 52 16 00-0338	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,160.92	79.75
		For Tempered Low-E Insulated Glass, Add	*200.28*	
08 52 16 00-0339	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,179.49	81.38
		For Tempered Low-E Insulated Glass, Add	*203.56*	
08 52 16 00-0340	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,199.42	82.46
		For Tempered Low-E Insulated Glass, Add	*207.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0341	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,217.98	83.55
		For Tempered Low-E Insulated Glass, Add	*210.39*	
08 52 16 00-0342	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,236.55	84.09
		For Tempered Low-E Insulated Glass, Add	*213.67*	
08 52 16 00-0343	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,275.04	86.26
		For Tempered Low-E Insulated Glass, Add	*220.50*	
08 52 16 00-0344	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,313.54	88.43
		For Tempered Low-E Insulated Glass, Add	*227.34*	
08 52 16 00-0345		88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0346	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,122.43	78.12
		For Tempered Low-E Insulated Glass, Add	*193.45*	
08 52 16 00-0347	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,160.92	79.75
		For Tempered Low-E Insulated Glass, Add	*200.28*	
08 52 16 00-0348	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,199.42	81.92
		For Tempered Low-E Insulated Glass, Add	*207.12*	
08 52 16 00-0349	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,217.98	83.55
		For Tempered Low-E Insulated Glass, Add	*210.39*	
08 52 16 00-0350	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,236.55	84.63
		For Tempered Low-E Insulated Glass, Add	*213.67*	
08 52 16 00-0351	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,256.48	85.72
		For Tempered Low-E Insulated Glass, Add	*217.23*	
08 52 16 00-0352	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,275.04	86.26
		For Tempered Low-E Insulated Glass, Add	*220.50*	
08 52 16 00-0353	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,313.54	88.43
		For Tempered Low-E Insulated Glass, Add	*227.34*	
08 52 16 00-0354	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,352.03	90.60
		For Tempered Low-E Insulated Glass, Add	*234.17*	
08 52 16 00-0355		Casement Wood Clad Windows *(08 52 16)* Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
08 52 16 00-0356		Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0355)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0357		One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*		
08 52 16 00-0358		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0359	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	391.64	41.23
		For Tempered Clear Insulated Glass, Add	*62.05*	
08 52 16 00-0360	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	414.13	42.32
		For Tempered Clear Insulated Glass, Add	*65.90*	
08 52 16 00-0361	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	439.33	44.49
		For Tempered Clear Insulated Glass, Add	*70.07*	
08 52 16 00-0362	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	462.57	46.66
		For Tempered Clear Insulated Glass, Add	*73.85*	
08 52 16 00-0363		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0364	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	420.04	43.40
		For Tempered Clear Insulated Glass, Add	*66.86*	
08 52 16 00-0365	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	442.54	44.49
		For Tempered Clear Insulated Glass, Add	*70.71*	
08 52 16 00-0366	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	467.73	46.66
		For Tempered Clear Insulated Glass, Add	*74.88*	
08 52 16 00-0367	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	480.31	48.83
		For Tempered Clear Insulated Glass, Add	*76.53*	
08 52 16 00-0368	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	509.42	50.99
		For Tempered Clear Insulated Glass, Add	*81.70*	
08 52 16 00-0369		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0370	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	470.94	46.66
		For Tempered Clear Insulated Glass, Add	*75.53*	
08 52 16 00-0371	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	495.04	48.83
		For Tempered Clear Insulated Glass, Add	*79.70*	
08 52 16 00-0372	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	520.24	50.46
		For Tempered Clear Insulated Glass, Add	*83.87*	
08 52 16 00-0373	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	559.87	52.62
		For Tempered Clear Insulated Glass, Add	*90.92*	
08 52 16 00-0374	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	597.56	54.25
		For Tempered Clear Insulated Glass, Add	*97.81*	
08 52 16 00-0375	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	634.26	55.33
		For Tempered Clear Insulated Glass, Add	*104.72*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0376 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0377	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	505.24	49.91
		For Tempered Clear Insulated Glass, Add	*81.30*	
08 52 16 00-0378	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	527.74	50.99
		For Tempered Clear Insulated Glass, Add	*85.15*	
08 52 16 00-0379	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	552.93	53.17
		For Tempered Clear Insulated Glass, Add	*89.32*	
08 52 16 00-0380	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	610.20	55.33
		For Tempered Clear Insulated Glass, Add	*99.91*	
08 52 16 00-0381	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	649.69	57.51
		For Tempered Clear Insulated Glass, Add	*107.15*	
08 52 16 00-0382	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	686.78	59.67
		For Tempered Clear Insulated Glass, Add	*113.70*	

08 52 16 00-0383 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0384	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	554.02	54.25
		For Tempered Clear Insulated Glass, Add	*89.32*	
08 52 16 00-0385	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	578.12	55.33
		For Tempered Clear Insulated Glass, Add	*93.49*	
08 52 16 00-0386	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	603.32	57.51
		For Tempered Clear Insulated Glass, Add	*97.66*	
08 52 16 00-0387	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	682.24	59.67
		For Tempered Clear Insulated Glass, Add	*112.58*	
08 52 16 00-0388	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	713.19	61.85
		For Tempered Clear Insulated Glass, Add	*118.12*	
08 52 16 00-0389	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	759.62	64.01
		For Tempered Clear Insulated Glass, Add	*126.53*	

08 52 16 00-0390 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0391	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	587.23	56.42
		For Tempered Clear Insulated Glass, Add	*95.09*	
08 52 16 00-0392	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	609.74	57.51
		For Tempered Clear Insulated Glass, Add	*98.94*	
08 52 16 00-0393	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	634.93	59.67
		For Tempered Clear Insulated Glass, Add	*103.11*	
08 52 16 00-0394	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	732.31	61.85
		For Tempered Clear Insulated Glass, Add	*121.72*	
08 52 16 00-0395	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	778.44	64.01
		For Tempered Clear Insulated Glass, Add	*130.30*	
08 52 16 00-0396	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	808.87	66.19
		For Tempered Clear Insulated Glass, Add	*135.52*	

08 52 16 00-0397 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0398	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	634.93	59.67
		For Tempered Clear Insulated Glass, Add	*103.11*	
08 52 16 00-0399	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	659.04	61.85
		For Tempered Clear Insulated Glass, Add	*107.29*	
08 52 16 00-0400	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	684.23	63.47
		For Tempered Clear Insulated Glass, Add	*111.46*	
08 52 16 00-0401	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	804.06	65.65
		For Tempered Clear Insulated Glass, Add	*134.55*	
08 52 16 00-0402	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	836.79	67.27
		For Tempered Clear Insulated Glass, Add	*140.45*	
08 52 16 00-0403	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	880.62	69.44
		For Tempered Clear Insulated Glass, Add	*148.35*	

08 52 16 00-0404 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0405	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	669.22	62.94
		For Tempered Clear Insulated Glass, Add	*108.89*	
08 52 16 00-0406	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	691.73	64.01
		For Tempered Clear Insulated Glass, Add	*112.74*	
08 52 16 00-0407	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	716.93	66.19
		For Tempered Clear Insulated Glass, Add	*116.91*	
08 52 16 00-0408	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	854.39	68.35
		For Tempered Clear Insulated Glass, Add	*143.54*	
08 52 16 00-0409	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	884.86	70.53
		For Tempered Clear Insulated Glass, Add	*148.98*	
08 52 16 00-0410	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	930.96	72.70
		For Tempered Clear Insulated Glass, Add	*157.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0411		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0412	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	716.93	66.19
		For Tempered Clear Insulated Glass, Add	*116.91*	
08 52 16 00-0413	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	741.03	68.35
		For Tempered Clear Insulated Glass, Add	*121.08*	
08 52 16 00-0414	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	766.22	69.99
		For Tempered Clear Insulated Glass, Add	*125.25*	
08 52 16 00-0415	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	926.15	72.15
		For Tempered Clear Insulated Glass, Add	*156.37*	
08 52 16 00-0416	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	963.52	73.78
		For Tempered Clear Insulated Glass, Add	*163.19*	
08 52 16 00-0417	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,002.73	75.95
		For Tempered Clear Insulated Glass, Add	*170.16*	
08 52 16 00-0418		Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*		
08 52 16 00-0419		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0420	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	700.41	53.17
		For Tempered Clear Insulated Glass, Add	*118.82*	
08 52 16 00-0421	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	795.96	57.51
		For Tempered Clear Insulated Glass, Add	*136.19*	
08 52 16 00-0422	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	906.61	61.85
		For Tempered Clear Insulated Glass, Add	*156.58*	
08 52 16 00-0423		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0424	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	755.65	55.33
		For Tempered Clear Insulated Glass, Add	*129.00*	
08 52 16 00-0425	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	851.20	59.67
		For Tempered Clear Insulated Glass, Add	*146.37*	
08 52 16 00-0426	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	961.85	64.01
		For Tempered Clear Insulated Glass, Add	*166.76*	
08 52 16 00-0427		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0428	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	748.83	55.33
		For Tempered Clear Insulated Glass, Add	*127.63*	
08 52 16 00-0429	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	846.25	59.67
		For Tempered Clear Insulated Glass, Add	*145.60*	
08 52 16 00-0430	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	947.97	64.01
		For Tempered Clear Insulated Glass, Add	*164.20*	
08 52 16 00-0431	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,065.72	67.81
		For Tempered Clear Insulated Glass, Add	*186.02*	
08 52 16 00-0432	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,144.62	71.07
		For Tempered Clear Insulated Glass, Add	*200.50*	
08 52 16 00-0433	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,276.09	75.95
		For Tempered Clear Insulated Glass, Add	*224.84*	
08 52 16 00-0434		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0435	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	816.81	58.05
		For Tempered Clear Insulated Glass, Add	*140.14*	
08 52 16 00-0436	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	914.24	61.85
		For Tempered Clear Insulated Glass, Add	*158.11*	
08 52 16 00-0437	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,015.95	66.19
		For Tempered Clear Insulated Glass, Add	*176.71*	
08 52 16 00-0438	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,133.70	70.53
		For Tempered Clear Insulated Glass, Add	*198.53*	
08 52 16 00-0439	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,221.11	73.78
		For Tempered Clear Insulated Glass, Add	*214.71*	
08 52 16 00-0440	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,589.47	78.67
		For Tempered Clear Insulated Glass, Add	*286.43*	
08 52 16 00-0441		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0442	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	916.91	62.39
		For Tempered Clear Insulated Glass, Add	*158.43*	
08 52 16 00-0443	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,015.95	66.19
		For Tempered Clear Insulated Glass, Add	*176.71*	
08 52 16 00-0444	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,117.66	70.53
		For Tempered Clear Insulated Glass, Add	*195.32*	

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08 52 16 00-0445	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,235.41	74.87
		For Tempered Clear Insulated Glass, Add	*217.14*	
08 52 16 00-0446	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,319.13	78.12
		For Tempered Clear Insulated Glass, Add	*232.58*	
08 52 16 00-0447	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,445.78	83.01
		For Tempered Clear Insulated Glass, Add	*255.95*	
08 52 16 00-0448		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0449	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	983.81	64.56
		For Tempered Clear Insulated Glass, Add	*170.94*	
08 52 16 00-0450	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,081.24	68.35
		For Tempered Clear Insulated Glass, Add	*188.91*	
08 52 16 00-0451	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,171.05	72.70
		For Tempered Clear Insulated Glass, Add	*205.13*	
08 52 16 00-0452	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,300.71	77.04
		For Tempered Clear Insulated Glass, Add	*229.33*	
08 52 16 00-0453	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,388.44	80.29
		For Tempered Clear Insulated Glass, Add	*245.57*	
08 52 16 00-0454	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,512.68	85.17
		For Tempered Clear Insulated Glass, Add	*268.47*	
08 52 16 00-0455		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0456	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,082.84	68.35
		For Tempered Clear Insulated Glass, Add	*189.23*	
08 52 16 00-0457	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,180.27	72.70
		For Tempered Clear Insulated Glass, Add	*207.19*	
08 52 16 00-0458	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,281.97	77.04
		For Tempered Clear Insulated Glass, Add	*225.80*	
08 52 16 00-0459	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,399.74	80.83
		For Tempered Clear Insulated Glass, Add	*247.61*	
08 52 16 00-0460	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,487.46	84.09
		For Tempered Clear Insulated Glass, Add	*263.86*	
08 52 16 00-0461	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,610.09	88.97
		For Tempered Clear Insulated Glass, Add	*286.43*	
08 52 16 00-0462		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0463	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,150.83	71.07
		For Tempered Clear Insulated Glass, Add	*201.74*	
08 52 16 00-0464	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,248.24	74.87
		For Tempered Clear Insulated Glass, Add	*219.70*	
08 52 16 00-0465	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,351.56	79.21
		For Tempered Clear Insulated Glass, Add	*238.63*	
08 52 16 00-0466	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,469.32	83.55
		For Tempered Clear Insulated Glass, Add	*260.45*	
08 52 16 00-0467		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0468	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,249.85	74.87
		For Tempered Clear Insulated Glass, Add	*220.02*	
08 52 16 00-0469	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,347.26	79.21
		For Tempered Clear Insulated Glass, Add	*237.99*	
08 52 16 00-0470	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,448.99	83.55
		For Tempered Clear Insulated Glass, Add	*256.60*	
08 52 16 00-0471	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,566.74	87.35
		For Tempered Clear Insulated Glass, Add	*278.41*	
08 52 16 00-0472		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*		
08 52 16 00-0473		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0474	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,110.30	69.99
		For Tempered Clear Insulated Glass, Add	*194.07*	
08 52 16 00-0475	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,291.39	77.04
		For Tempered Clear Insulated Glass, Add	*227.46*	
08 52 16 00-0476		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		

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08 52 16 00-0477	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,178.18	72.15
		For Tempered Clear Insulated Glass, Add	*206.77*	
08 52 16 00-0478	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,347.36	79.21
		For Tempered Clear Insulated Glass, Add	*237.79*	
08 52 16 00-0479		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0480	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,134.02	70.53
		For Tempered Clear Insulated Glass, Add	*198.59*	
08 52 16 00-0481	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,279.30	75.95
		For Tempered Clear Insulated Glass, Add	*225.48*	
08 52 16 00-0482	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,458.61	83.55
		For Tempered Clear Insulated Glass, Add	*258.52*	
08 52 16 00-0483		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0484	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,198.74	73.78
		For Tempered Clear Insulated Glass, Add	*210.45*	
08 52 16 00-0485	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,348.87	78.67
		For Tempered Clear Insulated Glass, Add	*238.31*	
08 52 16 00-0486	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,526.59	85.72
		For Tempered Clear Insulated Glass, Add	*271.03*	
08 52 16 00-0487		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0488	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,448.99	83.01
		For Tempered Clear Insulated Glass, Add	*256.60*	
08 52 16 00-0489	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,626.71	90.06
		For Tempered Clear Insulated Glass, Add	*289.32*	
08 52 16 00-0490		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0491	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,515.89	85.17
		For Tempered Clear Insulated Glass, Add	*269.11*	
08 52 16 00-0492	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,693.61	92.22
		For Tempered Clear Insulated Glass, Add	*301.83*	
08 52 16 00-0493		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0494	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,613.30	88.97
		For Tempered Clear Insulated Glass, Add	*287.07*	
08 52 16 00-0495	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,792.63	96.56
		For Tempered Clear Insulated Glass, Add	*320.12*	
08 52 16 00-0496		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0355)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0497		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0498		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0499	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	466.22	41.23
		For Tempered Low-E Insulated Glass, Add	*76.97*	
08 52 16 00-0500	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	493.53	42.32
		For Tempered Low-E Insulated Glass, Add	*81.78*	
08 52 16 00-0501	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	523.94	44.49
		For Tempered Low-E Insulated Glass, Add	*86.99*	
08 52 16 00-0502	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	551.91	46.66
		For Tempered Low-E Insulated Glass, Add	*91.72*	

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08 52 16 00-0503 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0504	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	500.64	43.40
		For Tempered Low-E Insulated Glass, Add	*82.98*	
08 52 16 00-0505	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	527.95	44.49
		For Tempered Low-E Insulated Glass, Add	*87.80*	
08 52 16 00-0506	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	558.36	46.66
		For Tempered Low-E Insulated Glass, Add	*93.01*	
08 52 16 00-0507	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	573.00	48.83
		For Tempered Low-E Insulated Glass, Add	*95.07*	
08 52 16 00-0508	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	608.57	50.99
		For Tempered Low-E Insulated Glass, Add	*101.53*	

08 52 16 00-0509 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0510	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	562.37	46.66
		For Tempered Low-E Insulated Glass, Add	*93.81*	
08 52 16 00-0511	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	591.68	48.83
		For Tempered Low-E Insulated Glass, Add	*99.02*	
08 52 16 00-0512	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	622.10	50.46
		For Tempered Low-E Insulated Glass, Add	*104.24*	
08 52 16 00-0513	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	670.55	52.62
		For Tempered Low-E Insulated Glass, Add	*113.06*	
08 52 16 00-0514	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	716.84	54.25
		For Tempered Low-E Insulated Glass, Add	*121.67*	
08 52 16 00-0515	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	762.18	55.33
		For Tempered Low-E Insulated Glass, Add	*130.30*	

08 52 16 00-0516 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0517	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	603.89	49.91
		For Tempered Low-E Insulated Glass, Add	*101.03*	
08 52 16 00-0518	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	631.20	50.99
		For Tempered Low-E Insulated Glass, Add	*105.84*	
08 52 16 00-0519	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	661.60	53.17
		For Tempered Low-E Insulated Glass, Add	*111.05*	
08 52 16 00-0520	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	732.11	55.33
		For Tempered Low-E Insulated Glass, Add	*124.29*	
08 52 16 00-0521	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	780.65	57.51
		For Tempered Low-E Insulated Glass, Add	*133.34*	
08 52 16 00-0522	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	825.93	59.67
		For Tempered Low-E Insulated Glass, Add	*141.53*	

08 52 16 00-0523 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0524	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	662.69	54.25
		For Tempered Low-E Insulated Glass, Add	*111.05*	
08 52 16 00-0525	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	692.01	55.33
		For Tempered Low-E Insulated Glass, Add	*116.27*	
08 52 16 00-0526	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	722.42	57.51
		For Tempered Low-E Insulated Glass, Add	*121.48*	
08 52 16 00-0527	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	819.99	59.67
		For Tempered Low-E Insulated Glass, Add	*140.13*	
08 52 16 00-0528	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	857.85	61.85
		For Tempered Low-E Insulated Glass, Add	*147.05*	
08 52 16 00-0529	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	914.81	64.01
		For Tempered Low-E Insulated Glass, Add	*157.57*	

08 52 16 00-0530 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0531	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	703.12	56.42
		For Tempered Low-E Insulated Glass, Add	*118.27*	
08 52 16 00-0532	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	730.44	57.51
		For Tempered Low-E Insulated Glass, Add	*123.08*	
08 52 16 00-0533	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	760.85	59.67
		For Tempered Low-E Insulated Glass, Add	*128.30*	
08 52 16 00-0534	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	881.48	61.85
		For Tempered Low-E Insulated Glass, Add	*151.56*	
08 52 16 00-0535	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	938.34	64.01
		For Tempered Low-E Insulated Glass, Add	*162.28*	
08 52 16 00-0536	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	975.29	66.19
		For Tempered Low-E Insulated Glass, Add	*168.80*	

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08 52 16 00-0537		**59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0538	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	760.85	59.67
		For Tempered Low-E Insulated Glass, Add	*128.30*	
08 52 16 00-0539	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	790.17	61.85
		For Tempered Low-E Insulated Glass, Add	*133.51*	
08 52 16 00-0540	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	820.57	63.47
		For Tempered Low-E Insulated Glass, Add	*138.72*	
08 52 16 00-0541	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	969.27	65.65
		For Tempered Low-E Insulated Glass, Add	*167.60*	
08 52 16 00-0542	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,009.38	67.27
		For Tempered Low-E Insulated Glass, Add	*174.97*	
08 52 16 00-0543	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,063.08	69.44
		For Tempered Low-E Insulated Glass, Add	*184.84*	
08 52 16 00-0544		**64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0545	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	802.35	62.94
		For Tempered Low-E Insulated Glass, Add	*135.52*	
08 52 16 00-0546	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	829.68	64.01
		For Tempered Low-E Insulated Glass, Add	*140.33*	
08 52 16 00-0547	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	860.09	66.19
		For Tempered Low-E Insulated Glass, Add	*145.54*	
08 52 16 00-0548	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,030.83	68.35
		For Tempered Low-E Insulated Glass, Add	*178.82*	
08 52 16 00-0549	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,068.10	70.53
		For Tempered Low-E Insulated Glass, Add	*185.63*	
08 52 16 00-0550	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,124.65	72.70
		For Tempered Low-E Insulated Glass, Add	*196.07*	
08 52 16 00-0551		**71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0552	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	860.09	66.19
		For Tempered Low-E Insulated Glass, Add	*145.54*	
08 52 16 00-0553	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	889.40	68.35
		For Tempered Low-E Insulated Glass, Add	*150.75*	
08 52 16 00-0554	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	919.81	69.99
		For Tempered Low-E Insulated Glass, Add	*155.97*	
08 52 16 00-0555	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,118.64	72.15
		For Tempered Low-E Insulated Glass, Add	*194.87*	
08 52 16 00-0556	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,164.54	73.78
		For Tempered Low-E Insulated Glass, Add	*203.39*	
08 52 16 00-0557	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,212.45	75.95
		For Tempered Low-E Insulated Glass, Add	*212.11*	
08 52 16 00-0558		**Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0496)*		
08 52 16 00-0559		**24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0560	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	842.97	53.17
		For Tempered Low-E Insulated Glass, Add	*147.33*	
08 52 16 00-0561	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	960.24	57.51
		For Tempered Low-E Insulated Glass, Add	*169.04*	
08 52 16 00-0562	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,096.38	61.85
		For Tempered Low-E Insulated Glass, Add	*194.54*	
08 52 16 00-0563		**28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0564	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	910.94	55.33
		For Tempered Low-E Insulated Glass, Add	*160.05*	
08 52 16 00-0565	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,028.21	59.67
		For Tempered Low-E Insulated Glass, Add	*181.77*	
08 52 16 00-0566	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,164.35	64.01
		For Tempered Low-E Insulated Glass, Add	*207.26*	
08 52 16 00-0567		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0568	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	902.41	55.33
		For Tempered Low-E Insulated Glass, Add	*158.35*	
08 52 16 00-0569	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,022.30	59.67
		For Tempered Low-E Insulated Glass, Add	*180.81*	
08 52 16 00-0570	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,147.27	64.01
		For Tempered Low-E Insulated Glass, Add	*204.06*	

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08 52 16 00-0571	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,292.29	67.81
		For Tempered Low-E Insulated Glass, Add	*231.33*	
08 52 16 00-0572	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,389.28	71.07
		For Tempered Low-E Insulated Glass, Add	*249.43*	
08 52 16 00-0573	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,551.18	75.95
		For Tempered Low-E Insulated Glass, Add	*279.85*	
08 52 16 00-0574		**40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0575	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	986.04	58.05
		For Tempered Low-E Insulated Glass, Add	*173.99*	
08 52 16 00-0576	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,105.92	61.85
		For Tempered Low-E Insulated Glass, Add	*196.44*	
08 52 16 00-0577	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,230.89	66.19
		For Tempered Low-E Insulated Glass, Add	*219.70*	
08 52 16 00-0578	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,375.91	70.53
		For Tempered Low-E Insulated Glass, Add	*246.97*	
08 52 16 00-0579	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,483.54	73.78
		For Tempered Low-E Insulated Glass, Add	*267.19*	
08 52 16 00-0580	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,941.56	78.67
		For Tempered Low-E Insulated Glass, Add	*356.85*	
08 52 16 00-0581		**48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0582	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,109.00	62.39
		For Tempered Low-E Insulated Glass, Add	*196.85*	
08 52 16 00-0583	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,230.89	66.19
		For Tempered Low-E Insulated Glass, Add	*219.70*	
08 52 16 00-0584	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,355.86	70.53
		For Tempered Low-E Insulated Glass, Add	*242.96*	
08 52 16 00-0585	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,500.88	74.87
		For Tempered Low-E Insulated Glass, Add	*270.23*	
08 52 16 00-0586	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,603.90	78.12
		For Tempered Low-E Insulated Glass, Add	*289.53*	
08 52 16 00-0587	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,759.77	83.01
		For Tempered Low-E Insulated Glass, Add	*318.75*	
08 52 16 00-0588		**52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0589	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,191.53	64.56
		For Tempered Low-E Insulated Glass, Add	*212.48*	
08 52 16 00-0590	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,311.42	68.35
		For Tempered Low-E Insulated Glass, Add	*234.94*	
08 52 16 00-0591	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,424.48	72.70
		For Tempered Low-E Insulated Glass, Add	*255.82*	
08 52 16 00-0592	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,581.41	77.04
		For Tempered Low-E Insulated Glass, Add	*285.47*	
08 52 16 00-0593	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,689.45	80.29
		For Tempered Low-E Insulated Glass, Add	*305.77*	
08 52 16 00-0594	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,842.31	85.17
		For Tempered Low-E Insulated Glass, Add	*334.39*	
08 52 16 00-0595		**59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0596	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,313.42	68.35
		For Tempered Low-E Insulated Glass, Add	*235.34*	
08 52 16 00-0597	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,433.30	72.70
		For Tempered Low-E Insulated Glass, Add	*257.80*	
08 52 16 00-0598	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,558.27	77.04
		For Tempered Low-E Insulated Glass, Add	*281.06*	
08 52 16 00-0599	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,703.30	80.83
		For Tempered Low-E Insulated Glass, Add	*308.33*	
08 52 16 00-0600	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,811.33	84.09
		For Tempered Low-E Insulated Glass, Add	*328.63*	
08 52 16 00-0601	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,962.18	88.97
		For Tempered Low-E Insulated Glass, Add	*356.85*	
08 52 16 00-0602		**64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0603	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,397.05	71.07
		For Tempered Low-E Insulated Glass, Add	*250.98*	
08 52 16 00-0604	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,516.92	74.87
		For Tempered Low-E Insulated Glass, Add	*273.44*	
08 52 16 00-0605	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,643.90	79.21
		For Tempered Low-E Insulated Glass, Add	*297.10*	

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08 52 16 00-0606	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,788.92	83.55
		For Tempered Low-E Insulated Glass, Add	*324.37*	
08 52 16 00-0607		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0608	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,518.93	74.87
		For Tempered Low-E Insulated Glass, Add	*273.84*	
08 52 16 00-0609	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,638.80	79.21
		For Tempered Low-E Insulated Glass, Add	*296.30*	
08 52 16 00-0610	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,763.78	83.55
		For Tempered Low-E Insulated Glass, Add	*319.55*	
08 52 16 00-0611	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,908.80	87.35
		For Tempered Low-E Insulated Glass, Add	*346.82*	
08 52 16 00-0612		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0613		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0614	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,349.90	69.99
		For Tempered Low-E Insulated Glass, Add	*241.99*	
08 52 16 00-0615	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,569.76	77.04
		For Tempered Low-E Insulated Glass, Add	*283.14*	
08 52 16 00-0616		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0617	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,430.69	72.15
		For Tempered Low-E Insulated Glass, Add	*257.28*	
08 52 16 00-0618	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,638.64	79.21
		For Tempered Low-E Insulated Glass, Add	*296.05*	
08 52 16 00-0619		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0620	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,376.31	70.53
		For Tempered Low-E Insulated Glass, Add	*247.05*	
08 52 16 00-0621	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,555.19	75.95
		For Tempered Low-E Insulated Glass, Add	*280.66*	
08 52 16 00-0622	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,775.81	83.55
		For Tempered Low-E Insulated Glass, Add	*321.96*	
08 52 16 00-0623		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0624	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,455.85	73.78
		For Tempered Low-E Insulated Glass, Add	*261.87*	
08 52 16 00-0625	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,640.80	78.67
		For Tempered Low-E Insulated Glass, Add	*296.70*	
08 52 16 00-0626	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,859.43	85.72
		For Tempered Low-E Insulated Glass, Add	*337.60*	
08 52 16 00-0627		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0628	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,763.78	83.01
		For Tempered Low-E Insulated Glass, Add	*319.55*	
08 52 16 00-0629	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,982.41	90.06
		For Tempered Low-E Insulated Glass, Add	*360.46*	
08 52 16 00-0630		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0631	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,846.32	85.17
		For Tempered Low-E Insulated Glass, Add	*335.19*	

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08 52 16 00-0632	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,064.94	92.22
		For Tempered Low-E Insulated Glass, Add	*376.10*	

08 52 16 00-0633 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*

08 52 16 00-0634	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,966.19	88.97
		For Tempered Low-E Insulated Glass, Add	*357.65*	
08 52 16 00-0635	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,186.82	96.56
		For Tempered Low-E Insulated Glass, Add	*398.95*	

08 52 16 00-0636 Awning Wood Clad Windows *(08 52 16)*

Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.

08 52 16 00-0637 Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0636)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0638 Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0637)*

08 52 16 00-0639 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0640	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	424.03	44.49
		For Tempered Clear Insulated Glass, Add	*67.01*	
08 52 16 00-0641	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	454.04	46.66
		For Tempered Clear Insulated Glass, Add	*72.15*	
08 52 16 00-0642	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	478.60	48.28
		For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0643	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	509.76	50.46
		For Tempered Clear Insulated Glass, Add	*81.77*	
08 52 16 00-0644	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	545.65	53.17
		For Tempered Clear Insulated Glass, Add	*87.86*	
08 52 16 00-0645	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	600.86	57.51
		For Tempered Clear Insulated Glass, Add	*97.17*	
08 52 16 00-0646	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	635.68	59.67
		For Tempered Clear Insulated Glass, Add	*103.26*	
08 52 16 00-0647	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	686.58	64.01
		For Tempered Clear Insulated Glass, Add	*111.93*	
08 52 16 00-0648	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	705.73	66.19
		For Tempered Clear Insulated Glass, Add	*114.67*	
08 52 16 00-0649	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	756.08	69.99
		For Tempered Clear Insulated Glass, Add	*123.22*	

08 52 16 00-0650 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0651	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	447.32	46.66
		For Tempered Clear Insulated Glass, Add	*71.02*	
08 52 16 00-0652	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	479.74	48.83
		For Tempered Clear Insulated Glass, Add	*76.64*	
08 52 16 00-0653	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	500.92	49.91
		For Tempered Clear Insulated Glass, Add	*80.22*	
08 52 16 00-0654	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	535.46	52.08
		For Tempered Clear Insulated Glass, Add	*86.26*	
08 52 16 00-0655	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	571.37	55.33
		For Tempered Clear Insulated Glass, Add	*92.36*	
08 52 16 00-0656	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	624.96	59.13
		For Tempered Clear Insulated Glass, Add	*101.34*	
08 52 16 00-0657	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	659.78	61.85
		For Tempered Clear Insulated Glass, Add	*107.43*	
08 52 16 00-0658	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	712.28	65.10
		For Tempered Clear Insulated Glass, Add	*116.42*	
08 52 16 00-0659	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	729.57	68.35
		For Tempered Clear Insulated Glass, Add	*118.79*	
08 52 16 00-0660	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	781.50	71.61
		For Tempered Clear Insulated Glass, Add	*127.66*	
08 52 16 00-0661	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,202.97	79.21
		For Tempered Clear Insulated Glass, Add	*209.13*	

08 52 16 00-0662 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0663	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	476.53	48.83
		For Tempered Clear Insulated Glass, Add	*75.99*	
08 52 16 00-0664	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	506.55	50.99
		For Tempered Clear Insulated Glass, Add	*81.13*	
08 52 16 00-0665	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	527.02	52.08
		For Tempered Clear Insulated Glass, Add	*84.57*	
08 52 16 00-0666	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	562.26	54.25
		For Tempered Clear Insulated Glass, Add	*90.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0667	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	598.17	57.51
		For Tempered Clear Insulated Glass, Add	*96.85*	
08 52 16 00-0668	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	653.36	61.30
		For Tempered Clear Insulated Glass, Add	*106.15*	
08 52 16 00-0669	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	688.18	64.01
		For Tempered Clear Insulated Glass, Add	*112.25*	
08 52 16 00-0670	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	740.68	67.27
		For Tempered Clear Insulated Glass, Add	*121.23*	
08 52 16 00-0671	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	756.08	70.53
		For Tempered Clear Insulated Glass, Add	*123.22*	
08 52 16 00-0672	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	806.38	73.78
		For Tempered Clear Insulated Glass, Add	*131.76*	
08 52 16 00-0673	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,265.81	81.38
		For Tempered Clear Insulated Glass, Add	*220.83*	
08 52 16 00-0674		28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*		
08 52 16 00-0675	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	476.07	50.99
		For Tempered Clear Insulated Glass, Add	*75.03*	
08 52 16 00-0676	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	522.12	53.17
		For Tempered Clear Insulated Glass, Add	*83.37*	
08 52 16 00-0677	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	551.76	54.25
		For Tempered Clear Insulated Glass, Add	*88.65*	
08 52 16 00-0678	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	606.70	56.42
		For Tempered Clear Insulated Glass, Add	*98.77*	
08 52 16 00-0679	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	661.86	59.67
		For Tempered Clear Insulated Glass, Add	*108.72*	
08 52 16 00-0680	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	742.72	63.47
		For Tempered Clear Insulated Glass, Add	*123.15*	
08 52 16 00-0681	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	795.18	66.19
		For Tempered Clear Insulated Glass, Add	*132.78*	
08 52 16 00-0682	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	874.95	69.44
		For Tempered Clear Insulated Glass, Add	*147.21*	
08 52 16 00-0683	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	904.54	72.70
		For Tempered Clear Insulated Glass, Add	*152.05*	
08 52 16 00-0684	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	981.83	75.95
		For Tempered Clear Insulated Glass, Add	*165.98*	
08 52 16 00-0685	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,300.20	83.55
		For Tempered Clear Insulated Glass, Add	*226.84*	
08 52 16 00-0686		31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*		
08 52 16 00-0687	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	551.76	54.25
		For Tempered Clear Insulated Glass, Add	*88.65*	
08 52 16 00-0688	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	583.59	55.88
		For Tempered Clear Insulated Glass, Add	*94.37*	
08 52 16 00-0689	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.38	58.05
		For Tempered Clear Insulated Glass, Add	*102.26*	
08 52 16 00-0690	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	676.33	60.76
		For Tempered Clear Insulated Glass, Add	*110.96*	
08 52 16 00-0691	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	747.59	65.10
		For Tempered Clear Insulated Glass, Add	*123.48*	
08 52 16 00-0692	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	796.82	67.27
		For Tempered Clear Insulated Glass, Add	*132.46*	
08 52 16 00-0693	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	867.00	71.61
		For Tempered Clear Insulated Glass, Add	*144.97*	
08 52 16 00-0694	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	915.96	73.78
		For Tempered Clear Insulated Glass, Add	*153.68*	
08 52 16 00-0695	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	987.49	77.58
		For Tempered Clear Insulated Glass, Add	*166.47*	
08 52 16 00-0696	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,386.17	84.63
		For Tempered Clear Insulated Glass, Add	*243.38*	
08 52 16 00-0697		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*		
08 52 16 00-0698	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.38	58.05
		For Tempered Clear Insulated Glass, Add	*102.26*	
08 52 16 00-0699	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	689.68	60.22
		For Tempered Clear Insulated Glass, Add	*113.85*	
08 52 16 00-0700	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	744.83	62.94
		For Tempered Clear Insulated Glass, Add	*123.79*	
08 52 16 00-0701	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	825.70	67.27
		For Tempered Clear Insulated Glass, Add	*138.23*	
08 52 16 00-0702	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	879.76	69.44
		For Tempered Clear Insulated Glass, Add	*148.18*	
08 52 16 00-0703	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	957.94	73.78
		For Tempered Clear Insulated Glass, Add	*162.29*	
08 52 16 00-0704	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	837.71	75.95
		For Tempered Clear Insulated Glass, Add	*137.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0705	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	899.14	79.75
		For Tempered Clear Insulated Glass, Add	*147.93*	

08 52 16 00-0706 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0707	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	735.21	62.94
		For Tempered Clear Insulated Glass, Add	*121.87*	
08 52 16 00-0708	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	827.26	66.19
		For Tempered Clear Insulated Glass, Add	*139.19*	

08 52 16 00-0709 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0710	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	873.82	67.27
		For Tempered Clear Insulated Glass, Add	*147.86*	
08 52 16 00-0711	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	967.47	70.53
		For Tempered Clear Insulated Glass, Add	*165.50*	
08 52 16 00-0712	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,104.47	74.33
		For Tempered Clear Insulated Glass, Add	*191.16*	

08 52 16 00-0713 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0714	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,081.10	73.24
		For Tempered Clear Insulated Glass, Add	*186.92*	
08 52 16 00-0715	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,163.14	75.95
		For Tempered Clear Insulated Glass, Add	*202.25*	

08 52 16 00-0716 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0717	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,181.79	73.78
		For Tempered Clear Insulated Glass, Add	*206.84*	
08 52 16 00-0718	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,222.95	79.75
		For Tempered Clear Insulated Glass, Add	*212.69*	
08 52 16 00-0719	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,353.01	82.46
		For Tempered Clear Insulated Glass, Add	*237.62*	
08 52 16 00-0720	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,486.01	86.81
		For Tempered Clear Insulated Glass, Add	*262.48*	

08 52 16 00-0721 Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0637)*

08 52 16 00-0722 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0723	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	374.31	44.49
		For Tempered Clear Insulated Glass, Add	*57.07*	
08 52 16 00-0724	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	402.71	46.66
		For Tempered Clear Insulated Glass, Add	*61.88*	
08 52 16 00-0725	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	421.47	48.28
		For Tempered Clear Insulated Glass, Add	*64.98*	
08 52 16 00-0726	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	452.01	50.46
		For Tempered Clear Insulated Glass, Add	*70.22*	
08 52 16 00-0727	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	484.70	53.17
		For Tempered Clear Insulated Glass, Add	*75.67*	
08 52 16 00-0728	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	535.09	57.51
		For Tempered Clear Insulated Glass, Add	*84.01*	
08 52 16 00-0729	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	565.10	59.67
		For Tempered Clear Insulated Glass, Add	*89.15*	
08 52 16 00-0730	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	612.79	64.01
		For Tempered Clear Insulated Glass, Add	*97.17*	
08 52 16 00-0731	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	645.49	66.19
		For Tempered Clear Insulated Glass, Add	*102.62*	
08 52 16 00-0732	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	693.18	69.99
		For Tempered Clear Insulated Glass, Add	*110.64*	

08 52 16 00-0733 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0734	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	396.80	46.66
		For Tempered Clear Insulated Glass, Add	*60.92*	
08 52 16 00-0735	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	425.20	48.83
		For Tempered Clear Insulated Glass, Add	*65.73*	
08 52 16 00-0736	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	442.42	49.91
		For Tempered Clear Insulated Glass, Add	*68.52*	
08 52 16 00-0737	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	476.11	52.08
		For Tempered Clear Insulated Glass, Add	*74.39*	
08 52 16 00-0738	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	508.81	55.33
		For Tempered Clear Insulated Glass, Add	*79.84*	
08 52 16 00-0739	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	557.59	59.13
		For Tempered Clear Insulated Glass, Add	*87.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0740	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	589.20	61.85
		For Tempered Clear Insulated Glass, Add	*93.32*	
08 52 16 00-0741	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	635.29	65.10
		For Tempered Clear Insulated Glass, Add	*101.02*	
08 52 16 00-0742	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	669.59	68.35
		For Tempered Clear Insulated Glass, Add	*106.79*	
08 52 16 00-0743	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	715.68	71.61
		For Tempered Clear Insulated Glass, Add	*114.49*	
08 52 16 00-0744		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*		
08 52 16 00-0745	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	422.00	48.83
		For Tempered Clear Insulated Glass, Add	*65.09*	
08 52 16 00-0746	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	450.41	50.99
		For Tempered Clear Insulated Glass, Add	*69.90*	
08 52 16 00-0747	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	465.80	52.08
		For Tempered Clear Insulated Glass, Add	*72.33*	
08 52 16 00-0748	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	499.70	54.25
		For Tempered Clear Insulated Glass, Add	*78.24*	
08 52 16 00-0749	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	532.40	57.51
		For Tempered Clear Insulated Glass, Add	*83.69*	
08 52 16 00-0750	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	581.18	61.30
		For Tempered Clear Insulated Glass, Add	*91.71*	
08 52 16 00-0751	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	612.79	64.01
		For Tempered Clear Insulated Glass, Add	*97.17*	
08 52 16 00-0752	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	660.48	67.27
		For Tempered Clear Insulated Glass, Add	*105.19*	
08 52 16 00-0753	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	693.18	70.53
		For Tempered Clear Insulated Glass, Add	*110.64*	
08 52 16 00-0754	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	740.88	73.78
		For Tempered Clear Insulated Glass, Add	*118.66*	
08 52 16 00-0755		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*		
08 52 16 00-0756	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	424.74	50.99
		For Tempered Clear Insulated Glass, Add	*64.77*	
08 52 16 00-0757	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	462.77	53.17
		For Tempered Clear Insulated Glass, Add	*71.50*	
08 52 16 00-0758	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	483.74	54.25
		For Tempered Clear Insulated Glass, Add	*75.05*	
08 52 16 00-0759	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	504.04	56.42
		For Tempered Clear Insulated Glass, Add	*78.24*	
08 52 16 00-0760	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	575.24	59.67
		For Tempered Clear Insulated Glass, Add	*91.39*	
08 52 16 00-0761	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	640.06	63.47
		For Tempered Clear Insulated Glass, Add	*102.62*	
08 52 16 00-0762	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	682.90	66.19
		For Tempered Clear Insulated Glass, Add	*110.32*	
08 52 16 00-0763	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	746.63	69.44
		For Tempered Clear Insulated Glass, Add	*121.55*	
08 52 16 00-0764	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	792.16	72.70
		For Tempered Clear Insulated Glass, Add	*129.57*	
08 52 16 00-0765	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	855.90	75.95
		For Tempered Clear Insulated Glass, Add	*140.80*	
08 52 16 00-0766		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*		
08 52 16 00-0767	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	483.74	54.25
		For Tempered Clear Insulated Glass, Add	*75.05*	
08 52 16 00-0768	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	510.13	55.88
		For Tempered Clear Insulated Glass, Add	*79.67*	
08 52 16 00-0769	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	545.76	58.05
		For Tempered Clear Insulated Glass, Add	*85.93*	
08 52 16 00-0770	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	586.55	60.76
		For Tempered Clear Insulated Glass, Add	*93.01*	
08 52 16 00-0771	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	645.56	65.10
		For Tempered Clear Insulated Glass, Add	*103.07*	
08 52 16 00-0772	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	685.27	67.27
		For Tempered Clear Insulated Glass, Add	*110.15*	
08 52 16 00-0773	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	743.21	71.61
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0774	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	782.65	73.78
		For Tempered Clear Insulated Glass, Add	*127.02*	
08 52 16 00-0775	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	840.57	77.58
		For Tempered Clear Insulated Glass, Add	*137.08*	
08 52 16 00-0776		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0777	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	545.76	58.05
		For Tempered Clear Insulated Glass, Add	*85.93*	
08 52 16 00-0778	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	598.25	60.22
		For Tempered Clear Insulated Glass, Add	*95.56*	
08 52 16 00-0779	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	642.18	62.94
		For Tempered Clear Insulated Glass, Add	*103.26*	
08 52 16 00-0780	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	708.60	67.27
		For Tempered Clear Insulated Glass, Add	*114.81*	
08 52 16 00-0781	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	751.44	69.44
		For Tempered Clear Insulated Glass, Add	*122.51*	
08 52 16 00-0782	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	815.18	73.78
		For Tempered Clear Insulated Glass, Add	*133.74*	
08 52 16 00-0783	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	859.11	75.95
		For Tempered Clear Insulated Glass, Add	*141.44*	
08 52 16 00-0784	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	922.84	79.75
		For Tempered Clear Insulated Glass, Add	*152.67*	

08 52 16 00-0785 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0636)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0786 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*

08 52 16 00-0787 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0788	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	503.43	44.49
		For Tempered Low-E Insulated Glass, Add	*82.89*	
08 52 16 00-0789	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	539.85	46.66
		For Tempered Low-E Insulated Glass, Add	*89.31*	
08 52 16 00-0790	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	569.75	48.28
		For Tempered Low-E Insulated Glass, Add	*94.64*	
08 52 16 00-0791	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	607.60	50.46
		For Tempered Low-E Insulated Glass, Add	*101.34*	
08 52 16 00-0792	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	651.12	53.17
		For Tempered Low-E Insulated Glass, Add	*108.96*	
08 52 16 00-0793	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	717.95	57.51
		For Tempered Low-E Insulated Glass, Add	*120.59*	
08 52 16 00-0794	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	760.39	59.67
		For Tempered Low-E Insulated Glass, Add	*128.21*	
08 52 16 00-0795	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	822.12	64.01
		For Tempered Low-E Insulated Glass, Add	*139.03*	
08 52 16 00-0796	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	844.70	66.19
		For Tempered Low-E Insulated Glass, Add	*142.46*	
08 52 16 00-0797	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	905.74	69.99
		For Tempered Low-E Insulated Glass, Add	*153.15*	

08 52 16 00-0798 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0799	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	531.73	46.66
		For Tempered Low-E Insulated Glass, Add	*87.90*	
08 52 16 00-0800	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	571.17	48.83
		For Tempered Low-E Insulated Glass, Add	*94.92*	
08 52 16 00-0801	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	596.83	49.91
		For Tempered Low-E Insulated Glass, Add	*99.40*	
08 52 16 00-0802	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	638.92	52.08
		For Tempered Low-E Insulated Glass, Add	*106.95*	
08 52 16 00-0803	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	682.45	55.33
		For Tempered Low-E Insulated Glass, Add	*114.57*	
08 52 16 00-0804	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	747.27	59.13
		For Tempered Low-E Insulated Glass, Add	*125.80*	
08 52 16 00-0805	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	789.71	61.85
		For Tempered Low-E Insulated Glass, Add	*133.42*	
08 52 16 00-0806	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	853.44	65.10
		For Tempered Low-E Insulated Glass, Add	*144.65*	
08 52 16 00-0807	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	873.69	68.35
		For Tempered Low-E Insulated Glass, Add	*147.61*	
08 52 16 00-0808	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	936.71	71.61
		For Tempered Low-E Insulated Glass, Add	*158.70*	
08 52 16 00-0809	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,460.01	79.21
		For Tempered Low-E Insulated Glass, Add	*260.54*	

08 52 16 00-0810 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0811	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	567.16	48.83
		For Tempered Low-E Insulated Glass, Add	*94.12*	
08 52 16 00-0812	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	603.59	50.99
		For Tempered Low-E Insulated Glass, Add	*100.54*	
08 52 16 00-0813	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	628.36	52.08
		For Tempered Low-E Insulated Glass, Add	*104.84*	
08 52 16 00-0814	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	671.33	54.25
		For Tempered Low-E Insulated Glass, Add	*112.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0815	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	714.86	57.51
		For Tempered Low-E Insulated Glass, Add	*120.19*	
08 52 16 00-0816	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	781.69	61.30
		For Tempered Low-E Insulated Glass, Add	*131.82*	
08 52 16 00-0817	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	824.12	64.01
		For Tempered Low-E Insulated Glass, Add	*139.43*	
08 52 16 00-0818	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	887.85	67.27
		For Tempered Low-E Insulated Glass, Add	*150.66*	
08 52 16 00-0819	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	905.74	70.53
		For Tempered Low-E Insulated Glass, Add	*153.15*	
08 52 16 00-0820	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	966.72	73.78
		For Tempered Low-E Insulated Glass, Add	*163.83*	
08 52 16 00-0821	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,537.49	81.38
		For Tempered Low-E Insulated Glass, Add	*275.16*	

08 52 16 00-0822 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0823	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	565.50	50.99
		For Tempered Low-E Insulated Glass, Add	*92.92*	
08 52 16 00-0824	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	621.97	53.17
		For Tempered Low-E Insulated Glass, Add	*103.34*	
08 52 16 00-0825	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	658.21	54.25
		For Tempered Low-E Insulated Glass, Add	*109.94*	
08 52 16 00-0826	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	725.80	56.42
		For Tempered Low-E Insulated Glass, Add	*122.59*	
08 52 16 00-0827	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	793.39	59.67
		For Tempered Low-E Insulated Glass, Add	*135.02*	
08 52 16 00-0828	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	892.29	63.47
		For Tempered Low-E Insulated Glass, Add	*153.07*	
08 52 16 00-0829	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	956.78	66.19
		For Tempered Low-E Insulated Glass, Add	*165.10*	
08 52 16 00-0830	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,054.60	69.44
		For Tempered Low-E Insulated Glass, Add	*183.14*	
08 52 16 00-0831	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,090.23	72.70
		For Tempered Low-E Insulated Glass, Add	*189.18*	
08 52 16 00-0832	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,359.56	75.95
		For Tempered Low-E Insulated Glass, Add	*241.53*	
08 52 16 00-0833	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,579.39	83.55
		For Tempered Low-E Insulated Glass, Add	*282.68*	

08 52 16 00-0834 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0835	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	658.21	54.25
		For Tempered Low-E Insulated Glass, Add	*109.94*	
08 52 16 00-0836	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	697.18	55.88
		For Tempered Low-E Insulated Glass, Add	*117.08*	
08 52 16 00-0837	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	750.84	58.05
		For Tempered Low-E Insulated Glass, Add	*126.95*	
08 52 16 00-0838	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	810.67	60.76
		For Tempered Low-E Insulated Glass, Add	*137.83*	
08 52 16 00-0839	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	897.57	65.10
		For Tempered Low-E Insulated Glass, Add	*153.47*	
08 52 16 00-0840	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	958.03	67.27
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 16 00-0841	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,043.85	71.61
		For Tempered Low-E Insulated Glass, Add	*180.34*	
08 52 16 00-0842	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,103.70	73.78
		For Tempered Low-E Insulated Glass, Add	*191.23*	
08 52 16 00-0843	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,191.21	77.58
		For Tempered Low-E Insulated Glass, Add	*207.21*	
08 52 16 00-0844	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,686.04	84.63
		For Tempered Low-E Insulated Glass, Add	*303.36*	

08 52 16 00-0845 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0846	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	750.84	58.05
		For Tempered Low-E Insulated Glass, Add	*126.95*	
08 52 16 00-0847	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	827.63	60.22
		For Tempered Low-E Insulated Glass, Add	*141.44*	
08 52 16 00-0848	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	895.21	62.94
		For Tempered Low-E Insulated Glass, Add	*153.87*	
08 52 16 00-0849	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	994.12	67.27
		For Tempered Low-E Insulated Glass, Add	*171.92*	
08 52 16 00-0850	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,060.62	69.44
		For Tempered Low-E Insulated Glass, Add	*184.35*	
08 52 16 00-0851	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,156.44	73.78
		For Tempered Low-E Insulated Glass, Add	*201.99*	
08 52 16 00-0852	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,004.79	75.95
		For Tempered Low-E Insulated Glass, Add	*170.58*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0853	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,079.69	79.75
		For Tempered Low-E Insulated Glass, Add	*184.04*	
08 52 16 00-0854		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0855	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	877.75	62.94
		For Tempered Low-E Insulated Glass, Add	*151.46*	
08 52 16 00-0856	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,000.14	67.27
		For Tempered Low-E Insulated Glass, Add	*173.12*	
08 52 16 00-0857		48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0858	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,054.27	67.27
		For Tempered Low-E Insulated Glass, Add	*183.95*	
08 52 16 00-0859	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,169.98	70.53
		For Tempered Low-E Insulated Glass, Add	*206.00*	
08 52 16 00-0860	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,339.06	74.33
		For Tempered Low-E Insulated Glass, Add	*238.08*	
08 52 16 00-0861		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0862	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,310.40	73.24
		For Tempered Low-E Insulated Glass, Add	*232.78*	
08 52 16 00-0863	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,411.59	75.95
		For Tempered Low-E Insulated Glass, Add	*251.94*	
08 52 16 00-0864		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0865	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,435.98	73.78
		For Tempered Low-E Insulated Glass, Add	*257.68*	
08 52 16 00-0866	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,484.45	79.75
		For Tempered Low-E Insulated Glass, Add	*264.99*	
08 52 16 00-0867	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,645.67	82.46
		For Tempered Low-E Insulated Glass, Add	*296.15*	
08 52 16 00-0868	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,809.74	86.81
		For Tempered Low-E Insulated Glass, Add	*327.23*	
08 52 16 00-0869		Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*		
08 52 16 00-0870		17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0871	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	441.27	44.49
		For Tempered Low-E Insulated Glass, Add	*70.46*	
08 52 16 00-0872	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	475.69	46.66
		For Tempered Low-E Insulated Glass, Add	*76.48*	
08 52 16 00-0873	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	498.33	48.28
		For Tempered Low-E Insulated Glass, Add	*80.35*	
08 52 16 00-0874	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	535.42	50.46
		For Tempered Low-E Insulated Glass, Add	*86.90*	
08 52 16 00-0875	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	574.93	53.17
		For Tempered Low-E Insulated Glass, Add	*93.72*	
08 52 16 00-0876	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	635.75	57.51
		For Tempered Low-E Insulated Glass, Add	*104.15*	
08 52 16 00-0877	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	672.17	59.67
		For Tempered Low-E Insulated Glass, Add	*110.56*	
08 52 16 00-0878	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	729.88	64.01
		For Tempered Low-E Insulated Glass, Add	*120.59*	
08 52 16 00-0879	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	769.40	66.19
		For Tempered Low-E Insulated Glass, Add	*127.40*	
08 52 16 00-0880	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	827.12	69.99
		For Tempered Low-E Insulated Glass, Add	*137.43*	
08 52 16 00-0881		20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0882	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	468.58	46.66
		For Tempered Low-E Insulated Glass, Add	*75.27*	
08 52 16 00-0883	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	503.00	48.83
		For Tempered Low-E Insulated Glass, Add	*81.29*	
08 52 16 00-0884	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	523.71	49.91
		For Tempered Low-E Insulated Glass, Add	*84.78*	
08 52 16 00-0885	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	564.74	52.08
		For Tempered Low-E Insulated Glass, Add	*92.12*	
08 52 16 00-0886	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	604.25	55.33
		For Tempered Low-E Insulated Glass, Add	*98.93*	
08 52 16 00-0887	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	663.06	59.13
		For Tempered Low-E Insulated Glass, Add	*108.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0888	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	701.48	61.85
		For Tempered Low-E Insulated Glass, Add	*115.77*	
08 52 16 00-0889	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	757.19	65.10
		For Tempered Low-E Insulated Glass, Add	*125.40*	
08 52 16 00-0890	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	798.72	68.35
		For Tempered Low-E Insulated Glass, Add	*132.62*	
08 52 16 00-0891	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	854.43	71.61
		For Tempered Low-E Insulated Glass, Add	*142.24*	
08 52 16 00-0892		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0893	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	498.99	48.83
		For Tempered Low-E Insulated Glass, Add	*80.49*	
08 52 16 00-0894	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	533.42	50.99
		For Tempered Low-E Insulated Glass, Add	*86.50*	
08 52 16 00-0895	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	551.84	52.08
		For Tempered Low-E Insulated Glass, Add	*89.54*	
08 52 16 00-0896	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	593.14	54.25
		For Tempered Low-E Insulated Glass, Add	*96.93*	
08 52 16 00-0897	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	632.65	57.51
		For Tempered Low-E Insulated Glass, Add	*103.74*	
08 52 16 00-0898	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	691.46	61.30
		For Tempered Low-E Insulated Glass, Add	*113.77*	
08 52 16 00-0899	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	729.88	64.01
		For Tempered Low-E Insulated Glass, Add	*120.59*	
08 52 16 00-0900	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	787.60	67.27
		For Tempered Low-E Insulated Glass, Add	*130.61*	
08 52 16 00-0901	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	827.12	70.53
		For Tempered Low-E Insulated Glass, Add	*137.43*	
08 52 16 00-0902	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	884.84	73.78
		For Tempered Low-E Insulated Glass, Add	*147.45*	
08 52 16 00-0903		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0904	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	501.33	50.99
		For Tempered Low-E Insulated Glass, Add	*80.08*	
08 52 16 00-0905	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	547.78	53.17
		For Tempered Low-E Insulated Glass, Add	*88.51*	
08 52 16 00-0906	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	573.19	54.25
		For Tempered Low-E Insulated Glass, Add	*92.94*	
08 52 16 00-0907	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	597.48	56.42
		For Tempered Low-E Insulated Glass, Add	*96.93*	
08 52 16 00-0908	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	685.11	59.67
		For Tempered Low-E Insulated Glass, Add	*113.37*	
08 52 16 00-0909	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	763.97	63.47
		For Tempered Low-E Insulated Glass, Add	*127.40*	
08 52 16 00-0910	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	816.43	66.19
		For Tempered Low-E Insulated Glass, Add	*137.03*	
08 52 16 00-0911	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	894.20	69.44
		For Tempered Low-E Insulated Glass, Add	*151.06*	
08 52 16 00-0912	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	949.75	72.70
		For Tempered Low-E Insulated Glass, Add	*161.09*	
08 52 16 00-0913	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,027.53	75.95
		For Tempered Low-E Insulated Glass, Add	*175.12*	
08 52 16 00-0914		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0915	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	573.19	54.25
		For Tempered Low-E Insulated Glass, Add	*92.94*	
08 52 16 00-0916	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	605.36	55.88
		For Tempered Low-E Insulated Glass, Add	*98.72*	
08 52 16 00-0917	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	648.81	58.05
		For Tempered Low-E Insulated Glass, Add	*106.54*	
08 52 16 00-0918	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	698.44	60.76
		For Tempered Low-E Insulated Glass, Add	*115.38*	
08 52 16 00-0919	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	770.04	65.10
		For Tempered Low-E Insulated Glass, Add	*127.97*	
08 52 16 00-0920	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	818.59	67.27
		For Tempered Low-E Insulated Glass, Add	*136.81*	
08 52 16 00-0921	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	889.11	71.61
		For Tempered Low-E Insulated Glass, Add	*149.39*	
08 52 16 00-0922	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	937.05	73.78
		For Tempered Low-E Insulated Glass, Add	*157.90*	
08 52 16 00-0923	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,007.56	77.58
		For Tempered Low-E Insulated Glass, Add	*170.48*	
08 52 16 00-0924		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		

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08 52 16 00-0925	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	648.81	58.05
		For Tempered Low-E Insulated Glass, Add	*106.54*	
08 52 16 00-0926	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	713.34	60.22
		For Tempered Low-E Insulated Glass, Add	*118.58*	
08 52 16 00-0927	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	766.89	62.94
		For Tempered Low-E Insulated Glass, Add	*128.21*	
08 52 16 00-0928	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	847.75	67.27
		For Tempered Low-E Insulated Glass, Add	*142.64*	
08 52 16 00-0929	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	900.21	69.44
		For Tempered Low-E Insulated Glass, Add	*152.27*	
08 52 16 00-0930	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	977.99	73.78
		For Tempered Low-E Insulated Glass, Add	*166.30*	
08 52 16 00-0931	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,031.54	75.95
		For Tempered Low-E Insulated Glass, Add	*175.93*	
08 52 16 00-0932	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,109.31	79.75
		For Tempered Low-E Insulated Glass, Add	*189.96*	

08 52 16 00-0933 Horizontal Sliding Wood Clad Windows *(08 52 16)*

Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes

08 52 16 00-0934 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0933)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0935 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*

08 52 16 00-0936	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	525.70	57.51
		For Tempered Clear Insulated Glass, Add	*82.35*	

08 52 16 00-0937 23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*

08 52 16 00-0938	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	483.56	53.17
		For Tempered Clear Insulated Glass, Add	*75.23*	
08 52 16 00-0939	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	565.85	60.76
		For Tempered Clear Insulated Glass, Add	*89.08*	

08 52 16 00-0940 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*

08 52 16 00-0941	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	565.85	60.76
		For Tempered Clear Insulated Glass, Add	*89.08*	
08 52 16 00-0942	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	648.17	67.27
		For Tempered Clear Insulated Glass, Add	*102.94*	
08 52 16 00-0943	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	730.48	73.24
		For Tempered Clear Insulated Glass, Add	*116.80*	
08 52 16 00-0944	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	812.79	79.75
		For Tempered Clear Insulated Glass, Add	*130.66*	

08 52 16 00-0945 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*

08 52 16 00-0946	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	608.01	64.01
		For Tempered Clear Insulated Glass, Add	*96.21*	
08 52 16 00-0947	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	688.34	70.53
		For Tempered Clear Insulated Glass, Add	*109.67*	
08 52 16 00-0948	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	770.64	76.49
		For Tempered Clear Insulated Glass, Add	*123.53*	
08 52 16 00-0949	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	922.24	83.01
		For Tempered Clear Insulated Glass, Add	*151.25*	

08 52 16 00-0950 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*

08 52 16 00-0951	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	648.17	67.27
		For Tempered Clear Insulated Glass, Add	*102.94*	
08 52 16 00-0952	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	730.48	73.78
		For Tempered Clear Insulated Glass, Add	*116.80*	
08 52 16 00-0953	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	812.79	79.75
		For Tempered Clear Insulated Glass, Add	*130.66*	
08 52 16 00-0954	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	895.10	86.26
		For Tempered Clear Insulated Glass, Add	*144.52*	

08 52 16 00-0955 53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*

08 52 16 00-0956	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	770.64	77.04
		For Tempered Clear Insulated Glass, Add	*123.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0957	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	852.95	83.01
		For Tempered Clear Insulated Glass, Add	*137.39*	
08 52 16 00-0958	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	935.26	89.51
		For Tempered Clear Insulated Glass, Add	*151.25*	
08 52 16 00-0959		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0960	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	812.79	80.29
		For Tempered Clear Insulated Glass, Add	*130.66*	
08 52 16 00-0961	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	895.10	86.26
		For Tempered Clear Insulated Glass, Add	*144.52*	
08 52 16 00-0962	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	977.55	92.77
		For Tempered Clear Insulated Glass, Add	*158.40*	
08 52 16 00-0963		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0933)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0964		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0965	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,178.21	53.17
		For Tempered Low-E Insulated Glass, Add	*214.16*	
08 52 16 00-0966	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,403.05	60.76
		For Tempered Low-E Insulated Glass, Add	*256.52*	
08 52 16 00-0967		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0968	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,420.87	60.76
		For Tempered Low-E Insulated Glass, Add	*260.09*	
08 52 16 00-0969	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,647.70	67.27
		For Tempered Low-E Insulated Glass, Add	*302.85*	
08 52 16 00-0970	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,872.54	73.24
		For Tempered Low-E Insulated Glass, Add	*345.21*	
08 52 16 00-0971	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,097.39	79.75
		For Tempered Low-E Insulated Glass, Add	*387.58*	
08 52 16 00-0972		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0973	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,534.29	64.01
		For Tempered Low-E Insulated Glass, Add	*281.47*	
08 52 16 00-0974	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,759.13	70.53
		For Tempered Low-E Insulated Glass, Add	*323.83*	
08 52 16 00-0975	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,985.95	76.49
		For Tempered Low-E Insulated Glass, Add	*366.59*	
08 52 16 00-0976	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,210.80	83.01
		For Tempered Low-E Insulated Glass, Add	*408.96*	
08 52 16 00-0977		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0978	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,647.70	67.27
		For Tempered Low-E Insulated Glass, Add	*302.85*	
08 52 16 00-0979	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,872.54	73.78
		For Tempered Low-E Insulated Glass, Add	*345.21*	
08 52 16 00-0980	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,097.39	79.75
		For Tempered Low-E Insulated Glass, Add	*387.58*	
08 52 16 00-0981	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,324.21	86.26
		For Tempered Low-E Insulated Glass, Add	*430.34*	
08 52 16 00-0982		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0983	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,872.54	73.78
		For Tempered Low-E Insulated Glass, Add	*345.21*	
08 52 16 00-0984	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,097.39	80.29
		For Tempered Low-E Insulated Glass, Add	*387.58*	
08 52 16 00-0985	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,324.21	86.26
		For Tempered Low-E Insulated Glass, Add	*430.34*	
08 52 16 00-0986	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,549.05	92.77
		For Tempered Low-E Insulated Glass, Add	*472.70*	
08 52 16 00-0987		Picture Wood Clad Windows *(08 52 16)*		
		Note: Picture windows are fixed windows.		
08 52 16 00-0988		Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0987)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0989		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0988)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0990		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-0991	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	413.48	43.40
		For Tempered Clear Insulated Glass, Add	*65.33*	
08 52 16 00-0992	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	484.04	47.74
		For Tempered Clear Insulated Glass, Add	*77.71*	
08 52 16 00-0993	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	514.28	49.91
		For Tempered Clear Insulated Glass, Add	*82.89*	
08 52 16 00-0994	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	557.85	54.25
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0995	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	587.73	56.42
		For Tempered Clear Insulated Glass, Add	*94.98*	
08 52 16 00-0996	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	631.30	60.76
		For Tempered Clear Insulated Glass, Add	*102.17*	
08 52 16 00-0997		35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-0998	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	458.76	53.17
		For Tempered Clear Insulated Glass, Add	*70.49*	
08 52 16 00-0999	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	530.77	56.42
		For Tempered Clear Insulated Glass, Add	*83.80*	
08 52 16 00-1000	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	636.89	60.22
		For Tempered Clear Insulated Glass, Add	*103.29*	
08 52 16 00-1001	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	706.19	62.39
		For Tempered Clear Insulated Glass, Add	*116.28*	
08 52 16 00-1002	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	809.62	66.19
		For Tempered Clear Insulated Glass, Add	*135.45*	
08 52 16 00-1003	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	881.63	68.90
		For Tempered Clear Insulated Glass, Add	*148.77*	
08 52 16 00-1004	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,309.86	72.70
		For Tempered Clear Insulated Glass, Add	*232.89*	
08 52 16 00-1005		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-1006	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	530.77	56.42
		For Tempered Clear Insulated Glass, Add	*83.80*	
08 52 16 00-1007	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	602.78	58.60
		For Tempered Clear Insulated Glass, Add	*97.12*	
08 52 16 00-1008	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	708.91	62.94
		For Tempered Clear Insulated Glass, Add	*116.61*	
08 52 16 00-1009	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	778.21	65.10
		For Tempered Clear Insulated Glass, Add	*129.60*	
08 52 16 00-1010	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	881.63	69.44
		For Tempered Clear Insulated Glass, Add	*148.77*	
08 52 16 00-1011	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	953.64	71.61
		For Tempered Clear Insulated Glass, Add	*162.08*	
08 52 16 00-1012	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,057.06	75.95
		For Tempered Clear Insulated Glass, Add	*181.25*	
08 52 16 00-1013		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-1014	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	636.89	60.76
		For Tempered Clear Insulated Glass, Add	*103.29*	
08 52 16 00-1015	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	708.91	62.94
		For Tempered Clear Insulated Glass, Add	*116.61*	
08 52 16 00-1016	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	815.03	67.27
		For Tempered Clear Insulated Glass, Add	*136.10*	
08 52 16 00-1017	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	884.34	69.44
		For Tempered Clear Insulated Glass, Add	*149.09*	
08 52 16 00-1018	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	987.76	73.78
		For Tempered Clear Insulated Glass, Add	*168.26*	
08 52 16 00-1019	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,059.77	75.95
		For Tempered Clear Insulated Glass, Add	*181.57*	
08 52 16 00-1020	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,163.18	80.29
		For Tempered Clear Insulated Glass, Add	*200.74*	
08 52 16 00-1021		52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-1022	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	706.19	62.94
		For Tempered Clear Insulated Glass, Add	*116.28*	
08 52 16 00-1023	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	778.21	65.10
		For Tempered Clear Insulated Glass, Add	*129.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1024	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	884.34	69.44
		For Tempered Clear Insulated Glass, Add	*149.09*	
08 52 16 00-1025	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	953.64	71.61
		For Tempered Clear Insulated Glass, Add	*162.08*	
08 52 16 00-1026	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,057.06	75.95
		For Tempered Clear Insulated Glass, Add	*181.25*	
08 52 16 00-1027	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,129.08	78.12
		For Tempered Clear Insulated Glass, Add	*194.57*	
08 52 16 00-1028	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,328.31	82.46
		For Tempered Clear Insulated Glass, Add	*232.89*	

08 52 16 00-1029 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1030	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	809.62	66.19
		For Tempered Clear Insulated Glass, Add	*135.45*	
08 52 16 00-1031	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	881.63	69.44
		For Tempered Clear Insulated Glass, Add	*148.77*	
08 52 16 00-1032	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	987.76	73.24
		For Tempered Clear Insulated Glass, Add	*168.26*	
08 52 16 00-1033	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,057.06	75.40
		For Tempered Clear Insulated Glass, Add	*181.25*	
08 52 16 00-1034	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,160.47	79.21
		For Tempered Clear Insulated Glass, Add	*200.41*	
08 52 16 00-1035	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,232.49	81.92
		For Tempered Clear Insulated Glass, Add	*213.73*	
08 52 16 00-1036	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,335.90	85.72
		For Tempered Clear Insulated Glass, Add	*232.89*	

08 52 16 00-1037 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1038	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	881.63	69.44
		For Tempered Clear Insulated Glass, Add	*148.77*	
08 52 16 00-1039	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	953.64	71.61
		For Tempered Clear Insulated Glass, Add	*162.08*	
08 52 16 00-1040	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,059.77	75.95
		For Tempered Clear Insulated Glass, Add	*181.57*	
08 52 16 00-1041	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,129.08	78.12
		For Tempered Clear Insulated Glass, Add	*194.57*	
08 52 16 00-1042	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,328.31	82.46
		For Tempered Clear Insulated Glass, Add	*232.89*	

08 52 16 00-1043 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1044	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	985.04	72.70
		For Tempered Clear Insulated Glass, Add	*167.93*	
08 52 16 00-1045	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,057.06	75.95
		For Tempered Clear Insulated Glass, Add	*181.25*	
08 52 16 00-1046	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,163.18	79.75
		For Tempered Clear Insulated Glass, Add	*200.74*	
08 52 16 00-1047	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,232.49	81.92
		For Tempered Clear Insulated Glass, Add	*213.73*	
08 52 16 00-1048	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,335.90	85.72
		For Tempered Clear Insulated Glass, Add	*232.89*	

08 52 16 00-1049 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0988)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-1050 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1051	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	490.10	43.40
		For Tempered Low-E Insulated Glass, Add	*80.66*	
08 52 16 00-1052	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	575.18	47.74
		For Tempered Low-E Insulated Glass, Add	*95.94*	
08 52 16 00-1053	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	611.50	49.91
		For Tempered Low-E Insulated Glass, Add	*102.33*	
08 52 16 00-1054	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	663.50	54.25
		For Tempered Low-E Insulated Glass, Add	*111.22*	
08 52 16 00-1055	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	699.12	56.42
		For Tempered Low-E Insulated Glass, Add	*117.26*	
08 52 16 00-1056	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	751.13	60.76
		For Tempered Low-E Insulated Glass, Add	*126.14*	

08 52 16 00-1057 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

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08 52 16 00-1058	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	541.42	53.17
		For Tempered Low-E Insulated Glass, Add	*87.02*	
08 52 16 00-1059	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	629.06	56.42
		For Tempered Low-E Insulated Glass, Add	*103.46*	
08 52 16 00-1060	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	758.03	60.22
		For Tempered Low-E Insulated Glass, Add	*127.52*	
08 52 16 00-1061	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	842.58	62.39
		For Tempered Low-E Insulated Glass, Add	*143.56*	
08 52 16 00-1062	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	968.48	66.19
		For Tempered Low-E Insulated Glass, Add	*167.22*	
08 52 16 00-1063	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,056.11	68.90
		For Tempered Low-E Insulated Glass, Add	*183.66*	
08 52 16 00-1064	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,583.01	72.70
		For Tempered Low-E Insulated Glass, Add	*287.52*	

08 52 16 00-1065 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1066	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	629.06	56.42
		For Tempered Low-E Insulated Glass, Add	*103.46*	
08 52 16 00-1067	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	716.69	58.60
		For Tempered Low-E Insulated Glass, Add	*119.90*	
08 52 16 00-1068	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	845.67	62.94
		For Tempered Low-E Insulated Glass, Add	*143.96*	
08 52 16 00-1069	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	930.21	65.10
		For Tempered Low-E Insulated Glass, Add	*160.00*	
08 52 16 00-1070	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,056.11	69.44
		For Tempered Low-E Insulated Glass, Add	*183.66*	
08 52 16 00-1071	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,143.74	71.61
		For Tempered Low-E Insulated Glass, Add	*200.10*	
08 52 16 00-1072	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,269.63	75.95
		For Tempered Low-E Insulated Glass, Add	*223.76*	

08 52 16 00-1073 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1074	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	758.03	60.76
		For Tempered Low-E Insulated Glass, Add	*127.52*	
08 52 16 00-1075	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	845.67	62.94
		For Tempered Low-E Insulated Glass, Add	*143.96*	
08 52 16 00-1076	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	974.65	67.27
		For Tempered Low-E Insulated Glass, Add	*168.02*	
08 52 16 00-1077	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,059.20	69.44
		For Tempered Low-E Insulated Glass, Add	*184.06*	
08 52 16 00-1078	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,185.09	73.78
		For Tempered Low-E Insulated Glass, Add	*207.72*	
08 52 16 00-1079	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,272.73	75.95
		For Tempered Low-E Insulated Glass, Add	*224.16*	
08 52 16 00-1080	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,398.62	80.29
		For Tempered Low-E Insulated Glass, Add	*247.82*	

08 52 16 00-1081 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1082	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	842.58	62.94
		For Tempered Low-E Insulated Glass, Add	*143.56*	
08 52 16 00-1083	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	930.21	65.10
		For Tempered Low-E Insulated Glass, Add	*160.00*	
08 52 16 00-1084	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,059.20	69.44
		For Tempered Low-E Insulated Glass, Add	*184.06*	
08 52 16 00-1085	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,143.74	71.61
		For Tempered Low-E Insulated Glass, Add	*200.10*	
08 52 16 00-1086	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,269.63	75.95
		For Tempered Low-E Insulated Glass, Add	*223.76*	
08 52 16 00-1087	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,357.27	78.12
		For Tempered Low-E Insulated Glass, Add	*240.20*	
08 52 16 00-1088	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,601.46	82.46
		For Tempered Low-E Insulated Glass, Add	*287.52*	

08 52 16 00-1089 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1090	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	968.48	66.19
		For Tempered Low-E Insulated Glass, Add	*167.22*	
08 52 16 00-1091	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,056.11	69.44
		For Tempered Low-E Insulated Glass, Add	*183.66*	
08 52 16 00-1092	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,185.09	73.24
		For Tempered Low-E Insulated Glass, Add	*207.72*	
08 52 16 00-1093	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,269.63	75.40
		For Tempered Low-E Insulated Glass, Add	*223.76*	
08 52 16 00-1094	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,395.52	79.21
		For Tempered Low-E Insulated Glass, Add	*247.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1095	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,483.16	81.92
		For Tempered Low-E Insulated Glass, Add	*263.86*	
08 52 16 00-1096	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,609.05	85.72
		For Tempered Low-E Insulated Glass, Add	*287.52*	
08 52 16 00-1097		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*		
08 52 16 00-1098	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,056.11	69.44
		For Tempered Low-E Insulated Glass, Add	*183.66*	
08 52 16 00-1099	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,143.74	71.61
		For Tempered Low-E Insulated Glass, Add	*200.10*	
08 52 16 00-1100	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,272.73	75.95
		For Tempered Low-E Insulated Glass, Add	*224.16*	
08 52 16 00-1101	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,357.27	78.12
		For Tempered Low-E Insulated Glass, Add	*240.20*	
08 52 16 00-1102	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,601.46	82.46
		For Tempered Low-E Insulated Glass, Add	*287.52*	
08 52 16 00-1103		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*		
08 52 16 00-1104	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,182.00	72.70
		For Tempered Low-E Insulated Glass, Add	*207.32*	
08 52 16 00-1105	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,269.63	75.95
		For Tempered Low-E Insulated Glass, Add	*223.76*	
08 52 16 00-1106	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,398.62	79.75
		For Tempered Low-E Insulated Glass, Add	*247.82*	
08 52 16 00-1107	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,483.16	81.92
		For Tempered Low-E Insulated Glass, Add	*263.86*	
08 52 16 00-1108	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,609.05	85.72
		For Tempered Low-E Insulated Glass, Add	*287.52*	
08 52 16 00-1109		Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0987)*		
08 52 16 00-1110		Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1109)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1111		35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1112	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	588.67	67.81
		For Tempered Clear Insulated Glass, Add	*90.61*	
08 52 16 00-1113	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	604.35	69.44
		For Tempered Clear Insulated Glass, Add	*93.09*	
08 52 16 00-1114		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1115	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	604.35	69.44
		For Tempered Clear Insulated Glass, Add	*93.09*	
08 52 16 00-1116	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	733.45	82.46
		For Tempered Clear Insulated Glass, Add	*113.70*	
08 52 16 00-1117		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1118	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	686.37	77.58
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-1119	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	702.06	79.21
		For Tempered Clear Insulated Glass, Add	*108.73*	
08 52 16 00-1120		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1121	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	588.67	68.35
		For Tempered Clear Insulated Glass, Add	*90.61*	
08 52 16 00-1122	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	686.37	77.58
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-1123		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1124	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	604.35	69.44
		For Tempered Clear Insulated Glass, Add	*93.09*	
08 52 16 00-1125	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	702.06	79.21
		For Tempered Clear Insulated Glass, Add	*108.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1126	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	733.45	82.46
		For Tempered Clear Insulated Glass, Add	*113.70*	
08 52 16 00-1127	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	766.60	85.72
		For Tempered Clear Insulated Glass, Add	*119.03*	
08 52 16 00-1128		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1129	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	766.60	85.72
		For Tempered Clear Insulated Glass, Add	*119.03*	
08 52 16 00-1130		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*		
08 52 16 00-1131	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	733.45	82.46
		For Tempered Clear Insulated Glass, Add	*113.70*	
08 52 16 00-1132		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1109)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1133		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1134	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	658.07	50.99
		For Tempered Low-E Insulated Glass, Add	*111.22*	
08 52 16 00-1135	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	919.71	65.10
		For Tempered Low-E Insulated Glass, Add	*158.12*	
08 52 16 00-1136	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	959.59	66.73
		For Tempered Low-E Insulated Glass, Add	*165.23*	
08 52 16 00-1137	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,019.40	69.99
		For Tempered Low-E Insulated Glass, Add	*175.89*	
08 52 16 00-1138	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,059.27	72.70
		For Tempered Low-E Insulated Glass, Add	*182.99*	
08 52 16 00-1139	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,140.78	76.49
		For Tempered Low-E Insulated Glass, Add	*197.56*	
08 52 16 00-1140	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,222.31	81.38
		For Tempered Low-E Insulated Glass, Add	*212.13*	
08 52 16 00-1141		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1142	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	699.72	53.17
		For Tempered Low-E Insulated Glass, Add	*118.68*	
08 52 16 00-1143	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	959.59	67.27
		For Tempered Low-E Insulated Glass, Add	*165.23*	
08 52 16 00-1144	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,001.24	68.90
		For Tempered Low-E Insulated Glass, Add	*172.69*	
08 52 16 00-1145	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,059.27	72.15
		For Tempered Low-E Insulated Glass, Add	*182.99*	
08 52 16 00-1146	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,100.92	74.87
		For Tempered Low-E Insulated Glass, Add	*190.45*	
08 52 16 00-1147	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,182.43	78.67
		For Tempered Low-E Insulated Glass, Add	*205.02*	
08 52 16 00-1148	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,263.96	83.55
		For Tempered Low-E Insulated Glass, Add	*219.59*	
08 52 16 00-1149		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1150	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	739.59	55.33
		For Tempered Low-E Insulated Glass, Add	*125.78*	
08 52 16 00-1151	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,001.24	69.44
		For Tempered Low-E Insulated Glass, Add	*172.69*	
08 52 16 00-1152	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,041.11	71.07
		For Tempered Low-E Insulated Glass, Add	*179.79*	
08 52 16 00-1153	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,100.92	74.33
		For Tempered Low-E Insulated Glass, Add	*190.45*	
08 52 16 00-1154	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,140.78	77.04
		For Tempered Low-E Insulated Glass, Add	*197.56*	
08 52 16 00-1155	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,222.31	80.83
		For Tempered Low-E Insulated Glass, Add	*212.13*	
08 52 16 00-1156	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.61	85.72
		For Tempered Low-E Insulated Glass, Add	*227.05*	
08 52 16 00-1157		60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1158	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	781.25	57.51
		For Tempered Low-E Insulated Glass, Add	*133.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1159	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,041.11	71.61
		For Tempered Low-E Insulated Glass, Add	*179.79*	
08 52 16 00-1160	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,082.76	73.24
		For Tempered Low-E Insulated Glass, Add	*187.26*	
08 52 16 00-1161	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,140.78	76.49
		For Tempered Low-E Insulated Glass, Add	*197.56*	
08 52 16 00-1162	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,182.43	79.21
		For Tempered Low-E Insulated Glass, Add	*205.02*	
08 52 16 00-1163	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,263.96	83.01
		For Tempered Low-E Insulated Glass, Add	*219.59*	
08 52 16 00-1164	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,345.48	87.88
		For Tempered Low-E Insulated Glass, Add	*234.16*	
08 52 16 00-1165		64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1166	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	821.13	59.67
		For Tempered Low-E Insulated Glass, Add	*140.35*	
08 52 16 00-1167	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,082.76	73.78
		For Tempered Low-E Insulated Glass, Add	*187.26*	
08 52 16 00-1168	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,124.41	75.40
		For Tempered Low-E Insulated Glass, Add	*194.72*	
08 52 16 00-1169	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,182.43	78.67
		For Tempered Low-E Insulated Glass, Add	*205.02*	
08 52 16 00-1170	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,222.31	81.38
		For Tempered Low-E Insulated Glass, Add	*212.13*	
08 52 16 00-1171	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.61	85.17
		For Tempered Low-E Insulated Glass, Add	*227.05*	
08 52 16 00-1172	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,387.13	90.06
		For Tempered Low-E Insulated Glass, Add	*241.62*	
08 52 16 00-1173		68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1174	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	862.77	61.85
		For Tempered Low-E Insulated Glass, Add	*147.81*	
08 52 16 00-1175	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,124.41	75.95
		For Tempered Low-E Insulated Glass, Add	*194.72*	
08 52 16 00-1176	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,164.28	77.58
		For Tempered Low-E Insulated Glass, Add	*201.82*	
08 52 16 00-1177	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,222.31	80.83
		For Tempered Low-E Insulated Glass, Add	*212.13*	
08 52 16 00-1178	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,263.96	83.55
		For Tempered Low-E Insulated Glass, Add	*219.59*	
08 52 16 00-1179	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,345.48	87.35
		For Tempered Low-E Insulated Glass, Add	*234.16*	
08 52 16 00-1180	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,427.00	92.22
		For Tempered Low-E Insulated Glass, Add	*248.73*	
08 52 16 00-1181		72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1182	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	902.65	64.01
		For Tempered Low-E Insulated Glass, Add	*154.92*	
08 52 16 00-1183	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,164.28	78.12
		For Tempered Low-E Insulated Glass, Add	*201.82*	
08 52 16 00-1184	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,205.93	79.75
		For Tempered Low-E Insulated Glass, Add	*209.29*	
08 52 16 00-1185	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,263.96	83.01
		For Tempered Low-E Insulated Glass, Add	*219.59*	
08 52 16 00-1186	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.61	85.72
		For Tempered Low-E Insulated Glass, Add	*227.05*	
08 52 16 00-1187	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,387.13	89.51
		For Tempered Low-E Insulated Glass, Add	*241.62*	
08 52 16 00-1188	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,468.65	94.40
		For Tempered Low-E Insulated Glass, Add	*256.19*	
08 52 16 00-1189		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1190	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	944.30	66.19
		For Tempered Low-E Insulated Glass, Add	*162.38*	
08 52 16 00-1191	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,205.93	80.29
		For Tempered Low-E Insulated Glass, Add	*209.29*	
08 52 16 00-1192	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,245.80	81.92
		For Tempered Low-E Insulated Glass, Add	*216.39*	
08 52 16 00-1193	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.61	85.17
		For Tempered Low-E Insulated Glass, Add	*227.05*	
08 52 16 00-1194	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,345.48	87.88
		For Tempered Low-E Insulated Glass, Add	*234.16*	
08 52 16 00-1195	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,427.00	91.69
		For Tempered Low-E Insulated Glass, Add	*248.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,508.53	96.56
		For Tempered Low-E Insulated Glass, Add	*263.30*	
08 52 16 00-1197		Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0987)*		
08 52 16 00-1198		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1197)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1199		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	588.67	67.81
		For Tempered Clear Insulated Glass, Add	*90.61*	
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	604.35	69.44
		For Tempered Clear Insulated Glass, Add	*93.09*	
08 52 16 00-1202		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	604.35	69.44
		For Tempered Clear Insulated Glass, Add	*93.09*	
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	733.45	82.46
		For Tempered Clear Insulated Glass, Add	*113.70*	
08 52 16 00-1205		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	686.37	77.58
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	702.06	79.21
		For Tempered Clear Insulated Glass, Add	*108.73*	
08 52 16 00-1208		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	588.67	68.35
		For Tempered Clear Insulated Glass, Add	*90.61*	
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	686.37	77.58
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-1211		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	604.35	69.44
		For Tempered Clear Insulated Glass, Add	*93.09*	
08 52 16 00-1213	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	702.06	79.21
		For Tempered Clear Insulated Glass, Add	*108.73*	
08 52 16 00-1214	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	733.45	82.46
		For Tempered Clear Insulated Glass, Add	*113.70*	
08 52 16 00-1215	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	766.60	85.72
		For Tempered Clear Insulated Glass, Add	*119.03*	
08 52 16 00-1216		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1217	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	766.60	85.72
		For Tempered Clear Insulated Glass, Add	*119.03*	
08 52 16 00-1218		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1219	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	733.45	82.46
		For Tempered Clear Insulated Glass, Add	*113.70*	
08 52 16 00-1220		Basement Wood Clad Windows *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1221		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1220)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1222	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	311.17	43.40
08 52 16 00-1223	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	328.02	43.40
08 52 16 00-1224	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	342.85	43.40
08 52 16 00-1225		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1226		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1227	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	43.84	
08 52 16 00-1228	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	64.60	
08 52 16 00-1229	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	87.68	
08 52 16 00-1230	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	110.75	
08 52 16 00-1231	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	156.90	
08 52 16 00-1232		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1233	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	70.14	
08 52 16 00-1234	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	103.37	
08 52 16 00-1235	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	140.28	
08 52 16 00-1236	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	177.20	
08 52 16 00-1237	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	251.03	
08 52 16 00-1238		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1239	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	84.17	
08 52 16 00-1240	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	124.04	
08 52 16 00-1241	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	168.34	
08 52 16 00-1242	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	212.64	
08 52 16 00-1243	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	301.24	
08 52 16 00-1244		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1245	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	101.01	
08 52 16 00-1246	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	148.84	
08 52 16 00-1247	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	202.00	
08 52 16 00-1248	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	255.16	
08 52 16 00-1249	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	361.48	
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	43.35	9.72
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	50.18	9.72
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	53.60	9.72
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	60.43	9.72
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	74.09	9.72
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	80.92	9.72
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	87.75	9.72
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	94.58	9.72
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	2.82	0.19
08 53		**Plastic Windows** *(08 50)*		
08 53 13		**Vinyl Windows** *(08 53)*		
08 53 13 00-0001		Single Hung Vinyl Windows *(08 53 13)*		
08 53 13 00-0002		New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003		34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	322.48	49.91
		For Colored Vinyl, Add	*22.27*	
		For Tinted Glass, Add	*26.72*	
		For Low-E Insulated Glass, Add	*55.66*	
		For Obscure Glass, Add	*61.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	339.22	52.08
		For Colored Vinyl, Add	*23.51*	
		For Tinted Glass, Add	*28.21*	
		For Low-E Insulated Glass, Add	*58.77*	
		For Obscure Glass, Add	*64.64*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	346.18	53.17
		For Colored Vinyl, Add	*23.99*	
		For Tinted Glass, Add	*28.78*	
		For Low-E Insulated Glass, Add	*59.96*	
		For Obscure Glass, Add	*65.96*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	353.77	54.25
		For Colored Vinyl, Add	*24.53*	
		For Tinted Glass, Add	*29.43*	
		For Low-E Insulated Glass, Add	*61.32*	
		For Obscure Glass, Add	*67.45*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	373.29	56.42
		For Colored Vinyl, Add	*26.05*	
		For Tinted Glass, Add	*31.25*	
		For Low-E Insulated Glass, Add	*65.11*	
		For Obscure Glass, Add	*71.62*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	404.90	60.76
		For Colored Vinyl, Add	*28.34*	
		For Tinted Glass, Add	*34.01*	
		For Low-E Insulated Glass, Add	*70.85*	
		For Obscure Glass, Add	*77.93*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	329.01	50.99
		For Colored Vinyl, Add	*22.70*	
		For Tinted Glass, Add	*27.24*	
		For Low-E Insulated Glass, Add	*56.76*	
		For Obscure Glass, Add	*62.43*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	345.76	52.08
		For Colored Vinyl, Add	*23.94*	
		For Tinted Glass, Add	*28.73*	
		For Low-E Insulated Glass, Add	*59.86*	
		For Obscure Glass, Add	*65.84*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	352.72	54.25
		For Colored Vinyl, Add	*24.42*	
		For Tinted Glass, Add	*29.31*	
		For Low-E Insulated Glass, Add	*61.06*	
		For Obscure Glass, Add	*67.16*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	360.31	55.33
		For Colored Vinyl, Add	*24.96*	
		For Tinted Glass, Add	*29.96*	
		For Low-E Insulated Glass, Add	*62.41*	
		For Obscure Glass, Add	*68.65*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	379.84	57.51
		For Colored Vinyl, Add	*26.48*	
		For Tinted Glass, Add	*31.78*	
		For Low-E Insulated Glass, Add	*66.21*	
		For Obscure Glass, Add	*72.83*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	411.45	61.85
		For Colored Vinyl, Add	*28.78*	
		For Tinted Glass, Add	*34.53*	
		For Low-E Insulated Glass, Add	*71.94*	
		For Obscure Glass, Add	*79.13*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	335.34	52.08
		For Colored Vinyl, Add	*23.12*	
		For Tinted Glass, Add	*27.74*	
		For Low-E Insulated Glass, Add	*57.80*	
		For Obscure Glass, Add	*63.57*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	352.10	54.25
		For Colored Vinyl, Add	*24.36*	
		For Tinted Glass, Add	*29.23*	
		For Low-E Insulated Glass, Add	*60.90*	
		For Obscure Glass, Add	*66.99*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	359.33	55.33
		For Colored Vinyl, Add	*24.87*	
		For Tinted Glass, Add	*29.84*	
		For Low-E Insulated Glass, Add	*62.17*	
		For Obscure Glass, Add	*68.38*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	366.92	56.42
		For Colored Vinyl, Add	*25.41*	
		For Tinted Glass, Add	*30.49*	
		For Low-E Insulated Glass, Add	*63.52*	
		For Obscure Glass, Add	*69.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	386.75	58.60
		For Colored Vinyl, Add	*26.96*	
		For Tinted Glass, Add	*32.35*	
		For Low-E Insulated Glass, Add	*67.39*	
		For Obscure Glass, Add	*74.13*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	418.78	62.94
		For Colored Vinyl, Add	*29.29*	
		For Tinted Glass, Add	*35.15*	
		For Low-E Insulated Glass, Add	*73.23*	
		For Obscure Glass, Add	*80.55*	
08 53 13 00-0024		44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	354.72	55.33
		For Colored Vinyl, Add	*24.41*	
		For Tinted Glass, Add	*29.29*	
		For Low-E Insulated Glass, Add	*61.01*	
		For Obscure Glass, Add	*67.11*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	371.48	57.51
		For Colored Vinyl, Add	*25.65*	
		For Tinted Glass, Add	*30.78*	
		For Low-E Insulated Glass, Add	*64.12*	
		For Obscure Glass, Add	*70.53*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	379.62	58.60
		For Colored Vinyl, Add	*26.24*	
		For Tinted Glass, Add	*31.49*	
		For Low-E Insulated Glass, Add	*65.61*	
		For Obscure Glass, Add	*72.17*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	387.22	59.67
		For Colored Vinyl, Add	*26.79*	
		For Tinted Glass, Add	*32.14*	
		For Low-E Insulated Glass, Add	*66.97*	
		For Obscure Glass, Add	*73.66*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	407.95	61.85
		For Colored Vinyl, Add	*28.43*	
		For Tinted Glass, Add	*34.11*	
		For Low-E Insulated Glass, Add	*71.06*	
		For Obscure Glass, Add	*78.17*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	441.14	66.19
		For Colored Vinyl, Add	*30.88*	
		For Tinted Glass, Add	*37.05*	
		For Low-E Insulated Glass, Add	*77.19*	
		For Obscure Glass, Add	*84.91*	
08 53 13 00-0031		46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	361.26	56.42
		For Colored Vinyl, Add	*24.84*	
		For Tinted Glass, Add	*29.81*	
		For Low-E Insulated Glass, Add	*62.11*	
		For Obscure Glass, Add	*68.32*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	378.01	58.60
		For Colored Vinyl, Add	*26.08*	
		For Tinted Glass, Add	*31.30*	
		For Low-E Insulated Glass, Add	*65.21*	
		For Obscure Glass, Add	*71.73*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	386.45	59.67
		For Colored Vinyl, Add	*26.71*	
		For Tinted Glass, Add	*32.05*	
		For Low-E Insulated Glass, Add	*66.77*	
		For Obscure Glass, Add	*73.45*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	394.03	60.76
		For Colored Vinyl, Add	*27.25*	
		For Tinted Glass, Add	*32.70*	
		For Low-E Insulated Glass, Add	*68.13*	
		For Obscure Glass, Add	*74.94*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	415.04	62.94
		For Colored Vinyl, Add	*28.92*	
		For Tinted Glass, Add	*34.70*	
		For Low-E Insulated Glass, Add	*72.30*	
		For Obscure Glass, Add	*79.52*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	448.65	67.27
		For Colored Vinyl, Add	*31.41*	
		For Tinted Glass, Add	*37.69*	
		For Low-E Insulated Glass, Add	*78.53*	
		For Obscure Glass, Add	*86.38*	
08 53 13 00-0038		48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	367.88	57.51
		For Colored Vinyl, Add	*25.29*	
		For Tinted Glass, Add	*30.34*	
		For Low-E Insulated Glass, Add	*63.22*	
		For Obscure Glass, Add	*69.54*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	384.63	59.67
		For Colored Vinyl, Add	*26.53*	
		For Tinted Glass, Add	*31.83*	
		For Low-E Insulated Glass, Add	*66.32*	
		For Obscure Glass, Add	*72.95*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	393.33	60.76
		For Colored Vinyl, Add	*27.18*	
		For Tinted Glass, Add	*32.62*	
		For Low-E Insulated Glass, Add	*67.95*	
		For Obscure Glass, Add	*74.75*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	400.93	61.85
		For Colored Vinyl, Add	*27.72*	
		For Tinted Glass, Add	*33.27*	
		For Low-E Insulated Glass, Add	*69.31*	
		For Obscure Glass, Add	*76.24*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	422.26	64.01
		For Colored Vinyl, Add	*29.42*	
		For Tinted Glass, Add	*35.31*	
		For Low-E Insulated Glass, Add	*73.56*	
		For Obscure Glass, Add	*80.91*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	456.24	68.35
		For Colored Vinyl, Add	*31.95*	
		For Tinted Glass, Add	*38.34*	
		For Low-E Insulated Glass, Add	*79.88*	
		For Obscure Glass, Add	*87.87*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	374.20	58.60
		For Colored Vinyl, Add	*25.70*	
		For Tinted Glass, Add	*30.84*	
		For Low-E Insulated Glass, Add	*64.26*	
		For Obscure Glass, Add	*70.68*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	390.95	60.76
		For Colored Vinyl, Add	*26.94*	
		For Tinted Glass, Add	*32.33*	
		For Low-E Insulated Glass, Add	*67.36*	
		For Obscure Glass, Add	*74.09*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	399.98	61.85
		For Colored Vinyl, Add	*27.63*	
		For Tinted Glass, Add	*33.15*	
		For Low-E Insulated Glass, Add	*69.07*	
		For Obscure Glass, Add	*75.98*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	407.56	62.94
		For Colored Vinyl, Add	*28.17*	
		For Tinted Glass, Add	*33.80*	
		For Low-E Insulated Glass, Add	*70.43*	
		For Obscure Glass, Add	*77.47*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.17	65.10
		For Colored Vinyl, Add	*29.90*	
		For Tinted Glass, Add	*35.88*	
		For Low-E Insulated Glass, Add	*74.74*	
		For Obscure Glass, Add	*82.22*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	463.55	69.44
		For Colored Vinyl, Add	*32.47*	
		For Tinted Glass, Add	*38.96*	
		For Low-E Insulated Glass, Add	*81.17*	
		For Obscure Glass, Add	*89.28*	

08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	380.57	59.67
		For Colored Vinyl, Add	*26.12*	
		For Tinted Glass, Add	*31.35*	
		For Low-E Insulated Glass, Add	*65.30*	
		For Obscure Glass, Add	*71.83*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	397.32	61.85
		For Colored Vinyl, Add	*27.36*	
		For Tinted Glass, Add	*32.83*	
		For Low-E Insulated Glass, Add	*68.41*	
		For Obscure Glass, Add	*75.25*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	406.65	62.94
		For Colored Vinyl, Add	*28.08*	
		For Tinted Glass, Add	*33.69*	
		For Low-E Insulated Glass, Add	*70.20*	
		For Obscure Glass, Add	*77.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	414.25	64.01
		For Colored Vinyl, Add	*28.62*	
		For Tinted Glass, Add	*34.35*	
		For Low-E Insulated Glass, Add	*71.55*	
		For Obscure Glass, Add	*78.71*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	436.17	66.19
		For Colored Vinyl, Add	*30.38*	
		For Tinted Glass, Add	*36.45*	
		For Low-E Insulated Glass, Add	*75.95*	
		For Obscure Glass, Add	*83.54*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	470.92	70.53
		For Colored Vinyl, Add	*32.99*	
		For Tinted Glass, Add	*39.58*	
		For Low-E Insulated Glass, Add	*82.47*	
		For Obscure Glass, Add	*90.71*	
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	386.93	60.76
		For Colored Vinyl, Add	*26.54*	
		For Tinted Glass, Add	*31.85*	
		For Low-E Insulated Glass, Add	*66.35*	
		For Obscure Glass, Add	*72.99*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	403.68	62.94
		For Colored Vinyl, Add	*27.78*	
		For Tinted Glass, Add	*33.34*	
		For Low-E Insulated Glass, Add	*69.46*	
		For Obscure Glass, Add	*76.40*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	413.31	64.01
		For Colored Vinyl, Add	*28.53*	
		For Tinted Glass, Add	*34.23*	
		For Low-E Insulated Glass, Add	*71.32*	
		For Obscure Glass, Add	*78.45*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	420.88	65.10
		For Colored Vinyl, Add	*29.07*	
		For Tinted Glass, Add	*34.88*	
		For Low-E Insulated Glass, Add	*72.67*	
		For Obscure Glass, Add	*79.94*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	443.09	67.27
		For Colored Vinyl, Add	*30.86*	
		For Tinted Glass, Add	*37.03*	
		For Low-E Insulated Glass, Add	*77.14*	
		For Obscure Glass, Add	*84.85*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	478.23	71.61
		For Colored Vinyl, Add	*33.50*	
		For Tinted Glass, Add	*40.20*	
		For Low-E Insulated Glass, Add	*83.75*	
		For Obscure Glass, Add	*92.13*	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	406.56	64.01
		For Colored Vinyl, Add	*27.85*	
		For Tinted Glass, Add	*33.42*	
		For Low-E Insulated Glass, Add	*69.63*	
		For Obscure Glass, Add	*76.59*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	423.31	66.19
		For Colored Vinyl, Add	*29.09*	
		For Tinted Glass, Add	*34.91*	
		For Low-E Insulated Glass, Add	*72.73*	
		For Obscure Glass, Add	*80.01*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	433.75	67.27
		For Colored Vinyl, Add	*29.92*	
		For Tinted Glass, Add	*35.91*	
		For Low-E Insulated Glass, Add	*74.80*	
		For Obscure Glass, Add	*82.28*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	441.34	68.35
		For Colored Vinyl, Add	*30.46*	
		For Tinted Glass, Add	*36.56*	
		For Low-E Insulated Glass, Add	*76.16*	
		For Obscure Glass, Add	*83.77*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.46	70.53
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.85*	
		For Obscure Glass, Add	*88.94*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	500.79	74.87
		For Colored Vinyl, Add	*35.11*	
		For Tinted Glass, Add	*42.13*	
		For Low-E Insulated Glass, Add	*87.77*	
		For Obscure Glass, Add	*96.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	412.91	65.10
		For Colored Vinyl, Add	*28.27*	
		For Tinted Glass, Add	*33.93*	
		For Low-E Insulated Glass, Add	*70.68*	
		For Obscure Glass, Add	*77.75*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.66	67.27
		For Colored Vinyl, Add	*29.51*	
		For Tinted Glass, Add	*35.41*	
		For Low-E Insulated Glass, Add	*73.78*	
		For Obscure Glass, Add	*81.16*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	440.47	68.35
		For Colored Vinyl, Add	*30.38*	
		For Tinted Glass, Add	*36.45*	
		For Low-E Insulated Glass, Add	*75.94*	
		For Obscure Glass, Add	*83.53*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	448.06	69.44
		For Colored Vinyl, Add	*30.92*	
		For Tinted Glass, Add	*37.10*	
		For Low-E Insulated Glass, Add	*77.30*	
		For Obscure Glass, Add	*85.02*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.45	71.61
		For Colored Vinyl, Add	*32.82*	
		For Tinted Glass, Add	*39.39*	
		For Low-E Insulated Glass, Add	*82.06*	
		For Obscure Glass, Add	*90.26*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	508.21	75.95
		For Colored Vinyl, Add	*35.63*	
		For Tinted Glass, Add	*42.76*	
		For Low-E Insulated Glass, Add	*89.08*	
		For Obscure Glass, Add	*97.98*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	425.85	67.27
		For Colored Vinyl, Add	*29.13*	
		For Tinted Glass, Add	*34.96*	
		For Low-E Insulated Glass, Add	*72.83*	
		For Obscure Glass, Add	*80.11*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	442.60	69.44
		For Colored Vinyl, Add	*30.37*	
		For Tinted Glass, Add	*36.45*	
		For Low-E Insulated Glass, Add	*75.93*	
		For Obscure Glass, Add	*83.52*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	453.97	70.53
		For Colored Vinyl, Add	*31.29*	
		For Tinted Glass, Add	*37.55*	
		For Low-E Insulated Glass, Add	*78.23*	
		For Obscure Glass, Add	*86.05*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	461.56	71.61
		For Colored Vinyl, Add	*31.83*	
		For Tinted Glass, Add	*38.20*	
		For Low-E Insulated Glass, Add	*79.59*	
		For Obscure Glass, Add	*87.54*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	485.59	73.78
		For Colored Vinyl, Add	*33.80*	
		For Tinted Glass, Add	*40.56*	
		For Low-E Insulated Glass, Add	*84.51*	
		For Obscure Glass, Add	*92.96*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	523.08	78.12
		For Colored Vinyl, Add	*36.68*	
		For Tinted Glass, Add	*44.02*	
		For Low-E Insulated Glass, Add	*91.71*	
		For Obscure Glass, Add	*100.88*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	445.47	70.53
		For Colored Vinyl, Add	*30.44*	
		For Tinted Glass, Add	*36.53*	
		For Low-E Insulated Glass, Add	*76.11*	
		For Obscure Glass, Add	*83.72*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	462.22	72.70
		For Colored Vinyl, Add	*31.68*	
		For Tinted Glass, Add	*38.02*	
		For Low-E Insulated Glass, Add	*79.21*	
		For Obscure Glass, Add	*87.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	473.60	73.78
		For Colored Vinyl, Add	*32.60*	
		For Tinted Glass, Add	*39.12*	
		For Low-E Insulated Glass, Add	*81.51*	
		For Obscure Glass, Add	*89.66*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	481.18	74.87
		For Colored Vinyl, Add	*33.15*	
		For Tinted Glass, Add	*39.77*	
		For Low-E Insulated Glass, Add	*82.86*	
		For Obscure Glass, Add	*91.15*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	505.20	77.04
		For Colored Vinyl, Add	*35.11*	
		For Tinted Glass, Add	*42.14*	
		For Low-E Insulated Glass, Add	*87.78*	
		For Obscure Glass, Add	*96.56*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	542.69	81.38
		For Colored Vinyl, Add	*37.99*	
		For Tinted Glass, Add	*45.59*	
		For Low-E Insulated Glass, Add	*94.99*	
		For Obscure Glass, Add	*104.48*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	471.21	56.96
		For Colored Vinyl, Add	*35.73*	
		For Tinted Glass, Add	*42.87*	
		For Low-E Insulated Glass, Add	*89.32*	
		For Obscure Glass, Add	*98.25*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	516.49	62.39
		For Colored Vinyl, Add	*39.17*	
		For Tinted Glass, Add	*47.01*	
		For Low-E Insulated Glass, Add	*97.93*	
		For Obscure Glass, Add	*107.72*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	558.29	67.81
		For Colored Vinyl, Add	*42.27*	
		For Tinted Glass, Add	*50.72*	
		For Low-E Insulated Glass, Add	*105.67*	
		For Obscure Glass, Add	*116.23*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	587.84	73.24
		For Colored Vinyl, Add	*44.14*	
		For Tinted Glass, Add	*52.96*	
		For Low-E Insulated Glass, Add	*110.34*	
		For Obscure Glass, Add	*121.37*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	618.78	78.67
		For Colored Vinyl, Add	*46.15*	
		For Tinted Glass, Add	*55.38*	
		For Low-E Insulated Glass, Add	*115.37*	
		For Obscure Glass, Add	*126.90*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	671.59	84.09
		For Colored Vinyl, Add	*50.34*	
		For Tinted Glass, Add	*60.41*	
		For Low-E Insulated Glass, Add	*125.85*	
		For Obscure Glass, Add	*138.44*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	5.61	0.70
		For Colored Vinyl, Add	*0.42*	
		For Tinted Glass, Add	*0.50*	
		For Low-E Insulated Glass, Add	*1.05*	
		For Obscure Glass, Add	*1.16*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	456.97	49.91
		For Colored Vinyl, Add	*35.71*	
		For Tinted Glass, Add	*42.86*	
		For Low-E Insulated Glass, Add	*89.29*	
		For Obscure Glass, Add	*98.21*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	473.71	52.08
		For Colored Vinyl, Add	*36.96*	
		For Tinted Glass, Add	*44.35*	
		For Low-E Insulated Glass, Add	*92.39*	
		For Obscure Glass, Add	*101.63*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	481.83	53.17
		For Colored Vinyl, Add	*37.55*	
		For Tinted Glass, Add	*45.06*	
		For Low-E Insulated Glass, Add	*93.88*	
		For Obscure Glass, Add	*103.26*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	489.41	54.25
		For Colored Vinyl, Add	*38.09*	
		For Tinted Glass, Add	*45.71*	
		For Low-E Insulated Glass, Add	*95.23*	
		For Obscure Glass, Add	*104.75*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	507.77	56.42
		For Colored Vinyl, Add	*39.49*	
		For Tinted Glass, Add	*47.39*	
		For Low-E Insulated Glass, Add	*98.73*	
		For Obscure Glass, Add	*108.61*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	537.88	60.76
		For Colored Vinyl, Add	*41.64*	
		For Tinted Glass, Add	*49.96*	
		For Low-E Insulated Glass, Add	*104.09*	
		For Obscure Glass, Add	*114.50*	
08 53 13 00-0111		36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	463.50	50.99
		For Colored Vinyl, Add	*36.15*	
		For Tinted Glass, Add	*43.38*	
		For Low-E Insulated Glass, Add	*90.38*	
		For Obscure Glass, Add	*99.42*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	480.25	53.17
		For Colored Vinyl, Add	*37.39*	
		For Tinted Glass, Add	*44.87*	
		For Low-E Insulated Glass, Add	*93.48*	
		For Obscure Glass, Add	*102.83*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	488.37	54.25
		For Colored Vinyl, Add	*37.99*	
		For Tinted Glass, Add	*45.58*	
		For Low-E Insulated Glass, Add	*94.97*	
		For Obscure Glass, Add	*104.46*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	495.95	55.33
		For Colored Vinyl, Add	*38.53*	
		For Tinted Glass, Add	*46.23*	
		For Low-E Insulated Glass, Add	*96.32*	
		For Obscure Glass, Add	*105.95*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	514.32	57.51
		For Colored Vinyl, Add	*39.93*	
		For Tinted Glass, Add	*47.92*	
		For Low-E Insulated Glass, Add	*99.83*	
		For Obscure Glass, Add	*109.81*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	544.43	61.85
		For Colored Vinyl, Add	*42.07*	
		For Tinted Glass, Add	*50.49*	
		For Low-E Insulated Glass, Add	*105.18*	
		For Obscure Glass, Add	*115.70*	
08 53 13 00-0118		38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	469.41	52.08
		For Colored Vinyl, Add	*36.53*	
		For Tinted Glass, Add	*43.83*	
		For Low-E Insulated Glass, Add	*91.31*	
		For Obscure Glass, Add	*100.44*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	486.16	54.25
		For Colored Vinyl, Add	*37.77*	
		For Tinted Glass, Add	*45.32*	
		For Low-E Insulated Glass, Add	*94.42*	
		For Obscure Glass, Add	*103.86*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	494.52	55.33
		For Colored Vinyl, Add	*38.39*	
		For Tinted Glass, Add	*46.06*	
		For Low-E Insulated Glass, Add	*95.96*	
		For Obscure Glass, Add	*105.56*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	502.11	56.42
		For Colored Vinyl, Add	*38.93*	
		For Tinted Glass, Add	*46.71*	
		For Low-E Insulated Glass, Add	*97.32*	
		For Obscure Glass, Add	*107.05*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	520.82	58.60
		For Colored Vinyl, Add	*40.36*	
		For Tinted Glass, Add	*48.44*	
		For Low-E Insulated Glass, Add	*100.91*	
		For Obscure Glass, Add	*111.00*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	551.28	62.94
		For Colored Vinyl, Add	*42.54*	
		For Tinted Glass, Add	*51.05*	
		For Low-E Insulated Glass, Add	*106.36*	
		For Obscure Glass, Add	*116.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0125		44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	489.52	55.33
		For Colored Vinyl, Add	*37.89*	
		For Tinted Glass, Add	*45.46*	
		For Low-E Insulated Glass, Add	*94.71*	
		For Obscure Glass, Add	*104.18*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	506.28	57.51
		For Colored Vinyl, Add	*39.13*	
		For Tinted Glass, Add	*46.95*	
		For Low-E Insulated Glass, Add	*97.82*	
		For Obscure Glass, Add	*107.60*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	513.20	58.60
		For Colored Vinyl, Add	*39.60*	
		For Tinted Glass, Add	*47.52*	
		For Low-E Insulated Glass, Add	*99.01*	
		For Obscure Glass, Add	*108.91*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	520.80	59.67
		For Colored Vinyl, Add	*40.14*	
		For Tinted Glass, Add	*48.17*	
		For Low-E Insulated Glass, Add	*100.36*	
		For Obscure Glass, Add	*110.40*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	540.27	61.85
		For Colored Vinyl, Add	*41.66*	
		For Tinted Glass, Add	*49.99*	
		For Low-E Insulated Glass, Add	*104.14*	
		For Obscure Glass, Add	*114.56*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	572.48	66.19
		For Colored Vinyl, Add	*44.01*	
		For Tinted Glass, Add	*52.81*	
		For Low-E Insulated Glass, Add	*110.03*	
		For Obscure Glass, Add	*121.03*	
08 53 13 00-0132		46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	495.40	56.42
		For Colored Vinyl, Add	*38.26*	
		For Tinted Glass, Add	*45.91*	
		For Low-E Insulated Glass, Add	*95.64*	
		For Obscure Glass, Add	*105.20*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	512.15	58.60
		For Colored Vinyl, Add	*39.50*	
		For Tinted Glass, Add	*47.40*	
		For Low-E Insulated Glass, Add	*98.74*	
		For Obscure Glass, Add	*108.62*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	519.47	59.67
		For Colored Vinyl, Add	*40.01*	
		For Tinted Glass, Add	*48.01*	
		For Low-E Insulated Glass, Add	*100.03*	
		For Obscure Glass, Add	*110.03*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	527.05	60.76
		For Colored Vinyl, Add	*40.55*	
		For Tinted Glass, Add	*48.66*	
		For Low-E Insulated Glass, Add	*101.38*	
		For Obscure Glass, Add	*111.52*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	546.77	62.94
		For Colored Vinyl, Add	*42.09*	
		For Tinted Glass, Add	*50.51*	
		For Low-E Insulated Glass, Add	*105.23*	
		For Obscure Glass, Add	*115.75*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	580.02	67.27
		For Colored Vinyl, Add	*44.55*	
		For Tinted Glass, Add	*53.46*	
		For Low-E Insulated Glass, Add	*111.37*	
		For Obscure Glass, Add	*122.51*	
08 53 13 00-0139		48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	501.35	57.51
		For Colored Vinyl, Add	*38.63*	
		For Tinted Glass, Add	*46.36*	
		For Low-E Insulated Glass, Add	*96.58*	
		For Obscure Glass, Add	*106.24*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	518.10	59.67
		For Colored Vinyl, Add	*39.87*	
		For Tinted Glass, Add	*47.85*	
		For Low-E Insulated Glass, Add	*99.69*	
		For Obscure Glass, Add	*109.65*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	525.61	60.76
		For Colored Vinyl, Add	*40.41*	
		For Tinted Glass, Add	*48.49*	
		For Low-E Insulated Glass, Add	*101.02*	
		For Obscure Glass, Add	*111.12*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	533.21	61.85
		For Colored Vinyl, Add	*40.95*	
		For Tinted Glass, Add	*49.14*	
		For Low-E Insulated Glass, Add	*102.38*	
		For Obscure Glass, Add	*112.62*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	553.28	64.01
		For Colored Vinyl, Add	*42.52*	
		For Tinted Glass, Add	*51.03*	
		For Low-E Insulated Glass, Add	*106.31*	
		For Obscure Glass, Add	*116.94*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	587.44	68.35
		For Colored Vinyl, Add	*45.07*	
		For Tinted Glass, Add	*54.09*	
		For Low-E Insulated Glass, Add	*112.68*	
		For Obscure Glass, Add	*123.95*	
08 53 13 00-0146		50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	507.22	58.60
		For Colored Vinyl, Add	*39.00*	
		For Tinted Glass, Add	*46.80*	
		For Low-E Insulated Glass, Add	*97.51*	
		For Obscure Glass, Add	*107.26*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	523.97	60.76
		For Colored Vinyl, Add	*40.25*	
		For Tinted Glass, Add	*48.29*	
		For Low-E Insulated Glass, Add	*100.61*	
		For Obscure Glass, Add	*110.67*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	531.85	61.85
		For Colored Vinyl, Add	*40.82*	
		For Tinted Glass, Add	*48.98*	
		For Low-E Insulated Glass, Add	*102.04*	
		For Obscure Glass, Add	*112.24*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	539.43	62.94
		For Colored Vinyl, Add	*41.36*	
		For Tinted Glass, Add	*49.63*	
		For Low-E Insulated Glass, Add	*103.39*	
		For Obscure Glass, Add	*113.73*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	559.78	65.10
		For Colored Vinyl, Add	*42.96*	
		For Tinted Glass, Add	*51.55*	
		For Low-E Insulated Glass, Add	*107.40*	
		For Obscure Glass, Add	*118.13*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	594.96	69.44
		For Colored Vinyl, Add	*45.61*	
		For Tinted Glass, Add	*54.73*	
		For Low-E Insulated Glass, Add	*114.02*	
		For Obscure Glass, Add	*125.42*	
08 53 13 00-0153		52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	513.14	59.67
		For Colored Vinyl, Add	*39.38*	
		For Tinted Glass, Add	*47.25*	
		For Low-E Insulated Glass, Add	*98.45*	
		For Obscure Glass, Add	*108.29*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	529.89	61.85
		For Colored Vinyl, Add	*40.62*	
		For Tinted Glass, Add	*48.74*	
		For Low-E Insulated Glass, Add	*101.55*	
		For Obscure Glass, Add	*111.70*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	537.99	62.94
		For Colored Vinyl, Add	*41.21*	
		For Tinted Glass, Add	*49.46*	
		For Low-E Insulated Glass, Add	*103.03*	
		For Obscure Glass, Add	*113.34*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	545.59	64.01
		For Colored Vinyl, Add	*41.76*	
		For Tinted Glass, Add	*50.11*	
		For Low-E Insulated Glass, Add	*104.39*	
		For Obscure Glass, Add	*114.83*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	566.89	66.19
		For Colored Vinyl, Add	*43.45*	
		For Tinted Glass, Add	*52.14*	
		For Low-E Insulated Glass, Add	*108.63*	
		For Obscure Glass, Add	*119.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	602.34	70.53
		For Colored Vinyl, Add	*46.13*	
		For Tinted Glass, Add	*55.35*	
		For Low-E Insulated Glass, Add	*115.32*	
		For Obscure Glass, Add	*126.85*	
08 53 13 00-0160		54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	519.07	60.76
		For Colored Vinyl, Add	*39.76*	
		For Tinted Glass, Add	*47.71*	
		For Low-E Insulated Glass, Add	*99.39*	
		For Obscure Glass, Add	*109.33*	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	535.83	62.94
		For Colored Vinyl, Add	*41.00*	
		For Tinted Glass, Add	*49.20*	
		For Low-E Insulated Glass, Add	*102.49*	
		For Obscure Glass, Add	*112.74*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	544.26	64.01
		For Colored Vinyl, Add	*41.62*	
		For Tinted Glass, Add	*49.95*	
		For Low-E Insulated Glass, Add	*104.06*	
		For Obscure Glass, Add	*114.46*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	551.84	65.10
		For Colored Vinyl, Add	*42.16*	
		For Tinted Glass, Add	*50.60*	
		For Low-E Insulated Glass, Add	*105.41*	
		For Obscure Glass, Add	*115.95*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	573.98	67.27
		For Colored Vinyl, Add	*43.94*	
		For Tinted Glass, Add	*52.73*	
		For Low-E Insulated Glass, Add	*109.86*	
		For Obscure Glass, Add	*120.85*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	609.75	71.61
		For Colored Vinyl, Add	*46.65*	
		For Tinted Glass, Add	*55.98*	
		For Low-E Insulated Glass, Add	*116.63*	
		For Obscure Glass, Add	*128.30*	
08 53 13 00-0167		60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	536.89	64.01
		For Colored Vinyl, Add	*40.89*	
		For Tinted Glass, Add	*49.06*	
		For Low-E Insulated Glass, Add	*102.21*	
		For Obscure Glass, Add	*112.43*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	553.64	66.19
		For Colored Vinyl, Add	*42.13*	
		For Tinted Glass, Add	*50.55*	
		For Low-E Insulated Glass, Add	*105.32*	
		For Obscure Glass, Add	*115.85*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	564.12	67.27
		For Colored Vinyl, Add	*42.96*	
		For Tinted Glass, Add	*51.55*	
		For Low-E Insulated Glass, Add	*107.40*	
		For Obscure Glass, Add	*118.13*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	571.71	68.35
		For Colored Vinyl, Add	*43.50*	
		For Tinted Glass, Add	*52.20*	
		For Low-E Insulated Glass, Add	*108.75*	
		For Obscure Glass, Add	*119.63*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	595.17	70.53
		For Colored Vinyl, Add	*45.41*	
		For Tinted Glass, Add	*54.49*	
		For Low-E Insulated Glass, Add	*113.53*	
		For Obscure Glass, Add	*124.88*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	632.06	74.87
		For Colored Vinyl, Add	*48.23*	
		For Tinted Glass, Add	*57.88*	
		For Low-E Insulated Glass, Add	*120.58*	
		For Obscure Glass, Add	*132.64*	
08 53 13 00-0174		62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	542.79	65.10
		For Colored Vinyl, Add	*41.26*	
		For Tinted Glass, Add	*49.51*	
		For Low-E Insulated Glass, Add	*103.15*	
		For Obscure Glass, Add	*113.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	559.54	67.27
		For Colored Vinyl, Add	*42.50*	
		For Tinted Glass, Add	*51.00*	
		For Low-E Insulated Glass, Add	*106.25*	
		For Obscure Glass, Add	*116.88*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	570.87	68.35
		For Colored Vinyl, Add	*43.42*	
		For Tinted Glass, Add	*52.10*	
		For Low-E Insulated Glass, Add	*108.54*	
		For Obscure Glass, Add	*119.39*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	578.46	69.44
		For Colored Vinyl, Add	*43.96*	
		For Tinted Glass, Add	*52.75*	
		For Low-E Insulated Glass, Add	*109.90*	
		For Obscure Glass, Add	*120.88*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	602.20	71.61
		For Colored Vinyl, Add	*45.90*	
		For Tinted Glass, Add	*55.08*	
		For Low-E Insulated Glass, Add	*114.75*	
		For Obscure Glass, Add	*126.22*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	640.18	75.95
		For Colored Vinyl, Add	*48.83*	
		For Tinted Glass, Add	*58.59*	
		For Low-E Insulated Glass, Add	*122.07*	
		For Obscure Glass, Add	*134.27*	

08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	555.87	67.27
		For Colored Vinyl, Add	*42.13*	
		For Tinted Glass, Add	*50.56*	
		For Low-E Insulated Glass, Add	*105.33*	
		For Obscure Glass, Add	*115.87*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	572.62	69.44
		For Colored Vinyl, Add	*43.37*	
		For Tinted Glass, Add	*52.05*	
		For Low-E Insulated Glass, Add	*108.44*	
		For Obscure Glass, Add	*119.28*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	584.40	70.53
		For Colored Vinyl, Add	*44.34*	
		For Tinted Glass, Add	*53.20*	
		For Low-E Insulated Glass, Add	*110.84*	
		For Obscure Glass, Add	*121.92*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	591.99	71.61
		For Colored Vinyl, Add	*44.88*	
		For Tinted Glass, Add	*53.85*	
		For Low-E Insulated Glass, Add	*112.19*	
		For Obscure Glass, Add	*123.41*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	616.41	73.78
		For Colored Vinyl, Add	*46.88*	
		For Tinted Glass, Add	*56.26*	
		For Low-E Insulated Glass, Add	*117.21*	
		For Obscure Glass, Add	*128.93*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	655.85	78.12
		For Colored Vinyl, Add	*49.96*	
		For Tinted Glass, Add	*59.95*	
		For Low-E Insulated Glass, Add	*124.90*	
		For Obscure Glass, Add	*137.39*	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	575.49	70.53
		For Colored Vinyl, Add	*43.44*	
		For Tinted Glass, Add	*52.13*	
		For Low-E Insulated Glass, Add	*108.61*	
		For Obscure Glass, Add	*119.47*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	592.24	72.70
		For Colored Vinyl, Add	*44.69*	
		For Tinted Glass, Add	*53.62*	
		For Low-E Insulated Glass, Add	*111.71*	
		For Obscure Glass, Add	*122.88*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	604.03	73.78
		For Colored Vinyl, Add	*45.65*	
		For Tinted Glass, Add	*54.78*	
		For Low-E Insulated Glass, Add	*114.12*	
		For Obscure Glass, Add	*125.53*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	611.61	74.87
		For Colored Vinyl, Add	*46.19*	
		For Tinted Glass, Add	*55.43*	
		For Low-E Insulated Glass, Add	*115.47*	
		For Obscure Glass, Add	*127.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	636.02	77.04
		For Colored Vinyl, Add	*48.20*	
		For Tinted Glass, Add	*57.83*	
		For Low-E Insulated Glass, Add	*120.49*	
		For Obscure Glass, Add	*132.54*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	675.46	81.38
		For Colored Vinyl, Add	*51.27*	
		For Tinted Glass, Add	*61.53*	
		For Low-E Insulated Glass, Add	*128.18*	
		For Obscure Glass, Add	*141.00*	
08 53 13 00-0195		Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	560.53	56.96
		For Colored Vinyl, Add	*44.66*	
		For Tinted Glass, Add	*53.59*	
		For Low-E Insulated Glass, Add	*111.65*	
		For Obscure Glass, Add	*122.82*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	618.04	62.39
		For Colored Vinyl, Add	*49.33*	
		For Tinted Glass, Add	*59.19*	
		For Low-E Insulated Glass, Add	*123.32*	
		For Obscure Glass, Add	*135.65*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	672.08	67.81
		For Colored Vinyl, Add	*53.65*	
		For Tinted Glass, Add	*64.37*	
		For Low-E Insulated Glass, Add	*134.11*	
		For Obscure Glass, Add	*147.52*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	711.42	73.24
		For Colored Vinyl, Add	*56.49*	
		For Tinted Glass, Add	*67.79*	
		For Low-E Insulated Glass, Add	*141.24*	
		For Obscure Glass, Add	*155.36*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	753.37	78.67
		For Colored Vinyl, Add	*59.61*	
		For Tinted Glass, Add	*71.53*	
		For Low-E Insulated Glass, Add	*149.01*	
		For Obscure Glass, Add	*163.91*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	818.42	84.09
		For Colored Vinyl, Add	*65.02*	
		For Tinted Glass, Add	*78.03*	
		For Low-E Insulated Glass, Add	*162.56*	
		For Obscure Glass, Add	*178.82*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	6.83	0.70
		For Colored Vinyl, Add	*0.54*	
		For Tinted Glass, Add	*0.65*	
		For Low-E Insulated Glass, Add	*1.36*	
		For Obscure Glass, Add	*1.49*	
08 53 13 00-0203		Casement Vinyl Windows *(08 53 13)*		
08 53 13 00-0204		New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205		One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0206		24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	417.90	41.23
		For Colored Vinyl, Add	*33.65*	
		For Tinted Glass, Add	*40.38*	
		For Low-E Insulated Glass, Add	*84.13*	
		For Obscure Glass, Add	*92.54*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	432.51	42.32
		For Colored Vinyl, Add	*34.79*	
		For Tinted Glass, Add	*41.75*	
		For Low-E Insulated Glass, Add	*86.97*	
		For Obscure Glass, Add	*95.67*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	448.21	44.49
		For Colored Vinyl, Add	*35.92*	
		For Tinted Glass, Add	*43.11*	
		For Low-E Insulated Glass, Add	*89.81*	
		For Obscure Glass, Add	*98.79*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	476.43	46.66
		For Colored Vinyl, Add	*38.31*	
		For Tinted Glass, Add	*45.97*	
		For Low-E Insulated Glass, Add	*95.78*	
		For Obscure Glass, Add	*105.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0211		**28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)** *(08 53 13 00-0205)*		
08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	443.39	43.40
		For Colored Vinyl, Add	*35.77*	
		For Tinted Glass, Add	*42.92*	
		For Low-E Insulated Glass, Add	*89.42*	
		For Obscure Glass, Add	*98.36*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	459.29	44.49
		For Colored Vinyl, Add	*37.03*	
		For Tinted Glass, Add	*44.44*	
		For Low-E Insulated Glass, Add	*92.58*	
		For Obscure Glass, Add	*101.84*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	476.25	46.66
		For Colored Vinyl, Add	*38.29*	
		For Tinted Glass, Add	*45.95*	
		For Low-E Insulated Glass, Add	*95.74*	
		For Obscure Glass, Add	*105.31*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	506.01	48.83
		For Colored Vinyl, Add	*40.84*	
		For Tinted Glass, Add	*49.00*	
		For Low-E Insulated Glass, Add	*102.09*	
		For Obscure Glass, Add	*112.30*	
08 53 13 00-0216		**36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)** *(08 53 13 00-0205)*		
08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	473.70	46.66
		For Colored Vinyl, Add	*38.04*	
		For Tinted Glass, Add	*45.65*	
		For Low-E Insulated Glass, Add	*95.10*	
		For Obscure Glass, Add	*104.61*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	490.23	48.83
		For Colored Vinyl, Add	*39.37*	
		For Tinted Glass, Add	*47.24*	
		For Low-E Insulated Glass, Add	*98.42*	
		For Obscure Glass, Add	*108.26*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	507.90	50.46
		For Colored Vinyl, Add	*40.70*	
		For Tinted Glass, Add	*48.84*	
		For Low-E Insulated Glass, Add	*101.75*	
		For Obscure Glass, Add	*111.92*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	538.88	52.62
		For Colored Vinyl, Add	*43.36*	
		For Tinted Glass, Add	*52.04*	
		For Low-E Insulated Glass, Add	*108.41*	
		For Obscure Glass, Add	*119.25*	
08 53 13 00-0221		**40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)** *(08 53 13 00-0205)*		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	501.05	49.91
		For Colored Vinyl, Add	*40.23*	
		For Tinted Glass, Add	*48.28*	
		For Low-E Insulated Glass, Add	*100.58*	
		For Obscure Glass, Add	*110.64*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	518.49	50.99
		For Colored Vinyl, Add	*41.65*	
		For Tinted Glass, Add	*49.98*	
		For Low-E Insulated Glass, Add	*104.13*	
		For Obscure Glass, Add	*114.54*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	537.03	53.17
		For Colored Vinyl, Add	*43.07*	
		For Tinted Glass, Add	*51.68*	
		For Low-E Insulated Glass, Add	*107.68*	
		For Obscure Glass, Add	*118.44*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	570.52	55.33
		For Colored Vinyl, Add	*45.99*	
		For Tinted Glass, Add	*55.18*	
		For Low-E Insulated Glass, Add	*114.96*	
		For Obscure Glass, Add	*126.46*	
08 53 13 00-0226		**48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)** *(08 53 13 00-0205)*		
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	531.86	54.25
		For Colored Vinyl, Add	*42.44*	
		For Tinted Glass, Add	*50.93*	
		For Low-E Insulated Glass, Add	*106.11*	
		For Obscure Glass, Add	*116.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	550.07	55.33
		For Colored Vinyl, Add	*43.94*	
		For Tinted Glass, Add	*52.73*	
		For Low-E Insulated Glass, Add	*109.85*	
		For Obscure Glass, Add	*120.84*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	569.42	57.51
		For Colored Vinyl, Add	*45.44*	
		For Tinted Glass, Add	*54.53*	
		For Low-E Insulated Glass, Add	*113.60*	
		For Obscure Glass, Add	*124.96*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	606.24	59.67
		For Colored Vinyl, Add	*48.69*	
		For Tinted Glass, Add	*58.43*	
		For Low-E Insulated Glass, Add	*121.72*	
		For Obscure Glass, Add	*133.89*	
08 53 13 00-0231		52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	558.22	56.42
		For Colored Vinyl, Add	*44.65*	
		For Tinted Glass, Add	*53.58*	
		For Low-E Insulated Glass, Add	*111.62*	
		For Obscure Glass, Add	*122.78*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	577.49	57.51
		For Colored Vinyl, Add	*46.25*	
		For Tinted Glass, Add	*55.50*	
		For Low-E Insulated Glass, Add	*115.62*	
		For Obscure Glass, Add	*127.18*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	597.81	59.67
		For Colored Vinyl, Add	*47.85*	
		For Tinted Glass, Add	*57.41*	
		For Low-E Insulated Glass, Add	*119.61*	
		For Obscure Glass, Add	*131.57*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	635.26	61.85
		For Colored Vinyl, Add	*51.16*	
		For Tinted Glass, Add	*61.39*	
		For Low-E Insulated Glass, Add	*127.89*	
		For Obscure Glass, Add	*140.68*	
08 53 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	587.85	59.67
		For Colored Vinyl, Add	*46.85*	
		For Tinted Glass, Add	*56.22*	
		For Low-E Insulated Glass, Add	*117.12*	
		For Obscure Glass, Add	*128.83*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	608.12	61.85
		For Colored Vinyl, Add	*48.55*	
		For Tinted Glass, Add	*58.26*	
		For Low-E Insulated Glass, Add	*121.38*	
		For Obscure Glass, Add	*133.52*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	629.49	63.47
		For Colored Vinyl, Add	*50.25*	
		For Tinted Glass, Add	*60.30*	
		For Low-E Insulated Glass, Add	*125.64*	
		For Obscure Glass, Add	*138.20*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	667.53	65.65
		For Colored Vinyl, Add	*53.62*	
		For Tinted Glass, Add	*64.35*	
		For Low-E Insulated Glass, Add	*134.06*	
		For Obscure Glass, Add	*147.47*	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	614.76	62.94
		For Colored Vinyl, Add	*49.00*	
		For Tinted Glass, Add	*58.80*	
		For Low-E Insulated Glass, Add	*122.50*	
		For Obscure Glass, Add	*134.75*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	635.58	64.01
		For Colored Vinyl, Add	*50.75*	
		For Tinted Glass, Add	*60.90*	
		For Low-E Insulated Glass, Add	*126.89*	
		For Obscure Glass, Add	*139.57*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	658.34	66.19
		For Colored Vinyl, Add	*52.60*	
		For Tinted Glass, Add	*63.12*	
		For Low-E Insulated Glass, Add	*131.49*	
		For Obscure Glass, Add	*144.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	695.50	68.35
		For Colored Vinyl, Add	*55.88*	
		For Tinted Glass, Add	*67.05*	
		For Low-E Insulated Glass, Add	*139.70*	
		For Obscure Glass, Add	*153.67*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	647.78	66.19
		For Colored Vinyl, Add	*51.54*	
		For Tinted Glass, Add	*61.85*	
		For Low-E Insulated Glass, Add	*128.85*	
		For Obscure Glass, Add	*141.74*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	669.67	68.35
		For Colored Vinyl, Add	*53.40*	
		For Tinted Glass, Add	*64.08*	
		For Low-E Insulated Glass, Add	*133.51*	
		For Obscure Glass, Add	*146.86*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	691.45	69.99
		For Colored Vinyl, Add	*55.15*	
		For Tinted Glass, Add	*66.18*	
		For Low-E Insulated Glass, Add	*137.87*	
		For Obscure Glass, Add	*151.66*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	728.16	72.15
		For Colored Vinyl, Add	*58.39*	
		For Tinted Glass, Add	*70.06*	
		For Low-E Insulated Glass, Add	*145.96*	
		For Obscure Glass, Add	*160.56*	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	841.28	55.33
		For Colored Vinyl, Add	*73.06*	
		For Tinted Glass, Add	*87.67*	
		For Low-E Insulated Glass, Add	*182.65*	
		For Obscure Glass, Add	*200.92*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	871.81	59.67
		For Colored Vinyl, Add	*75.35*	
		For Tinted Glass, Add	*90.42*	
		For Low-E Insulated Glass, Add	*188.39*	
		For Obscure Glass, Add	*207.22*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	903.46	64.01
		For Colored Vinyl, Add	*77.65*	
		For Tinted Glass, Add	*93.18*	
		For Low-E Insulated Glass, Add	*194.13*	
		For Obscure Glass, Add	*213.54*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	939.37	67.81
		For Colored Vinyl, Add	*80.37*	
		For Tinted Glass, Add	*96.45*	
		For Low-E Insulated Glass, Add	*200.94*	
		For Obscure Glass, Add	*221.03*	
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	890.90	58.05
		For Colored Vinyl, Add	*77.48*	
		For Tinted Glass, Add	*92.98*	
		For Low-E Insulated Glass, Add	*193.70*	
		For Obscure Glass, Add	*213.07*	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	923.32	61.85
		For Colored Vinyl, Add	*79.96*	
		For Tinted Glass, Add	*95.95*	
		For Low-E Insulated Glass, Add	*199.91*	
		For Obscure Glass, Add	*219.90*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	956.86	66.19
		For Colored Vinyl, Add	*82.45*	
		For Tinted Glass, Add	*98.94*	
		For Low-E Insulated Glass, Add	*206.12*	
		For Obscure Glass, Add	*226.73*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	991.60	70.53
		For Colored Vinyl, Add	*85.06*	
		For Tinted Glass, Add	*102.07*	
		For Low-E Insulated Glass, Add	*212.64*	
		For Obscure Glass, Add	*233.90*	
08 53 13 00-0262		48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	944.63	62.39
		For Colored Vinyl, Add	*81.99*	
		For Tinted Glass, Add	*98.38*	
		For Low-E Insulated Glass, Add	*204.97*	
		For Obscure Glass, Add	*225.46*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	978.43	66.19
		For Colored Vinyl, Add	*84.61*	
		For Tinted Glass, Add	*101.53*	
		For Low-E Insulated Glass, Add	*211.51*	
		For Obscure Glass, Add	*232.66*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,013.31	70.53
		For Colored Vinyl, Add	*87.23*	
		For Tinted Glass, Add	*104.67*	
		For Low-E Insulated Glass, Add	*218.07*	
		For Obscure Glass, Add	*239.87*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,051.26	74.87
		For Colored Vinyl, Add	*90.15*	
		For Tinted Glass, Add	*108.18*	
		For Low-E Insulated Glass, Add	*225.38*	
		For Obscure Glass, Add	*247.92*	
08 53 13 00-0267		52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	993.93	64.56
		For Colored Vinyl, Add	*86.48*	
		For Tinted Glass, Add	*103.78*	
		For Low-E Insulated Glass, Add	*216.21*	
		For Obscure Glass, Add	*237.83*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,029.53	68.35
		For Colored Vinyl, Add	*89.28*	
		For Tinted Glass, Add	*107.14*	
		For Low-E Insulated Glass, Add	*223.21*	
		For Obscure Glass, Add	*245.53*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,066.21	72.70
		For Colored Vinyl, Add	*92.08*	
		For Tinted Glass, Add	*110.50*	
		For Low-E Insulated Glass, Add	*230.21*	
		For Obscure Glass, Add	*253.23*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,104.78	77.04
		For Colored Vinyl, Add	*95.07*	
		For Tinted Glass, Add	*114.09*	
		For Low-E Insulated Glass, Add	*237.68*	
		For Obscure Glass, Add	*261.45*	
08 53 13 00-0272		60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,046.49	68.35
		For Colored Vinyl, Add	*90.98*	
		For Tinted Glass, Add	*109.17*	
		For Low-E Insulated Glass, Add	*227.45*	
		For Obscure Glass, Add	*250.19*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,083.91	72.70
		For Colored Vinyl, Add	*93.96*	
		For Tinted Glass, Add	*112.75*	
		For Low-E Insulated Glass, Add	*234.90*	
		For Obscure Glass, Add	*258.39*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,122.36	77.04
		For Colored Vinyl, Add	*96.94*	
		For Tinted Glass, Add	*116.33*	
		For Low-E Insulated Glass, Add	*242.35*	
		For Obscure Glass, Add	*266.58*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,161.54	80.83
		For Colored Vinyl, Add	*99.99*	
		For Tinted Glass, Add	*119.98*	
		For Low-E Insulated Glass, Add	*249.97*	
		For Obscure Glass, Add	*274.96*	
08 53 13 00-0277		64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,098.34	71.07
		For Colored Vinyl, Add	*95.62*	
		For Tinted Glass, Add	*114.74*	
		For Low-E Insulated Glass, Add	*239.05*	
		For Obscure Glass, Add	*262.96*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,135.75	74.87
		For Colored Vinyl, Add	*98.60*	
		For Tinted Glass, Add	*118.32*	
		For Low-E Insulated Glass, Add	*246.51*	
		For Obscure Glass, Add	*271.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,174.08	79.21
		For Colored Vinyl, Add	*101.57*	
		For Tinted Glass, Add	*121.88*	
		For Low-E Insulated Glass, Add	*253.92*	
		For Obscure Glass, Add	*279.31*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,213.38	83.55
		For Colored Vinyl, Add	*104.63*	
		For Tinted Glass, Add	*125.55*	
		For Low-E Insulated Glass, Add	*261.57*	
		For Obscure Glass, Add	*287.73*	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,155.36	74.87
		For Colored Vinyl, Add	*100.56*	
		For Tinted Glass, Add	*120.68*	
		For Low-E Insulated Glass, Add	*251.41*	
		For Obscure Glass, Add	*276.55*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,192.77	79.21
		For Colored Vinyl, Add	*103.55*	
		For Tinted Glass, Add	*124.25*	
		For Low-E Insulated Glass, Add	*258.86*	
		For Obscure Glass, Add	*284.75*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,231.28	83.55
		For Colored Vinyl, Add	*106.53*	
		For Tinted Glass, Add	*127.83*	
		For Low-E Insulated Glass, Add	*266.32*	
		For Obscure Glass, Add	*292.95*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,270.45	87.35
		For Colored Vinyl, Add	*109.58*	
		For Tinted Glass, Add	*131.49*	
		For Low-E Insulated Glass, Add	*273.94*	
		For Obscure Glass, Add	*301.33*	

08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,038.21	70.53
		For Colored Vinyl, Add	*89.72*	
		For Tinted Glass, Add	*107.66*	
		For Low-E Insulated Glass, Add	*224.29*	
		For Obscure Glass, Add	*246.72*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,086.86	75.95
		For Colored Vinyl, Add	*93.50*	
		For Tinted Glass, Add	*112.19*	
		For Low-E Insulated Glass, Add	*233.74*	
		For Obscure Glass, Add	*257.11*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,174.23	84.09
		For Colored Vinyl, Add	*100.61*	
		For Tinted Glass, Add	*120.73*	
		For Low-E Insulated Glass, Add	*251.51*	
		For Obscure Glass, Add	*276.66*	

08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,106.67	73.78
		For Colored Vinyl, Add	*96.02*	
		For Tinted Glass, Add	*115.22*	
		For Low-E Insulated Glass, Add	*240.05*	
		For Obscure Glass, Add	*264.05*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,155.68	78.67
		For Colored Vinyl, Add	*99.84*	
		For Tinted Glass, Add	*119.80*	
		For Low-E Insulated Glass, Add	*249.59*	
		For Obscure Glass, Add	*274.55*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,248.17	86.81
		For Colored Vinyl, Add	*107.46*	
		For Tinted Glass, Add	*128.95*	
		For Low-E Insulated Glass, Add	*268.64*	
		For Obscure Glass, Add	*295.51*	

08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,170.45	78.12
		For Colored Vinyl, Add	*101.42*	
		For Tinted Glass, Add	*121.70*	
		For Low-E Insulated Glass, Add	*253.55*	
		For Obscure Glass, Add	*278.91*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,228.70	83.01
		For Colored Vinyl, Add	*106.27*	
		For Tinted Glass, Add	*127.52*	
		For Low-E Insulated Glass, Add	*265.67*	
		For Obscure Glass, Add	*292.24*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,325.55	91.15
		For Colored Vinyl, Add	*114.33*	
		For Tinted Glass, Add	*137.19*	
		For Low-E Insulated Glass, Add	*285.82*	
		For Obscure Glass, Add	*314.40*	

08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,235.65	80.29
		For Colored Vinyl, Add	*107.51*	
		For Tinted Glass, Add	*129.01*	
		For Low-E Insulated Glass, Add	*268.77*	
		For Obscure Glass, Add	*295.64*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,297.64	85.72
		For Colored Vinyl, Add	*112.62*	
		For Tinted Glass, Add	*135.15*	
		For Low-E Insulated Glass, Add	*281.55*	
		For Obscure Glass, Add	*309.71*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,408.69	93.31
		For Colored Vinyl, Add	*122.21*	
		For Tinted Glass, Add	*146.65*	
		For Low-E Insulated Glass, Add	*305.52*	
		For Obscure Glass, Add	*336.07*	

08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,304.07	84.09
		For Colored Vinyl, Add	*113.59*	
		For Tinted Glass, Add	*136.31*	
		For Low-E Insulated Glass, Add	*283.97*	
		For Obscure Glass, Add	*312.37*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,368.72	89.51
		For Colored Vinyl, Add	*118.97*	
		For Tinted Glass, Add	*142.76*	
		For Low-E Insulated Glass, Add	*297.42*	
		For Obscure Glass, Add	*327.16*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,495.08	97.11
		For Colored Vinyl, Add	*130.09*	
		For Tinted Glass, Add	*156.10*	
		For Low-E Insulated Glass, Add	*325.22*	
		For Obscure Glass, Add	*357.74*	

08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,378.22	86.81
		For Colored Vinyl, Add	*120.46*	
		For Tinted Glass, Add	*144.55*	
		For Low-E Insulated Glass, Add	*301.16*	
		For Obscure Glass, Add	*331.27*	
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,442.85	92.22
		For Colored Vinyl, Add	*125.84*	
		For Tinted Glass, Add	*151.01*	
		For Low-E Insulated Glass, Add	*314.60*	
		For Obscure Glass, Add	*346.06*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,569.20	99.83
		For Colored Vinyl, Add	*136.96*	
		For Tinted Glass, Add	*164.35*	
		For Low-E Insulated Glass, Add	*342.39*	
		For Obscure Glass, Add	*376.63*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,454.69	90.60
		For Colored Vinyl, Add	*127.35*	
		For Tinted Glass, Add	*152.82*	
		For Low-E Insulated Glass, Add	*318.37*	
		For Obscure Glass, Add	*350.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,519.31	96.02
		For Colored Vinyl, Add	*132.73*	
		For Tinted Glass, Add	*159.27*	
		For Low-E Insulated Glass, Add	*331.82*	
		For Obscure Glass, Add	*365.00*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,645.67	103.62
		For Colored Vinyl, Add	*143.84*	
		For Tinted Glass, Add	*172.61*	
		For Low-E Insulated Glass, Add	*359.61*	
		For Obscure Glass, Add	*395.57*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	536.90	46.12
		For Colored Vinyl, Add	*44.47*	
		For Tinted Glass, Add	*53.36*	
		For Low-E Insulated Glass, Add	*111.17*	
		For Obscure Glass, Add	*122.29*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	609.64	51.54
		For Colored Vinyl, Add	*50.66*	
		For Tinted Glass, Add	*60.79*	
		For Low-E Insulated Glass, Add	*126.64*	
		For Obscure Glass, Add	*139.30*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	675.37	56.96
		For Colored Vinyl, Add	*56.14*	
		For Tinted Glass, Add	*67.37*	
		For Low-E Insulated Glass, Add	*140.36*	
		For Obscure Glass, Add	*154.40*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	734.11	62.39
		For Colored Vinyl, Add	*60.93*	
		For Tinted Glass, Add	*73.12*	
		For Low-E Insulated Glass, Add	*152.34*	
		For Obscure Glass, Add	*167.57*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	785.87	67.81
		For Colored Vinyl, Add	*65.02*	
		For Tinted Glass, Add	*78.03*	
		For Low-E Insulated Glass, Add	*162.56*	
		For Obscure Glass, Add	*178.82*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	817.35	73.24
		For Colored Vinyl, Add	*67.09*	
		For Tinted Glass, Add	*80.50*	
		For Low-E Insulated Glass, Add	*167.72*	
		For Obscure Glass, Add	*184.49*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	8.05	0.70
		For Colored Vinyl, Add	*0.66*	
		For Tinted Glass, Add	*0.80*	
		For Low-E Insulated Glass, Add	*1.66*	
		For Obscure Glass, Add	*1.83*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	892.29	56.96
		For Colored Vinyl, Add	*77.84*	
		For Tinted Glass, Add	*93.40*	
		For Low-E Insulated Glass, Add	*194.59*	
		For Obscure Glass, Add	*214.05*	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	980.74	62.39
		For Colored Vinyl, Add	*85.60*	
		For Tinted Glass, Add	*102.72*	
		For Low-E Insulated Glass, Add	*213.99*	
		For Obscure Glass, Add	*235.39*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,062.22	67.81
		For Colored Vinyl, Add	*92.66*	
		For Tinted Glass, Add	*111.19*	
		For Low-E Insulated Glass, Add	*231.65*	
		For Obscure Glass, Add	*254.81*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,117.47	73.24
		For Colored Vinyl, Add	*97.10*	
		For Tinted Glass, Add	*116.52*	
		For Low-E Insulated Glass, Add	*242.75*	
		For Obscure Glass, Add	*267.02*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,176.38	78.67
		For Colored Vinyl, Add	*101.91*	
		For Tinted Glass, Add	*122.29*	
		For Low-E Insulated Glass, Add	*254.77*	
		For Obscure Glass, Add	*280.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,237.93	84.09
		For Colored Vinyl, Add	*106.98*	
		For Tinted Glass, Add	*128.37*	
		For Low-E Insulated Glass, Add	*267.44*	
		For Obscure Glass, Add	*294.18*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	10.32	0.70
		For Colored Vinyl, Add	*0.89*	
		For Tinted Glass, Add	*1.07*	
		For Low-E Insulated Glass, Add	*2.23*	
		For Obscure Glass, Add	*2.45*	
08 53 13 00-0333		Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*		
08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	930.57	56.96
		For Colored Vinyl, Add	*81.66*	
		For Tinted Glass, Add	*98.00*	
		For Low-E Insulated Glass, Add	*204.16*	
		For Obscure Glass, Add	*224.58*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,023.22	62.39
		For Colored Vinyl, Add	*89.85*	
		For Tinted Glass, Add	*107.81*	
		For Low-E Insulated Glass, Add	*224.61*	
		For Obscure Glass, Add	*247.07*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,110.99	67.81
		For Colored Vinyl, Add	*97.54*	
		For Tinted Glass, Add	*117.04*	
		For Low-E Insulated Glass, Add	*243.84*	
		For Obscure Glass, Add	*268.22*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,170.43	73.24
		For Colored Vinyl, Add	*102.40*	
		For Tinted Glass, Add	*122.87*	
		For Low-E Insulated Glass, Add	*255.99*	
		For Obscure Glass, Add	*281.59*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,234.06	78.67
		For Colored Vinyl, Add	*107.67*	
		For Tinted Glass, Add	*129.21*	
		For Low-E Insulated Glass, Add	*269.19*	
		For Obscure Glass, Add	*296.10*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,300.85	84.09
		For Colored Vinyl, Add	*113.27*	
		For Tinted Glass, Add	*135.92*	
		For Low-E Insulated Glass, Add	*283.17*	
		For Obscure Glass, Add	*311.48*	
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	10.85	0.70
		For Colored Vinyl, Add	*0.94*	
		For Tinted Glass, Add	*1.13*	
		For Low-E Insulated Glass, Add	*2.36*	
		For Obscure Glass, Add	*2.60*	
08 53 13 00-0341		Awning Vinyl Windows *(08 53 13)*		
08 53 13 00-0342		New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343		Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*		
08 53 13 00-0344		17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	540.54	44.49
		For Colored Vinyl, Add	*45.16*	
		For Tinted Glass, Add	*54.19*	
		For Low-E Insulated Glass, Add	*112.89*	
		For Obscure Glass, Add	*124.18*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	565.85	46.66
		For Colored Vinyl, Add	*47.25*	
		For Tinted Glass, Add	*56.70*	
		For Low-E Insulated Glass, Add	*118.14*	
		For Obscure Glass, Add	*129.95*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	604.92	50.46
		For Colored Vinyl, Add	*50.40*	
		For Tinted Glass, Add	*60.48*	
		For Low-E Insulated Glass, Add	*126.00*	
		For Obscure Glass, Add	*138.60*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	630.12	53.17
		For Colored Vinyl, Add	*52.38*	
		For Tinted Glass, Add	*62.85*	
		For Low-E Insulated Glass, Add	*130.95*	
		For Obscure Glass, Add	*144.04*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	671.46	57.51
		For Colored Vinyl, Add	*55.64*	
		For Tinted Glass, Add	*66.77*	
		For Low-E Insulated Glass, Add	*139.11*	
		For Obscure Glass, Add	*153.02*	
08 53 13 00-0350		20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	570.01	46.66
		For Colored Vinyl, Add	*47.78*	
		For Tinted Glass, Add	*57.33*	
		For Low-E Insulated Glass, Add	*119.45*	
		For Obscure Glass, Add	*131.39*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	595.32	48.83
		For Colored Vinyl, Add	*49.88*	
		For Tinted Glass, Add	*59.85*	
		For Low-E Insulated Glass, Add	*124.69*	
		For Obscure Glass, Add	*137.16*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	637.29	52.08
		For Colored Vinyl, Add	*53.31*	
		For Tinted Glass, Add	*63.98*	
		For Low-E Insulated Glass, Add	*133.28*	
		For Obscure Glass, Add	*146.61*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	662.54	55.33
		For Colored Vinyl, Add	*55.30*	
		For Tinted Glass, Add	*66.35*	
		For Low-E Insulated Glass, Add	*138.24*	
		For Obscure Glass, Add	*152.06*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	706.74	59.13
		For Colored Vinyl, Add	*58.85*	
		For Tinted Glass, Add	*70.62*	
		For Low-E Insulated Glass, Add	*147.12*	
		For Obscure Glass, Add	*161.83*	
08 53 13 00-0356		24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	588.89	48.83
		For Colored Vinyl, Add	*49.23*	
		For Tinted Glass, Add	*59.08*	
		For Low-E Insulated Glass, Add	*123.08*	
		For Obscure Glass, Add	*135.39*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	614.21	50.99
		For Colored Vinyl, Add	*51.33*	
		For Tinted Glass, Add	*61.60*	
		For Low-E Insulated Glass, Add	*128.33*	
		For Obscure Glass, Add	*141.16*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	657.64	54.25
		For Colored Vinyl, Add	*54.91*	
		For Tinted Glass, Add	*65.90*	
		For Low-E Insulated Glass, Add	*137.29*	
		For Obscure Glass, Add	*151.01*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	685.23	57.51
		For Colored Vinyl, Add	*57.13*	
		For Tinted Glass, Add	*68.56*	
		For Low-E Insulated Glass, Add	*142.83*	
		For Obscure Glass, Add	*157.11*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	730.02	61.30
		For Colored Vinyl, Add	*60.74*	
		For Tinted Glass, Add	*72.89*	
		For Low-E Insulated Glass, Add	*151.85*	
		For Obscure Glass, Add	*167.04*	
08 53 13 00-0362		28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*		
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	607.82	50.99
		For Colored Vinyl, Add	*50.69*	
		For Tinted Glass, Add	*60.83*	
		For Low-E Insulated Glass, Add	*126.73*	
		For Obscure Glass, Add	*139.40*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	633.13	53.17
		For Colored Vinyl, Add	*52.79*	
		For Tinted Glass, Add	*63.35*	
		For Low-E Insulated Glass, Add	*131.97*	
		For Obscure Glass, Add	*145.17*	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	678.02	56.42
		For Colored Vinyl, Add	*56.52*	
		For Tinted Glass, Add	*67.82*	
		For Low-E Insulated Glass, Add	*141.30*	
		For Obscure Glass, Add	*155.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	707.79	59.67
		For Colored Vinyl, Add	*58.95*	
		For Tinted Glass, Add	*70.74*	
		For Low-E Insulated Glass, Add	*147.38*	
		For Obscure Glass, Add	*162.12*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	753.31	63.47
		For Colored Vinyl, Add	*62.64*	
		For Tinted Glass, Add	*75.16*	
		For Low-E Insulated Glass, Add	*156.59*	
		For Obscure Glass, Add	*172.25*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	717.64	60.22
		For Colored Vinyl, Add	*59.72*	
		For Tinted Glass, Add	*71.67*	
		For Low-E Insulated Glass, Add	*149.30*	
		For Obscure Glass, Add	*164.23*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	747.43	62.94
		For Colored Vinyl, Add	*62.16*	
		For Tinted Glass, Add	*74.59*	
		For Low-E Insulated Glass, Add	*155.39*	
		For Obscure Glass, Add	*170.93*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	795.86	67.27
		For Colored Vinyl, Add	*66.13*	
		For Tinted Glass, Add	*79.36*	
		For Low-E Insulated Glass, Add	*165.33*	
		For Obscure Glass, Add	*181.86*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	564.69	46.12
		For Colored Vinyl, Add	*47.25*	
		For Tinted Glass, Add	*56.70*	
		For Low-E Insulated Glass, Add	*118.12*	
		For Obscure Glass, Add	*129.93*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	653.69	51.54
		For Colored Vinyl, Add	*55.06*	
		For Tinted Glass, Add	*66.07*	
		For Low-E Insulated Glass, Add	*137.65*	
		For Obscure Glass, Add	*151.42*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	739.17	56.96
		For Colored Vinyl, Add	*62.52*	
		For Tinted Glass, Add	*75.03*	
		For Low-E Insulated Glass, Add	*156.31*	
		For Obscure Glass, Add	*171.94*	
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	821.16	62.39
		For Colored Vinyl, Add	*69.64*	
		For Tinted Glass, Add	*83.57*	
		For Low-E Insulated Glass, Add	*174.10*	
		For Obscure Glass, Add	*191.51*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	899.66	67.81
		For Colored Vinyl, Add	*76.40*	
		For Tinted Glass, Add	*91.68*	
		For Low-E Insulated Glass, Add	*191.01*	
		For Obscure Glass, Add	*210.11*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	940.93	73.24
		For Colored Vinyl, Add	*79.45*	
		For Tinted Glass, Add	*95.33*	
		For Low-E Insulated Glass, Add	*198.61*	
		For Obscure Glass, Add	*218.47*	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	9.28	0.70
		For Colored Vinyl, Add	*0.79*	
		For Tinted Glass, Add	*0.94*	
		For Low-E Insulated Glass, Add	*1.97*	
		For Obscure Glass, Add	*2.16*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	316.30	53.17
		For Colored Vinyl, Add	*21.11*	
		For Tinted Glass, Add	*25.33*	
		For Low-E Insulated Glass, Add	*52.76*	
		For Obscure Glass, Add	*58.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	350.01	59.67
		For Colored Vinyl, Add	*23.17*	
		For Tinted Glass, Add	*27.81*	
		For Low-E Insulated Glass, Add	*57.94*	
		For Obscure Glass, Add	*63.73*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	366.86	62.39
		For Colored Vinyl, Add	*24.21*	
		For Tinted Glass, Add	*29.05*	
		For Low-E Insulated Glass, Add	*60.52*	
		For Obscure Glass, Add	*66.57*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	383.73	65.65
		For Colored Vinyl, Add	*25.24*	
		For Tinted Glass, Add	*30.29*	
		For Low-E Insulated Glass, Add	*63.11*	
		For Obscure Glass, Add	*69.42*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	394.96	68.35
		For Colored Vinyl, Add	*25.93*	
		For Tinted Glass, Add	*31.12*	
		For Low-E Insulated Glass, Add	*64.83*	
		For Obscure Glass, Add	*71.32*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	417.45	72.15
		For Colored Vinyl, Add	*27.31*	
		For Tinted Glass, Add	*32.78*	
		For Low-E Insulated Glass, Add	*68.29*	
		For Obscure Glass, Add	*75.11*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	332.28	55.33
		For Colored Vinyl, Add	*22.27*	
		For Tinted Glass, Add	*26.72*	
		For Low-E Insulated Glass, Add	*55.67*	
		For Obscure Glass, Add	*61.24*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	366.94	61.85
		For Colored Vinyl, Add	*24.43*	
		For Tinted Glass, Add	*29.32*	
		For Low-E Insulated Glass, Add	*61.08*	
		For Obscure Glass, Add	*67.19*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	384.38	64.56
		For Colored Vinyl, Add	*25.53*	
		For Tinted Glass, Add	*30.63*	
		For Low-E Insulated Glass, Add	*63.82*	
		For Obscure Glass, Add	*70.20*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	401.63	67.81
		For Colored Vinyl, Add	*26.60*	
		For Tinted Glass, Add	*31.92*	
		For Low-E Insulated Glass, Add	*66.50*	
		For Obscure Glass, Add	*73.15*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	413.18	70.53
		For Colored Vinyl, Add	*27.32*	
		For Tinted Glass, Add	*32.79*	
		For Low-E Insulated Glass, Add	*68.30*	
		For Obscure Glass, Add	*75.13*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	436.29	74.33
		For Colored Vinyl, Add	*28.76*	
		For Tinted Glass, Add	*34.52*	
		For Low-E Insulated Glass, Add	*71.91*	
		For Obscure Glass, Add	*79.10*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	380.54	61.85
		For Colored Vinyl, Add	*25.79*	
		For Tinted Glass, Add	*30.95*	
		For Low-E Insulated Glass, Add	*64.48*	
		For Obscure Glass, Add	*70.93*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	418.24	68.35
		For Colored Vinyl, Add	*28.26*	
		For Tinted Glass, Add	*33.91*	
		For Low-E Insulated Glass, Add	*70.65*	
		For Obscure Glass, Add	*77.72*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	437.12	71.07
		For Colored Vinyl, Add	*29.50*	
		For Tinted Glass, Add	*35.40*	
		For Low-E Insulated Glass, Add	*73.75*	
		For Obscure Glass, Add	*81.12*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	455.98	74.33
		For Colored Vinyl, Add	*30.73*	
		For Tinted Glass, Add	*36.88*	
		For Low-E Insulated Glass, Add	*76.83*	
		For Obscure Glass, Add	*84.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	468.56	75.95
		For Colored Vinyl, Add	*31.56*	
		For Tinted Glass, Add	*37.87*	
		For Low-E Insulated Glass, Add	*78.90*	
		For Obscure Glass, Add	*86.78*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	493.71	80.83
		For Colored Vinyl, Add	*33.20*	
		For Tinted Glass, Add	*39.84*	
		For Low-E Insulated Glass, Add	*83.01*	
		For Obscure Glass, Add	*91.31*	
08 53 13 00-0403		42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	404.66	65.10
		For Colored Vinyl, Add	*27.56*	
		For Tinted Glass, Add	*33.07*	
		For Low-E Insulated Glass, Add	*68.89*	
		For Obscure Glass, Add	*75.78*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	443.91	71.61
		For Colored Vinyl, Add	*30.18*	
		For Tinted Glass, Add	*36.21*	
		For Low-E Insulated Glass, Add	*75.44*	
		For Obscure Glass, Add	*82.99*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	463.56	74.33
		For Colored Vinyl, Add	*31.49*	
		For Tinted Glass, Add	*37.79*	
		For Low-E Insulated Glass, Add	*78.73*	
		For Obscure Glass, Add	*86.60*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	483.18	77.58
		For Colored Vinyl, Add	*32.80*	
		For Tinted Glass, Add	*39.36*	
		For Low-E Insulated Glass, Add	*82.01*	
		For Obscure Glass, Add	*90.21*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	496.23	80.29
		For Colored Vinyl, Add	*33.67*	
		For Tinted Glass, Add	*40.41*	
		For Low-E Insulated Glass, Add	*84.18*	
		For Obscure Glass, Add	*92.60*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	522.42	84.09
		For Colored Vinyl, Add	*35.42*	
		For Tinted Glass, Add	*42.51*	
		For Low-E Insulated Glass, Add	*88.56*	
		For Obscure Glass, Add	*97.42*	
08 53 13 00-0410		44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	412.71	66.19
		For Colored Vinyl, Add	*28.14*	
		For Tinted Glass, Add	*33.77*	
		For Low-E Insulated Glass, Add	*70.36*	
		For Obscure Glass, Add	*77.39*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	452.47	72.70
		For Colored Vinyl, Add	*30.82*	
		For Tinted Glass, Add	*36.98*	
		For Low-E Insulated Glass, Add	*77.04*	
		For Obscure Glass, Add	*84.74*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	472.34	75.40
		For Colored Vinyl, Add	*32.15*	
		For Tinted Glass, Add	*38.58*	
		For Low-E Insulated Glass, Add	*80.38*	
		For Obscure Glass, Add	*88.42*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	492.23	78.67
		For Colored Vinyl, Add	*33.49*	
		For Tinted Glass, Add	*40.19*	
		For Low-E Insulated Glass, Add	*83.73*	
		For Obscure Glass, Add	*92.10*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	505.49	81.38
		For Colored Vinyl, Add	*34.38*	
		For Tinted Glass, Add	*41.26*	
		For Low-E Insulated Glass, Add	*85.96*	
		For Obscure Glass, Add	*94.55*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	531.97	85.17
		For Colored Vinyl, Add	*36.16*	
		For Tinted Glass, Add	*43.39*	
		For Low-E Insulated Glass, Add	*90.41*	
		For Obscure Glass, Add	*99.45*	
08 53 13 00-0417		46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	420.75	67.27
		For Colored Vinyl, Add	*28.73*	
		For Tinted Glass, Add	*34.47*	
		For Low-E Insulated Glass, Add	*71.82*	
		For Obscure Glass, Add	*79.00*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	461.01	73.78
		For Colored Vinyl, Add	*31.45*	
		For Tinted Glass, Add	*37.74*	
		For Low-E Insulated Glass, Add	*78.63*	
		For Obscure Glass, Add	*86.50*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	481.14	76.49
		For Colored Vinyl, Add	*32.82*	
		For Tinted Glass, Add	*39.38*	
		For Low-E Insulated Glass, Add	*82.04*	
		For Obscure Glass, Add	*90.24*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	501.26	79.75
		For Colored Vinyl, Add	*34.18*	
		For Tinted Glass, Add	*41.01*	
		For Low-E Insulated Glass, Add	*85.44*	
		For Obscure Glass, Add	*93.98*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	514.69	82.46
		For Colored Vinyl, Add	*35.09*	
		For Tinted Glass, Add	*42.10*	
		For Low-E Insulated Glass, Add	*87.71*	
		For Obscure Glass, Add	*96.48*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	541.55	86.26
		For Colored Vinyl, Add	*36.90*	
		For Tinted Glass, Add	*44.28*	
		For Low-E Insulated Glass, Add	*92.26*	
		For Obscure Glass, Add	*101.48*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	428.80	68.35
		For Colored Vinyl, Add	*29.32*	
		For Tinted Glass, Add	*35.18*	
		For Low-E Insulated Glass, Add	*73.29*	
		For Obscure Glass, Add	*80.62*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	469.57	74.87
		For Colored Vinyl, Add	*32.09*	
		For Tinted Glass, Add	*38.51*	
		For Low-E Insulated Glass, Add	*80.23*	
		For Obscure Glass, Add	*88.25*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	489.96	77.58
		For Colored Vinyl, Add	*33.48*	
		For Tinted Glass, Add	*40.18*	
		For Low-E Insulated Glass, Add	*83.70*	
		For Obscure Glass, Add	*92.07*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	510.32	80.83
		For Colored Vinyl, Add	*34.87*	
		For Tinted Glass, Add	*41.84*	
		For Low-E Insulated Glass, Add	*87.16*	
		For Obscure Glass, Add	*95.88*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	523.92	83.55
		For Colored Vinyl, Add	*35.79*	
		For Tinted Glass, Add	*42.95*	
		For Low-E Insulated Glass, Add	*89.48*	
		For Obscure Glass, Add	*98.43*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	551.13	87.35
		For Colored Vinyl, Add	*37.64*	
		For Tinted Glass, Add	*45.17*	
		For Low-E Insulated Glass, Add	*94.11*	
		For Obscure Glass, Add	*103.52*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	436.84	69.44
		For Colored Vinyl, Add	*29.90*	
		For Tinted Glass, Add	*35.88*	
		For Low-E Insulated Glass, Add	*74.76*	
		For Obscure Glass, Add	*82.24*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	478.11	75.95
		For Colored Vinyl, Add	*32.73*	
		For Tinted Glass, Add	*39.27*	
		For Low-E Insulated Glass, Add	*81.82*	
		For Obscure Glass, Add	*90.00*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	498.73	78.67
		For Colored Vinyl, Add	*34.14*	
		For Tinted Glass, Add	*40.97*	
		For Low-E Insulated Glass, Add	*85.35*	
		For Obscure Glass, Add	*93.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	519.37	81.92
		For Colored Vinyl, Add	*35.55*	
		For Tinted Glass, Add	*42.66*	
		For Low-E Insulated Glass, Add	*88.88*	
		For Obscure Glass, Add	*97.77*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	533.15	84.63
		For Colored Vinyl, Add	*36.50*	
		For Tinted Glass, Add	*43.80*	
		For Low-E Insulated Glass, Add	*91.24*	
		For Obscure Glass, Add	*100.37*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	560.68	88.43
		For Colored Vinyl, Add	*38.38*	
		For Tinted Glass, Add	*46.06*	
		For Low-E Insulated Glass, Add	*95.96*	
		For Obscure Glass, Add	*105.55*	
08 53 13 00-0438		52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	444.88	70.53
		For Colored Vinyl, Add	*30.49*	
		For Tinted Glass, Add	*36.59*	
		For Low-E Insulated Glass, Add	*76.23*	
		For Obscure Glass, Add	*83.85*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	486.66	77.04
		For Colored Vinyl, Add	*33.37*	
		For Tinted Glass, Add	*40.04*	
		For Low-E Insulated Glass, Add	*83.42*	
		For Obscure Glass, Add	*91.76*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	507.55	79.75
		For Colored Vinyl, Add	*34.81*	
		For Tinted Glass, Add	*41.77*	
		For Low-E Insulated Glass, Add	*87.01*	
		For Obscure Glass, Add	*95.71*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	528.47	83.01
		For Colored Vinyl, Add	*36.25*	
		For Tinted Glass, Add	*43.50*	
		For Low-E Insulated Glass, Add	*90.62*	
		For Obscure Glass, Add	*99.68*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	542.38	85.72
		For Colored Vinyl, Add	*37.20*	
		For Tinted Glass, Add	*44.64*	
		For Low-E Insulated Glass, Add	*93.01*	
		For Obscure Glass, Add	*102.31*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	570.26	89.51
		For Colored Vinyl, Add	*39.12*	
		For Tinted Glass, Add	*46.95*	
		For Low-E Insulated Glass, Add	*97.81*	
		For Obscure Glass, Add	*107.59*	
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	452.93	71.61
		For Colored Vinyl, Add	*31.08*	
		For Tinted Glass, Add	*37.29*	
		For Low-E Insulated Glass, Add	*77.70*	
		For Obscure Glass, Add	*85.47*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	495.21	78.12
		For Colored Vinyl, Add	*34.01*	
		For Tinted Glass, Add	*40.81*	
		For Low-E Insulated Glass, Add	*85.01*	
		For Obscure Glass, Add	*93.51*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	516.37	80.83
		For Colored Vinyl, Add	*35.47*	
		For Tinted Glass, Add	*42.56*	
		For Low-E Insulated Glass, Add	*88.68*	
		For Obscure Glass, Add	*97.54*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	537.52	84.09
		For Colored Vinyl, Add	*36.93*	
		For Tinted Glass, Add	*44.32*	
		For Low-E Insulated Glass, Add	*92.34*	
		For Obscure Glass, Add	*101.57*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	551.62	86.81
		For Colored Vinyl, Add	*37.91*	
		For Tinted Glass, Add	*45.49*	
		For Low-E Insulated Glass, Add	*94.78*	
		For Obscure Glass, Add	*104.25*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	579.80	90.60
		For Colored Vinyl, Add	*39.86*	
		For Tinted Glass, Add	*47.83*	
		For Low-E Insulated Glass, Add	*99.65*	
		For Obscure Glass, Add	*109.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	492.54	74.87
		For Colored Vinyl, Add	*34.39*	
		For Tinted Glass, Add	*41.27*	
		For Low-E Insulated Glass, Add	*85.97*	
		For Obscure Glass, Add	*94.57*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	520.87	81.38
		For Colored Vinyl, Add	*35.92*	
		For Tinted Glass, Add	*43.10*	
		For Low-E Insulated Glass, Add	*89.80*	
		For Obscure Glass, Add	*98.78*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	542.80	84.09
		For Colored Vinyl, Add	*37.46*	
		For Tinted Glass, Add	*44.95*	
		For Low-E Insulated Glass, Add	*93.66*	
		For Obscure Glass, Add	*103.02*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	564.69	87.35
		For Colored Vinyl, Add	*39.00*	
		For Tinted Glass, Add	*46.80*	
		For Low-E Insulated Glass, Add	*97.50*	
		For Obscure Glass, Add	*107.25*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	579.31	90.06
		For Colored Vinyl, Add	*40.03*	
		For Tinted Glass, Add	*48.03*	
		For Low-E Insulated Glass, Add	*100.07*	
		For Obscure Glass, Add	*110.08*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	608.51	93.85
		For Colored Vinyl, Add	*42.08*	
		For Tinted Glass, Add	*50.50*	
		For Low-E Insulated Glass, Add	*105.20*	
		For Obscure Glass, Add	*115.72*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	509.49	56.96
		For Colored Vinyl, Add	*39.56*	
		For Tinted Glass, Add	*47.47*	
		For Low-E Insulated Glass, Add	*98.89*	
		For Obscure Glass, Add	*108.78*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	560.01	62.39
		For Colored Vinyl, Add	*43.52*	
		For Tinted Glass, Add	*52.23*	
		For Low-E Insulated Glass, Add	*108.81*	
		For Obscure Glass, Add	*119.69*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	607.05	67.81
		For Colored Vinyl, Add	*47.14*	
		For Tinted Glass, Add	*56.57*	
		For Low-E Insulated Glass, Add	*117.86*	
		For Obscure Glass, Add	*129.64*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	640.80	73.24
		For Colored Vinyl, Add	*49.43*	
		For Tinted Glass, Add	*59.32*	
		For Low-E Insulated Glass, Add	*123.58*	
		For Obscure Glass, Add	*135.94*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	676.46	78.67
		For Colored Vinyl, Add	*51.91*	
		For Tinted Glass, Add	*62.30*	
		For Low-E Insulated Glass, Add	*129.79*	
		For Obscure Glass, Add	*142.76*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	734.52	84.09
		For Colored Vinyl, Add	*56.63*	
		For Tinted Glass, Add	*67.96*	
		For Low-E Insulated Glass, Add	*141.59*	
		For Obscure Glass, Add	*155.74*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	6.13	0.70
		For Colored Vinyl, Add	*0.47*	
		For Tinted Glass, Add	*0.57*	
		For Low-E Insulated Glass, Add	*1.18*	
		For Obscure Glass, Add	*1.30*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	296.56	43.40
		For Colored Vinyl, Add	*20.98*	
		For Tinted Glass, Add	*25.17*	
		For Low-E Insulated Glass, Add	*52.44*	
		For Obscure Glass, Add	*57.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	321.04	43.40
		For Colored Vinyl, Add	*23.42*	
		For Tinted Glass, Add	*28.11*	
		For Low-E Insulated Glass, Add	*58.56*	
		For Obscure Glass, Add	*64.41*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	335.02	43.40
		For Colored Vinyl, Add	*24.82*	
		For Tinted Glass, Add	*29.79*	
		For Low-E Insulated Glass, Add	*62.05*	
		For Obscure Glass, Add	*68.26*	
08 53 13 00-0472		Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	381.78	42.32
		For Colored Vinyl, Add	*29.72*	
		For Tinted Glass, Add	*35.66*	
		For Low-E Insulated Glass, Add	*74.29*	
		For Obscure Glass, Add	*81.72*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	424.52	48.83
		For Colored Vinyl, Add	*32.69*	
		For Tinted Glass, Add	*39.22*	
		For Low-E Insulated Glass, Add	*81.72*	
		For Obscure Glass, Add	*89.89*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	7.35	0.70
		For Colored Vinyl, Add	*0.59*	
		For Tinted Glass, Add	*0.71*	
		For Low-E Insulated Glass, Add	*1.49*	
		For Obscure Glass, Add	*1.63*	
08 53 13 00-0476		Accessories For Vinyl Windows *(08 53 13)*		
08 53 13 00-0477		Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*		
08 53 13 00-0478		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*		
08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	48.94	
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	62.93	
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	81.04	
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	95.66	
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.59	
08 53 13 00-0484		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*		
08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	111.23	
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	133.48	
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	168.44	
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	209.75	
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	251.07	
08 53 66		**Vinyl Window Screens** *(08 53)*		
08 53 66 00-0001		Insect Screens For Vinyl Windows *(08 53 66)*		
08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	51.22	9.72
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	70.29	9.72
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	76.65	9.72
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	89.36	9.72
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	117.96	9.72
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	130.67	9.72
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	149.74	9.72
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	162.45	9.72
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	4.93	0.19
08 54		**Composite Windows** *(08 50)*		
08 54 13		**Fiberglass Windows** *(08 54)*		
08 54 13 00-0001		Single Hung Fiberglass Windows *(08 54 13)*		
08 54 13 00-0002		New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0001)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0003		34" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0004	EA	24" x 34", New Construction, Single Hung Fiberglass Window	928.95	49.91
		For Colored Vinyl, Add	*82.91*	
		For Tinted Glass, Add	*99.49*	
		For Low-E Insulated Glass, Add	*207.28*	
		For Obscure Glass, Add	*228.01*	
08 54 13 00-0005	EA	28" x 34", New Construction, Single Hung Fiberglass Window	979.45	52.08
		For Colored Vinyl, Add	*87.53*	
		For Tinted Glass, Add	*105.03*	
		For Low-E Insulated Glass, Add	*218.82*	
		For Obscure Glass, Add	*240.70*	
08 54 13 00-0006	EA	30" x 34", New Construction, Single Hung Fiberglass Window	999.48	53.17
		For Colored Vinyl, Add	*89.32*	
		For Tinted Glass, Add	*107.18*	
		For Low-E Insulated Glass, Add	*223.29*	
		For Obscure Glass, Add	*245.62*	
08 54 13 00-0007	EA	32" x 34", New Construction, Single Hung Fiberglass Window	1,021.80	54.25
		For Colored Vinyl, Add	*91.33*	
		For Tinted Glass, Add	*109.60*	
		For Low-E Insulated Glass, Add	*228.33*	
		For Obscure Glass, Add	*251.16*	
08 54 13 00-0008	EA	36" x 34", New Construction, Single Hung Fiberglass Window	1,082.67	56.42
		For Colored Vinyl, Add	*96.98*	
		For Tinted Glass, Add	*116.38*	
		For Low-E Insulated Glass, Add	*242.46*	
		For Obscure Glass, Add	*266.70*	
08 54 13 00-0009	EA	44" x 34", New Construction, Single Hung Fiberglass Window	1,176.77	60.76
		For Colored Vinyl, Add	*105.53*	
		For Tinted Glass, Add	*126.63*	
		For Low-E Insulated Glass, Add	*263.81*	
		For Obscure Glass, Add	*290.19*	

08 54 13 00-0010 36" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0011	EA	24" x 36", New Construction, Single Hung Fiberglass Window	947.35	50.99
		For Colored Vinyl, Add	*84.54*	
		For Tinted Glass, Add	*101.44*	
		For Low-E Insulated Glass, Add	*211.34*	
		For Obscure Glass, Add	*232.47*	
08 54 13 00-0012	EA	28" x 36", New Construction, Single Hung Fiberglass Window	997.92	52.08
		For Colored Vinyl, Add	*89.16*	
		For Tinted Glass, Add	*106.99*	
		For Low-E Insulated Glass, Add	*222.90*	
		For Obscure Glass, Add	*245.19*	
08 54 13 00-0013	EA	30" x 36", New Construction, Single Hung Fiberglass Window	1,017.95	54.25
		For Colored Vinyl, Add	*90.95*	
		For Tinted Glass, Add	*109.13*	
		For Low-E Insulated Glass, Add	*227.36*	
		For Obscure Glass, Add	*250.10*	
08 54 13 00-0014	EA	32" x 36", New Construction, Single Hung Fiberglass Window	1,040.27	55.33
		For Colored Vinyl, Add	*92.96*	
		For Tinted Glass, Add	*111.55*	
		For Low-E Insulated Glass, Add	*232.40*	
		For Obscure Glass, Add	*255.64*	
08 54 13 00-0015	EA	36" x 36", New Construction, Single Hung Fiberglass Window	1,101.08	57.51
		For Colored Vinyl, Add	*98.61*	
		For Tinted Glass, Add	*118.33*	
		For Low-E Insulated Glass, Add	*246.52*	
		For Obscure Glass, Add	*271.17*	
08 54 13 00-0016	EA	44" x 36", New Construction, Single Hung Fiberglass Window	1,195.18	61.85
		For Colored Vinyl, Add	*107.15*	
		For Tinted Glass, Add	*128.58*	
		For Low-E Insulated Glass, Add	*267.87*	
		For Obscure Glass, Add	*294.66*	

08 54 13 00-0017 38" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0018	EA	24" x 38", New Construction, Single Hung Fiberglass Window	965.04	52.08
		For Colored Vinyl, Add	*86.09*	
		For Tinted Glass, Add	*103.31*	
		For Low-E Insulated Glass, Add	*215.22*	
		For Obscure Glass, Add	*236.74*	
08 54 13 00-0019	EA	28" x 38", New Construction, Single Hung Fiberglass Window	1,015.60	54.25
		For Colored Vinyl, Add	*90.71*	
		For Tinted Glass, Add	*108.85*	
		For Low-E Insulated Glass, Add	*226.78*	
		For Obscure Glass, Add	*249.45*	
08 54 13 00-0020	EA	30" x 38", New Construction, Single Hung Fiberglass Window	1,036.62	55.33
		For Colored Vinyl, Add	*92.60*	
		For Tinted Glass, Add	*111.11*	
		For Low-E Insulated Glass, Add	*231.49*	
		For Obscure Glass, Add	*254.64*	
08 54 13 00-0021	EA	32" x 38", New Construction, Single Hung Fiberglass Window	1,059.00	56.42
		For Colored Vinyl, Add	*94.62*	
		For Tinted Glass, Add	*113.54*	
		For Low-E Insulated Glass, Add	*236.54*	
		For Obscure Glass, Add	*260.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0022	EA	36" x 38", New Construction, Single Hung Fiberglass Window	1,120.98	58.60
		For Colored Vinyl, Add	*100.38*	
		For Tinted Glass, Add	*120.46*	
		For Low-E Insulated Glass, Add	*250.95*	
		For Obscure Glass, Add	*276.05*	
08 54 13 00-0023	EA	44" x 38", New Construction, Single Hung Fiberglass Window	1,216.64	62.94
		For Colored Vinyl, Add	*109.08*	
		For Tinted Glass, Add	*130.89*	
		For Low-E Insulated Glass, Add	*272.70*	
		For Obscure Glass, Add	*299.96*	
08 54 13 00-0024		**44" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0025	EA	24" x 44", New Construction, Single Hung Fiberglass Window	1,019.47	55.33
		For Colored Vinyl, Add	*90.88*	
		For Tinted Glass, Add	*109.06*	
		For Low-E Insulated Glass, Add	*227.20*	
		For Obscure Glass, Add	*249.92*	
08 54 13 00-0026	EA	28" x 44", New Construction, Single Hung Fiberglass Window	1,069.98	57.51
		For Colored Vinyl, Add	*95.50*	
		For Tinted Glass, Add	*114.60*	
		For Low-E Insulated Glass, Add	*238.74*	
		For Obscure Glass, Add	*262.61*	
08 54 13 00-0027	EA	30" x 44", New Construction, Single Hung Fiberglass Window	1,094.44	58.60
		For Colored Vinyl, Add	*97.73*	
		For Tinted Glass, Add	*117.27*	
		For Low-E Insulated Glass, Add	*244.32*	
		For Obscure Glass, Add	*268.75*	
08 54 13 00-0028	EA	32" x 44", New Construction, Single Hung Fiberglass Window	1,116.77	59.67
		For Colored Vinyl, Add	*99.74*	
		For Tinted Glass, Add	*119.69*	
		For Low-E Insulated Glass, Add	*249.35*	
		For Obscure Glass, Add	*274.29*	
08 54 13 00-0029	EA	36" x 44", New Construction, Single Hung Fiberglass Window	1,182.21	61.85
		For Colored Vinyl, Add	*105.85*	
		For Tinted Glass, Add	*127.02*	
		For Low-E Insulated Glass, Add	*264.63*	
		For Obscure Glass, Add	*291.09*	
08 54 13 00-0030	EA	44" x 44", New Construction, Single Hung Fiberglass Window	1,282.10	66.19
		For Colored Vinyl, Add	*114.97*	
		For Tinted Glass, Add	*137.97*	
		For Low-E Insulated Glass, Add	*287.43*	
		For Obscure Glass, Add	*316.17*	
08 54 13 00-0031		**46" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0032	EA	24" x 46", New Construction, Single Hung Fiberglass Window	1,037.88	56.42
		For Colored Vinyl, Add	*92.50*	
		For Tinted Glass, Add	*111.00*	
		For Low-E Insulated Glass, Add	*231.26*	
		For Obscure Glass, Add	*254.39*	
08 54 13 00-0033	EA	28" x 46", New Construction, Single Hung Fiberglass Window	1,088.44	58.60
		For Colored Vinyl, Add	*97.13*	
		For Tinted Glass, Add	*116.55*	
		For Low-E Insulated Glass, Add	*242.82*	
		For Obscure Glass, Add	*267.10*	
08 54 13 00-0034	EA	30" x 46", New Construction, Single Hung Fiberglass Window	1,113.90	59.67
		For Colored Vinyl, Add	*99.45*	
		For Tinted Glass, Add	*119.34*	
		For Low-E Insulated Glass, Add	*248.64*	
		For Obscure Glass, Add	*273.50*	
08 54 13 00-0035	EA	32" x 46", New Construction, Single Hung Fiberglass Window	1,136.27	60.76
		For Colored Vinyl, Add	*101.48*	
		For Tinted Glass, Add	*121.77*	
		For Low-E Insulated Glass, Add	*253.69*	
		For Obscure Glass, Add	*279.06*	
08 54 13 00-0036	EA	36" x 46", New Construction, Single Hung Fiberglass Window	1,202.69	62.94
		For Colored Vinyl, Add	*107.68*	
		For Tinted Glass, Add	*129.22*	
		For Low-E Insulated Glass, Add	*269.21*	
		For Obscure Glass, Add	*296.13*	
08 54 13 00-0037	EA	44" x 46", New Construction, Single Hung Fiberglass Window	1,304.22	67.27
		For Colored Vinyl, Add	*116.97*	
		For Tinted Glass, Add	*140.36*	
		For Low-E Insulated Glass, Add	*292.42*	
		For Obscure Glass, Add	*321.66*	
08 54 13 00-0038		**48" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0039	EA	24" x 48", New Construction, Single Hung Fiberglass Window	1,056.62	57.51
		For Colored Vinyl, Add	*94.16*	
		For Tinted Glass, Add	*112.99*	
		For Low-E Insulated Glass, Add	*235.40*	
		For Obscure Glass, Add	*258.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0040	EA	28" x 48", New Construction, Single Hung Fiberglass Window	1,107.12	59.67
		For Colored Vinyl, Add	*98.78*	
		For Tinted Glass, Add	*118.53*	
		For Low-E Insulated Glass, Add	*246.94*	
		For Obscure Glass, Add	*271.63*	
08 54 13 00-0041	EA	30" x 48", New Construction, Single Hung Fiberglass Window	1,133.67	60.76
		For Colored Vinyl, Add	*101.22*	
		For Tinted Glass, Add	*121.46*	
		For Low-E Insulated Glass, Add	*253.04*	
		For Obscure Glass, Add	*278.34*	
08 54 13 00-0042	EA	32" x 48", New Construction, Single Hung Fiberglass Window	1,155.99	61.85
		For Colored Vinyl, Add	*103.23*	
		For Tinted Glass, Add	*123.87*	
		For Low-E Insulated Glass, Add	*258.07*	
		For Obscure Glass, Add	*283.88*	
08 54 13 00-0043	EA	36" x 48", New Construction, Single Hung Fiberglass Window	1,223.65	64.01
		For Colored Vinyl, Add	*109.56*	
		For Tinted Glass, Add	*131.47*	
		For Low-E Insulated Glass, Add	*273.90*	
		For Obscure Glass, Add	*301.29*	
08 54 13 00-0044	EA	44" x 48", New Construction, Single Hung Fiberglass Window	1,326.53	68.35
		For Colored Vinyl, Add	*118.98*	
		For Tinted Glass, Add	*142.78*	
		For Low-E Insulated Glass, Add	*297.46*	
		For Obscure Glass, Add	*327.20*	
08 54 13 00-0045		50" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0046	EA	24" x 50", New Construction, Single Hung Fiberglass Window	1,074.23	58.60
		For Colored Vinyl, Add	*95.71*	
		For Tinted Glass, Add	*114.85*	
		For Low-E Insulated Glass, Add	*239.26*	
		For Obscure Glass, Add	*263.19*	
08 54 13 00-0047	EA	28" x 50", New Construction, Single Hung Fiberglass Window	1,124.80	60.76
		For Colored Vinyl, Add	*100.33*	
		For Tinted Glass, Add	*120.39*	
		For Low-E Insulated Glass, Add	*250.82*	
		For Obscure Glass, Add	*275.90*	
08 54 13 00-0048	EA	30" x 50", New Construction, Single Hung Fiberglass Window	1,152.47	61.85
		For Colored Vinyl, Add	*102.88*	
		For Tinted Glass, Add	*123.45*	
		For Low-E Insulated Glass, Add	*257.19*	
		For Obscure Glass, Add	*282.91*	
08 54 13 00-0049	EA	32" x 50", New Construction, Single Hung Fiberglass Window	1,174.85	62.94
		For Colored Vinyl, Add	*104.90*	
		For Tinted Glass, Add	*125.88*	
		For Low-E Insulated Glass, Add	*262.25*	
		For Obscure Glass, Add	*288.47*	
08 54 13 00-0050	EA	36" x 50", New Construction, Single Hung Fiberglass Window	1,243.48	65.10
		For Colored Vinyl, Add	*111.33*	
		For Tinted Glass, Add	*133.59*	
		For Low-E Insulated Glass, Add	*278.32*	
		For Obscure Glass, Add	*306.15*	
08 54 13 00-0051	EA	44" x 50", New Construction, Single Hung Fiberglass Window	1,347.81	69.44
		For Colored Vinyl, Add	*120.89*	
		For Tinted Glass, Add	*145.07*	
		For Low-E Insulated Glass, Add	*302.23*	
		For Obscure Glass, Add	*332.46*	
08 54 13 00-0052		52" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0053	EA	24" x 52", New Construction, Single Hung Fiberglass Window	1,092.06	59.67
		For Colored Vinyl, Add	*97.27*	
		For Tinted Glass, Add	*116.72*	
		For Low-E Insulated Glass, Add	*243.18*	
		For Obscure Glass, Add	*267.49*	
08 54 13 00-0054	EA	28" x 52", New Construction, Single Hung Fiberglass Window	1,142.63	61.85
		For Colored Vinyl, Add	*101.89*	
		For Tinted Glass, Add	*122.27*	
		For Low-E Insulated Glass, Add	*254.73*	
		For Obscure Glass, Add	*280.21*	
08 54 13 00-0055	EA	30" x 52", New Construction, Single Hung Fiberglass Window	1,171.46	62.94
		For Colored Vinyl, Add	*104.56*	
		For Tinted Glass, Add	*125.47*	
		For Low-E Insulated Glass, Add	*261.40*	
		For Obscure Glass, Add	*287.54*	
08 54 13 00-0056	EA	32" x 52", New Construction, Single Hung Fiberglass Window	1,193.78	64.01
		For Colored Vinyl, Add	*106.57*	
		For Tinted Glass, Add	*127.89*	
		For Low-E Insulated Glass, Add	*266.44*	
		For Obscure Glass, Add	*293.08*	
08 54 13 00-0057	EA	36" x 52", New Construction, Single Hung Fiberglass Window	1,263.65	66.19
		For Colored Vinyl, Add	*113.13*	
		For Tinted Glass, Add	*135.75*	
		For Low-E Insulated Glass, Add	*282.82*	
		For Obscure Glass, Add	*311.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0058	EA	44" x 52", New Construction, Single Hung Fiberglass Window	1,369.41	70.53
		For Colored Vinyl, Add	*122.84*	
		For Tinted Glass, Add	*147.40*	
		For Low-E Insulated Glass, Add	*307.09*	
		For Obscure Glass, Add	*337.80*	
08 54 13 00-0059		54" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0060	EA	24" x 54", New Construction, Single Hung Fiberglass Window	1,109.80	60.76
		For Colored Vinyl, Add	*98.83*	
		For Tinted Glass, Add	*118.59*	
		For Low-E Insulated Glass, Add	*247.07*	
		For Obscure Glass, Add	*271.78*	
08 54 13 00-0061	EA	28" x 54", New Construction, Single Hung Fiberglass Window	1,160.37	62.94
		For Colored Vinyl, Add	*103.45*	
		For Tinted Glass, Add	*124.14*	
		For Low-E Insulated Glass, Add	*258.63*	
		For Obscure Glass, Add	*284.49*	
08 54 13 00-0062	EA	30" x 54", New Construction, Single Hung Fiberglass Window	1,190.26	64.01
		For Colored Vinyl, Add	*106.22*	
		For Tinted Glass, Add	*127.47*	
		For Low-E Insulated Glass, Add	*265.56*	
		For Obscure Glass, Add	*292.11*	
08 54 13 00-0063	EA	32" x 54", New Construction, Single Hung Fiberglass Window	1,212.64	65.10
		For Colored Vinyl, Add	*108.24*	
		For Tinted Glass, Add	*129.89*	
		For Low-E Insulated Glass, Add	*270.61*	
		For Obscure Glass, Add	*297.67*	
08 54 13 00-0064	EA	36" x 54", New Construction, Single Hung Fiberglass Window	1,283.48	67.27
		For Colored Vinyl, Add	*114.89*	
		For Tinted Glass, Add	*137.87*	
		For Low-E Insulated Glass, Add	*287.24*	
		For Obscure Glass, Add	*315.96*	
08 54 13 00-0065	EA	44" x 54", New Construction, Single Hung Fiberglass Window	1,390.68	71.61
		For Colored Vinyl, Add	*124.75*	
		For Tinted Glass, Add	*149.70*	
		For Low-E Insulated Glass, Add	*311.87*	
		For Obscure Glass, Add	*343.05*	
08 54 13 00-0066		60" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0067	EA	24" x 60", New Construction, Single Hung Fiberglass Window	1,165.16	64.01
		For Colored Vinyl, Add	*103.71*	
		For Tinted Glass, Add	*124.45*	
		For Low-E Insulated Glass, Add	*259.28*	
		For Obscure Glass, Add	*285.21*	
08 54 13 00-0068	EA	28" x 60", New Construction, Single Hung Fiberglass Window	1,215.73	66.19
		For Colored Vinyl, Add	*108.34*	
		For Tinted Glass, Add	*130.00*	
		For Low-E Insulated Glass, Add	*270.84*	
		For Obscure Glass, Add	*297.92*	
08 54 13 00-0069	EA	30" x 60", New Construction, Single Hung Fiberglass Window	1,248.73	67.27
		For Colored Vinyl, Add	*111.42*	
		For Tinted Glass, Add	*133.70*	
		For Low-E Insulated Glass, Add	*278.55*	
		For Obscure Glass, Add	*306.40*	
08 54 13 00-0070	EA	32" x 60", New Construction, Single Hung Fiberglass Window	1,271.11	68.35
		For Colored Vinyl, Add	*113.44*	
		For Tinted Glass, Add	*136.13*	
		For Low-E Insulated Glass, Add	*283.60*	
		For Obscure Glass, Add	*311.96*	
08 54 13 00-0071	EA	36" x 60", New Construction, Single Hung Fiberglass Window	1,345.35	70.53
		For Colored Vinyl, Add	*120.43*	
		For Tinted Glass, Add	*144.52*	
		For Low-E Insulated Glass, Add	*301.08*	
		For Obscure Glass, Add	*331.18*	
08 54 13 00-0072	EA	44" x 60", New Construction, Single Hung Fiberglass Window	1,456.98	74.87
		For Colored Vinyl, Add	*130.73*	
		For Tinted Glass, Add	*156.87*	
		For Low-E Insulated Glass, Add	*326.81*	
		For Obscure Glass, Add	*359.49*	
08 54 13 00-0073		62" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0074	EA	24" x 62", New Construction, Single Hung Fiberglass Window	1,182.97	65.10
		For Colored Vinyl, Add	*105.28*	
		For Tinted Glass, Add	*126.33*	
		For Low-E Insulated Glass, Add	*263.19*	
		For Obscure Glass, Add	*289.51*	
08 54 13 00-0075	EA	28" x 62", New Construction, Single Hung Fiberglass Window	1,233.47	67.27
		For Colored Vinyl, Add	*109.89*	
		For Tinted Glass, Add	*131.87*	
		For Low-E Insulated Glass, Add	*274.73*	
		For Obscure Glass, Add	*302.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0076	EA	30" x 62", New Construction, Single Hung Fiberglass Window	1,267.85	68.35
		For Colored Vinyl, Add	*113.11*	
		For Tinted Glass, Add	*135.74*	
		For Low-E Insulated Glass, Add	*282.79*	
		For Obscure Glass, Add	*311.06*	
08 54 13 00-0077	EA	32" x 62", New Construction, Single Hung Fiberglass Window	1,290.17	69.44
		For Colored Vinyl, Add	*115.13*	
		For Tinted Glass, Add	*138.15*	
		For Low-E Insulated Glass, Add	*287.82*	
		For Obscure Glass, Add	*316.60*	
08 54 13 00-0078	EA	36" x 62", New Construction, Single Hung Fiberglass Window	1,365.45	71.61
		For Colored Vinyl, Add	*122.22*	
		For Tinted Glass, Add	*146.67*	
		For Low-E Insulated Glass, Add	*305.56*	
		For Obscure Glass, Add	*336.11*	
08 54 13 00-0079	EA	44" x 62", New Construction, Single Hung Fiberglass Window	1,478.66	75.95
		For Colored Vinyl, Add	*132.68*	
		For Tinted Glass, Add	*159.21*	
		For Low-E Insulated Glass, Add	*331.69*	
		For Obscure Glass, Add	*364.86*	
08 54 13 00-0080		**66" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0081	EA	24" x 66", New Construction, Single Hung Fiberglass Window	1,219.32	67.27
		For Colored Vinyl, Add	*108.48*	
		For Tinted Glass, Add	*130.17*	
		For Low-E Insulated Glass, Add	*271.20*	
		For Obscure Glass, Add	*298.31*	
08 54 13 00-0082	EA	28" x 66", New Construction, Single Hung Fiberglass Window	1,269.89	69.44
		For Colored Vinyl, Add	*113.10*	
		For Tinted Glass, Add	*135.72*	
		For Low-E Insulated Glass, Add	*282.75*	
		For Obscure Glass, Add	*311.03*	
08 54 13 00-0083	EA	30" x 66", New Construction, Single Hung Fiberglass Window	1,306.29	70.53
		For Colored Vinyl, Add	*116.52*	
		For Tinted Glass, Add	*139.83*	
		For Low-E Insulated Glass, Add	*291.31*	
		For Obscure Glass, Add	*320.44*	
08 54 13 00-0084	EA	32" x 66", New Construction, Single Hung Fiberglass Window	1,328.61	71.61
		For Colored Vinyl, Add	*118.54*	
		For Tinted Glass, Add	*142.25*	
		For Low-E Insulated Glass, Add	*296.35*	
		For Obscure Glass, Add	*325.98*	
08 54 13 00-0085	EA	36" x 66", New Construction, Single Hung Fiberglass Window	1,406.25	73.78
		For Colored Vinyl, Add	*125.87*	
		For Tinted Glass, Add	*151.04*	
		For Low-E Insulated Glass, Add	*314.67*	
		For Obscure Glass, Add	*346.14*	
08 54 13 00-0086	EA	44" x 66", New Construction, Single Hung Fiberglass Window	1,522.19	78.12
		For Colored Vinyl, Add	*136.59*	
		For Tinted Glass, Add	*163.91*	
		For Low-E Insulated Glass, Add	*341.49*	
		For Obscure Glass, Add	*375.63*	
08 54 13 00-0087		**72" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0088	EA	24" x 72", New Construction, Single Hung Fiberglass Window	1,274.67	70.53
		For Colored Vinyl, Add	*113.36*	
		For Tinted Glass, Add	*136.03*	
		For Low-E Insulated Glass, Add	*283.41*	
		For Obscure Glass, Add	*311.75*	
08 54 13 00-0089	EA	28" x 72", New Construction, Single Hung Fiberglass Window	1,325.17	72.70
		For Colored Vinyl, Add	*117.98*	
		For Tinted Glass, Add	*141.57*	
		For Low-E Insulated Glass, Add	*294.95*	
		For Obscure Glass, Add	*324.44*	
08 54 13 00-0090	EA	30" x 72", New Construction, Single Hung Fiberglass Window	1,361.58	73.78
		For Colored Vinyl, Add	*121.40*	
		For Tinted Glass, Add	*145.68*	
		For Low-E Insulated Glass, Add	*303.50*	
		For Obscure Glass, Add	*333.85*	
08 54 13 00-0091	EA	32" x 72", New Construction, Single Hung Fiberglass Window	1,383.96	74.87
		For Colored Vinyl, Add	*123.42*	
		For Tinted Glass, Add	*148.11*	
		For Low-E Insulated Glass, Add	*308.56*	
		For Obscure Glass, Add	*339.41*	
08 54 13 00-0092	EA	36" x 72", New Construction, Single Hung Fiberglass Window	1,461.59	77.04
		For Colored Vinyl, Add	*130.75*	
		For Tinted Glass, Add	*156.90*	
		For Low-E Insulated Glass, Add	*326.88*	
		For Obscure Glass, Add	*359.57*	
08 54 13 00-0093	EA	44" x 72", New Construction, Single Hung Fiberglass Window	1,577.52	81.38
		For Colored Vinyl, Add	*141.48*	
		For Tinted Glass, Add	*169.77*	
		For Low-E Insulated Glass, Add	*353.69*	
		For Obscure Glass, Add	*389.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0094		Replacement, Single Hung Fiberglass Windows *(08 54 13 00-0001)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Fiberglass Window	1,444.33	56.96
		For Colored Vinyl, Add	*133.04*	
		For Tinted Glass, Add	*159.65*	
		For Low-E Insulated Glass, Add	*332.60*	
		For Obscure Glass, Add	*365.86*	
08 54 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Fiberglass Window	1,583.43	62.39
		For Colored Vinyl, Add	*145.87*	
		For Tinted Glass, Add	*175.04*	
		For Low-E Insulated Glass, Add	*364.67*	
		For Obscure Glass, Add	*401.13*	
08 54 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Fiberglass Window	1,709.50	67.81
		For Colored Vinyl, Add	*157.39*	
		For Tinted Glass, Add	*188.86*	
		For Low-E Insulated Glass, Add	*393.47*	
		For Obscure Glass, Add	*432.81*	
08 54 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Fiberglass Window	1,789.99	73.24
		For Colored Vinyl, Add	*164.35*	
		For Tinted Glass, Add	*197.22*	
		For Low-E Insulated Glass, Add	*410.88*	
		For Obscure Glass, Add	*451.97*	
08 54 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Fiberglass Window	1,875.68	78.67
		For Colored Vinyl, Add	*171.84*	
		For Tinted Glass, Add	*206.20*	
		For Low-E Insulated Glass, Add	*429.59*	
		For Obscure Glass, Add	*472.55*	
08 54 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Fiberglass Window	2,042.77	84.09
		For Colored Vinyl, Add	*187.46*	
		For Tinted Glass, Add	*224.95*	
		For Low-E Insulated Glass, Add	*468.65*	
		For Obscure Glass, Add	*515.51*	
08 54 13 00-0101	UI	>120" UI, Replacement, Single Hung Fiberglass Window	17.06	0.70
		For Colored Vinyl, Add	*1.57*	
		For Tinted Glass, Add	*1.88*	
		For Low-E Insulated Glass, Add	*3.91*	
		For Obscure Glass, Add	*4.30*	
08 54 13 00-0102		Double Hung Fiberglass Windows *(08 54 13)*		
08 54 13 00-0103		New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0102)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0104		34" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0105	EA	24" x 34", New Construction, Double Hung Fiberglass Window	1,429.71	49.91
		For Colored Vinyl, Add	*132.99*	
		For Tinted Glass, Add	*159.59*	
		For Low-E Insulated Glass, Add	*332.47*	
		For Obscure Glass, Add	*365.72*	
08 54 13 00-0106	EA	28" x 34", New Construction, Double Hung Fiberglass Window	1,480.27	52.08
		For Colored Vinyl, Add	*137.61*	
		For Tinted Glass, Add	*165.13*	
		For Low-E Insulated Glass, Add	*344.03*	
		For Obscure Glass, Add	*378.43*	
08 54 13 00-0107	EA	30" x 34", New Construction, Double Hung Fiberglass Window	1,504.54	53.17
		For Colored Vinyl, Add	*139.82*	
		For Tinted Glass, Add	*167.79*	
		For Low-E Insulated Glass, Add	*349.55*	
		For Obscure Glass, Add	*384.51*	
08 54 13 00-0108	EA	32" x 34", New Construction, Double Hung Fiberglass Window	1,526.93	54.25
		For Colored Vinyl, Add	*141.84*	
		For Tinted Glass, Add	*170.21*	
		For Low-E Insulated Glass, Add	*354.61*	
		For Obscure Glass, Add	*390.07*	
08 54 13 00-0109	EA	36" x 34", New Construction, Double Hung Fiberglass Window	1,583.43	56.42
		For Colored Vinyl, Add	*147.06*	
		For Tinted Glass, Add	*176.47*	
		For Low-E Insulated Glass, Add	*367.65*	
		For Obscure Glass, Add	*404.41*	
08 54 13 00-0110	EA	44" x 34", New Construction, Double Hung Fiberglass Window	1,671.92	60.76
		For Colored Vinyl, Add	*155.04*	
		For Tinted Glass, Add	*186.05*	
		For Low-E Insulated Glass, Add	*387.60*	
		For Obscure Glass, Add	*426.36*	
08 54 13 00-0111		36" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0112	EA	24" x 36", New Construction, Double Hung Fiberglass Window	1,448.17	50.99
		For Colored Vinyl, Add	*134.62*	
		For Tinted Glass, Add	*161.54*	
		For Low-E Insulated Glass, Add	*336.55*	
		For Obscure Glass, Add	*370.20*	
08 54 13 00-0113	EA	28" x 36", New Construction, Double Hung Fiberglass Window	1,498.74	53.17
		For Colored Vinyl, Add	*139.24*	
		For Tinted Glass, Add	*167.09*	
		For Low-E Insulated Glass, Add	*348.10*	
		For Obscure Glass, Add	*382.91*	
08 54 13 00-0114	EA	30" x 36", New Construction, Double Hung Fiberglass Window	1,523.01	54.25
		For Colored Vinyl, Add	*141.45*	
		For Tinted Glass, Add	*169.74*	
		For Low-E Insulated Glass, Add	*353.63*	
		For Obscure Glass, Add	*388.99*	
08 54 13 00-0115	EA	32" x 36", New Construction, Double Hung Fiberglass Window	1,545.33	55.33
		For Colored Vinyl, Add	*143.47*	
		For Tinted Glass, Add	*172.16*	
		For Low-E Insulated Glass, Add	*358.67*	
		For Obscure Glass, Add	*394.53*	
08 54 13 00-0116	EA	36" x 36", New Construction, Double Hung Fiberglass Window	1,601.91	57.51
		For Colored Vinyl, Add	*148.69*	
		For Tinted Glass, Add	*178.43*	
		For Low-E Insulated Glass, Add	*371.72*	
		For Obscure Glass, Add	*408.89*	
08 54 13 00-0117	EA	44" x 36", New Construction, Double Hung Fiberglass Window	1,690.40	61.85
		For Colored Vinyl, Add	*156.67*	
		For Tinted Glass, Add	*188.00*	
		For Low-E Insulated Glass, Add	*391.68*	
		For Obscure Glass, Add	*430.84*	
08 54 13 00-0118		38" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0119	EA	24" x 38", New Construction, Double Hung Fiberglass Window	1,464.23	52.08
		For Colored Vinyl, Add	*136.01*	
		For Tinted Glass, Add	*163.21*	
		For Low-E Insulated Glass, Add	*340.02*	
		For Obscure Glass, Add	*374.02*	
08 54 13 00-0120	EA	28" x 38", New Construction, Double Hung Fiberglass Window	1,514.80	54.25
		For Colored Vinyl, Add	*140.63*	
		For Tinted Glass, Add	*168.76*	
		For Low-E Insulated Glass, Add	*351.58*	
		For Obscure Glass, Add	*386.73*	
08 54 13 00-0121	EA	30" x 38", New Construction, Double Hung Fiberglass Window	1,540.05	55.33
		For Colored Vinyl, Add	*142.94*	
		For Tinted Glass, Add	*171.53*	
		For Low-E Insulated Glass, Add	*357.35*	
		For Obscure Glass, Add	*393.08*	
08 54 13 00-0122	EA	32" x 38", New Construction, Double Hung Fiberglass Window	1,562.37	56.42
		For Colored Vinyl, Add	*144.95*	
		For Tinted Glass, Add	*173.94*	
		For Low-E Insulated Glass, Add	*362.38*	
		For Obscure Glass, Add	*398.62*	
08 54 13 00-0123	EA	36" x 38", New Construction, Double Hung Fiberglass Window	1,620.24	58.60
		For Colored Vinyl, Add	*150.31*	
		For Tinted Glass, Add	*180.37*	
		For Low-E Insulated Glass, Add	*375.77*	
		For Obscure Glass, Add	*413.34*	
08 54 13 00-0124	EA	44" x 38", New Construction, Double Hung Fiberglass Window	1,709.97	62.94
		For Colored Vinyl, Add	*158.41*	
		For Tinted Glass, Add	*190.09*	
		For Low-E Insulated Glass, Add	*396.03*	
		For Obscure Glass, Add	*435.63*	
08 54 13 00-0125		44" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0126	EA	24" x 44", New Construction, Double Hung Fiberglass Window	1,521.40	55.33
		For Colored Vinyl, Add	*141.07*	
		For Tinted Glass, Add	*169.29*	
		For Low-E Insulated Glass, Add	*352.68*	
		For Obscure Glass, Add	*387.95*	
08 54 13 00-0127	EA	28" x 44", New Construction, Double Hung Fiberglass Window	1,571.98	57.51
		For Colored Vinyl, Add	*145.70*	
		For Tinted Glass, Add	*174.84*	
		For Low-E Insulated Glass, Add	*364.24*	
		For Obscure Glass, Add	*400.66*	
08 54 13 00-0128	EA	30" x 44", New Construction, Double Hung Fiberglass Window	1,591.81	58.60
		For Colored Vinyl, Add	*147.46*	
		For Tinted Glass, Add	*176.96*	
		For Low-E Insulated Glass, Add	*368.66*	
		For Obscure Glass, Add	*405.52*	
08 54 13 00-0129	EA	32" x 44", New Construction, Double Hung Fiberglass Window	1,614.20	59.67
		For Colored Vinyl, Add	*149.48*	
		For Tinted Glass, Add	*179.38*	
		For Low-E Insulated Glass, Add	*373.71*	
		For Obscure Glass, Add	*411.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0130	EA	36" x 44", New Construction, Double Hung Fiberglass Window	1,674.88	61.85
		For Colored Vinyl, Add	*155.12*	
		For Tinted Glass, Add	*186.14*	
		For Low-E Insulated Glass, Add	*387.80*	
		For Obscure Glass, Add	*426.57*	
08 54 13 00-0131	EA	44" x 44", New Construction, Double Hung Fiberglass Window	1,771.19	66.19
		For Colored Vinyl, Add	*163.88*	
		For Tinted Glass, Add	*196.66*	
		For Low-E Insulated Glass, Add	*409.70*	
		For Obscure Glass, Add	*450.67*	
08 54 13 00-0132		**46" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0133	EA	24" x 46", New Construction, Double Hung Fiberglass Window	1,537.40	56.42
		For Colored Vinyl, Add	*142.46*	
		For Tinted Glass, Add	*170.95*	
		For Low-E Insulated Glass, Add	*356.14*	
		For Obscure Glass, Add	*391.75*	
08 54 13 00-0134	EA	28" x 46", New Construction, Double Hung Fiberglass Window	1,587.90	58.60
		For Colored Vinyl, Add	*147.07*	
		For Tinted Glass, Add	*176.49*	
		For Low-E Insulated Glass, Add	*367.68*	
		For Obscure Glass, Add	*404.45*	
08 54 13 00-0135	EA	30" x 46", New Construction, Double Hung Fiberglass Window	1,609.25	59.67
		For Colored Vinyl, Add	*148.99*	
		For Tinted Glass, Add	*178.79*	
		For Low-E Insulated Glass, Add	*372.47*	
		For Obscure Glass, Add	*409.72*	
08 54 13 00-0136	EA	32" x 46", New Construction, Double Hung Fiberglass Window	1,631.56	60.76
		For Colored Vinyl, Add	*151.00*	
		For Tinted Glass, Add	*181.20*	
		For Low-E Insulated Glass, Add	*377.51*	
		For Obscure Glass, Add	*415.26*	
08 54 13 00-0137	EA	36" x 46", New Construction, Double Hung Fiberglass Window	1,693.21	62.94
		For Colored Vinyl, Add	*156.74*	
		For Tinted Glass, Add	*188.08*	
		For Low-E Insulated Glass, Add	*391.84*	
		For Obscure Glass, Add	*431.02*	
08 54 13 00-0138	EA	44" x 46", New Construction, Double Hung Fiberglass Window	1,793.37	67.27
		For Colored Vinyl, Add	*165.88*	
		For Tinted Glass, Add	*199.06*	
		For Low-E Insulated Glass, Add	*414.71*	
		For Obscure Glass, Add	*456.18*	
08 54 13 00-0139		**48" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0140	EA	24" x 48", New Construction, Double Hung Fiberglass Window	1,553.59	57.51
		For Colored Vinyl, Add	*143.86*	
		For Tinted Glass, Add	*172.63*	
		For Low-E Insulated Glass, Add	*359.64*	
		For Obscure Glass, Add	*395.61*	
08 54 13 00-0141	EA	28" x 48", New Construction, Double Hung Fiberglass Window	1,604.16	59.67
		For Colored Vinyl, Add	*148.48*	
		For Tinted Glass, Add	*178.18*	
		For Low-E Insulated Glass, Add	*371.20*	
		For Obscure Glass, Add	*408.32*	
08 54 13 00-0142	EA	30" x 48", New Construction, Double Hung Fiberglass Window	1,626.27	60.76
		For Colored Vinyl, Add	*150.48*	
		For Tinted Glass, Add	*180.57*	
		For Low-E Insulated Glass, Add	*376.19*	
		For Obscure Glass, Add	*413.81*	
08 54 13 00-0143	EA	32" x 48", New Construction, Double Hung Fiberglass Window	1,648.60	61.85
		For Colored Vinyl, Add	*152.49*	
		For Tinted Glass, Add	*182.99*	
		For Low-E Insulated Glass, Add	*381.23*	
		For Obscure Glass, Add	*419.35*	
08 54 13 00-0144	EA	36" x 48", New Construction, Double Hung Fiberglass Window	1,711.49	64.01
		For Colored Vinyl, Add	*158.35*	
		For Tinted Glass, Add	*190.01*	
		For Low-E Insulated Glass, Add	*395.86*	
		For Obscure Glass, Add	*435.45*	
08 54 13 00-0145	EA	44" x 48", New Construction, Double Hung Fiberglass Window	1,815.10	68.35
		For Colored Vinyl, Add	*167.84*	
		For Tinted Glass, Add	*201.41*	
		For Low-E Insulated Glass, Add	*419.60*	
		For Obscure Glass, Add	*461.56*	
08 54 13 00-0146		**50" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0147	EA	24" x 50", New Construction, Double Hung Fiberglass Window	1,569.58	58.60
		For Colored Vinyl, Add	*145.24*	
		For Tinted Glass, Add	*174.29*	
		For Low-E Insulated Glass, Add	*363.10*	
		For Obscure Glass, Add	*399.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0148	EA	28" x 50", New Construction, Double Hung Fiberglass Window	1,620.15	60.76
		For Colored Vinyl, Add	*149.86*	
		For Tinted Glass, Add	*179.84*	
		For Low-E Insulated Glass, Add	*374.66*	
		For Obscure Glass, Add	*412.12*	
08 54 13 00-0149	EA	30" x 50", New Construction, Double Hung Fiberglass Window	1,643.52	61.85
		For Colored Vinyl, Add	*151.98*	
		For Tinted Glass, Add	*182.38*	
		For Low-E Insulated Glass, Add	*379.96*	
		For Obscure Glass, Add	*417.95*	
08 54 13 00-0150	EA	32" x 50", New Construction, Double Hung Fiberglass Window	1,665.89	62.94
		For Colored Vinyl, Add	*154.00*	
		For Tinted Glass, Add	*184.80*	
		For Low-E Insulated Glass, Add	*385.01*	
		For Obscure Glass, Add	*423.51*	
08 54 13 00-0151	EA	36" x 50", New Construction, Double Hung Fiberglass Window	1,729.83	65.10
		For Colored Vinyl, Add	*159.96*	
		For Tinted Glass, Add	*191.96*	
		For Low-E Insulated Glass, Add	*399.91*	
		For Obscure Glass, Add	*439.90*	
08 54 13 00-0152	EA	44" x 50", New Construction, Double Hung Fiberglass Window	1,837.16	69.44
		For Colored Vinyl, Add	*169.83*	
		For Tinted Glass, Add	*203.79*	
		For Low-E Insulated Glass, Add	*424.57*	
		For Obscure Glass, Add	*467.03*	
08 54 13 00-0153		52" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0154	EA	24" x 52", New Construction, Double Hung Fiberglass Window	1,585.71	59.67
		For Colored Vinyl, Add	*146.64*	
		For Tinted Glass, Add	*175.96*	
		For Low-E Insulated Glass, Add	*366.59*	
		For Obscure Glass, Add	*403.25*	
08 54 13 00-0155	EA	28" x 52", New Construction, Double Hung Fiberglass Window	1,636.21	61.85
		For Colored Vinyl, Add	*151.25*	
		For Tinted Glass, Add	*181.50*	
		For Low-E Insulated Glass, Add	*378.13*	
		For Obscure Glass, Add	*415.94*	
08 54 13 00-0156	EA	30" x 52", New Construction, Double Hung Fiberglass Window	1,660.54	62.94
		For Colored Vinyl, Add	*153.47*	
		For Tinted Glass, Add	*184.16*	
		For Low-E Insulated Glass, Add	*383.67*	
		For Obscure Glass, Add	*422.04*	
08 54 13 00-0157	EA	32" x 52", New Construction, Double Hung Fiberglass Window	1,682.87	64.01
		For Colored Vinyl, Add	*155.48*	
		For Tinted Glass, Add	*186.58*	
		For Low-E Insulated Glass, Add	*388.71*	
		For Obscure Glass, Add	*427.58*	
08 54 13 00-0158	EA	36" x 52", New Construction, Double Hung Fiberglass Window	1,750.33	66.19
		For Colored Vinyl, Add	*161.80*	
		For Tinted Glass, Add	*194.15*	
		For Low-E Insulated Glass, Add	*404.49*	
		For Obscure Glass, Add	*444.94*	
08 54 13 00-0159	EA	44" x 52", New Construction, Double Hung Fiberglass Window	1,858.76	70.53
		For Colored Vinyl, Add	*171.77*	
		For Tinted Glass, Add	*206.13*	
		For Low-E Insulated Glass, Add	*429.43*	
		For Obscure Glass, Add	*472.37*	
08 54 13 00-0160		54" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0161	EA	24" x 54", New Construction, Double Hung Fiberglass Window	1,601.89	60.76
		For Colored Vinyl, Add	*148.04*	
		For Tinted Glass, Add	*177.64*	
		For Low-E Insulated Glass, Add	*370.09*	
		For Obscure Glass, Add	*407.10*	
08 54 13 00-0162	EA	28" x 54", New Construction, Double Hung Fiberglass Window	1,652.46	62.94
		For Colored Vinyl, Add	*152.66*	
		For Tinted Glass, Add	*183.19*	
		For Low-E Insulated Glass, Add	*381.65*	
		For Obscure Glass, Add	*419.82*	
08 54 13 00-0163	EA	30" x 54", New Construction, Double Hung Fiberglass Window	1,677.92	64.01
		For Colored Vinyl, Add	*154.99*	
		For Tinted Glass, Add	*185.99*	
		For Low-E Insulated Glass, Add	*387.47*	
		For Obscure Glass, Add	*426.22*	
08 54 13 00-0164	EA	32" x 54", New Construction, Double Hung Fiberglass Window	1,700.29	65.10
		For Colored Vinyl, Add	*157.01*	
		For Tinted Glass, Add	*188.41*	
		For Low-E Insulated Glass, Add	*392.52*	
		For Obscure Glass, Add	*431.77*	
08 54 13 00-0165	EA	36" x 54", New Construction, Double Hung Fiberglass Window	1,770.87	67.27
		For Colored Vinyl, Add	*163.63*	
		For Tinted Glass, Add	*196.36*	
		For Low-E Insulated Glass, Add	*409.08*	
		For Obscure Glass, Add	*449.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0166	EA	44" x 54", New Construction, Double Hung Fiberglass Window	1,880.42	71.61
		For Colored Vinyl, Add	*173.72*	
		For Tinted Glass, Add	*208.46*	
		For Low-E Insulated Glass, Add	*434.30*	
		For Obscure Glass, Add	*477.73*	
08 54 13 00-0167		60" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0168	EA	24" x 60", New Construction, Double Hung Fiberglass Window	1,650.46	64.01
		For Colored Vinyl, Add	*152.24*	
		For Tinted Glass, Add	*182.69*	
		For Low-E Insulated Glass, Add	*380.61*	
		For Obscure Glass, Add	*418.67*	
08 54 13 00-0169	EA	28" x 60", New Construction, Double Hung Fiberglass Window	1,701.03	66.19
		For Colored Vinyl, Add	*156.87*	
		For Tinted Glass, Add	*188.24*	
		For Low-E Insulated Glass, Add	*392.16*	
		For Obscure Glass, Add	*431.38*	
08 54 13 00-0170	EA	30" x 60", New Construction, Double Hung Fiberglass Window	1,734.17	67.27
		For Colored Vinyl, Add	*159.96*	
		For Tinted Glass, Add	*191.96*	
		For Low-E Insulated Glass, Add	*399.91*	
		For Obscure Glass, Add	*439.90*	
08 54 13 00-0171	EA	32" x 60", New Construction, Double Hung Fiberglass Window	1,756.48	68.35
		For Colored Vinyl, Add	*161.98*	
		For Tinted Glass, Add	*194.37*	
		For Low-E Insulated Glass, Add	*404.94*	
		For Obscure Glass, Add	*445.44*	
08 54 13 00-0172	EA	36" x 60", New Construction, Double Hung Fiberglass Window	1,832.09	70.53
		For Colored Vinyl, Add	*169.10*	
		For Tinted Glass, Add	*202.92*	
		For Low-E Insulated Glass, Add	*422.76*	
		For Obscure Glass, Add	*465.04*	
08 54 13 00-0173	EA	44" x 60", New Construction, Double Hung Fiberglass Window	1,945.81	74.87
		For Colored Vinyl, Add	*179.61*	
		For Tinted Glass, Add	*215.53*	
		For Low-E Insulated Glass, Add	*449.02*	
		For Obscure Glass, Add	*493.92*	
08 54 13 00-0174		62" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0175	EA	24" x 62", New Construction, Double Hung Fiberglass Window	1,666.58	65.10
		For Colored Vinyl, Add	*153.64*	
		For Tinted Glass, Add	*184.37*	
		For Low-E Insulated Glass, Add	*384.10*	
		For Obscure Glass, Add	*422.50*	
08 54 13 00-0176	EA	28" x 62", New Construction, Double Hung Fiberglass Window	1,717.08	67.27
		For Colored Vinyl, Add	*158.25*	
		For Tinted Glass, Add	*189.90*	
		For Low-E Insulated Glass, Add	*395.64*	
		For Obscure Glass, Add	*435.20*	
08 54 13 00-0177	EA	30" x 62", New Construction, Double Hung Fiberglass Window	1,753.42	68.35
		For Colored Vinyl, Add	*161.67*	
		For Tinted Glass, Add	*194.01*	
		For Low-E Insulated Glass, Add	*404.18*	
		For Obscure Glass, Add	*444.60*	
08 54 13 00-0178	EA	32" x 62", New Construction, Double Hung Fiberglass Window	1,775.74	69.44
		For Colored Vinyl, Add	*163.69*	
		For Tinted Glass, Add	*196.42*	
		For Low-E Insulated Glass, Add	*409.22*	
		For Obscure Glass, Add	*450.14*	
08 54 13 00-0179	EA	36" x 62", New Construction, Double Hung Fiberglass Window	1,852.32	71.61
		For Colored Vinyl, Add	*170.91*	
		For Tinted Glass, Add	*205.09*	
		For Low-E Insulated Glass, Add	*427.28*	
		For Obscure Glass, Add	*470.00*	
08 54 13 00-0180	EA	44" x 62", New Construction, Double Hung Fiberglass Window	1,970.10	75.95
		For Colored Vinyl, Add	*181.82*	
		For Tinted Glass, Add	*218.18*	
		For Low-E Insulated Glass, Add	*454.55*	
		For Obscure Glass, Add	*500.00*	
08 54 13 00-0181		66" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*		
08 54 13 00-0182	EA	24" x 66", New Construction, Double Hung Fiberglass Window	1,703.45	67.27
		For Colored Vinyl, Add	*156.89*	
		For Tinted Glass, Add	*188.27*	
		For Low-E Insulated Glass, Add	*392.23*	
		For Obscure Glass, Add	*431.45*	
08 54 13 00-0183	EA	28" x 66", New Construction, Double Hung Fiberglass Window	1,754.02	69.44
		For Colored Vinyl, Add	*161.51*	
		For Tinted Glass, Add	*193.82*	
		For Low-E Insulated Glass, Add	*403.79*	
		For Obscure Glass, Add	*444.16*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0184	EA	30" x 66", New Construction, Double Hung Fiberglass Window	1,791.99	70.53
		For Colored Vinyl, Add	*165.09*	
		For Tinted Glass, Add	*198.11*	
		For Low-E Insulated Glass, Add	*412.74*	
		For Obscure Glass, Add	*454.01*	
08 54 13 00-0185	EA	32" x 66", New Construction, Double Hung Fiberglass Window	1,814.31	71.61
		For Colored Vinyl, Add	*167.11*	
		For Tinted Glass, Add	*200.53*	
		For Low-E Insulated Glass, Add	*417.77*	
		For Obscure Glass, Add	*459.55*	
08 54 13 00-0186	EA	36" x 66", New Construction, Double Hung Fiberglass Window	1,893.38	73.78
		For Colored Vinyl, Add	*174.58*	
		For Tinted Glass, Add	*209.50*	
		For Low-E Insulated Glass, Add	*436.45*	
		For Obscure Glass, Add	*480.10*	
08 54 13 00-0187	EA	44" x 66", New Construction, Double Hung Fiberglass Window	2,016.62	78.12
		For Colored Vinyl, Add	*186.04*	
		For Tinted Glass, Add	*223.24*	
		For Low-E Insulated Glass, Add	*465.09*	
		For Obscure Glass, Add	*511.60*	

08 54 13 00-0188 72" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*

08 54 13 00-0189	EA	24" x 72", New Construction, Double Hung Fiberglass Window	1,758.80	70.53
		For Colored Vinyl, Add	*161.78*	
		For Tinted Glass, Add	*194.13*	
		For Low-E Insulated Glass, Add	*404.44*	
		For Obscure Glass, Add	*444.88*	
08 54 13 00-0190	EA	28" x 72", New Construction, Double Hung Fiberglass Window	1,809.31	72.70
		For Colored Vinyl, Add	*166.39*	
		For Tinted Glass, Add	*199.67*	
		For Low-E Insulated Glass, Add	*415.98*	
		For Obscure Glass, Add	*457.58*	
08 54 13 00-0191	EA	30" x 72", New Construction, Double Hung Fiberglass Window	1,847.28	73.78
		For Colored Vinyl, Add	*169.97*	
		For Tinted Glass, Add	*203.97*	
		For Low-E Insulated Glass, Add	*424.93*	
		For Obscure Glass, Add	*467.42*	
08 54 13 00-0192	EA	32" x 72", New Construction, Double Hung Fiberglass Window	1,869.65	74.87
		For Colored Vinyl, Add	*171.99*	
		For Tinted Glass, Add	*206.39*	
		For Low-E Insulated Glass, Add	*429.98*	
		For Obscure Glass, Add	*472.98*	
08 54 13 00-0193	EA	36" x 72", New Construction, Double Hung Fiberglass Window	1,948.72	77.04
		For Colored Vinyl, Add	*179.47*	
		For Tinted Glass, Add	*215.36*	
		For Low-E Insulated Glass, Add	*448.66*	
		For Obscure Glass, Add	*493.53*	
08 54 13 00-0194	EA	44" x 72", New Construction, Double Hung Fiberglass Window	2,071.96	81.38
		For Colored Vinyl, Add	*190.92*	
		For Tinted Glass, Add	*229.11*	
		For Low-E Insulated Glass, Add	*477.30*	
		For Obscure Glass, Add	*525.03*	

08 54 13 00-0195 Replacement, Double Hung Fiberglass Windows *(08 54 13 00-0102)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Fiberglass Window	1,776.93	56.96
		For Colored Vinyl, Add	*166.30*	
		For Tinted Glass, Add	*199.56*	
		For Low-E Insulated Glass, Add	*415.75*	
		For Obscure Glass, Add	*457.33*	
08 54 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Fiberglass Window	1,961.60	62.39
		For Colored Vinyl, Add	*183.68*	
		For Tinted Glass, Add	*220.42*	
		For Low-E Insulated Glass, Add	*459.21*	
		For Obscure Glass, Add	*505.13*	
08 54 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Fiberglass Window	2,133.19	67.81
		For Colored Vinyl, Add	*199.76*	
		For Tinted Glass, Add	*239.71*	
		For Low-E Insulated Glass, Add	*499.39*	
		For Obscure Glass, Add	*549.33*	
08 54 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Fiberglass Window	2,250.12	73.24
		For Colored Vinyl, Add	*210.36*	
		For Tinted Glass, Add	*252.44*	
		For Low-E Insulated Glass, Add	*525.91*	
		For Obscure Glass, Add	*578.50*	
08 54 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Fiberglass Window	2,376.83	78.67
		For Colored Vinyl, Add	*221.95*	
		For Tinted Glass, Add	*266.34*	
		For Low-E Insulated Glass, Add	*554.88*	
		For Obscure Glass, Add	*610.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Fiberglass Window	2,589.49	84.09
		For Colored Vinyl, Add	*242.13*	
		For Tinted Glass, Add	*290.56*	
		For Low-E Insulated Glass, Add	*605.33*	
		For Obscure Glass, Add	*665.86*	
08 54 13 00-0202	UI	>120" UI, Replacement, Double Hung Fiberglass Window	21.56	0.70
		For Colored Vinyl, Add	*2.02*	
		For Tinted Glass, Add	*2.42*	
		For Low-E Insulated Glass, Add	*5.04*	
		For Obscure Glass, Add	*5.54*	
08 54 13 00-0203		Casement Fiberglass Windows *(08 54 13)*		
08 54 13 00-0204		New Construction, Casement Fiberglass Windows *(08 54 13 00-0203)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0205		One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0204)*		
08 54 13 00-0206		24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,334.45	41.23
		For Colored Vinyl, Add	*125.31*	
		For Tinted Glass, Add	*150.37*	
		For Low-E Insulated Glass, Add	*313.27*	
		For Obscure Glass, Add	*344.59*	
08 54 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,380.02	42.32
		For Colored Vinyl, Add	*129.54*	
		For Tinted Glass, Add	*155.45*	
		For Low-E Insulated Glass, Add	*323.85*	
		For Obscure Glass, Add	*356.23*	
08 54 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,426.67	44.49
		For Colored Vinyl, Add	*133.77*	
		For Tinted Glass, Add	*160.52*	
		For Low-E Insulated Glass, Add	*334.43*	
		For Obscure Glass, Add	*367.87*	
08 54 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,519.95	46.66
		For Colored Vinyl, Add	*142.66*	
		For Tinted Glass, Add	*171.20*	
		For Low-E Insulated Glass, Add	*356.66*	
		For Obscure Glass, Add	*392.33*	
08 54 13 00-0211		28" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,417.56	43.40
		For Colored Vinyl, Add	*133.18*	
		For Tinted Glass, Add	*159.82*	
		For Low-E Insulated Glass, Add	*332.96*	
		For Obscure Glass, Add	*366.26*	
08 54 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,467.95	44.49
		For Colored Vinyl, Add	*137.90*	
		For Tinted Glass, Add	*165.48*	
		For Low-E Insulated Glass, Add	*344.75*	
		For Obscure Glass, Add	*379.22*	
08 54 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,519.30	46.66
		For Colored Vinyl, Add	*142.60*	
		For Tinted Glass, Add	*171.12*	
		For Low-E Insulated Glass, Add	*356.50*	
		For Obscure Glass, Add	*392.15*	
08 54 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,618.25	48.83
		For Colored Vinyl, Add	*152.06*	
		For Tinted Glass, Add	*182.47*	
		For Low-E Insulated Glass, Add	*380.15*	
		For Obscure Glass, Add	*418.17*	
08 54 13 00-0216		36" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,509.78	46.66
		For Colored Vinyl, Add	*141.65*	
		For Tinted Glass, Add	*169.98*	
		For Low-E Insulated Glass, Add	*354.12*	
		For Obscure Glass, Add	*389.53*	
08 54 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,562.52	48.83
		For Colored Vinyl, Add	*146.60*	
		For Tinted Glass, Add	*175.92*	
		For Low-E Insulated Glass, Add	*366.49*	
		For Obscure Glass, Add	*403.14*	
08 54 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,616.42	50.46
		For Colored Vinyl, Add	*151.55*	
		For Tinted Glass, Add	*181.86*	
		For Low-E Insulated Glass, Add	*378.88*	
		For Obscure Glass, Add	*416.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,720.00	52.62
		For Colored Vinyl, Add	*161.48*	
		For Tinted Glass, Add	*193.77*	
		For Low-E Insulated Glass, Add	*403.69*	
		For Obscure Glass, Add	*444.06*	
08 54 13 00-0221		40" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,596.84	49.91
		For Colored Vinyl, Add	*149.81*	
		For Tinted Glass, Add	*179.77*	
		For Low-E Insulated Glass, Add	*374.53*	
		For Obscure Glass, Add	*411.98*	
08 54 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,652.91	50.99
		For Colored Vinyl, Add	*155.09*	
		For Tinted Glass, Add	*186.11*	
		For Low-E Insulated Glass, Add	*387.73*	
		For Obscure Glass, Add	*426.50*	
08 54 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,710.13	53.17
		For Colored Vinyl, Add	*160.38*	
		For Tinted Glass, Add	*192.46*	
		For Low-E Insulated Glass, Add	*400.95*	
		For Obscure Glass, Add	*441.05*	
08 54 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,823.03	55.33
		For Colored Vinyl, Add	*171.24*	
		For Tinted Glass, Add	*205.48*	
		For Low-E Insulated Glass, Add	*428.09*	
		For Obscure Glass, Add	*470.90*	
08 54 13 00-0226		48" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,687.94	54.25
		For Colored Vinyl, Add	*158.05*	
		For Tinted Glass, Add	*189.66*	
		For Low-E Insulated Glass, Add	*395.13*	
		For Obscure Glass, Add	*434.64*	
08 54 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,746.87	55.33
		For Colored Vinyl, Add	*163.62*	
		For Tinted Glass, Add	*196.34*	
		For Low-E Insulated Glass, Add	*409.05*	
		For Obscure Glass, Add	*449.96*	
08 54 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,807.10	57.51
		For Colored Vinyl, Add	*169.21*	
		For Tinted Glass, Add	*203.05*	
		For Low-E Insulated Glass, Add	*423.02*	
		For Obscure Glass, Add	*465.32*	
08 54 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,932.33	59.67
		For Colored Vinyl, Add	*181.30*	
		For Tinted Glass, Add	*217.56*	
		For Low-E Insulated Glass, Add	*453.24*	
		For Obscure Glass, Add	*498.57*	
08 54 13 00-0231		52" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,774.24	56.42
		For Colored Vinyl, Add	*166.25*	
		For Tinted Glass, Add	*199.50*	
		For Low-E Insulated Glass, Add	*415.62*	
		For Obscure Glass, Add	*457.18*	
08 54 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,837.16	57.51
		For Colored Vinyl, Add	*172.21*	
		For Tinted Glass, Add	*206.66*	
		For Low-E Insulated Glass, Add	*430.54*	
		For Obscure Glass, Add	*473.59*	
08 54 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,900.97	59.67
		For Colored Vinyl, Add	*178.16*	
		For Tinted Glass, Add	*213.79*	
		For Low-E Insulated Glass, Add	*445.40*	
		For Obscure Glass, Add	*489.94*	
08 54 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,028.61	61.85
		For Colored Vinyl, Add	*190.49*	
		For Tinted Glass, Add	*228.59*	
		For Low-E Insulated Glass, Add	*476.23*	
		For Obscure Glass, Add	*523.85*	
08 54 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	1,863.87	59.67
		For Colored Vinyl, Add	*174.45*	
		For Tinted Glass, Add	*209.34*	
		For Low-E Insulated Glass, Add	*436.13*	
		For Obscure Glass, Add	*479.74*	
08 54 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	1,930.49	61.85
		For Colored Vinyl, Add	*180.79*	
		For Tinted Glass, Add	*216.95*	
		For Low-E Insulated Glass, Add	*451.97*	
		For Obscure Glass, Add	*497.17*	
08 54 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	1,998.28	63.47
		For Colored Vinyl, Add	*187.13*	
		For Tinted Glass, Add	*224.56*	
		For Low-E Insulated Glass, Add	*467.83*	
		For Obscure Glass, Add	*514.62*	
08 54 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,128.07	65.65
		For Colored Vinyl, Add	*199.68*	
		For Tinted Glass, Add	*239.61*	
		For Low-E Insulated Glass, Add	*499.20*	
		For Obscure Glass, Add	*549.11*	
08 54 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	1,949.35	62.94
		For Colored Vinyl, Add	*182.46*	
		For Tinted Glass, Add	*218.95*	
		For Low-E Insulated Glass, Add	*456.15*	
		For Obscure Glass, Add	*501.76*	
08 54 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,017.95	64.01
		For Colored Vinyl, Add	*188.99*	
		For Tinted Glass, Add	*226.79*	
		For Low-E Insulated Glass, Add	*472.48*	
		For Obscure Glass, Add	*519.73*	
08 54 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,090.88	66.19
		For Colored Vinyl, Add	*195.85*	
		For Tinted Glass, Add	*235.02*	
		For Low-E Insulated Glass, Add	*489.63*	
		For Obscure Glass, Add	*538.59*	
08 54 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,217.47	68.35
		For Colored Vinyl, Add	*208.08*	
		For Tinted Glass, Add	*249.69*	
		For Low-E Insulated Glass, Add	*520.19*	
		For Obscure Glass, Add	*572.21*	
08 54 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,051.57	66.19
		For Colored Vinyl, Add	*191.92*	
		For Tinted Glass, Add	*230.30*	
		For Low-E Insulated Glass, Add	*479.80*	
		For Obscure Glass, Add	*527.78*	
08 54 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,124.26	68.35
		For Colored Vinyl, Add	*198.86*	
		For Tinted Glass, Add	*238.64*	
		For Low-E Insulated Glass, Add	*497.16*	
		For Obscure Glass, Add	*546.87*	
08 54 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,193.54	69.99
		For Colored Vinyl, Add	*205.36*	
		For Tinted Glass, Add	*246.43*	
		For Low-E Insulated Glass, Add	*513.39*	
		For Obscure Glass, Add	*564.73*	
08 54 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,318.44	72.15
		For Colored Vinyl, Add	*217.41*	
		For Tinted Glass, Add	*260.90*	
		For Low-E Insulated Glass, Add	*543.53*	
		For Obscure Glass, Add	*597.89*	
08 54 13 00-0251		Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0204)*		
08 54 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	2,831.27	55.33
		For Colored Vinyl, Add	*272.06*	
		For Tinted Glass, Add	*326.47*	
		For Low-E Insulated Glass, Add	*680.15*	
		For Obscure Glass, Add	*748.17*	
08 54 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	2,924.28	59.67
		For Colored Vinyl, Add	*280.60*	
		For Tinted Glass, Add	*336.72*	
		For Low-E Insulated Glass, Add	*701.50*	
		For Obscure Glass, Add	*771.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,018.44	64.01
		For Colored Vinyl, Add	*289.15*	
		For Tinted Glass, Add	*346.98*	
		For Low-E Insulated Glass, Add	*722.87*	
		For Obscure Glass, Add	*795.16*	
08 54 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,128.58	67.81
		For Colored Vinyl, Add	*299.30*	
		For Tinted Glass, Add	*359.15*	
		For Low-E Insulated Glass, Add	*748.24*	
		For Obscure Glass, Add	*823.06*	
08 54 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,001.20	58.05
		For Colored Vinyl, Add	*288.51*	
		For Tinted Glass, Add	*346.21*	
		For Low-E Insulated Glass, Add	*721.28*	
		For Obscure Glass, Add	*793.40*	
08 54 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,101.26	61.85
		For Colored Vinyl, Add	*297.76*	
		For Tinted Glass, Add	*357.31*	
		For Low-E Insulated Glass, Add	*744.39*	
		For Obscure Glass, Add	*818.83*	
08 54 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,202.46	66.19
		For Colored Vinyl, Add	*307.01*	
		For Tinted Glass, Add	*368.41*	
		For Low-E Insulated Glass, Add	*767.52*	
		For Obscure Glass, Add	*844.27*	
08 54 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,308.29	70.53
		For Colored Vinyl, Add	*316.72*	
		For Tinted Glass, Add	*380.07*	
		For Low-E Insulated Glass, Add	*791.81*	
		For Obscure Glass, Add	*870.99*	
08 54 13 00-0262		48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,177.70	62.39
		For Colored Vinyl, Add	*305.29*	
		For Tinted Glass, Add	*366.35*	
		For Low-E Insulated Glass, Add	*763.23*	
		For Obscure Glass, Add	*839.56*	
08 54 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,282.79	66.19
		For Colored Vinyl, Add	*315.04*	
		For Tinted Glass, Add	*378.05*	
		For Low-E Insulated Glass, Add	*787.60*	
		For Obscure Glass, Add	*866.36*	
08 54 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,389.14	70.53
		For Colored Vinyl, Add	*324.81*	
		For Tinted Glass, Add	*389.77*	
		For Low-E Insulated Glass, Add	*812.02*	
		For Obscure Glass, Add	*893.22*	
08 54 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,506.77	74.87
		For Colored Vinyl, Add	*335.70*	
		For Tinted Glass, Add	*402.84*	
		For Low-E Insulated Glass, Add	*839.26*	
		For Obscure Glass, Add	*923.19*	
08 54 13 00-0267		52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,349.42	64.56
		For Colored Vinyl, Add	*322.03*	
		For Tinted Glass, Add	*386.44*	
		For Low-E Insulated Glass, Add	*805.08*	
		For Obscure Glass, Add	*885.59*	
08 54 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,461.35	68.35
		For Colored Vinyl, Add	*332.46*	
		For Tinted Glass, Add	*398.96*	
		For Low-E Insulated Glass, Add	*831.16*	
		For Obscure Glass, Add	*914.28*	
08 54 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,574.29	72.70
		For Colored Vinyl, Add	*342.89*	
		For Tinted Glass, Add	*411.47*	
		For Low-E Insulated Glass, Add	*857.23*	
		For Obscure Glass, Add	*942.95*	
08 54 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,694.27	77.04
		For Colored Vinyl, Add	*354.02*	
		For Tinted Glass, Add	*424.82*	
		For Low-E Insulated Glass, Add	*885.05*	
		For Obscure Glass, Add	*973.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0272		60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,524.46	68.35
		For Colored Vinyl, Add	*338.78*	
		For Tinted Glass, Add	*406.53*	
		For Low-E Insulated Glass, Add	*846.94*	
		For Obscure Glass, Add	*931.63*	
08 54 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,643.10	72.70
		For Colored Vinyl, Add	*349.88*	
		For Tinted Glass, Add	*419.85*	
		For Low-E Insulated Glass, Add	*874.70*	
		For Obscure Glass, Add	*962.17*	
08 54 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,762.68	77.04
		For Colored Vinyl, Add	*360.97*	
		For Tinted Glass, Add	*433.16*	
		For Low-E Insulated Glass, Add	*902.43*	
		For Obscure Glass, Add	*992.67*	
08 54 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,884.89	80.83
		For Colored Vinyl, Add	*372.32*	
		For Tinted Glass, Add	*446.79*	
		For Low-E Insulated Glass, Add	*930.81*	
		For Obscure Glass, Add	*1,023.89*	
08 54 13 00-0277		64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,702.75	71.07
		For Colored Vinyl, Add	*356.06*	
		For Tinted Glass, Add	*427.27*	
		For Low-E Insulated Glass, Add	*890.15*	
		For Obscure Glass, Add	*979.17*	
08 54 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,821.38	74.87
		For Colored Vinyl, Add	*367.17*	
		For Tinted Glass, Add	*440.60*	
		For Low-E Insulated Glass, Add	*917.91*	
		For Obscure Glass, Add	*1,009.70*	
08 54 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,940.44	79.21
		For Colored Vinyl, Add	*378.20*	
		For Tinted Glass, Add	*453.84*	
		For Low-E Insulated Glass, Add	*945.51*	
		For Obscure Glass, Add	*1,040.06*	
08 54 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,063.16	83.55
		For Colored Vinyl, Add	*389.61*	
		For Tinted Glass, Add	*467.53*	
		For Low-E Insulated Glass, Add	*974.02*	
		For Obscure Glass, Add	*1,071.42*	
08 54 13 00-0282		72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,894.40	74.87
		For Colored Vinyl, Add	*374.47*	
		For Tinted Glass, Add	*449.36*	
		For Low-E Insulated Glass, Add	*936.17*	
		For Obscure Glass, Add	*1,029.78*	
08 54 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,013.03	79.21
		For Colored Vinyl, Add	*385.57*	
		For Tinted Glass, Add	*462.69*	
		For Low-E Insulated Glass, Add	*963.93*	
		For Obscure Glass, Add	*1,060.32*	
08 54 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,132.76	83.55
		For Colored Vinyl, Add	*396.68*	
		For Tinted Glass, Add	*476.01*	
		For Low-E Insulated Glass, Add	*991.69*	
		For Obscure Glass, Add	*1,090.86*	
08 54 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,254.96	87.35
		For Colored Vinyl, Add	*408.03*	
		For Tinted Glass, Add	*489.63*	
		For Low-E Insulated Glass, Add	*1,020.07*	
		For Obscure Glass, Add	*1,122.07*	
08 54 13 00-0287		Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0204)*		
08 54 13 00-0288		36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,481.79	70.53
		For Colored Vinyl, Add	*334.07*	
		For Tinted Glass, Add	*400.89*	
		For Low-E Insulated Glass, Add	*835.19*	
		For Obscure Glass, Add	*918.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,633.36	75.95
		For Colored Vinyl, Add	*348.15*	
		For Tinted Glass, Add	*417.77*	
		For Low-E Insulated Glass, Add	*870.36*	
		For Obscure Glass, Add	*957.40*	
08 54 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,914.42	84.09
		For Colored Vinyl, Add	*374.62*	
		For Tinted Glass, Add	*449.55*	
		For Low-E Insulated Glass, Add	*936.56*	
		For Obscure Glass, Add	*1,030.22*	

08 54 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*

08 54 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,721.95	73.78
		For Colored Vinyl, Add	*357.55*	
		For Tinted Glass, Add	*429.06*	
		For Low-E Insulated Glass, Add	*893.87*	
		For Obscure Glass, Add	*983.25*	
08 54 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,874.93	78.67
		For Colored Vinyl, Add	*371.76*	
		For Tinted Glass, Add	*446.11*	
		For Low-E Insulated Glass, Add	*929.40*	
		For Obscure Glass, Add	*1,022.34*	
08 54 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,174.98	86.81
		For Colored Vinyl, Add	*400.14*	
		For Tinted Glass, Add	*480.17*	
		For Low-E Insulated Glass, Add	*1,000.35*	
		For Obscure Glass, Add	*1,100.38*	

08 54 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*

08 54 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,932.81	78.12
		For Colored Vinyl, Add	*377.66*	
		For Tinted Glass, Add	*453.19*	
		For Low-E Insulated Glass, Add	*944.14*	
		For Obscure Glass, Add	*1,038.55*	
08 54 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,123.18	83.01
		For Colored Vinyl, Add	*395.72*	
		For Tinted Glass, Add	*474.86*	
		For Low-E Insulated Glass, Add	*989.29*	
		For Obscure Glass, Add	*1,088.22*	
08 54 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,439.51	91.15
		For Colored Vinyl, Add	*425.72*	
		For Tinted Glass, Add	*510.87*	
		For Low-E Insulated Glass, Add	*1,064.31*	
		For Obscure Glass, Add	*1,170.74*	

08 54 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*

08 54 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,163.79	80.29
		For Colored Vinyl, Add	*400.32*	
		For Tinted Glass, Add	*480.38*	
		For Low-E Insulated Glass, Add	*1,000.80*	
		For Obscure Glass, Add	*1,100.88*	
08 54 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,365.09	85.72
		For Colored Vinyl, Add	*419.37*	
		For Tinted Glass, Add	*503.24*	
		For Low-E Insulated Glass, Add	*1,048.42*	
		For Obscure Glass, Add	*1,153.26*	
08 54 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,737.27	93.31
		For Colored Vinyl, Add	*455.07*	
		For Tinted Glass, Add	*546.08*	
		For Low-E Insulated Glass, Add	*1,137.66*	
		For Obscure Glass, Add	*1,251.43*	

08 54 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*

08 54 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,397.90	84.09
		For Colored Vinyl, Add	*422.97*	
		For Tinted Glass, Add	*507.57*	
		For Low-E Insulated Glass, Add	*1,057.43*	
		For Obscure Glass, Add	*1,163.17*	
08 54 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,609.12	89.51
		For Colored Vinyl, Add	*443.01*	
		For Tinted Glass, Add	*531.61*	
		For Low-E Insulated Glass, Add	*1,107.52*	
		For Obscure Glass, Add	*1,218.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,038.28	97.11
		For Colored Vinyl, Add	*484.41*	
		For Tinted Glass, Add	*581.29*	
		For Low-E Insulated Glass, Add	*1,211.02*	
		For Obscure Glass, Add	*1,332.12*	

08 54 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*

08 54 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,659.24	86.81
		For Colored Vinyl, Add	*448.56*	
		For Tinted Glass, Add	*538.28*	
		For Low-E Insulated Glass, Add	*1,121.41*	
		For Obscure Glass, Add	*1,233.55*	
08 54 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,870.34	92.22
		For Colored Vinyl, Add	*468.59*	
		For Tinted Glass, Add	*562.31*	
		For Low-E Insulated Glass, Add	*1,171.47*	
		For Obscure Glass, Add	*1,288.62*	
08 54 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,299.49	99.83
		For Colored Vinyl, Add	*509.99*	
		For Tinted Glass, Add	*611.98*	
		For Low-E Insulated Glass, Add	*1,274.96*	
		For Obscure Glass, Add	*1,402.46*	

08 54 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*

08 54 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,923.35	90.60
		For Colored Vinyl, Add	*474.22*	
		For Tinted Glass, Add	*569.06*	
		For Low-E Insulated Glass, Add	*1,185.54*	
		For Obscure Glass, Add	*1,304.09*	
08 54 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,134.37	96.02
		For Colored Vinyl, Add	*494.23*	
		For Tinted Glass, Add	*593.08*	
		For Low-E Insulated Glass, Add	*1,235.58*	
		For Obscure Glass, Add	*1,359.14*	
08 54 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,563.54	103.62
		For Colored Vinyl, Add	*535.63*	
		For Tinted Glass, Add	*642.76*	
		For Low-E Insulated Glass, Add	*1,339.08*	
		For Obscure Glass, Add	*1,472.98*	

08 54 13 00-0316 Replacement, Casement Fiberglass Windows *(08 54 13 00-0203)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0317 One Operating Sash, Replacement, Casement Fiberglass Windows *(08 54 13 00-0316)*

08 54 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window	1,748.05	46.12
		For Colored Vinyl, Add	*165.58*	
		For Tinted Glass, Add	*198.70*	
		For Low-E Insulated Glass, Add	*413.96*	
		For Obscure Glass, Add	*455.35*	
08 54 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window	1,989.34	51.54
		For Colored Vinyl, Add	*188.63*	
		For Tinted Glass, Add	*226.35*	
		For Low-E Insulated Glass, Add	*471.57*	
		For Obscure Glass, Add	*518.72*	
08 54 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,204.60	56.96
		For Colored Vinyl, Add	*209.07*	
		For Tinted Glass, Add	*250.88*	
		For Low-E Insulated Glass, Add	*522.67*	
		For Obscure Glass, Add	*574.93*	
08 54 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,393.77	62.39
		For Colored Vinyl, Add	*226.90*	
		For Tinted Glass, Add	*272.28*	
		For Low-E Insulated Glass, Add	*567.25*	
		For Obscure Glass, Add	*623.98*	
08 54 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,556.94	67.81
		For Colored Vinyl, Add	*242.13*	
		For Tinted Glass, Add	*290.56*	
		For Low-E Insulated Glass, Add	*605.33*	
		For Obscure Glass, Add	*665.86*	
08 54 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,644.60	73.24
		For Colored Vinyl, Add	*249.81*	
		For Tinted Glass, Add	*299.77*	
		For Low-E Insulated Glass, Add	*624.53*	
		For Obscure Glass, Add	*686.98*	
08 54 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	26.12	0.70
		For Colored Vinyl, Add	*2.47*	
		For Tinted Glass, Add	*2.97*	
		For Low-E Insulated Glass, Add	*6.18*	
		For Obscure Glass, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0325		Two Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0316)*		
08 54 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,012.33	56.96
		For Colored Vinyl, Add	*289.84*	
		For Tinted Glass, Add	*347.81*	
		For Low-E Insulated Glass, Add	*724.60*	
		For Obscure Glass, Add	*797.06*	
08 54 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,312.15	62.39
		For Colored Vinyl, Add	*318.74*	
		For Tinted Glass, Add	*382.49*	
		For Low-E Insulated Glass, Add	*796.85*	
		For Obscure Glass, Add	*876.53*	
08 54 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,585.98	67.81
		For Colored Vinyl, Add	*345.04*	
		For Tinted Glass, Add	*414.04*	
		For Low-E Insulated Glass, Add	*862.59*	
		For Obscure Glass, Add	*948.85*	
08 54 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,762.18	73.24
		For Colored Vinyl, Add	*361.57*	
		For Tinted Glass, Add	*433.88*	
		For Low-E Insulated Glass, Add	*903.93*	
		For Obscure Glass, Add	*994.32*	
08 54 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,952.00	78.67
		For Colored Vinyl, Add	*379.47*	
		For Tinted Glass, Add	*455.36*	
		For Low-E Insulated Glass, Add	*948.67*	
		For Obscure Glass, Add	*1,043.54*	
08 54 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,151.63	84.09
		For Colored Vinyl, Add	*398.35*	
		For Tinted Glass, Add	*478.01*	
		For Low-E Insulated Glass, Add	*995.86*	
		For Obscure Glass, Add	*1,095.45*	
08 54 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	34.60	0.70
		For Colored Vinyl, Add	*3.32*	
		For Tinted Glass, Add	*3.98*	
		For Low-E Insulated Glass, Add	*8.30*	
		For Obscure Glass, Add	*9.13*	
08 54 13 00-0333		Three Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0316)*		
08 54 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,154.87	56.96
		For Colored Vinyl, Add	*304.09*	
		For Tinted Glass, Add	*364.91*	
		For Low-E Insulated Glass, Add	*760.24*	
		For Obscure Glass, Add	*836.26*	
08 54 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,470.34	62.39
		For Colored Vinyl, Add	*334.56*	
		For Tinted Glass, Add	*401.47*	
		For Low-E Insulated Glass, Add	*836.39*	
		For Obscure Glass, Add	*920.03*	
08 54 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,767.57	67.81
		For Colored Vinyl, Add	*363.19*	
		For Tinted Glass, Add	*435.83*	
		For Low-E Insulated Glass, Add	*907.99*	
		For Obscure Glass, Add	*998.78*	
08 54 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,959.36	73.24
		For Colored Vinyl, Add	*381.29*	
		For Tinted Glass, Add	*457.55*	
		For Low-E Insulated Glass, Add	*953.22*	
		For Obscure Glass, Add	*1,048.54*	
08 54 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,166.78	78.67
		For Colored Vinyl, Add	*400.95*	
		For Tinted Glass, Add	*481.14*	
		For Low-E Insulated Glass, Add	*1,002.37*	
		For Obscure Glass, Add	*1,102.60*	
08 54 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,385.97	84.09
		For Colored Vinyl, Add	*421.78*	
		For Tinted Glass, Add	*506.13*	
		For Low-E Insulated Glass, Add	*1,054.45*	
		For Obscure Glass, Add	*1,159.89*	
08 54 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	36.55	0.70
		For Colored Vinyl, Add	*3.51*	
		For Tinted Glass, Add	*4.22*	
		For Low-E Insulated Glass, Add	*8.79*	
		For Obscure Glass, Add	*9.66*	
08 54 13 00-0341		Awning Fiberglass Windows *(08 54 13)*		
08 54 13 00-0342		New Construction, Awning Fiberglass Windows *(08 54 13 00-0341)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0343		Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0342)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0344		17" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*		
08 54 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Fiberglass Window	1,770.49	44.49
		For Colored Vinyl, Add	*168.15*	
		For Tinted Glass, Add	*201.78*	
		For Low-E Insulated Glass, Add	*420.38*	
		For Obscure Glass, Add	*462.42*	
08 54 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Fiberglass Window	1,852.94	46.66
		For Colored Vinyl, Add	*175.96*	
		For Tinted Glass, Add	*211.16*	
		For Low-E Insulated Glass, Add	*439.91*	
		For Obscure Glass, Add	*483.90*	
08 54 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Fiberglass Window	1,977.71	50.46
		For Colored Vinyl, Add	*187.68*	
		For Tinted Glass, Add	*225.22*	
		For Low-E Insulated Glass, Add	*469.20*	
		For Obscure Glass, Add	*516.12*	
08 54 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Fiberglass Window	2,056.81	53.17
		For Colored Vinyl, Add	*195.05*	
		For Tinted Glass, Add	*234.06*	
		For Low-E Insulated Glass, Add	*487.62*	
		For Obscure Glass, Add	*536.38*	
08 54 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Fiberglass Window	2,187.04	57.51
		For Colored Vinyl, Add	*207.20*	
		For Tinted Glass, Add	*248.64*	
		For Low-E Insulated Glass, Add	*518.01*	
		For Obscure Glass, Add	*569.81*	
08 54 13 00-0350		20" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*		
08 54 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Fiberglass Window	1,871.35	46.66
		For Colored Vinyl, Add	*177.91*	
		For Tinted Glass, Add	*213.50*	
		For Low-E Insulated Glass, Add	*444.78*	
		For Obscure Glass, Add	*489.26*	
08 54 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Fiberglass Window	1,953.80	48.83
		For Colored Vinyl, Add	*185.72*	
		For Tinted Glass, Add	*222.87*	
		For Low-E Insulated Glass, Add	*464.31*	
		For Obscure Glass, Add	*510.74*	
08 54 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Fiberglass Window	2,089.40	52.08
		For Colored Vinyl, Add	*198.52*	
		For Tinted Glass, Add	*238.23*	
		For Low-E Insulated Glass, Add	*496.31*	
		For Obscure Glass, Add	*545.94*	
08 54 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Fiberglass Window	2,168.64	55.33
		For Colored Vinyl, Add	*205.91*	
		For Tinted Glass, Add	*247.09*	
		For Low-E Insulated Glass, Add	*514.76*	
		For Obscure Glass, Add	*566.24*	
08 54 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Fiberglass Window	2,309.55	59.13
		For Colored Vinyl, Add	*219.13*	
		For Tinted Glass, Add	*262.95*	
		For Low-E Insulated Glass, Add	*547.82*	
		For Obscure Glass, Add	*602.60*	
08 54 13 00-0356		24" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*		
08 54 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Fiberglass Window	1,929.87	48.83
		For Colored Vinyl, Add	*183.33*	
		For Tinted Glass, Add	*220.00*	
		For Low-E Insulated Glass, Add	*458.33*	
		For Obscure Glass, Add	*504.16*	
08 54 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Fiberglass Window	2,012.34	50.99
		For Colored Vinyl, Add	*191.14*	
		For Tinted Glass, Add	*229.37*	
		For Low-E Insulated Glass, Add	*477.86*	
		For Obscure Glass, Add	*525.64*	
08 54 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Fiberglass Window	2,153.33	54.25
		For Colored Vinyl, Add	*204.48*	
		For Tinted Glass, Add	*245.38*	
		For Low-E Insulated Glass, Add	*511.21*	
		For Obscure Glass, Add	*562.33*	
08 54 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Fiberglass Window	2,241.31	57.51
		For Colored Vinyl, Add	*212.74*	
		For Tinted Glass, Add	*255.29*	
		For Low-E Insulated Glass, Add	*531.85*	
		For Obscure Glass, Add	*585.03*	
08 54 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Fiberglass Window	2,384.44	61.30
		For Colored Vinyl, Add	*226.18*	
		For Tinted Glass, Add	*271.42*	
		For Low-E Insulated Glass, Add	*565.46*	
		For Obscure Glass, Add	*622.00*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 54 13 00-0362 28" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

08 54 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Fiberglass Window	1,988.47	50.99
		For Colored Vinyl, Add	*188.76*	
		For Tinted Glass, Add	*226.51*	
		For Low-E Insulated Glass, Add	*471.89*	
		For Obscure Glass, Add	*519.08*	
08 54 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Fiberglass Window	2,070.92	53.17
		For Colored Vinyl, Add	*196.57*	
		For Tinted Glass, Add	*235.88*	
		For Low-E Insulated Glass, Add	*491.42*	
		For Obscure Glass, Add	*540.56*	
08 54 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Fiberglass Window	2,217.40	56.42
		For Colored Vinyl, Add	*210.46*	
		For Tinted Glass, Add	*252.55*	
		For Low-E Insulated Glass, Add	*526.14*	
		For Obscure Glass, Add	*578.75*	
08 54 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Fiberglass Window	2,313.46	59.67
		For Colored Vinyl, Add	*219.52*	
		For Tinted Glass, Add	*263.42*	
		For Low-E Insulated Glass, Add	*548.80*	
		For Obscure Glass, Add	*603.68*	
08 54 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Fiberglass Window	2,459.33	63.47
		For Colored Vinyl, Add	*233.24*	
		For Tinted Glass, Add	*279.89*	
		For Low-E Insulated Glass, Add	*583.10*	
		For Obscure Glass, Add	*641.40*	

08 54 13 00-0368 36" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

08 54 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Fiberglass Window	2,344.24	60.22
		For Colored Vinyl, Add	*222.38*	
		For Tinted Glass, Add	*266.86*	
		For Low-E Insulated Glass, Add	*555.95*	
		For Obscure Glass, Add	*611.55*	
08 54 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Fiberglass Window	2,440.44	62.94
		For Colored Vinyl, Add	*231.46*	
		For Tinted Glass, Add	*277.75*	
		For Low-E Insulated Glass, Add	*578.65*	
		For Obscure Glass, Add	*636.51*	
08 54 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Fiberglass Window	2,597.13	67.27
		For Colored Vinyl, Add	*246.26*	
		For Tinted Glass, Add	*295.51*	
		For Low-E Insulated Glass, Add	*615.65*	
		For Obscure Glass, Add	*677.21*	

08 54 13 00-0372 Replacement, Awning Fiberglass Windows *(08 54 13 00-0341)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0373	EA	Up To 53" UI, Replacement, Awning Fiberglass Window	1,851.59	46.12
		For Colored Vinyl, Add	*175.94*	
		For Tinted Glass, Add	*211.12*	
		For Low-E Insulated Glass, Add	*439.84*	
		For Obscure Glass, Add	*483.83*	
08 54 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Fiberglass Window	2,153.39	51.54
		For Colored Vinyl, Add	*205.03*	
		For Tinted Glass, Add	*246.04*	
		For Low-E Insulated Glass, Add	*512.58*	
		For Obscure Glass, Add	*563.84*	
08 54 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Fiberglass Window	2,442.13	56.96
		For Colored Vinyl, Add	*232.82*	
		For Tinted Glass, Add	*279.38*	
		For Low-E Insulated Glass, Add	*582.05*	
		For Obscure Glass, Add	*640.26*	
08 54 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Fiberglass Window	2,717.89	62.39
		For Colored Vinyl, Add	*259.31*	
		For Tinted Glass, Add	*311.17*	
		For Low-E Insulated Glass, Add	*648.28*	
		For Obscure Glass, Add	*713.11*	
08 54 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Fiberglass Window	2,980.70	67.81
		For Colored Vinyl, Add	*284.51*	
		For Tinted Glass, Add	*341.41*	
		For Low-E Insulated Glass, Add	*711.27*	
		For Obscure Glass, Add	*782.39*	
08 54 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Fiberglass Window	3,104.74	73.24
		For Colored Vinyl, Add	*295.83*	
		For Tinted Glass, Add	*354.99*	
		For Low-E Insulated Glass, Add	*739.57*	
		For Obscure Glass, Add	*813.52*	
08 54 13 00-0379	UI	>101" UI, Replacement, Awning Fiberglass Window	30.69	0.70
		For Colored Vinyl, Add	*2.93*	
		For Tinted Glass, Add	*3.51*	
		For Low-E Insulated Glass, Add	*7.32*	
		For Obscure Glass, Add	*8.05*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0380		Horizontal Sliding Fiberglass Windows *(08 54 13)*			
08 54 13 00-0381		New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0380)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.			
08 54 13 00-0382		20" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*			
08 54 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Fiberglass Window		891.14	53.17
		For Colored Vinyl, Add		*78.59*	
		For Tinted Glass, Add		*94.31*	
		For Low-E Insulated Glass, Add		*196.47*	
		For Obscure Glass, Add		*216.12*	
08 54 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Fiberglass Window		981.23	59.67
		For Colored Vinyl, Add		*86.30*	
		For Tinted Glass, Add		*103.56*	
		For Low-E Insulated Glass, Add		*215.74*	
		For Obscure Glass, Add		*237.31*	
08 54 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Fiberglass Window		1,026.27	62.39
		For Colored Vinyl, Add		*90.15*	
		For Tinted Glass, Add		*108.18*	
		For Low-E Insulated Glass, Add		*225.38*	
		For Obscure Glass, Add		*247.91*	
08 54 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Fiberglass Window		1,071.32	65.65
		For Colored Vinyl, Add		*94.00*	
		For Tinted Glass, Add		*112.80*	
		For Low-E Insulated Glass, Add		*235.01*	
		For Obscure Glass, Add		*258.51*	
08 54 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Fiberglass Window		1,101.29	68.35
		For Colored Vinyl, Add		*96.57*	
		For Tinted Glass, Add		*115.88*	
		For Low-E Insulated Glass, Add		*241.42*	
		For Obscure Glass, Add		*265.56*	
08 54 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Fiberglass Window		1,161.41	72.15
		For Colored Vinyl, Add		*101.71*	
		For Tinted Glass, Add		*122.05*	
		For Low-E Insulated Glass, Add		*254.28*	
		For Obscure Glass, Add		*279.70*	
08 54 13 00-0389		24" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*			
08 54 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Fiberglass Window		938.84	55.33
		For Colored Vinyl, Add		*82.93*	
		For Tinted Glass, Add		*99.51*	
		For Low-E Insulated Glass, Add		*207.31*	
		For Obscure Glass, Add		*228.04*	
08 54 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Fiberglass Window		1,032.45	61.85
		For Colored Vinyl, Add		*90.98*	
		For Tinted Glass, Add		*109.18*	
		For Low-E Insulated Glass, Add		*227.46*	
		For Obscure Glass, Add		*250.21*	
08 54 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Fiberglass Window		1,079.64	64.56
		For Colored Vinyl, Add		*95.05*	
		For Tinted Glass, Add		*114.06*	
		For Low-E Insulated Glass, Add		*237.63*	
		For Obscure Glass, Add		*261.40*	
08 54 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Fiberglass Window		1,126.13	67.81
		For Colored Vinyl, Add		*99.05*	
		For Tinted Glass, Add		*118.86*	
		For Low-E Insulated Glass, Add		*247.63*	
		For Obscure Glass, Add		*272.39*	
08 54 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Fiberglass Window		1,157.33	70.53
		For Colored Vinyl, Add		*101.74*	
		For Tinted Glass, Add		*122.08*	
		For Low-E Insulated Glass, Add		*254.34*	
		For Obscure Glass, Add		*279.77*	
08 54 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Fiberglass Window		1,219.74	74.33
		For Colored Vinyl, Add		*107.11*	
		For Tinted Glass, Add		*128.53*	
		For Low-E Insulated Glass, Add		*267.77*	
		For Obscure Glass, Add		*294.55*	
08 54 13 00-0396		36" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*			
08 54 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Fiberglass Window		1,083.05	61.85
		For Colored Vinyl, Add		*96.04*	
		For Tinted Glass, Add		*115.25*	
		For Low-E Insulated Glass, Add		*240.11*	
		For Obscure Glass, Add		*264.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,188.01	68.35
		For Colored Vinyl, Add	*105.24*	
		For Tinted Glass, Add	*126.29*	
		For Low-E Insulated Glass, Add	*263.10*	
		For Obscure Glass, Add	*289.40*	
08 54 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,240.55	71.07
		For Colored Vinyl, Add	*109.84*	
		For Tinted Glass, Add	*131.81*	
		For Low-E Insulated Glass, Add	*274.60*	
		For Obscure Glass, Add	*302.06*	
08 54 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,293.03	74.33
		For Colored Vinyl, Add	*114.44*	
		For Tinted Glass, Add	*137.33*	
		For Low-E Insulated Glass, Add	*286.10*	
		For Obscure Glass, Add	*314.70*	
08 54 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,328.07	75.95
		For Colored Vinyl, Add	*117.51*	
		For Tinted Glass, Add	*141.01*	
		For Low-E Insulated Glass, Add	*293.77*	
		For Obscure Glass, Add	*323.15*	
08 54 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,398.11	80.83
		For Colored Vinyl, Add	*123.64*	
		For Tinted Glass, Add	*148.37*	
		For Low-E Insulated Glass, Add	*309.11*	
		For Obscure Glass, Add	*340.02*	
08 54 13 00-0403		42" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,155.14	65.10
		For Colored Vinyl, Add	*102.60*	
		For Tinted Glass, Add	*123.12*	
		For Low-E Insulated Glass, Add	*256.51*	
		For Obscure Glass, Add	*282.16*	
08 54 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,265.85	71.61
		For Colored Vinyl, Add	*112.37*	
		For Tinted Glass, Add	*134.85*	
		For Low-E Insulated Glass, Add	*280.93*	
		For Obscure Glass, Add	*309.02*	
08 54 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,321.26	74.33
		For Colored Vinyl, Add	*117.26*	
		For Tinted Glass, Add	*140.71*	
		For Low-E Insulated Glass, Add	*293.15*	
		For Obscure Glass, Add	*322.47*	
08 54 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,376.61	77.58
		For Colored Vinyl, Add	*122.15*	
		For Tinted Glass, Add	*146.57*	
		For Low-E Insulated Glass, Add	*305.36*	
		For Obscure Glass, Add	*335.90*	
08 54 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,413.35	80.29
		For Colored Vinyl, Add	*125.39*	
		For Tinted Glass, Add	*150.46*	
		For Low-E Insulated Glass, Add	*313.46*	
		For Obscure Glass, Add	*344.81*	
08 54 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,487.30	84.09
		For Colored Vinyl, Add	*131.91*	
		For Tinted Glass, Add	*158.29*	
		For Low-E Insulated Glass, Add	*329.78*	
		For Obscure Glass, Add	*362.76*	
08 54 13 00-0410		44" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,179.23	66.19
		For Colored Vinyl, Add	*104.79*	
		For Tinted Glass, Add	*125.75*	
		For Low-E Insulated Glass, Add	*261.99*	
		For Obscure Glass, Add	*288.18*	
08 54 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,291.82	72.70
		For Colored Vinyl, Add	*114.75*	
		For Tinted Glass, Add	*137.70*	
		For Low-E Insulated Glass, Add	*286.88*	
		For Obscure Glass, Add	*315.57*	
08 54 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,348.08	75.40
		For Colored Vinyl, Add	*119.73*	
		For Tinted Glass, Add	*143.67*	
		For Low-E Insulated Glass, Add	*299.32*	
		For Obscure Glass, Add	*329.25*	
08 54 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,404.39	78.67
		For Colored Vinyl, Add	*124.71*	
		For Tinted Glass, Add	*149.65*	
		For Low-E Insulated Glass, Add	*311.77*	
		For Obscure Glass, Add	*342.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,442.00	81.38
		For Colored Vinyl, Add	*128.03*	
		For Tinted Glass, Add	*153.64*	
		For Low-E Insulated Glass, Add	*320.08*	
		For Obscure Glass, Add	*352.09*	
08 54 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,516.92	85.17
		For Colored Vinyl, Add	*134.66*	
		For Tinted Glass, Add	*161.59*	
		For Low-E Insulated Glass, Add	*336.64*	
		For Obscure Glass, Add	*370.31*	
08 54 13 00-0417		46" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,203.25	67.27
		For Colored Vinyl, Add	*106.98*	
		For Tinted Glass, Add	*128.37*	
		For Low-E Insulated Glass, Add	*267.45*	
		For Obscure Glass, Add	*294.19*	
08 54 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,317.72	73.78
		For Colored Vinyl, Add	*117.12*	
		For Tinted Glass, Add	*140.55*	
		For Low-E Insulated Glass, Add	*292.81*	
		For Obscure Glass, Add	*322.09*	
08 54 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,374.95	76.49
		For Colored Vinyl, Add	*122.20*	
		For Tinted Glass, Add	*146.64*	
		For Low-E Insulated Glass, Add	*305.49*	
		For Obscure Glass, Add	*336.04*	
08 54 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,432.13	79.75
		For Colored Vinyl, Add	*127.26*	
		For Tinted Glass, Add	*152.72*	
		For Low-E Insulated Glass, Add	*318.16*	
		For Obscure Glass, Add	*349.97*	
08 54 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,470.31	82.46
		For Colored Vinyl, Add	*130.65*	
		For Tinted Glass, Add	*156.78*	
		For Low-E Insulated Glass, Add	*326.62*	
		For Obscure Glass, Add	*359.28*	
08 54 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,546.67	86.26
		For Colored Vinyl, Add	*137.42*	
		For Tinted Glass, Add	*164.90*	
		For Low-E Insulated Glass, Add	*343.54*	
		For Obscure Glass, Add	*377.89*	
08 54 13 00-0424		48" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,227.32	68.35
		For Colored Vinyl, Add	*109.17*	
		For Tinted Glass, Add	*131.00*	
		For Low-E Insulated Glass, Add	*272.92*	
		For Obscure Glass, Add	*300.21*	
08 54 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,343.69	74.87
		For Colored Vinyl, Add	*119.50*	
		For Tinted Glass, Add	*143.40*	
		For Low-E Insulated Glass, Add	*298.76*	
		For Obscure Glass, Add	*328.64*	
08 54 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,401.84	77.58
		For Colored Vinyl, Add	*124.67*	
		For Tinted Glass, Add	*149.60*	
		For Low-E Insulated Glass, Add	*311.67*	
		For Obscure Glass, Add	*342.84*	
08 54 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,459.93	80.83
		For Colored Vinyl, Add	*129.83*	
		For Tinted Glass, Add	*155.79*	
		For Low-E Insulated Glass, Add	*324.57*	
		For Obscure Glass, Add	*357.02*	
08 54 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,498.76	83.55
		For Colored Vinyl, Add	*133.28*	
		For Tinted Glass, Add	*159.93*	
		For Low-E Insulated Glass, Add	*333.19*	
		For Obscure Glass, Add	*366.51*	
08 54 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,576.42	87.35
		For Colored Vinyl, Add	*140.17*	
		For Tinted Glass, Add	*168.21*	
		For Low-E Insulated Glass, Add	*350.43*	
		For Obscure Glass, Add	*385.48*	
08 54 13 00-0431		50" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,251.34	69.44
		For Colored Vinyl, Add	*111.35*	
		For Tinted Glass, Add	*133.62*	
		For Low-E Insulated Glass, Add	*278.39*	
		For Obscure Glass, Add	*306.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,369.53	75.95
		For Colored Vinyl, Add	*121.87*	
		For Tinted Glass, Add	*146.25*	
		For Low-E Insulated Glass, Add	*304.68*	
		For Obscure Glass, Add	*335.15*	
08 54 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,428.65	78.67
		For Colored Vinyl, Add	*127.13*	
		For Tinted Glass, Add	*152.56*	
		For Low-E Insulated Glass, Add	*317.83*	
		For Obscure Glass, Add	*349.62*	
08 54 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,487.72	81.92
		For Colored Vinyl, Add	*132.39*	
		For Tinted Glass, Add	*158.87*	
		For Low-E Insulated Glass, Add	*330.97*	
		For Obscure Glass, Add	*364.07*	
08 54 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,527.21	84.63
		For Colored Vinyl, Add	*135.90*	
		For Tinted Glass, Add	*163.08*	
		For Low-E Insulated Glass, Add	*339.76*	
		For Obscure Glass, Add	*373.73*	
08 54 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,606.11	88.43
		For Colored Vinyl, Add	*142.93*	
		For Tinted Glass, Add	*171.51*	
		For Low-E Insulated Glass, Add	*357.31*	
		For Obscure Glass, Add	*393.04*	
08 54 13 00-0438		52" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,275.35	70.53
		For Colored Vinyl, Add	*113.54*	
		For Tinted Glass, Add	*136.25*	
		For Low-E Insulated Glass, Add	*283.85*	
		For Obscure Glass, Add	*312.23*	
08 54 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,395.55	77.04
		For Colored Vinyl, Add	*124.26*	
		For Tinted Glass, Add	*149.11*	
		For Low-E Insulated Glass, Add	*310.64*	
		For Obscure Glass, Add	*341.71*	
08 54 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,455.54	79.75
		For Colored Vinyl, Add	*129.60*	
		For Tinted Glass, Add	*155.52*	
		For Low-E Insulated Glass, Add	*324.01*	
		For Obscure Glass, Add	*356.41*	
08 54 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,515.71	83.01
		For Colored Vinyl, Add	*134.97*	
		For Tinted Glass, Add	*161.96*	
		For Low-E Insulated Glass, Add	*337.43*	
		For Obscure Glass, Add	*371.17*	
08 54 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,555.72	85.72
		For Colored Vinyl, Add	*138.54*	
		For Tinted Glass, Add	*166.24*	
		For Low-E Insulated Glass, Add	*346.34*	
		For Obscure Glass, Add	*380.98*	
08 54 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,635.86	89.51
		For Colored Vinyl, Add	*145.68*	
		For Tinted Glass, Add	*174.82*	
		For Low-E Insulated Glass, Add	*364.21*	
		For Obscure Glass, Add	*400.63*	
08 54 13 00-0445		54" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,299.43	71.61
		For Colored Vinyl, Add	*115.73*	
		For Tinted Glass, Add	*138.87*	
		For Low-E Insulated Glass, Add	*289.32*	
		For Obscure Glass, Add	*318.25*	
08 54 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,421.40	78.12
		For Colored Vinyl, Add	*126.62*	
		For Tinted Glass, Add	*151.95*	
		For Low-E Insulated Glass, Add	*316.56*	
		For Obscure Glass, Add	*348.22*	
08 54 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,482.42	80.83
		For Colored Vinyl, Add	*132.08*	
		For Tinted Glass, Add	*158.49*	
		For Low-E Insulated Glass, Add	*330.19*	
		For Obscure Glass, Add	*363.21*	
08 54 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,543.51	84.09
		For Colored Vinyl, Add	*137.53*	
		For Tinted Glass, Add	*165.04*	
		For Low-E Insulated Glass, Add	*343.83*	
		For Obscure Glass, Add	*378.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,584.16	86.81
		For Colored Vinyl, Add	*141.16*	
		For Tinted Glass, Add	*169.40*	
		For Low-E Insulated Glass, Add	*352.91*	
		For Obscure Glass, Add	*388.20*	
08 54 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,665.48	90.60
		For Colored Vinyl, Add	*148.43*	
		For Tinted Glass, Add	*178.11*	
		For Low-E Insulated Glass, Add	*371.07*	
		For Obscure Glass, Add	*408.18*	
08 54 13 00-0452		60" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,429.24	74.87
		For Colored Vinyl, Add	*128.06*	
		For Tinted Glass, Add	*153.67*	
		For Low-E Insulated Glass, Add	*320.15*	
		For Obscure Glass, Add	*352.16*	
08 54 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,499.24	81.38
		For Colored Vinyl, Add	*133.76*	
		For Tinted Glass, Add	*160.51*	
		For Low-E Insulated Glass, Add	*334.39*	
		For Obscure Glass, Add	*367.83*	
08 54 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,563.13	84.09
		For Colored Vinyl, Add	*139.50*	
		For Tinted Glass, Add	*167.39*	
		For Low-E Insulated Glass, Add	*348.74*	
		For Obscure Glass, Add	*383.61*	
08 54 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,626.96	87.35
		For Colored Vinyl, Add	*145.23*	
		For Tinted Glass, Add	*174.27*	
		For Low-E Insulated Glass, Add	*363.07*	
		For Obscure Glass, Add	*399.37*	
08 54 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,669.57	90.06
		For Colored Vinyl, Add	*149.05*	
		For Tinted Glass, Add	*178.86*	
		For Low-E Insulated Glass, Add	*372.64*	
		For Obscure Glass, Add	*409.90*	
08 54 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,754.67	93.85
		For Colored Vinyl, Add	*156.70*	
		For Tinted Glass, Add	*188.04*	
		For Low-E Insulated Glass, Add	*391.74*	
		For Obscure Glass, Add	*430.91*	
08 54 13 00-0459		Replacement, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0380)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window	1,586.87	56.96
		For Colored Vinyl, Add	*147.29*	
		For Tinted Glass, Add	*176.75*	
		For Low-E Insulated Glass, Add	*368.24*	
		For Obscure Glass, Add	*405.06*	
08 54 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window	1,745.46	62.39
		For Colored Vinyl, Add	*162.07*	
		For Tinted Glass, Add	*194.48*	
		For Low-E Insulated Glass, Add	*405.17*	
		For Obscure Glass, Add	*445.69*	
08 54 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window	1,891.09	67.81
		For Colored Vinyl, Add	*175.55*	
		For Tinted Glass, Add	*210.66*	
		For Low-E Insulated Glass, Add	*438.87*	
		For Obscure Glass, Add	*482.75*	
08 54 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window	1,987.23	73.24
		For Colored Vinyl, Add	*184.08*	
		For Tinted Glass, Add	*220.89*	
		For Low-E Insulated Glass, Add	*460.19*	
		For Obscure Glass, Add	*506.21*	
08 54 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window	2,090.46	78.67
		For Colored Vinyl, Add	*193.31*	
		For Tinted Glass, Add	*231.98*	
		For Low-E Insulated Glass, Add	*483.29*	
		For Obscure Glass, Add	*531.61*	
08 54 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window	2,277.04	84.09
		For Colored Vinyl, Add	*210.89*	
		For Tinted Glass, Add	*253.06*	
		For Low-E Insulated Glass, Add	*527.22*	
		For Obscure Glass, Add	*579.94*	
08 54 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Fiberglass Window	19.01	0.70
		For Colored Vinyl, Add	*1.76*	
		For Tinted Glass, Add	*2.11*	
		For Low-E Insulated Glass, Add	*4.40*	
		For Obscure Glass, Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0467		Basement Fiberglass Windows *(08 54 13)*		
08 54 13 00-0468		New Construction, Basement Fiberglass Windows *(08 54 13 00-0467)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0469	EA	32" x 15", New Construction, Basement Fiberglass Window	867.88	43.40
		For Colored Vinyl, Add	*78.11*	
		For Tinted Glass, Add	*93.73*	
		For Low-E Insulated Glass, Add	*195.27*	
		For Obscure Glass, Add	*214.79*	
08 54 13 00-0470	EA	32" x 20", New Construction, Basement Fiberglass Window	959.03	43.40
		For Colored Vinyl, Add	*87.22*	
		For Tinted Glass, Add	*104.67*	
		For Low-E Insulated Glass, Add	*218.06*	
		For Obscure Glass, Add	*239.86*	
08 54 13 00-0471	EA	32" x 23", New Construction, Basement Fiberglass Window	1,011.06	43.40
		For Colored Vinyl, Add	*92.43*	
		For Tinted Glass, Add	*110.91*	
		For Low-E Insulated Glass, Add	*231.06*	
		For Obscure Glass, Add	*254.17*	
08 54 13 00-0472		Replacement, Basement Fiberglass Windows *(08 54 13 00-0467)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0473	EA	Up To 47" UI, Replacement, Basement Fiberglass Window	1,191.12	42.32
		For Colored Vinyl, Add	*110.65*	
		For Tinted Glass, Add	*132.78*	
		For Low-E Insulated Glass, Add	*276.62*	
		For Obscure Glass, Add	*304.28*	
08 54 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Fiberglass Window	1,314.79	48.83
		For Colored Vinyl, Add	*121.71*	
		For Tinted Glass, Add	*146.06*	
		For Low-E Insulated Glass, Add	*304.29*	
		For Obscure Glass, Add	*334.71*	
08 54 13 00-0475	UI	>55" UI, Replacement, Basement Fiberglass Window	23.51	0.70
		For Colored Vinyl, Add	*2.21*	
		For Tinted Glass, Add	*2.65*	
		For Low-E Insulated Glass, Add	*5.53*	
		For Obscure Glass, Add	*6.08*	
08 54 66		**Fiberglass Window Screens** *(08 54)*		
08 54 66 00-0001		Insect Screens For Fiberglass Windows *(08 54 66)*		
08 54 66 00-0002	EA	Up To 6 SF, Insect Screen For Fiberglass Windows	54.40	9.72
08 54 66 00-0003	EA	>6 To 9 SF, Insect Screen For Fiberglass Windows	75.37	9.72
08 54 66 00-0004	EA	>9 To 12 SF, Insect Screen For Fiberglass Windows	82.37	9.72
08 54 66 00-0005	EA	>12 To 15 SF, Insect Screen For Fiberglass Windows	96.35	9.72
08 54 66 00-0006	EA	>15 To 20 SF, Insect Screen For Fiberglass Windows	127.81	9.72
08 54 66 00-0007	EA	>20 To 25 SF, Insect Screen For Fiberglass Windows	141.80	9.72
08 54 66 00-0008	EA	>25 To 30 SF, Insect Screen For Fiberglass Windows	162.77	9.72
08 54 66 00-0009	EA	>30 To 35 SF, Insect Screen For Fiberglass Windows	176.76	9.72
08 54 66 00-0010	SF	>35 SF, Insect Screen For Fiberglass Windows	5.37	0.19
08 54 66 00-0011		Factory Installed Grilles For Fiberglass Windows *(08 54 66)*		
08 54 66 00-0012		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*		
08 54 66 00-0013	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	53.84	
08 54 66 00-0014	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	69.22	
08 54 66 00-0015	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	89.15	
08 54 66 00-0016	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	105.23	
08 54 66 00-0017	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	129.35	
08 54 66 00-0018		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*		
08 54 66 00-0019	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	122.36	
08 54 66 00-0020	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	146.83	
08 54 66 00-0021	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	185.28	
08 54 66 00-0022	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	230.73	
08 54 66 00-0023	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	276.18	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*
Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,913.36	650.09
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,423.08	704.26
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,698.70	758.44
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,144.30	866.79
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,604.27	1,300.19
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	51.32	8.14
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	58.05	8.14

08 56 56 Security Window Screens *(08 56)*

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	23.55	4.88
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*3.41*	
		For Aluminum, Add	*6.82*	
		For Stainless Steel, Add	*29.84*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	24.04	4.88
		For Painted Steel, Add	*1.75*	
		For Galvanized Steel, Add	*3.51*	
		For Aluminum, Add	*7.02*	
		For Stainless Steel, Add	*30.70*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	26.29	4.88
		For Painted Steel, Add	*1.98*	
		For Galvanized Steel, Add	*3.96*	
		For Aluminum, Add	*7.92*	
		For Stainless Steel, Add	*34.63*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	31.10	4.88
		For Painted Steel, Add	*2.46*	
		For Galvanized Steel, Add	*4.92*	
		For Aluminum, Add	*9.84*	
		For Stainless Steel, Add	*43.05*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	32.95	5.96
		For Painted Steel, Add	*2.43*	
		For Galvanized Steel, Add	*4.86*	
		For Aluminum, Add	*9.72*	
		For Stainless Steel, Add	*42.51*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	33.69	5.96
		For Painted Steel, Add	*2.50*	
		For Galvanized Steel, Add	*5.01*	
		For Aluminum, Add	*10.01*	
		For Stainless Steel, Add	*43.80*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	36.92	5.96
		For Painted Steel, Add	*2.83*	
		For Galvanized Steel, Add	*5.65*	
		For Aluminum, Add	*11.30*	
		For Stainless Steel, Add	*49.46*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	43.67	5.96
		For Painted Steel, Add	*3.50*	
		For Galvanized Steel, Add	*7.00*	
		For Aluminum, Add	*14.00*	
		For Stainless Steel, Add	*61.27*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*
Note: Wire cloth has from 10 to 12 strands per 1".

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	15.59	3.25
		For Painted Steel, Add	*0.51*	
		For Galvanized Steel, Add	*1.53*	
		For Aluminum, Add	*3.05*	
		For Stainless Steel, Add	*12.71*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	16.27	3.25
		For Painted Steel, Add	*0.54*	
		For Galvanized Steel, Add	*1.63*	
		For Aluminum, Add	*3.26*	
		For Stainless Steel, Add	*13.56*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	17.35	3.25
		For Painted Steel, Add	*0.60*	
		For Galvanized Steel, Add	*1.79*	
		For Aluminum, Add	*3.58*	
		For Stainless Steel, Add	*14.91*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	19.40	3.25
		For Painted Steel, Add	*0.70*	
		For Galvanized Steel, Add	*2.10*	
		For Aluminum, Add	*4.19*	
		For Stainless Steel, Add	*17.48*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	20.99	4.33
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.17*	
		For Aluminum, Add	*4.35*	
		For Stainless Steel, Add	*18.11*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	22.05	4.33
		For Painted Steel, Add	*0.78*	
		For Galvanized Steel, Add	*2.33*	
		For Aluminum, Add	*4.67*	
		For Stainless Steel, Add	*19.44*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	23.51	4.33
		For Painted Steel, Add	*0.85*	
		For Galvanized Steel, Add	*2.55*	
		For Aluminum, Add	*5.10*	
		For Stainless Steel, Add	*21.26*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	26.45	4.33
		For Painted Steel, Add	*1.00*	
		For Galvanized Steel, Add	*2.99*	
		For Aluminum, Add	*5.99*	
		For Stainless Steel, Add	*24.94*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	29.60	8.13
		For Painted Steel, Add	*0.99*	
		For Galvanized Steel, Add	*2.98*	
		For Aluminum, Add	*5.96*	
		For Stainless Steel, Add	*24.81*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	34.60	9.75
		For Painted Steel, Add	*1.13*	
		For Galvanized Steel, Add	*3.40*	
		For Aluminum, Add	*6.80*	
		For Stainless Steel, Add	*28.35*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	38.82	11.92
		For Painted Steel, Add	*1.24*	
		For Galvanized Steel, Add	*3.71*	
		For Aluminum, Add	*7.42*	
		For Stainless Steel, Add	*30.93*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	45.60	14.08
		For Painted Steel, Add	*1.41*	
		For Galvanized Steel, Add	*4.24*	
		For Aluminum, Add	*8.48*	
		For Stainless Steel, Add	*35.33*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	42.45	13.54
		For Painted Steel, Add	*1.31*	
		For Galvanized Steel, Add	*3.93*	
		For Aluminum, Add	*7.86*	
		For Stainless Steel, Add	*32.75*	
08 56 56 00-0030	SF	3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	53.53	17.34
		For Painted Steel, Add	*1.65*	
		For Galvanized Steel, Add	*4.94*	
		For Aluminum, Add	*9.89*	
		For Stainless Steel, Add	*41.19*	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	35.87	9.75
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.59*	
		For Aluminum, Add	*7.19*	
		For Stainless Steel, Add	*29.94*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	46.45	11.92
		For Painted Steel, Add	*1.62*	
		For Galvanized Steel, Add	*4.86*	
		For Aluminum, Add	*9.71*	
		For Stainless Steel, Add	*40.46*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	51.55	13.54
		For Painted Steel, Add	*1.77*	
		For Galvanized Steel, Add	*5.30*	
		For Aluminum, Add	*10.59*	
		For Stainless Steel, Add	*44.13*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	55.77	15.17
		For Painted Steel, Add	*1.87*	
		For Galvanized Steel, Add	*5.60*	
		For Aluminum, Add	*11.21*	
		For Stainless Steel, Add	*46.69*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	60.85	17.34
		For Painted Steel, Add	*2.01*	
		For Galvanized Steel, Add	*6.04*	
		For Aluminum, Add	*12.08*	
		For Stainless Steel, Add	*50.34*	
08 56 56 00-0037	SF	3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	69.68	18.96
		For Painted Steel, Add	*2.35*	
		For Galvanized Steel, Add	*7.04*	
		For Aluminum, Add	*14.08*	
		For Stainless Steel, Add	*58.66*	
08 56 56 00-0038		Perforated Metal Security Screen *(08 56 56)*		
08 56 56 00-0039		Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*		
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	26.25	4.88
		For Painted Steel, Add	*0.99*	
		For Galvanized Steel, Add	*2.96*	
		For Aluminum, Add	*5.93*	
		For Stainless Steel, Add	*19.75*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	27.03	4.88
		For Painted Steel, Add	*1.03*	
		For Galvanized Steel, Add	*3.08*	
		For Aluminum, Add	*6.16*	
		For Stainless Steel, Add	*20.53*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	29.67	4.88
		For Painted Steel, Add	*1.16*	
		For Galvanized Steel, Add	*3.48*	
		For Aluminum, Add	*6.95*	
		For Stainless Steel, Add	*23.17*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	34.66	4.88
		For Painted Steel, Add	*1.41*	
		For Galvanized Steel, Add	*4.22*	
		For Aluminum, Add	*8.45*	
		For Stainless Steel, Add	*28.16*	
08 56 56 00-0044		Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*		
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	36.72	5.96
		For Painted Steel, Add	*1.40*	
		For Galvanized Steel, Add	*4.21*	
		For Aluminum, Add	*8.42*	
		For Stainless Steel, Add	*28.06*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	38.09	5.96
		For Painted Steel, Add	*1.47*	
		For Galvanized Steel, Add	*4.41*	
		For Aluminum, Add	*8.83*	
		For Stainless Steel, Add	*29.43*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	41.51	5.96
		For Painted Steel, Add	*1.64*	
		For Galvanized Steel, Add	*4.93*	
		For Aluminum, Add	*9.86*	
		For Stainless Steel, Add	*32.85*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	48.65	5.96
		For Painted Steel, Add	*2.00*	
		For Galvanized Steel, Add	*6.00*	
		For Aluminum, Add	*12.00*	
		For Stainless Steel, Add	*39.99*	
08 56 56 00-0049		Removal And Reinstallation Of Security Screens And Guards *(08 56 56)*		
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	13.63	

08 56 59 Service and Teller Window Units *(08 56)*

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 59 00-0001		Communicator For Window *(08 56 59)*		
08 56 59 00-0002	EA	Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350) Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.	2,621.09	216.70
08 56 59 00-0003	EA	Electronic Two-Way Audio Communicator (Haven SC-300) Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.	2,278.43	216.70
08 56 59 00-0004	EA	Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1)	2,065.28	216.70
08 56 59 00-0005		Speak-Thru Communicator For Window *(08 56 59)*		
08 56 59 00-0006	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	148.36	
08 56 59 00-0007	EA	6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	222.57	
08 56 59 00-0008		Counter Drop-In Deal Tray *(08 56 59)*		
08 56 59 00-0009	EA	16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16)	425.29	40.99

08 60 Roof Windows and Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0001		Aluminum Framed Solar Tube Skylights *(08 62 23)* Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 62 23 00-0002		31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*		
08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,351.00	212.50
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,030.81*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,426.10	217.82
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,031.87*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,499.02	223.12
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,032.94*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,602.03	228.44
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,034.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,692.15	233.76
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,035.06*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,765.09	239.06
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,036.12*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,838.02	244.38
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,037.19*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,958.21	249.70
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,038.25*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,031.15	255.00
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,039.31*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,106.23	260.32
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,040.37*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,179.16	265.63
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,041.44*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,299.35	270.94
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,042.50*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,372.29	276.26
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,043.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,445.23	281.56
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,044.62*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,518.15	286.88
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,045.69*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,641.05	212.50
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,030.81*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,744.08	217.82
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,031.87*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,847.08	223.12
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,032.94*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,950.09	228.44
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,034.00*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,117.56	233.76
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,035.06*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,220.57	239.06
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,036.12*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,323.58	244.38
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,037.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,491.04	249.70
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,038.25*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,594.05	255.00
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,039.31*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,697.07	260.32
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,040.37*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,800.08	265.63
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,041.44*	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,967.54	270.94
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,042.50*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,070.55	276.26
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,043.56*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,173.57	281.56
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,044.62*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,276.57	286.88
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,045.69*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,194.79	239.06
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,036.12*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,338.62	244.38
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,037.19*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,484.59	249.70
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,038.25*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,628.43	255.00
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,039.31*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,858.21	260.32
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,040.37*	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,002.04	265.63
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,041.44*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,145.86	270.94
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,042.50*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,377.79	276.26
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,043.56*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,521.62	281.56
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,044.62*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,665.45	286.88
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,045.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,809.28	292.20
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,046.75*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,039.06	297.50
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,047.81*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,182.89	302.82
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,048.87*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,328.87	308.13
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,049.94*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,472.70	313.44
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,051.00*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	817.62	143.44
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	971.85	154.06
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,279.28	170.00
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,430.31	180.62
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,018.67	154.06
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,248.42	170.00
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,350.51	180.62
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,519.64	191.26
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,747.27	207.20
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,271.80	180.62
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,369.66	185.94
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,524.98	191.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,641.99	196.56
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,805.78	212.50
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,006.83	223.12
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,486.67	191.26
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,611.12	201.88
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,798.34	207.20
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,902.60	217.82
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,167.49	228.44

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	977.22	143.44
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,128.25	154.06
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,403.77	170.00
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,557.99	180.62
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,133.58	154.06
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,337.79	170.00
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,446.27	180.62
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,628.16	191.26
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,811.11	207.20
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,361.18	180.62
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,471.81	185.94
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,579.24	191.26
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,702.63	196.56
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,837.70	212.50
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,041.94	223.12
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,592.01	191.26
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,726.03	201.88
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,865.38	207.20
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,976.01	217.82
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,215.37	228.44

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	989.98	143.44
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,153.79	154.06
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,438.88	170.00
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,165.50	154.06
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,382.48	170.00
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,481.38	180.62
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,666.47	191.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,389.91	180.62
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,497.34	185.94
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,620.74	191.26
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,744.13	196.56
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,888.77	212.50
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,630.31	191.26
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,777.10	201.88
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,916.45	207.20
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,027.08	217.82
08 63 13 00-0063		FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,012.33	143.44
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,188.90	154.06
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,470.80	170.00
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,672.90	180.62
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,197.42	154.06
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,411.21	170.00
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,513.30	180.62
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,714.35	191.26
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,425.02	180.62
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,532.45	185.94
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,665.42	191.26
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,792.01	196.56
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,939.85	212.50
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,678.19	191.26
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,824.98	201.88
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,967.52	207.20
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,084.54	217.82
08 63 13 00-0081		Curb Top Inserts *(08 63 13 00-0003)*		
		Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	289.85	69.06
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	378.71	79.68
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	602.36	106.26
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	556.47	95.62
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	662.52	106.26
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	377.93	69.06
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	548.44	79.68
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	909.60	106.26
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	883.04	95.62
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,087.92	106.26
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	463.87	69.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	709.58	79.68
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,287.73	106.26
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,188.12	95.62
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,483.25	106.26
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	760.16	143.44
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	929.30	154.06
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,182.43	180.62
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,451.56	191.26
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,009.14	143.44
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,184.66	154.06
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,415.44	180.62
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,665.42	191.26
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	878.26	143.44
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,183.52	170.00
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,379.24	180.62
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,127.12	170.00
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,226.02	180.62
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,449.41	191.26
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,680.24	207.20
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,283.48	185.94
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,400.49	191.26
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,527.07	196.56
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,665.33	212.50
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,936.60	223.12
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,576.01	201.88
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,750.46	207.20
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,870.68	217.82
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,132.38	228.44
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	986.79	143.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,144.21	154.06
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,419.73	170.00
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,155.93	154.06
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,270.80	164.69
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,363.33	170.00
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,462.23	180.62
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,650.51	191.26
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,377.14	185.94
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,484.57	185.94
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,601.58	191.26
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,721.79	196.56
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,863.24	212.50
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,607.97	191.26
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,754.76	201.88
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,890.91	207.20
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,998.36	217.82
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,134.64	154.06
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,461.23	170.00
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,398.44	170.00
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,503.73	180.62
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,701.58	191.26
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,522.88	185.94
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,649.46	191.26
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,779.24	196.56
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,914.31	212.50
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,812.22	201.88
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,954.75	207.20
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,068.58	217.82
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)*		
		Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,365.77	212.50
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,054.04	201.88
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,579.63	212.50

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,639.37	212.50
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,340.42	201.88
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,929.85	212.50
08 63 13 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,006.45	212.50
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,701.12	201.88
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,290.54	212.50
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,384.92	212.50
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,073.20	201.88
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,608.36	212.50
08 63 13 00-0180		25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,664.91	212.50
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,359.57	201.88
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,961.77	212.50
08 63 13 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,025.61	212.50
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,720.27	201.88
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,322.46	212.50

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) *(08 66)*		
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	664.24	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*98.25*	
		For Aluminum Shingle Flashing, Add	*78.60*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	680.28	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*102.26*	
		For Aluminum Shingle Flashing, Add	*81.81*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	642.18	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*92.73*	
		For Aluminum Shingle Flashing, Add	*74.19*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	692.31	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*105.27*	
		For Aluminum Shingle Flashing, Add	*84.21*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	734.42	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*115.79*	
		For Aluminum Shingle Flashing, Add	*92.63*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	802.59	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*132.84*	
		For Aluminum Shingle Flashing, Add	*106.27*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	888.80	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*154.39*	
		For Aluminum Shingle Flashing, Add	*123.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	642.18	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*92.73*	
		For Aluminum Shingle Flashing, Add	*74.19*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	744.44	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*118.30*	
		For Aluminum Shingle Flashing, Add	*94.64*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	802.59	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*132.84*	
		For Aluminum Shingle Flashing, Add	*106.27*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	868.75	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*149.38*	
		For Aluminum Shingle Flashing, Add	*119.50*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	956.97	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*171.43*	
		For Aluminum Shingle Flashing, Add	*137.14*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	664.24	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*98.25*	
		For Aluminum Shingle Flashing, Add	*78.60*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	692.31	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*105.27*	
		For Aluminum Shingle Flashing, Add	*84.21*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	744.44	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*118.30*	
		For Aluminum Shingle Flashing, Add	*94.64*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	928.90	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*164.41*	
		For Aluminum Shingle Flashing, Add	*131.53*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	680.28	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*102.26*	
		For Aluminum Shingle Flashing, Add	*81.81*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	734.42	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*115.79*	
		For Aluminum Shingle Flashing, Add	*92.63*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	802.59	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*132.84*	
		For Aluminum Shingle Flashing, Add	*106.27*	
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	928.90	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*164.41*	
		For Aluminum Shingle Flashing, Add	*131.53*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	802.59	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*132.84*	
		For Aluminum Shingle Flashing, Add	*106.27*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	868.75	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*149.38*	
		For Aluminum Shingle Flashing, Add	*119.50*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	888.80	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*154.39*	
		For Aluminum Shingle Flashing, Add	*123.51*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	956.97	135.63
		For Tempered Laminated Low-E Insulated Glass, Add	*171.43*	
		For Aluminum Shingle Flashing, Add	*137.14*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of exisiting door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	86.95	7.59
		For Clear Coated Bright Brass, Add	*6.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	95.48	10.85
		For Clear Coated Bright Brass, Add	*7.29*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	105.56	11.93
		For Clear Coated Bright Brass, Add	*6.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	100.98	7.59
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	114.29	10.85
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	115.06	11.93
		For Clear Coated Bright Brass, Add	*7.43*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	134.41	14.11
		For Clear Coated Bright Brass, Add	*8.69*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	135.35	14.11
		For Clear Coated Bright Brass, Add	*8.82*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	146.16	18.12
		For Clear Coated Bright Brass, Add	*10.34*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0014		**Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	115.45	7.59
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	128.75	10.85
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	130.79	11.93
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	151.77	14.11
08 71 11 00-0019		**Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*		
		Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	146.62	11.93
		For Clear Coated Bright Brass, Add	*11.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	166.24	14.11
		For Clear Coated Bright Brass, Add	*13.15*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	186.12	14.11
		For Clear Coated Bright Brass, Add	*15.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0023		**Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges** *(08 71 11 00-0002)*		
		Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	150.55	11.93
		For Clear Coated Bright Brass, Add	*12.40*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	177.43	14.11
		For Clear Coated Bright Brass, Add	*14.71*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0026		**Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge** *(08 71 11 00-0002)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	145.79	11.93
		For Clear Coated Bright Brass, Add	*11.73*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	168.41	18.12
		For Clear Coated Bright Brass, Add	*13.45*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	202.56	18.12
		For Clear Coated Bright Brass, Add	*18.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0030		**Mortised, Wrought Steel Hinges** *(08 71 11 00-0001)*		
		Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031		**Full Mortise, Plain Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	58.34	7.59
		For Primed For Paint Finish, Deduct	*-3.48*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.18*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.09*	
		For Stainless Steel, Add	*9.57*	
		For Heavy Duty, Add	*2.61*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0033	PR 4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	73.45	10.85
	For Primed For Paint Finish, Deduct	*-3.84*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.40*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-2.30*	
	For Stainless Steel, Add	*10.56*	
	For Heavy Duty, Add	*2.88*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	85.40	11.93
	For Primed For Paint Finish, Deduct	*-4.68*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.93*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-2.81*	
	For Stainless Steel, Add	*12.87*	
	For Heavy Duty, Add	*3.51*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0035	**Full Mortise, Ball Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	104.37	7.59
	For Primed For Paint Finish, Deduct	*-12.69*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.93*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-7.61*	
	For Stainless Steel, Add	*34.89*	
	For Heavy Duty, Add	*9.51*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037	PR 4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	126.08	10.85
	For Primed For Paint Finish, Deduct	*-14.37*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.98*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-8.62*	
	For Stainless Steel, Add	*39.51*	
	For Heavy Duty, Add	*10.77*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	103.47	11.93
	For Primed For Paint Finish, Deduct	*-8.29*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.18*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-4.98*	
	For Stainless Steel, Add	*22.81*	
	For Heavy Duty, Add	*6.22*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0039	PR 5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	177.34	14.11
	For Primed For Paint Finish, Deduct	*-21.00*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.13*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-12.60*	
	For Stainless Steel, Add	*57.76*	
	For Heavy Duty, Add	*15.75*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0040	PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	192.16	14.11
	For Primed For Paint Finish, Deduct	*-23.97*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.98*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-14.38*	
	For Stainless Steel, Add	*65.91*	
	For Heavy Duty, Add	*17.97*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041	PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	237.34	14.11
	For Primed For Paint Finish, Deduct	*-33.00*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.63*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-19.80*	
	For Stainless Steel, Add	*90.76*	
	For Heavy Duty, Add	*24.75*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0042	**Half Surface, Plain Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
	Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0043	PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	130.95	7.59
	For Primed For Paint Finish, Deduct	*-18.00*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*11.25*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-10.80*	
	For Stainless Steel, Add	*49.51*	
	For Heavy Duty, Add	*13.50*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044	PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	156.26	10.85
	For Primed For Paint Finish, Deduct	*-20.40*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.75*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-12.24*	
	For Stainless Steel, Add	*56.11*	
	For Heavy Duty, Add	*15.30*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	176.01	11.93
	For Primed For Paint Finish, Deduct	*-22.80*	
	For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.25*	
	For Satin Brass Plated Clear Coated Finish, Deduct	*-13.68*	
	For Stainless Steel, Add	*62.71*	
	For Heavy Duty, Add	*17.10*	
	For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0046	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	198.34	14.11
		For Primed For Paint Finish, Deduct	*-25.20*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.75*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.12*	
		For Stainless Steel, Add	*69.31*	
		For Heavy Duty, Add	*18.90*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0047		Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*		
		Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	183.26	11.93
		For Primed For Paint Finish, Deduct	*-25.80*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*16.13*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.48*	
		For Stainless Steel, Add	*70.96*	
		For Heavy Duty, Add	*19.35*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	204.75	11.93
		For Primed For Paint Finish, Deduct	*-28.55*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.84*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-17.13*	
		For Stainless Steel, Add	*78.51*	
		For Heavy Duty, Add	*21.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	237.34	14.11
		For Primed For Paint Finish, Deduct	*-33.00*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.63*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.80*	
		For Stainless Steel, Add	*90.76*	
		For Heavy Duty, Add	*24.75*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0051		Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*		
		Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	147.64	11.93
		For Primed For Paint Finish, Deduct	*-17.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.71*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.28*	
		For Stainless Steel, Add	*47.10*	
		For Heavy Duty, Add	*12.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0053		Blank Butt Hinges *(08 71 11 00-0030)*		
08 71 11 00-0054	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	30.30	4.88
		For Primed For Paint Finish, Deduct	*-2.18*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.31*	
		For Stainless Steel, Add	*6.00*	
		For Heavy Duty, Add	*1.64*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0055		Full Mortise, Single Acting Spring, Wrought Steel Hinges *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	122.74	7.59
		For Primed For Paint Finish, Deduct	*-16.36*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.23*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-9.82*	
		For Stainless Steel, Add	*44.99*	
08 71 11 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	161.25	10.85
		For Primed For Paint Finish, Deduct	*-21.40*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.38*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.84*	
		For Stainless Steel, Add	*58.85*	
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	219.39	11.93
		For Primed For Paint Finish, Deduct	*-31.48*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*19.67*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-18.89*	
		For Stainless Steel, Add	*86.56*	
08 71 11 00-0059		Offset And Pivot Hinges *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0060		Offset Swing Clear Hinges *(08 71 11 00-0059)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	190.24	3.38
08 71 11 00-0062		Offset Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0063		3/4" Offset Pivot Hinges *(08 71 11 00-0062)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0064		3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0065		Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0066		200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0067	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	144.96	10.85
08 71 11 00-0068	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	195.39	10.85
08 71 11 00-0069	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	223.41	10.85
08 71 11 00-0070	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	223.41	10.85
08 71 11 00-0071	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	223.41	10.85
08 71 11 00-0072	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	223.41	10.85
08 71 11 00-0073	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	223.41	10.85
08 71 11 00-0074	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	159.53	10.85
08 71 11 00-0075	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	203.25	10.85
08 71 11 00-0076	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	232.37	10.85
08 71 11 00-0077	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	232.37	10.85
08 71 11 00-0078	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	232.37	10.85
08 71 11 00-0079	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	232.37	10.85
08 71 11 00-0080	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	232.37	10.85
08 71 11 00-0081	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	144.96	10.85
08 71 11 00-0082	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	195.39	10.85
08 71 11 00-0083	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	223.41	10.85
08 71 11 00-0084	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	223.41	10.85
08 71 11 00-0085	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	223.41	10.85
08 71 11 00-0086	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	223.41	10.85
08 71 11 00-0087	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	223.41	10.85
08 71 11 00-0088		500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0089	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	150.38	13.57
08 71 11 00-0090	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	200.81	13.57
08 71 11 00-0091	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	228.83	13.57
08 71 11 00-0092	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	228.83	13.57
08 71 11 00-0093	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	228.83	13.57
08 71 11 00-0094	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	228.83	13.57
08 71 11 00-0095	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	228.83	13.57
08 71 11 00-0096		600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0097	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	150.38	13.57
08 71 11 00-0098	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	200.81	13.57
08 71 11 00-0099	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	228.83	13.57
08 71 11 00-0100	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	228.83	13.57
08 71 11 00-0101	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	228.83	13.57
08 71 11 00-0102	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	228.83	13.57
08 71 11 00-0103	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	228.83	13.57
08 71 11 00-0104		700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0105	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	150.38	13.57
08 71 11 00-0106	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	200.81	13.57
08 71 11 00-0107	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	228.83	13.57
08 71 11 00-0108	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	228.83	13.57
08 71 11 00-0109	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	228.83	13.57
08 71 11 00-0110	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	228.83	13.57
08 71 11 00-0111	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	228.83	13.57
08 71 11 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0113		200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0114	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	180.82	10.85
08 71 11 00-0115	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	223.41	10.85
08 71 11 00-0116	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	253.66	10.85
08 71 11 00-0117	EA	Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	253.66	10.85
08 71 11 00-0118	EA	Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	253.66	10.85
08 71 11 00-0119	EA	Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	253.66	10.85
08 71 11 00-0120	EA	Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	253.66	10.85
08 71 11 00-0121		500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0122	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	200.81	13.57
08 71 11 00-0123	EA	Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	214.26	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0124	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	237.79	13.57
08 71 11 00-0125	EA	Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	237.79	13.57
08 71 11 00-0126	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	237.79	13.57
08 71 11 00-0127	EA	Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	237.79	13.57
08 71 11 00-0128	EA	Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	237.79	13.57
08 71 11 00-0129		600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0130	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	200.81	13.57
08 71 11 00-0131	EA	Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	214.26	13.57
08 71 11 00-0132	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	237.79	13.57
08 71 11 00-0133	EA	Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	237.79	13.57
08 71 11 00-0134	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	237.79	13.57
08 71 11 00-0135	EA	Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	237.79	13.57
08 71 11 00-0136	EA	Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	237.79	13.57
08 71 11 00-0137		700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0138	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	200.81	13.57
08 71 11 00-0139	EA	Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	214.26	13.57
08 71 11 00-0140	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	237.79	13.57
08 71 11 00-0141	EA	Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	237.79	13.57
08 71 11 00-0142	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	237.79	13.57
08 71 11 00-0143	EA	Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	237.79	13.57
08 71 11 00-0144	EA	Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	237.79	13.57
08 71 11 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0146		200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0147	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	159.53	10.85
08 71 11 00-0148	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	203.25	10.85
08 71 11 00-0149	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	232.37	10.85
08 71 11 00-0150	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	232.37	10.85
08 71 11 00-0151	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	232.37	10.85
08 71 11 00-0152	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	301.07	10.85
08 71 11 00-0153	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	232.37	10.85
08 71 11 00-0154	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	159.53	10.85
08 71 11 00-0155	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	203.25	10.85
08 71 11 00-0156	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	232.37	10.85
08 71 11 00-0157	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	232.37	10.85
08 71 11 00-0158	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	232.37	10.85
08 71 11 00-0159	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	232.37	10.85
08 71 11 00-0160	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	232.37	10.85
08 71 11 00-0161	EA	Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	138.24	10.85
08 71 11 00-0162	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	188.68	10.85
08 71 11 00-0163	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.80	10.85
08 71 11 00-0164	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.80	10.85
08 71 11 00-0165	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.80	10.85
08 71 11 00-0166	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.80	10.85
08 71 11 00-0167	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.80	10.85
08 71 11 00-0168		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0169	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	243.40	13.57
08 71 11 00-0170	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	259.08	13.57
08 71 11 00-0171	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	259.08	13.57
08 71 11 00-0172	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	259.08	13.57
08 71 11 00-0173	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	259.08	13.57
08 71 11 00-0174	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	259.08	13.57
08 71 11 00-0175	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	263.56	13.57
08 71 11 00-0176		600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0177	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	208.67	13.57
08 71 11 00-0178	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	228.83	13.57
08 71 11 00-0179	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	243.40	13.57
08 71 11 00-0180	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	243.40	13.57
08 71 11 00-0181	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	243.40	13.57
08 71 11 00-0182	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	243.40	13.57
08 71 11 00-0183	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	243.40	13.57
08 71 11 00-0184		700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0185	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	482.08	13.57
08 71 11 00-0186	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	517.94	13.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0187	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	575.10	13.57
08 71 11 00-0188	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	575.10	13.57
08 71 11 00-0189	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	575.10	13.57
08 71 11 00-0190	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	575.10	13.57
08 71 11 00-0191	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	575.10	13.57
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0194		500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0195	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	286.00	13.57
08 71 11 00-0196	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	338.64	13.57
08 71 11 00-0197	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	381.23	13.57
08 71 11 00-0198	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	381.23	13.57
08 71 11 00-0199	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	381.23	13.57
08 71 11 00-0200		600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0201	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	286.00	13.57
08 71 11 00-0202	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	338.64	13.57
08 71 11 00-0203	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	381.23	13.57
08 71 11 00-0204	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	381.23	13.57
08 71 11 00-0205	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	381.23	13.57
08 71 11 00-0206		700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0207	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	286.00	13.57
08 71 11 00-0208	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	338.64	13.57
08 71 11 00-0209	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	381.23	13.57
08 71 11 00-0210	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	381.23	13.57
08 71 11 00-0211	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	381.23	13.57
08 71 11 00-0212		1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0213	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	300.37	16.28
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	344.07	16.28
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	364.25	16.28
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	364.25	16.28
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	364.25	16.28
08 71 11 00-0218		1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0219	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	300.37	16.28
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	344.07	16.28
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	364.25	16.28
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	364.25	16.28
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	364.25	16.28
08 71 11 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0225		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0226	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	294.94	13.57
08 71 11 00-0227	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	344.25	13.57
08 71 11 00-0228	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	358.82	13.57
08 71 11 00-0229	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	358.82	13.57
08 71 11 00-0230	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	358.82	13.57
08 71 11 00-0231		600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0232	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	294.94	13.57
08 71 11 00-0233	EA	Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	344.25	13.57
08 71 11 00-0234	EA	Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	358.82	13.57
08 71 11 00-0235	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	358.82	13.57
08 71 11 00-0236	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	358.82	13.57
08 71 11 00-0237		700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0238	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	294.94	13.57
08 71 11 00-0239	EA	Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	344.25	13.57
08 71 11 00-0240	EA	Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	358.82	13.57
08 71 11 00-0241	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	358.82	13.57
08 71 11 00-0242	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	358.82	13.57
08 71 11 00-0243		1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0244	EA	Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	329.52	16.28
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	379.93	16.28
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	393.38	16.28
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	393.38	16.28
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	393.38	16.28
08 71 11 00-0249		1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0250	EA	Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	329.52	16.28
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	379.93	16.28
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	393.38	16.28
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	393.38	16.28
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	393.38	16.28
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0256		500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0257	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	329.70	13.57
08 71 11 00-0258	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	409.25	13.57
08 71 11 00-0259	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	439.50	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0260	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	439.50	13.57
08 71 11 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	439.50	13.57
08 71 11 00-0262		600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	324.09	13.57
08 71 11 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	344.25	13.57
08 71 11 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	395.81	13.57
08 71 11 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	395.81	13.57
08 71 11 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	395.81	13.57
08 71 11 00-0268		1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	372.09	16.28
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	414.68	16.28
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	430.36	16.28
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	430.36	16.28
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	430.36	16.28
08 71 11 00-0274		1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	530.10	16.28
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	565.96	16.28
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	580.53	16.28
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	580.53	16.28
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	580.53	16.28
08 71 11 00-0280		1-1/2" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0283		400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0284	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	338.64	13.57
08 71 11 00-0285	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	366.66	13.57
08 71 11 00-0286	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	387.95	13.57
08 71 11 00-0287	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	387.95	13.57
08 71 11 00-0288	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	387.95	13.57
08 71 11 00-0289		500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0290	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	338.64	13.57
08 71 11 00-0291	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	366.66	13.57
08 71 11 00-0292	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	387.95	13.57
08 71 11 00-0293	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	387.95	13.57
08 71 11 00-0294	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	387.95	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0296		400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0297	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	352.09	13.57
08 71 11 00-0298	EA	Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	395.81	13.57
08 71 11 00-0299	EA	Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	417.09	13.57
08 71 11 00-0300	EA	Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	417.09	13.57
08 71 11 00-0301	EA	Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	417.09	13.57
08 71 11 00-0302		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0303	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	352.09	13.57
08 71 11 00-0304	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	395.81	13.57
08 71 11 00-0305	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	417.09	13.57
08 71 11 00-0306	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	417.09	13.57
08 71 11 00-0307	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	417.09	13.57
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0309		400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0310	EA	Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	344.25	13.57
08 71 11 00-0311	EA	Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	395.81	13.57
08 71 11 00-0312	EA	Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	417.09	13.57
08 71 11 00-0313	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	417.09	13.57
08 71 11 00-0314	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	417.09	13.57
08 71 11 00-0315		500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0316	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	560.53	13.57
08 71 11 00-0317	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	618.80	13.57
08 71 11 00-0318	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	633.38	13.57
08 71 11 00-0319	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	633.38	13.57
08 71 11 00-0320	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	633.38	13.57
08 71 11 00-0321		Center Hung Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323		300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0324	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	174.10	10.85
08 71 11 00-0325	EA	Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	188.68	10.85
08 71 11 00-0326	EA	Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	188.68	10.85
08 71 11 00-0327	EA	Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	188.68	10.85
08 71 11 00-0328	EA	Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	188.68	10.85
08 71 11 00-0329	EA	Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	188.68	10.85
08 71 11 00-0330	EA	Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	188.68	10.85
08 71 11 00-0331		500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0332	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	179.52	13.57
08 71 11 00-0333	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	194.10	13.57
08 71 11 00-0334	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	194.10	13.57
08 71 11 00-0335	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	194.10	13.57
08 71 11 00-0336	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	194.10	13.57
08 71 11 00-0337	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	194.10	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0338	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	194.10	13.57
08 71 11 00-0339		**600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0340	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	179.52	13.57
08 71 11 00-0341	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	194.10	13.57
08 71 11 00-0342	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	194.10	13.57
08 71 11 00-0343	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	194.10	13.57
08 71 11 00-0344	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	194.10	13.57
08 71 11 00-0345	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	194.10	13.57
08 71 11 00-0346	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	194.10	13.57
08 71 11 00-0347		**1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0348	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	285.80	16.28
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	335.13	16.28
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	386.66	16.28
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	386.66	16.28
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	386.66	16.28
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	386.66	16.28
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	386.66	16.28
08 71 11 00-0355		**Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0321)*		
08 71 11 00-0356		**300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0357	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	131.51	10.85
08 71 11 00-0358	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	152.82	10.85
08 71 11 00-0359	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	174.10	10.85
08 71 11 00-0360	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	174.10	10.85
08 71 11 00-0361	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	174.10	10.85
08 71 11 00-0362	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	174.10	10.85
08 71 11 00-0363	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	174.10	10.85
08 71 11 00-0364		**500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0365	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	194.10	13.57
08 71 11 00-0366	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	200.81	13.57
08 71 11 00-0367	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	200.81	13.57
08 71 11 00-0368	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	200.81	13.57
08 71 11 00-0369	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	200.81	13.57
08 71 11 00-0370	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	200.81	13.57
08 71 11 00-0371	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	200.81	13.57
08 71 11 00-0372	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	194.10	13.57
08 71 11 00-0373	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	200.81	13.57
08 71 11 00-0374	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	200.81	13.57
08 71 11 00-0375	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	200.81	13.57
08 71 11 00-0376	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	200.81	13.57
08 71 11 00-0377	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	200.81	13.57
08 71 11 00-0378	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	200.81	13.57
08 71 11 00-0379		**600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0380	EA	Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	395.81	13.57
08 71 11 00-0381	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	417.09	13.57
08 71 11 00-0382	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	439.50	13.57
08 71 11 00-0383	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	439.50	13.57
08 71 11 00-0384	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	439.50	13.57
08 71 11 00-0385	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	439.50	13.57
08 71 11 00-0386	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	439.50	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0387		**1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0388	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	731.81	16.28
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	753.10	16.28
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	782.24	16.28
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	782.24	16.28
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	782.24	16.28
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	782.24	16.28
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	782.24	16.28
08 71 11 00-0395		**Continuous Barrel-Type Hinge** *(08 71 11 00-0001)*		
08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	29.18	4.34
		For Stainless Steel, Add	*6.50*	
		For Brass Or Nickel, Add	*7.09*	
		For Aluminum, Add	*2.32*	
		For Medium Gauge, Deduct	*-2.36*	
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	29.97	4.34
		For Stainless Steel, Add	*6.94*	
		For Brass Or Nickel, Add	*7.57*	
		For Aluminum, Add	*2.47*	
		For Medium Gauge, Deduct	*-2.52*	
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	31.54	4.34
		For Stainless Steel, Add	*7.80*	
		For Brass Or Nickel, Add	*8.51*	
		For Aluminum, Add	*2.78*	
		For Medium Gauge, Deduct	*-2.84*	
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	33.33	4.34
		For Stainless Steel, Add	*8.78*	
		For Brass Or Nickel, Add	*9.58*	
		For Aluminum, Add	*3.13*	
		For Medium Gauge, Deduct	*-3.19*	
08 71 11 00-0400		**Continuous Geared Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	60.15	4.34
		For Bronze Finish, Add	*16.05*	
		For Heavy Duty, Add	*11.43*	
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	65.15	4.34
		For Bronze Finish, Add	*17.92*	
		For Heavy Duty, Add	*12.77*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	40.08	4.34
		For Bronze Finish, Add	*8.52*	
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)	47.33	4.34
		For Bronze Finish, Add	*11.24*	
08 71 11 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	175.45	7.59
		For Satin Brass, Add	*32.99*	
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	186.35	9.77
		For Satin Brass, Add	*33.00*	
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	204.70	11.93
		For Satin Brass, Add	*34.81*	
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	271.17	14.11
		For Satin Brass, Add	*48.15*	
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	302.36	16.28
		For Satin Brass, Add	*53.04*	
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	365.95	18.44
		For Satin Brass, Add	*65.70*	
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	505.68	51.54
		For Satin Brass, Add	*96.62*	
08 71 11 00-0413		**Security Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	41.12	7.59
08 71 11 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 11 00-0001)*		
		Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	306.58	
08 71 11 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	361.97	
08 71 11 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	417.36	
08 71 11 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0420	PR	Hinge Filler Plates For Door Frames	20.88	5.43
08 71 11 00-0421		**Door Trim** *(08 71 11)*		
08 71 11 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0423		**Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0424		**Aluminum Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	30.90	13.57
08 71 11 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	34.65	13.57
08 71 11 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	36.08	13.57
08 71 11 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	57.87	13.57
08 71 11 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	60.47	13.57
08 71 11 00-0430		**Brass Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	35.17	13.57
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	36.61	13.57
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	36.61	13.57
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	37.16	13.57
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	37.90	13.57
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	37.90	13.57
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	37.90	13.57
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	36.08	13.57
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	38.25	13.57
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	38.25	13.57
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	39.10	13.57
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	39.83	13.57
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	39.83	13.57
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	43.25	13.57
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	38.39	13.57
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	38.39	13.57
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	40.76	13.57
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	40.76	13.57
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	40.76	13.57
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	40.76	13.57
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	40.03	13.57
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	40.03	13.57
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	42.35	13.57
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	42.35	13.57
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	42.35	13.57
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	42.35	13.57
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	59.97	13.57
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	61.00	13.57
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	63.49	13.57
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	65.51	13.57
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	65.51	13.57
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	73.74	13.57
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	73.74	13.57
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	70.69	13.57
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	72.15	13.57
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	72.15	13.57
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	72.15	13.57
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	72.15	13.57
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	83.43	13.57
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	83.43	13.57
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	47.70	13.57
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	49.58	13.57
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	53.82	13.57
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	53.82	13.57
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	53.82	13.57
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	55.08	13.57
08 71 11 00-0477	EA	2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H)	75.11	13.57
08 71 11 00-0478		**Steel Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0479	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	40.38	13.57
08 71 11 00-0480	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	110.13	13.57
08 71 11 00-0481	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	116.08	13.57
08 71 11 00-0482		**Wall Stops** *(08 71 11 00-0422)*		
08 71 11 00-0483		**Aluminum Wall Stops** *(08 71 11 00-0482)*		
08 71 11 00-0484	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	16.03	5.43
08 71 11 00-0485	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	23.31	8.14

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0486			**Brass Wall Stops** *(08 71 11 00-0482)*		
	08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	28.80	5.43
	08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	28.80	5.43
	08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	28.80	5.43
	08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	34.36	5.43
	08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	34.89	5.43
	08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	34.89	5.43
	08 71 11 00-0493	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	34.89	5.43
	08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	82.63	8.14
	08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	84.59	8.14
	08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	84.59	8.14
	08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	84.59	8.14
	08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	84.59	8.14
	08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	84.59	8.14
	08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	68.81	8.14
	08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	79.41	8.14
	08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	79.41	8.14
	08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	79.41	8.14
	08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	79.41	8.14
	08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	81.93	8.14
	08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	81.93	8.14
	08 71 11 00-0507	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	134.28	8.14
08 71 11 00-0508			**Steel Wall Stops** *(08 71 11 00-0482)*		
	08 71 11 00-0509	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	11.93	5.43
08 71 11 00-0510			**Hinge Pin Door Stops** *(08 71 11 00-0422)*		
08 71 11 00-0511			**Aluminum Hinge Pin Door Stops** *(08 71 11 00-0510)*		
	08 71 11 00-0512	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	24.92	10.85
08 71 11 00-0513			**Brass Hinge Pin Door Stops** *(08 71 11 00-0510)*		
	08 71 11 00-0514	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	25.54	10.85
	08 71 11 00-0515	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	29.40	10.85
	08 71 11 00-0516	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	38.71	10.85
	08 71 11 00-0517	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	38.71	10.85
	08 71 11 00-0518	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	38.71	10.85
	08 71 11 00-0519	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	43.08	10.85
	08 71 11 00-0520	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	43.08	10.85
	08 71 11 00-0521	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	43.08	10.85
	08 71 11 00-0522	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	43.08	10.85
08 71 11 00-0523			**Wall Bumpers** *(08 71 11 00-0422)*		
08 71 11 00-0524			**Brass Wall Bumpers** *(08 71 11 00-0523)*		
	08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.21	13.57
	08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.21	13.57
	08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.21	13.57
	08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.74	13.57
	08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.74	13.57
	08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.74	13.57
	08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	33.74	13.57
	08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	51.66	13.57
	08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	56.52	13.57
	08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	56.52	13.57
	08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	56.52	13.57
	08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	56.52	13.57
	08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	56.52	13.57
	08 71 11 00-0538	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	57.60	13.57
08 71 11 00-0539			**Rubber Wall Bumpers** *(08 71 11 00-0523)*		
	08 71 11 00-0540	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	31.28	13.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0541		**Cast Wall Bumpers** *(08 71 11 00-0523)*		
08 71 11 00-0542	EA	2-1/8" Base Diameter, Concave, Prison Version, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CVPV)	55.51	14.11
		For Owner Furnished Material, Deduct	*-28.39*	
08 71 11 00-0543	EA	2-1/8" Base Diameter, Concave, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CV)	44.42	14.11
		For Owner Furnished Material, Deduct	*-17.30*	
08 71 11 00-0544	EA	2-1/8" Base Diameter, Convex, Satin Chrome Finish, Cast Décor, Wall Bumper (Trimco 1278CX)	48.66	14.11
		For Owner Furnished Material, Deduct	*-21.54*	
08 71 11 00-0545		**Holders** *(08 71 11 00-0421)*		
08 71 11 00-0546		**Plunger Type Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0547		**Aluminum Plunger Type Door Holders** *(08 71 11 00-0546)*		
08 71 11 00-0548	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	87.46	8.14
08 71 11 00-0549		**Brass Plunger Type Door Holders** *(08 71 11 00-0546)*		
08 71 11 00-0550	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0551	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0552	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0553	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0554	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0555	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0556	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	144.68	8.14
08 71 11 00-0557		**Kick Down Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0558		**Aluminum Kick Down Door Holders** *(08 71 11 00-0557)*		
08 71 11 00-0559	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	27.90	8.14
08 71 11 00-0560		**Brass Kick Down Door Holders** *(08 71 11 00-0557)*		
08 71 11 00-0561	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	63.48	8.14
08 71 11 00-0562	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	63.48	8.14
08 71 11 00-0563	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	63.48	8.14
08 71 11 00-0564	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	72.76	8.14
08 71 11 00-0565	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	72.76	8.14
08 71 11 00-0566	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	72.76	8.14
08 71 11 00-0567	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	75.11	8.14
08 71 11 00-0568		**Steel Kick Down Door Holders** *(08 71 11 00-0557)*		
08 71 11 00-0569	EA	Steel Kick Down Door Holder (Ives FS544)	35.08	8.14
08 71 11 00-0570		**Floor Mounted Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0571		**Brass Floor Mounted Door Holders** *(08 71 11 00-0570)*		
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	124.17	16.28
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	124.17	16.28
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0574	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	155.00	16.28
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0575	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	155.00	16.28
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0576	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	155.00	16.28
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0577	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	155.00	16.28
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0578	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491)	118.96	16.28
		Note: Includes FH MS / plastic anchors.		
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0579	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R)	123.44	16.28
		Note: Includes FH MS / lead anchors.		
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0580	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S)	130.88	16.28
		Note: Includes FH MS / lead anchors and bolts.		
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0581		**Wall Mounted Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0582		**Aluminum Wall Mounted Door Holders** *(08 71 11 00-0581)*		
08 71 11 00-0583	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	111.68	9.50
08 71 11 00-0584	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	163.11	16.28
08 71 11 00-0585		**Brass Wall Mounted Door Holders** *(08 71 11 00-0581)*		
08 71 11 00-0586	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	102.34	9.50
08 71 11 00-0587	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	119.06	9.50
08 71 11 00-0588	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	119.06	9.50
08 71 11 00-0589	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	119.06	9.50
08 71 11 00-0590	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	119.06	9.50
08 71 11 00-0591	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	119.06	9.50
08 71 11 00-0592	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	122.99	9.50
08 71 11 00-0593	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	116.34	9.50
08 71 11 00-0594	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.15	9.50
08 71 11 00-0595	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.15	9.50
08 71 11 00-0596	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.15	9.50
08 71 11 00-0597	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.15	9.50
08 71 11 00-0598	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.15	9.50
08 71 11 00-0599	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	185.87	16.28
08 71 11 00-0600	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	196.11	16.28
08 71 11 00-0601	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	196.11	16.28
08 71 11 00-0602	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	196.11	16.28
08 71 11 00-0603	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	196.11	16.28
08 71 11 00-0604	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	196.11	16.28
08 71 11 00-0605	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494)	110.51	9.50
08 71 11 00-0606	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R)	114.99	9.50
		Note: Includes FH MS / lead anchors.		
08 71 11 00-0607	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S)	122.43	9.50
		Note: Includes FH MS / lead anchors and bolts.		
08 71 11 00-0608		**Overhead Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0609		**Surface Mounted, Overhead Door Holders** *(08 71 11 00-0608)*		
08 71 11 00-0610	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	575.82	27.12
		For Hold Open, Add	*67.43*	
08 71 11 00-0611	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	661.91	27.12
		For Hold Open, Add	*79.85*	
08 71 11 00-0612	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	661.91	27.12
		For Hold Open, Add	*79.85*	
08 71 11 00-0613	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	661.91	27.12
		For Hold Open, Add	*79.85*	
08 71 11 00-0614	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	658.98	27.12
		For Hold Open, Add	*79.43*	
08 71 11 00-0615		**Heavy Duty, Surface Mounted, Overhead Door Holders** *(08 71 11 00-0608)*		
		Note: With or without hold open feature.		
08 71 11 00-0616	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	445.82	27.12
08 71 11 00-0617	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	651.37	27.12
08 71 11 00-0618	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	740.97	27.12
08 71 11 00-0619	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	740.97	27.12
08 71 11 00-0620	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	740.97	27.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0621		**Concealed Mounted, Overhead Door Holders** *(08 71 11 00-0608)* Note: With or without hold open feature.		
08 71 11 00-0622	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	629.70	27.12
08 71 11 00-0623	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	629.70	27.12
08 71 11 00-0624	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	664.84	27.12
08 71 11 00-0625	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	694.71	27.12
08 71 11 00-0626	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	694.71	27.12
08 71 11 00-0627		**Silencers** *(08 71 11 00-0421)*		
08 71 11 00-0628	EA	Replacement Of Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	1.67	
08 71 11 00-0629	EA	Replacement Of Door Silencers for Metal Frames (Trimco 1229A)	1.68	
		For Owner Furnished Material, Deduct	*-0.32*	
08 71 11 00-0630	EA	Replacement Of Door Silencers for Wood Frames (Trimco 1229B)	1.68	
		For Owner Furnished Material, Deduct	*-0.32*	
08 71 11 00-0631		**Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0632		**Brass Surface Bolts** *(08 71 11 00-0631)*		
08 71 11 00-0633	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	189.45	13.57
08 71 11 00-0634	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	202.98	13.57
08 71 11 00-0635	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	202.98	13.57
08 71 11 00-0636		**Steel Surface Bolts** *(08 71 11 00-0631)*		
08 71 11 00-0637	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	84.63	13.57
08 71 11 00-0638	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	84.63	13.57
08 71 11 00-0639	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	84.63	13.57
08 71 11 00-0640	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	96.46	13.57
08 71 11 00-0641	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	98.16	13.57
08 71 11 00-0642	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	101.52	13.57
08 71 11 00-0643	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	99.82	13.57
08 71 11 00-0644	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	104.92	13.57
08 71 11 00-0645	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	111.68	13.57
08 71 11 00-0646	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	116.75	13.57
08 71 11 00-0647	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	184.39	13.57
08 71 11 00-0648		**Door Viewer** *(08 71 11 00-0421)*		
08 71 11 00-0649		**Brass Door Viewer** *(08 71 11 00-0648)*		
08 71 11 00-0650	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	43.25	13.57
08 71 11 00-0651	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	43.25	13.57
08 71 11 00-0652	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	43.25	13.57
08 71 11 00-0653	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	50.81	13.57
08 71 11 00-0654	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	50.81	13.57
08 71 11 00-0655	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	50.81	13.57
08 71 11 00-0656	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	60.12	13.57
08 71 11 00-0657	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	60.12	13.57
08 71 11 00-0658		**Door Knockers** *(08 71 11 00-0421)*		
08 71 11 00-0659		**Brass Door Knockers** *(08 71 11 00-0658)*		
08 71 11 00-0660	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	66.56	13.57
08 71 11 00-0661	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	73.74	13.57
08 71 11 00-0662	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	73.74	13.57
08 71 11 00-0663	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	73.74	13.57
08 71 11 00-0664	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	100.97	13.57
08 71 11 00-0665	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	118.27	13.57
08 71 11 00-0666		**Hasps** *(08 71 11 00-0421)*		
08 71 11 00-0667	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	30.26	10.23
08 71 11 00-0668	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	32.27	10.85
08 71 11 00-0669	EA	6", Zinc Plated Finish, Steel Hasp Assembly	41.57	12.21
08 71 11 00-0670	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	178.05	14.64
08 71 11 00-0671		**Flush Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0672		**Flush Bolts For Metal Doors** *(08 71 11 00-0671)*		
08 71 11 00-0673		**Brass Flush Bolts For Metal Doors** *(08 71 11 00-0672)*		
08 71 11 00-0674		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0673)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0675	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	64.34	13.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0676		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0673)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0677	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	135.06	13.57
08 71 11 00-0678	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	135.06	13.57
08 71 11 00-0679	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	235.16	21.70
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	242.53	18.98
08 71 11 00-0681	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	252.01	20.34
08 71 11 00-0682		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0673)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0683	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	160.55	13.57
08 71 11 00-0684	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	299.08	21.70
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	293.66	18.98
08 71 11 00-0686	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	304.83	20.34
08 71 11 00-0687		**Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0672)*		
08 71 11 00-0688		**Automatic, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0687)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0689	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	135.06	13.57
08 71 11 00-0690	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	135.06	13.57
08 71 11 00-0691	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	235.16	21.70
08 71 11 00-0692	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	242.53	18.98
08 71 11 00-0693	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	252.01	20.34
08 71 11 00-0694		**Constant Latching, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0687)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0695	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	160.55	13.57
08 71 11 00-0696	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	299.08	21.70
08 71 11 00-0697	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	293.66	18.98
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	304.83	20.34
08 71 11 00-0699		**Flush Bolts For Wood Doors** *(08 71 11 00-0671)*		
08 71 11 00-0700		**Brass Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
08 71 11 00-0701		**Manual, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0700)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0702	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	76.99	13.57
08 71 11 00-0703		**Automatic, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0700)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0704	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	168.64	13.57
08 71 11 00-0705	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	168.64	13.57
08 71 11 00-0706	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	313.28	21.70
08 71 11 00-0707	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	307.86	18.98
08 71 11 00-0708		**Constant Latching, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0700)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0709	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	167.32	13.57
08 71 11 00-0710	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	313.28	21.70
08 71 11 00-0711	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	307.86	18.98
08 71 11 00-0712		**Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
08 71 11 00-0713		**Automatic, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0712)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0714	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	168.64	13.57
08 71 11 00-0715	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	168.64	13.57
08 71 11 00-0716	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	313.28	21.70
08 71 11 00-0717	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	307.86	18.98
08 71 11 00-0718		**Constant Latching, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0712)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0719	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	167.32	13.57
08 71 11 00-0720	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	313.28	21.70
08 71 11 00-0721	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	307.86	18.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0722		**Dust Proof Strikes** *(08 71 11 00-0671)*		
08 71 11 00-0723	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	57.89	10.85
08 71 11 00-0724	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	57.89	10.85
08 71 11 00-0725	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	57.89	10.85
08 71 11 00-0726	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	57.89	10.85
08 71 11 00-0727	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	57.89	10.85
08 71 11 00-0728	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	67.35	10.85
08 71 11 00-0729	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	67.35	10.85
08 71 11 00-0730	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	67.35	10.85
08 71 11 00-0731	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	67.35	10.85
08 71 11 00-0732	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	67.35	10.85
08 71 11 00-0733		**Roller Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0734		**Brass Roller Bumpers** *(08 71 11 00-0733)*		
08 71 11 00-0735	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	61.67	8.14
08 71 11 00-0736	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	72.97	8.14
08 71 11 00-0737	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	72.97	8.14
08 71 11 00-0738	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	59.12	8.14
08 71 11 00-0739	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	67.73	8.14
08 71 11 00-0740	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	67.73	8.14
08 71 11 00-0741	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	67.73	8.14
08 71 11 00-0742	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	61.84	8.14
08 71 11 00-0743	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	67.93	8.14
08 71 11 00-0744	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.80	8.14
08 71 11 00-0745	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.80	8.14
08 71 11 00-0746	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.80	8.14
08 71 11 00-0747	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.80	8.14
08 71 11 00-0748	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.80	8.14
08 71 11 00-0749		**Other Door Trim** *(08 71 11 00-0421)*		
08 71 11 00-0750		**Coat And Hat Hooks** *(08 71 11 00-0749)*		
08 71 11 00-0751		**Aluminum Coat And Hat Hooks** *(08 71 11 00-0750)*		
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	19.27	8.14
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	19.27	8.14
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	19.48	8.14
08 71 11 00-0755	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	19.13	8.14
08 71 11 00-0756	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	19.13	8.14
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	19.13	8.14
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	19.48	8.14
08 71 11 00-0759	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	20.53	8.14
08 71 11 00-0760	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	20.53	8.14
08 71 11 00-0761	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	20.53	8.14
08 71 11 00-0762	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	20.53	8.14
08 71 11 00-0763	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	20.53	8.14
08 71 11 00-0764		**Brass Coat And Hat Hooks** *(08 71 11 00-0750)*		
08 71 11 00-0765	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	25.01	8.14
08 71 11 00-0766	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	25.57	8.14
08 71 11 00-0767	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	26.45	8.14
08 71 11 00-0768	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	26.45	8.14
08 71 11 00-0769	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	27.00	8.14
08 71 11 00-0770	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	28.79	8.14
08 71 11 00-0771	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	31.31	8.14
08 71 11 00-0772	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	31.31	8.14
08 71 11 00-0773	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	31.31	8.14
08 71 11 00-0774	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	31.86	8.14
08 71 11 00-0775		**Cane Bolt** *(08 71 11 00-0749)*		
08 71 11 00-0776	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	33.73	10.85
08 71 11 00-0777		**Door Plates And Pulls** *(08 71 11)*		
08 71 11 00-0778		**Kick Plate** *(08 71 11 00-0777)*		
		Note: Ives 8400.		
08 71 11 00-0779		**Aluminum Base Material Kick Plate** *(08 71 11 00-0778)*		
08 71 11 00-0780		**Satin Aluminum Finish, Aluminum Kick Plate** *(08 71 11 00-0779)*		
08 71 11 00-0781	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.53	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0782	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.11	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0783	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.63	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0784	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.18	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.93	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.42	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.97	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.52	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0789	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.24	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.79	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0791	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.31	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.06	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0793	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.61	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.13	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0795	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.57	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.76	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.90	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.09	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.45	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.62	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.81	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.98	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.34	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.51	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.70	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.06	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.20	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.39	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.57	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.35	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0811	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.22	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.97	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.98	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.79	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.60	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.44	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.41	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.22	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.06	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.04	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.85	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.69	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.69	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.14	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.65	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.11	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.70	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.15	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.61	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.06	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.69	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.11	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.57	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.19	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.67	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.13	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.72	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.79	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0839	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.92	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.98	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.15	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.35	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.45	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.52	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.76	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.89	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.96	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.20	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0849	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	158.30	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.42	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.74	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.83	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.93	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.02	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.26	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.35	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.45	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.54	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.81	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.90	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.00	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.26	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.36	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.45	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.35	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.12	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0867	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.89	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.66	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.59	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.36	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.13	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.90	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.84	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.61	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.38	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	192.32	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	199.09	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	205.86	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.79	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.23	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	133.68	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.12	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.76	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	158.21	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	165.65	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	173.09	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	182.70	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.15	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.59	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	207.20	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	214.65	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0892	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	222.09	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0893	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.23	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0894	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.35	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0895	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.50	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.61	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.90	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.02	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.14	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	185.28	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	195.57	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	203.69	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	211.80	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	222.09	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	230.24	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	238.35	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907		Brass Base Material Kick Plate *(08 71 11 00-0778)*		
08 71 11 00-0908		Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0907)*		
08 71 11 00-0909	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.58	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	134.02	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	142.50	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	150.95	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	161.56	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	170.07	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	178.52	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	186.96	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.58	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	206.02	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	214.47	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	225.09	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	233.59	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	242.04	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0923	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	148.86	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.39	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	169.99	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.55	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.26	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	203.85	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	214.45	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	225.01	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	237.72	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	248.32	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.91	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.62	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	282.21	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	292.78	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	172.05	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	184.79	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.45	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	210.13	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	225.01	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	237.70	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	250.38	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	263.04	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	277.95	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	290.61	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	303.29	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	318.14	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	330.80	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	343.54	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0951	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.53	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	212.30	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	227.10	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.94	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.91	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	273.71	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	288.49	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	303.29	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	320.26	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	335.07	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	349.84	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	366.81	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	381.65	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	396.45	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.84	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	302.18	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	324.46	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	346.71	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	371.16	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	393.46	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	415.77	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	437.99	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	462.50	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	484.81	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	507.09	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	531.50	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	553.78	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	576.09	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0979	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	310.01	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	335.02	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	360.01	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	385.08	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	412.27	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	437.26	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	462.33	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	487.32	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	514.56	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	539.58	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	564.56	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	591.81	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	616.79	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	641.81	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	342.76	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	370.54	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	398.38	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	426.13	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	456.14	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	483.95	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	511.74	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	539.58	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	569.50	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	597.34	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	625.15	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	655.10	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	682.94	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	710.70	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1007	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	373.36	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	403.91	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	434.49	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	465.10	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	497.84	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	528.45	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	559.03	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	589.64	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	622.35	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	652.93	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	683.54	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	716.29	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	746.89	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1020	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	777.41	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1021	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	403.91	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	437.26	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	470.66	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	504.03	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	539.58	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	572.92	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	606.29	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	641.49	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	675.18	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	708.53	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	741.90	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	777.41	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	810.85	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	844.19	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1035		Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-0907)*		
08 71 11 00-1036	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	135.44	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	144.80	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	154.15	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	163.51	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	175.03	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	184.36	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	193.72	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	203.07	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	214.60	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	223.99	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	233.34	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	244.87	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	254.22	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	263.58	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	161.18	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	172.86	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	184.55	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	196.24	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	210.13	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	221.82	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	233.50	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	245.19	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	259.05	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	270.74	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	282.43	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	296.28	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	307.97	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	319.66	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1064	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	186.88	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	200.90	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	214.98	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.00	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	245.19	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	259.24	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	273.26	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	287.28	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	303.47	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	317.49	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	331.54	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	347.73	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	361.81	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	375.83	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	214.76	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	231.17	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	247.55	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	263.90	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	282.43	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	298.81	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	315.16	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	331.54	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.12	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	366.47	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	382.82	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	371.86	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	417.72	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	434.10	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1092	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	309.09	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	334.06	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	359.00	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	383.94	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	411.05	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	435.99	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	460.96	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	485.90	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	513.01	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	537.95	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	562.89	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	590.00	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	614.94	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	639.88	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	342.50	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	370.51	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	398.46	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	426.47	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	456.59	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	484.57	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	512.55	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	540.53	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	570.65	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	598.66	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	626.67	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	656.79	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	684.80	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	712.76	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1120	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	378.85	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	409.99	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	441.04	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	472.18	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	505.40	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	536.48	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	567.59	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	598.66	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	631.97	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	663.02	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	694.10	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	727.38	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	758.46	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	789.57	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	413.06	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	447.30	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	481.47	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	515.65	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	552.06	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	586.24	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	620.45	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	654.62	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	691.03	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	725.21	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	759.42	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	795.77	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	829.95	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1147	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	864.18	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1148	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	447.30	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1149	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	484.57	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	521.88	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	559.19	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	598.66	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	635.97	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	673.34	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	710.59	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	750.06	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	787.40	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	824.71	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	864.18	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	901.49	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	938.80	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162		Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0907)*		
08 71 11 00-1163	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	136.96	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	146.40	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	155.94	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	165.38	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	177.09	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	186.56	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	196.07	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	205.54	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.16	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	226.69	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	236.17	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	247.84	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	257.32	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1176	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.82	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	163.03	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	174.92	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	186.75	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	198.61	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.64	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	224.52	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	236.35	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	248.21	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	262.27	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	274.13	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	285.96	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	300.05	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	311.88	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.74	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.13	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	203.37	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.59	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.83	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	248.21	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	262.48	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	276.73	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	290.94	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	307.35	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	321.57	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	335.78	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	352.19	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	366.46	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1204	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	380.68	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.37	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	234.00	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	250.60	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	267.19	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	285.96	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	302.59	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	319.18	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	335.78	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	354.58	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	371.17	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	387.77	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	406.57	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	423.22	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	439.82	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	308.27	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	333.17	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	358.03	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	382.90	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	409.94	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	434.80	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	459.70	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	484.56	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	511.60	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	536.46	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	561.33	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	588.37	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	613.23	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1232	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	638.10	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	341.58	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	369.51	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	397.38	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	425.30	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	455.34	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	483.24	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	511.14	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	539.03	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	569.07	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	597.00	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	624.92	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	654.96	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	682.89	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	710.75	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.83	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	408.88	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	439.83	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	470.88	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	504.01	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	534.99	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	566.01	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	597.00	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	630.21	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	661.17	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	692.16	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	725.34	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	756.33	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1260	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	787.34	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	411.94	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	446.07	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	480.15	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	514.23	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	550.53	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	584.61	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	618.71	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	652.79	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	689.09	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	723.17	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	757.28	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	793.52	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	827.60	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1274	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	861.74	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1275	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	446.07	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	483.24	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	520.43	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	557.63	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	597.00	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	634.19	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	671.45	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	708.58	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	747.95	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	785.17	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	822.37	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	861.74	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	898.93	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1288	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	936.13	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289		Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-0907)*		
08 71 11 00-1290	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	139.26	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	148.92	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	158.66	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	168.32	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	180.23	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	189.92	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	199.63	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	209.32	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	221.14	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	230.89	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	240.57	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	252.46	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	262.14	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	271.86	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	165.91	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	178.06	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, StainlessKick Plate	190.15	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	202.27	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	216.57	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	228.72	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	240.81	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	252.93	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	267.25	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	279.37	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	291.46	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	305.81	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1316	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	317.90	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	330.02	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	192.59	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	207.15	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	221.67	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.23	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	252.93	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	267.52	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	282.07	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	296.60	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	313.33	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	327.85	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	342.38	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	359.11	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	373.70	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	388.22	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	221.41	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	238.40	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	255.36	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	272.33	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	291.46	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	308.46	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	325.42	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	342.38	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.55	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	378.51	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	395.47	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	414.64	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1344	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	431.66	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	448.62	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	314.32	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	339.76	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	365.18	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	390.59	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	418.18	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	443.59	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	469.04	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	494.45	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	522.04	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	547.45	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	572.87	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	600.45	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	625.87	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	651.28	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.36	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	376.91	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	405.39	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	433.93	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.58	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	493.10	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	521.61	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	550.12	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	580.78	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	609.32	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.86	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	668.52	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1372	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	697.06	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	725.54	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	385.36	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	417.09	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	448.73	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	480.47	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	514.28	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	545.95	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	577.65	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	609.32	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	643.22	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	674.86	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	706.53	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	740.40	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	772.08	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	803.78	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	420.22	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	455.11	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	489.94	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	524.77	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	561.83	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	596.66	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	631.52	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	666.35	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	703.41	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	738.23	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	773.09	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	810.09	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1400	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	844.92	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	879.81	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1402	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	455.11	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1403	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	493.10	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	531.12	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	569.13	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	609.32	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	647.34	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	685.41	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	723.37	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	763.56	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	801.61	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	839.62	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	879.81	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	917.83	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	955.85	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1416 Stainless Base Material Kick Plate *(08 71 11 00-0778)*

08 71 11 00-1417 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1416)*

08 71 11 00-1418	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.54	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.48	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.34	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.32	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.38	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.24	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.22	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.10	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.19	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.11	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1428	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.00	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.09	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.01	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.90	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.54	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.21	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.85	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.46	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.30	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.94	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.55	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.16	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.03	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.65	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.26	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.10	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.74	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.35	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.57	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.93	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.30	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.66	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.16	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.56	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.89	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.28	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.79	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.18	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1456	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.57	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.07	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.47	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	143.80	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.75	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.83	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.94	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.03	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.26	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.37	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.46	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.57	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.85	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.88	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.00	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.28	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.37	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	163.48	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.94	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.44	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.68	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.89	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.28	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.52	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.76	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.97	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.35	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	163.62	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1484	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.86	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.77	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	184.46	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.70	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.05	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.92	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.74	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.59	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.64	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.46	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.30	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.12	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.17	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.02	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.84	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	191.88	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	198.76	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	205.58	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.60	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.19	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.82	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	143.39	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.19	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.82	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	168.39	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.02	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	185.79	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.41	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1512	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	201.04	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	210.78	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.41	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	226.01	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.95	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.35	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	145.68	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.08	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.58	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	172.98	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	181.33	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	189.71	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.23	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	208.61	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	217.02	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.51	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	235.92	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1529	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	244.24	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1530	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.35	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.46	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.62	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.72	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.02	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	185.15	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	194.28	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	203.41	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	214.71	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	223.84	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1540	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	232.97	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	244.24	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	253.40	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.56	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544		**Bright Stainless Finish, Stainless Kick Plate** *(08 71 11 00-1416)*		
08 71 11 00-1545	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.88	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	114.76	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.59	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	128.44	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	137.43	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	144.31	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	151.13	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.01	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.97	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.85	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.74	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.73	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	196.58	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.40	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.72	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.26	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	143.85	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	152.42	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.12	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	171.68	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.28	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.84	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.55	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1568	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.11	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.70	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.38	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.97	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	244.54	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.54	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.84	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.12	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.40	8.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.84	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.06	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.37	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	219.64	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.09	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	242.37	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.61	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.09	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	275.34	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	285.61	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.58	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.57	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	190.56	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.54	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.70	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	228.66	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	240.65	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.61	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	266.80	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1596	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	278.79	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	290.78	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	304.94	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	316.87	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	328.86	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.39	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.06	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.82	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.49	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	242.37	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.07	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.74	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	283.44	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	299.32	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	312.99	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	326.69	9.77
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	342.56	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	356.30	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	370.00	10.30
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	206.24	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	221.89	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	237.42	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	253.07	8.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	270.83	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.37	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	302.02	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	326.47	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	335.37	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1624	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	350.97	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	366.56	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	384.32	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	399.91	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	415.51	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.51	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	244.82	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.15	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	279.46	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	298.96	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	316.33	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.60	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	350.97	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	370.41	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	387.78	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	405.11	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	424.59	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	441.92	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	459.23	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.56	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.61	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	284.66	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.70	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	324.95	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	344.03	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.10	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	382.15	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	403.37	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1652	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	422.42	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	441.46	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	462.68	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	481.79	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1656	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	500.84	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1657	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.61	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1658	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.37	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1659	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	307.19	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1660	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	327.98	9.23
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1661	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	350.97	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1662	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.73	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1663	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	392.52	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1664	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	413.34	9.77
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1665	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	436.30	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1666	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	457.06	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1667	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	477.88	10.30
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1668	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	500.84	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1669	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	521.65	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1670	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	542.41	10.85
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1671 Plastic Kick Plate *(08 71 11 00-0778)*

08 71 11 00-1672 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1671)*

Note: With four beveled edges.

08 71 11 00-1673	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.28	8.14
08 71 11 00-1674	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.40	8.14
08 71 11 00-1675	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.60	8.14
08 71 11 00-1676	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.75	8.14
08 71 11 00-1677	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.09	8.68
08 71 11 00-1678	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.24	8.68
08 71 11 00-1679	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.36	8.68
08 71 11 00-1680	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.56	8.68
08 71 11 00-1681	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.49	9.23
08 71 11 00-1682	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.00	9.23
08 71 11 00-1683	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.20	9.23
08 71 11 00-1684	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.51	9.77
08 71 11 00-1685	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.69	9.77
08 71 11 00-1686	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.84	9.77
08 71 11 00-1687	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.20	8.14
08 71 11 00-1688	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.92	8.14
08 71 11 00-1689	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.59	8.14
08 71 11 00-1690	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.26	8.14
08 71 11 00-1691	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.16	8.68
08 71 11 00-1692	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.83	8.68
08 71 11 00-1693	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.55	8.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1694	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.22	8.68
08 71 11 00-1695	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.12	9.23
08 71 11 00-1696	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.79	9.23
08 71 11 00-1697	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.51	9.23
08 71 11 00-1698	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.35	9.77
08 71 11 00-1699	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.08	9.77
08 71 11 00-1700	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.75	9.77
08 71 11 00-1701	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.14	8.14
08 71 11 00-1702	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.39	8.14
08 71 11 00-1703	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.58	8.14
08 71 11 00-1704	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.86	8.14
08 71 11 00-1705	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.22	8.68
08 71 11 00-1706	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.50	8.68
08 71 11 00-1707	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.74	8.68
08 71 11 00-1708	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.96	8.68
08 71 11 00-1709	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.33	9.23
08 71 11 00-1710	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.58	9.23
08 71 11 00-1711	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.85	9.23
08 71 11 00-1712	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.22	9.77
08 71 11 00-1713	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.49	9.77
08 71 11 00-1714	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.68	9.77
08 71 11 00-1715	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.23	8.68
08 71 11 00-1716	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.03	8.68
08 71 11 00-1717	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.77	8.68
08 71 11 00-1718	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.57	8.68
08 71 11 00-1719	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.51	9.23
08 71 11 00-1720	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.26	9.23
08 71 11 00-1721	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.05	9.23
08 71 11 00-1722	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.85	9.23
08 71 11 00-1723	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.77	9.77
08 71 11 00-1724	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.56	9.77
08 71 11 00-1725	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.33	9.77
08 71 11 00-1726	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.25	10.30
08 71 11 00-1727	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.05	10.30
08 71 11 00-1728	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.79	10.30
08 71 11 00-1729	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.27	8.68
08 71 11 00-1730	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.25	8.68
08 71 11 00-1731	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.15	8.68
08 71 11 00-1732	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.12	8.68
08 71 11 00-1733	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.27	9.23
08 71 11 00-1734	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.22	9.23
08 71 11 00-1735	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.19	9.23
08 71 11 00-1736	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.12	9.23
08 71 11 00-1737	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.26	9.77
08 71 11 00-1738	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.21	9.77
08 71 11 00-1739	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.19	9.77
08 71 11 00-1740	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.33	10.30
08 71 11 00-1741	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	155.23	10.30
08 71 11 00-1742	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	160.21	10.30
08 71 11 00-1743	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.05	8.68
08 71 11 00-1744	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.66	8.68
08 71 11 00-1745	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.21	8.68
08 71 11 00-1746	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.82	8.68
08 71 11 00-1747	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	244.36	9.23
08 71 11 00-1748	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.12	9.23
08 71 11 00-1749	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.72	9.23
08 71 11 00-1750	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.27	9.23
08 71 11 00-1751	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.05	9.77
08 71 11 00-1752	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.63	9.77
08 71 11 00-1753	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.18	9.77
08 71 11 00-1754	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.95	10.30
08 71 11 00-1755	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.50	10.30
08 71 11 00-1756	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.11	10.30
08 71 11 00-1757	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.06	9.23
08 71 11 00-1758	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.27	9.23
08 71 11 00-1759	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.45	9.23
08 71 11 00-1760	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.65	9.23
08 71 11 00-1761	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.03	9.77
08 71 11 00-1762	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.21	9.77
08 71 11 00-1763	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.42	9.77
08 71 11 00-1764	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.63	9.77
08 71 11 00-1765	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	158.98	10.30
08 71 11 00-1766	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	165.18	10.30
08 71 11 00-1767	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.36	10.30
08 71 11 00-1768	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	179.74	10.85
08 71 11 00-1769	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.95	10.85
08 71 11 00-1770	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	192.13	10.85
08 71 11 00-1771	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.90	9.23
08 71 11 00-1772	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.68	9.23
08 71 11 00-1773	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.51	9.23
08 71 11 00-1774	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.30	9.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1775	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	141.33	9.77
08 71 11 00-1776	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.16	9.77
08 71 11 00-1777	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	154.95	9.77
08 71 11 00-1778	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.78	9.77
08 71 11 00-1779	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.74	10.30
08 71 11 00-1780	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.57	10.30
08 71 11 00-1781	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.41	10.30
08 71 11 00-1782	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	193.36	10.85
08 71 11 00-1783	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	200.19	10.85
08 71 11 00-1784	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	206.98	10.85
08 71 11 00-1785	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.68	9.23
08 71 11 00-1786	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.12	9.23
08 71 11 00-1787	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.58	9.23
08 71 11 00-1788	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	141.02	9.23
08 71 11 00-1789	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.63	9.77
08 71 11 00-1790	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	158.04	9.77
08 71 11 00-1791	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	165.47	9.77
08 71 11 00-1792	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.94	9.77
08 71 11 00-1793	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.55	10.30
08 71 11 00-1794	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.96	10.30
08 71 11 00-1795	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.40	10.30
08 71 11 00-1796	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	206.98	10.85
08 71 11 00-1797	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	214.47	10.85
08 71 11 00-1798	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	221.90	10.85

08 71 11 00-1799 Mop Plate *(08 71 11 00-0777)*
Note: Ives 8400.

08 71 11 00-1800 Aluminum Base Material Mop Plate *(08 71 11 00-1799)*

08 71 11 00-1801 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1800)*

08 71 11 00-1802	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.30	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1803	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	49.85	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	51.33	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	52.88	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	55.72	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	57.21	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.76	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	60.24	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.64	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	65.15	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	66.67	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	70.36	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1814	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.90	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1815	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.39	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1816	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	56.67	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1817	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.94	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.25	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1819	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.52	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.12	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.37	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.70	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.94	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.10	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.37	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.67	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	87.12	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	89.42	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	91.66	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1830 Brass Base Material Mop Plate *(08 71 11 00-1799)*

08 71 11 00-1831 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1830)*

08 71 11 00-1832	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	80.74	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	85.25	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	89.71	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.20	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	99.96	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	104.42	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	108.91	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	113.37	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	119.71	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.17	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	128.62	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	135.28	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	139.74	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1845	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	144.26	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1846	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	105.38	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1847	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	112.07	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	118.79	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	125.47	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	133.49	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	140.24	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	146.90	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	153.65	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	162.16	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	168.90	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	175.62	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	184.48	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	191.20	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	197.89	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860		**Bright/Satin Chrome Finish, Stainless Mop Plate** *(08 71 11 00-1830)*		
08 71 11 00-1861	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	85.65	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	90.55	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	95.47	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	100.39	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	106.58	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	111.51	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	116.43	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	121.32	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	128.09	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	133.05	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	137.97	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.06	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	149.95	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1874	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	154.87	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1875	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	112.68	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	120.02	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	127.42	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	134.82	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	143.46	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	150.85	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	158.19	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	165.59	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	174.84	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	182.18	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	189.58	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	199.09	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	206.48	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.85	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1889 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1830)*

08 71 11 00-1890	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	86.55	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	91.54	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	96.55	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	101.53	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	107.84	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	112.85	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	117.87	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	122.88	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	129.68	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	134.69	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	139.71	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	146.89	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	151.90	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1903	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	156.85	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1904	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	114.03	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	121.58	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	129.07	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	151.15	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	145.34	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	152.83	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	160.32	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	167.81	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	177.21	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	184.69	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	192.18	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	201.84	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	209.33	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	216.82	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918		Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1830)*		
08 71 11 00-1919	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	87.51	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	92.54	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	97.66	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	102.75	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	109.14	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	114.20	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	119.29	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	124.38	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	131.36	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	136.42	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	141.48	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	148.77	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1931	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	153.86	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	158.89	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1933	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	115.46	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1934	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	123.08	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	130.71	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	138.33	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	147.25	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	154.87	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	162.49	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	170.14	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	179.61	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	187.26	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	194.89	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	204.68	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	212.30	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	219.95	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1947 Stainless Base Material Mop Plate *(08 71 11 00-1799)*

08 71 11 00-1948 Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1947)*

08 71 11 00-1949	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.75	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	51.36	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	53.03	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	54.66	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	57.63	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.30	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	60.90	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	62.57	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.06	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	67.72	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1959	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	69.39	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.17	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	74.84	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1962	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	76.47	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1963	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	58.77	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.27	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.74	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.24	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	69.98	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.45	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	74.95	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	77.42	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	81.77	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	84.21	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	86.68	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	91.35	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	93.79	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	96.29	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977		**Bright Stainless Finish, Stainless Mop Plate** *(08 71 11 00-1947)*		
08 71 11 00-1978	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	71.45	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	75.09	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	78.74	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	82.33	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	87.27	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	90.89	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	94.54	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	98.18	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	103.62	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1987	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	107.27	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	110.91	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	116.70	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	120.35	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1991	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	123.93	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1992	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.38	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1993	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	96.88	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1994	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	102.32	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1995	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	107.76	7.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1996	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	114.47	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1997	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	119.91	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1998	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	125.35	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1999	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	130.80	8.25
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2000	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	138.12	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2001	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	143.56	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2002	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	149.00	8.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2003	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	156.61	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2004	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	162.02	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2005	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	167.46	9.23
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-2006 Plastic Mop Plate *(08 71 11 00-1799)*

08 71 11 00-2007 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-2006)*

Note: With four beveled edges.

08 71 11 00-2008	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.85	7.92
08 71 11 00-2009	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.15	7.92
08 71 11 00-2010	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.47	7.92
08 71 11 00-2011	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.76	7.92
08 71 11 00-2012	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	52.36	8.25
08 71 11 00-2013	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	53.65	8.25
08 71 11 00-2014	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	54.94	8.25
08 71 11 00-2015	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	56.26	8.25
08 71 11 00-2016	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.41	8.68
08 71 11 00-2017	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	60.70	8.68
08 71 11 00-2018	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	61.99	8.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2019	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.46	9.23
08 71 11 00-2020	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.78	9.23
08 71 11 00-2021	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.07	9.23
08 71 11 00-2022	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	53.00	7.92
08 71 11 00-2023	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	54.96	7.92
08 71 11 00-2024	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	56.90	7.92
08 71 11 00-2025	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.84	7.92
08 71 11 00-2026	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	62.11	8.25
08 71 11 00-2027	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.05	8.25
08 71 11 00-2028	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.99	8.25
08 71 11 00-2029	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	67.93	8.25
08 71 11 00-2030	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	71.75	8.68
08 71 11 00-2031	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	73.69	8.68
08 71 11 00-2032	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	75.63	8.68
08 71 11 00-2033	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.77	9.23
08 71 11 00-2034	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.71	9.23
08 71 11 00-2035	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	83.65	9.23
08 71 11 00-2036		**Armor Door Plate** *(08 71 11 00-0777)* Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2037	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	29.80	1.36
08 71 11 00-2038	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	28.60	1.06
08 71 11 00-2039	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	32.82	1.36
08 71 11 00-2040	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	31.62	1.06
08 71 11 00-2041	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	67.81	1.36
08 71 11 00-2042	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	66.61	1.06
08 71 11 00-2043		**Pull Handle And Plates** *(08 71 11 00-0777)*		
08 71 11 00-2044		**Pull Handle** *(08 71 11 00-2043)*		
08 71 11 00-2045	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	60.37	8.95
		For Stainless Steel, Add	*10.32*	
		For Brass, Add	*14.00*	
08 71 11 00-2046	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	63.56	8.95
		For Stainless Steel, Add	*11.66*	
		For Brass, Add	*15.82*	
08 71 11 00-2047	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	68.59	8.95
		For Stainless Steel, Add	*13.77*	
		For Brass, Add	*18.69*	
08 71 11 00-2048	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	71.38	8.95
		For Stainless Steel, Add	*14.94*	
		For Brass, Add	*20.28*	
08 71 11 00-2049	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	76.43	8.95
		For Stainless Steel, Add	*17.06*	
		For Brass, Add	*23.16*	
08 71 11 00-2050	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	82.95	8.95
		For Stainless Steel, Add	*19.80*	
		For Brass, Add	*26.88*	
08 71 11 00-2051	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	63.80	8.95
		For Stainless Steel, Add	*11.76*	
		For Brass, Add	*15.96*	
08 71 11 00-2052	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	70.76	8.95
		For Stainless Steel, Add	*14.68*	
		For Brass, Add	*19.93*	
08 71 11 00-2053	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	71.90	8.95
		For Stainless Steel, Add	*15.16*	
		For Brass, Add	*20.58*	
08 71 11 00-2054	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	142.18	8.95
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.11*	
		For Brass, Add	*18.51*	
08 71 11 00-2055	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	146.48	8.95
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.92*	
		For Brass, Add	*19.26*	

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08 71 11 00-2056	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	155.13	8.95
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*22.55*	
		For Brass, Add	*20.76*	
08 71 11 00-2057	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	205.25	8.95
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*32.03*	
		For Brass, Add	*29.48*	
08 71 11 00-2058		**Pull Plate** *(08 71 11 00-2043)*		
08 71 11 00-2059	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	97.16	6.78
		For Stainless Steel, Add	*41.32*	
		For Brass, Add	*52.53*	
08 71 11 00-2060	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	99.60	6.78
		For Stainless Steel, Add	*42.76*	
		For Brass, Add	*54.36*	
08 71 11 00-2061	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	105.15	6.78
		For Stainless Steel, Add	*46.04*	
		For Brass, Add	*58.52*	
08 71 11 00-2062		**Push Bars And Plates** *(08 71 11 00-0777)*		
08 71 11 00-2063		**Push Bars** *(08 71 11 00-2062)*		
08 71 11 00-2064	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	269.07	6.78
08 71 11 00-2065	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	264.30	6.78
		For Brass Push Bar, Add	*41.27*	
08 71 11 00-2066	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	274.25	6.78
		For Brass Push Bar, Add	*43.00*	
08 71 11 00-2067	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	521.38	6.78
		For Brass Push Bar, Add	*86.00*	
08 71 11 00-2068		**Push Plates** *(08 71 11 00-2062)*		
08 71 11 00-2069		**Aluminum Push Plates** *(08 71 11 00-2068)*		
08 71 11 00-2070		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 11 00-2069)* Note: Ives 8200 Series.		
08 71 11 00-2071	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	44.72	6.78
08 71 11 00-2072	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	44.72	6.78
08 71 11 00-2073	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	44.72	6.78
08 71 11 00-2074	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.17	6.78
08 71 11 00-2075		**Stainless Steel Push Plates** *(08 71 11 00-2068)*		
08 71 11 00-2076		**Satin Finish, Stainless Steel Push Plates** *(08 71 11 00-2075)* Note: Ives 8200 Series.		
08 71 11 00-2077	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	44.72	6.78
08 71 11 00-2078	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	48.14	6.78
08 71 11 00-2079	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	55.96	6.78
08 71 11 00-2080	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	67.53	6.78
08 71 11 00-2081		**Brass Push Plates** *(08 71 11 00-2068)*		
08 71 11 00-2082		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 11 00-2081)* Note: Ives 8200 Series.		
08 71 11 00-2083	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	55.17	6.78
08 71 11 00-2084	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	63.96	6.78
08 71 11 00-2085	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	85.13	6.78
08 71 11 00-2086	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	99.03	6.78
08 71 11 00-2087		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 11 00-2081)* Note: Ives 8200 Series.		
08 71 11 00-2088	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	62.20	6.78
08 71 11 00-2089	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	69.34	6.78
08 71 11 00-2090	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	88.73	6.78
08 71 11 00-2091	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	107.85	6.78
08 71 11 00-2092		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2081)* Note: Ives 8200 Series.		
08 71 11 00-2093	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	62.20	6.78
08 71 11 00-2094	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	69.34	6.78
08 71 11 00-2095	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	92.15	6.78
08 71 11 00-2096	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	109.75	6.78
08 71 11 00-2097		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2081)* Note: Ives 8200 Series.		

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08 71 11 00-2098	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	62.20	6.78
08 71 11 00-2099	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	71.13	6.78
08 71 11 00-2100	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	97.57	6.78
08 71 11 00-2101	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	115.17	6.78
08 71 11 00-2102		Anti-Vandal Pull *(08 71 11 00-2062)*		
08 71 11 00-2103	EA	Anti-Vandal Pull With Astragal (Trimco 1096HA)	351.45	13.57
08 71 11 00-2104	EA	Anti-Vandal Pull Without Astragal (Trimco 1097HA)	351.45	13.57
08 71 11 00-2105		Exit Devices *(08 71 11)*		
08 71 11 00-2106		Push Bar Exit Device, Von Duprin Series 22 *(08 71 11 00-2105)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2107	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22)	759.61	122.06
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2108	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F)	845.50	122.06
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2109	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227)	1,102.76	146.48
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2110	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F)	1,316.70	135.63
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2111	EA	Dummy Trim (Von Duprin Series 22, 210DT)	102.79	20.34
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2112	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	222.01	27.12
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2113	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	416.99	40.69
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2114	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	413.03	40.69
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2115	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	412.04	40.69
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2116	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	327.39	40.69
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2117	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	132.54	16.28
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2118	EA	Dummy Trim (Von Duprin Series 22, 230DT)	153.29	20.34
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2119	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	274.50	27.12
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2120	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	323.43	40.69
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2121	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)	322.44	40.69
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2122		Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 *(08 71 11 00-2105)*		
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2123	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,579.73	122.06
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*125.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*128.43*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*121.03*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*47.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*366.23*	
08 71 11 00-2124	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,154.39	146.48
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*176.38*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*180.61*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.20*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*67.02*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*515.02*	
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F)	2,197.12	146.48
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*180.65*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*184.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*174.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*68.65*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*527.50*	
08 71 11 00-2126	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547)	2,229.80	168.18
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*177.95*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*182.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*171.72*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*67.62*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*519.62*	

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08 71 11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F)	2,340.04	168.18
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*188.98*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*193.51*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*182.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*71.81*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*551.81*	
08 71 11 00-2128	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548)	2,494.14	168.18
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*204.39*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*209.29*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*77.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*596.81*	
08 71 11 00-2129	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F)	2,604.38	168.18
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*215.41*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*220.58*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*207.87*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*81.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*629.00*	
08 71 11 00-2130	EA	Dummy Trim (Von Duprin Series 33/35, DT)	355.70	20.34
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*29.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*88.02*	
08 71 11 00-2131	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)	406.44	27.12
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*31.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.56*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*96.50*	
08 71 11 00-2132	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL)	656.67	27.12
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*56.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*169.57*	
08 71 11 00-2133	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)	668.46	40.69
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*54.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.28*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*163.51*	
08 71 11 00-2134	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)	792.02	40.69
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*199.59*	
08 71 11 00-2135	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)	776.44	40.69
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*64.46*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*195.04*	
08 71 11 00-2136	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	783.72	40.69
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*197.16*	
08 71 11 00-2137		Push Bar Exit Device, Von Duprin Series 98/99 *(08 71 11 00-2105)*		
		Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2138	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)	1,521.08	122.06
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*72.93*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*115.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*185.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*379.00*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*119.56*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*175.75*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*119.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)	1,730.21	122.06
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*85.69*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*136.26*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*217.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*445.29*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*140.47*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*206.49*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*140.47*	
08 71 11 00-2140	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,375.40	122.06
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*64.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*101.84*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*162.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*332.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*104.99*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*154.33*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*104.99*	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,535.85	122.06
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*73.83*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*117.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*187.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*383.68*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*121.03*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*177.92*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*121.03*	
08 71 11 00-2142	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)	2,175.77	146.48
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*108.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*173.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*276.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*565.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*178.52*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*262.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*178.52*	
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	2,459.23	146.48
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*126.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*200.66*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*320.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*655.75*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*206.86*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*304.09*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*206.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2144	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,282.05	168.18
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*170.35*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.68*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*283.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*580.67*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.18*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.27*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*183.18*	
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,571.81	168.18
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*197.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*205.79*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*328.84*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*672.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*212.15*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*311.86*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*212.15*	
08 71 11 00-2146	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,578.10	168.18
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*197.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*206.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*329.81*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*674.52*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*212.78*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*312.79*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*212.78*	
08 71 11 00-2147	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,350.98	168.18
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*176.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*184.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*294.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*602.52*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*190.07*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*279.40*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*190.07*	
08 71 11 00-2148	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,055.82	168.18
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*149.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*155.74*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*248.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*508.96*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*160.55*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*236.01*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*160.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2149	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,312.35	168.18
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*173.17*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*180.62*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*288.62*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*590.28*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*186.21*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*273.72*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*186.21*	
08 71 11 00-2150	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	2,227.92	146.48
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*112.08*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*178.22*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*582.43*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.73*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*270.08*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*183.73*	
08 71 11 00-2151	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,375.50	146.48
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*121.08*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*192.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*307.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*629.21*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*198.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*291.78*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*198.49*	
08 71 11 00-2152	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,154.25	151.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*64.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*270.84*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*553.92*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*174.74*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*256.86*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*174.74*	
08 71 11 00-2153	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	2,367.14	151.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*72.53*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*190.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*303.84*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*621.40*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*196.03*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*288.16*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*196.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2154	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	1,960.73	168.18
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*140.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*146.51*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*234.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*478.81*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*151.05*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*222.04*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*151.05*	
08 71 11 00-2155	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	2,127.12	168.18
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*155.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*162.65*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*259.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*531.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*167.68*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*246.50*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*167.68*	
08 71 11 00-2156	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,133.07	168.18
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*156.50*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*163.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*260.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*533.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*168.28*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*247.37*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*168.28*	
08 71 11 00-2157	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,430.21	168.18
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*184.13*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*192.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*306.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*627.64*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.99*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*291.05*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Cylinder Dogging Indicator (CI), Add	*174.58*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*197.99*	
08 71 11 00-2158	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,407.08	141.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*469.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*959.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*302.73*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*112.62*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*126.54*	
		For Center Case Dogging (CD-CX), Add	*283.16*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*302.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2159	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	3,616.21	141.05
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*501.65*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,025.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*323.65*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*120.40*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*135.28*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*323.65*	
08 71 11 00-2160	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,051.10	173.60
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*554.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,134.58*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*357.91*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*133.14*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*149.61*	
		For Center Case Dogging (CD-CX), Add	*283.16*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*357.91*	
08 71 11 00-2161	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	4,264.01	173.60
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*587.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,202.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*379.20*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*141.06*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*158.51*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*379.20*	
08 71 11 00-2162	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99)	2,172.48	141.05
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*277.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*568.29*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*179.27*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*66.69*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*102.90*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*179.27*	
08 71 11 00-2163	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,381.61	141.05
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*310.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*634.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*200.19*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*74.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*114.91*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*200.19*	
08 71 11 00-2164	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	2,816.50	173.60
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*363.40*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*743.21*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*234.45*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*87.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.58*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*62.65*	
		For Special Center Case Dogging (SD), Add	*262.29*	
		For Dogging Indicator (DI), Add	*160.38*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*234.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2165	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,029.39	173.60
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*396.40*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*810.70*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*255.74*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*95.14*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*146.80*	
		For Quiet Electric Latch Retraction (QEL), Add	*833.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*81.03*	
		For Safety Glow Touchpad, Add	*292.35*	
		For Accessible Device (AX), Add	*255.74*	
08 71 11 00-2166	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO) Note: Satin chrome plated US26D (BHMA 626) finish.	177.27	16.28
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.02*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.02*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.76*	
08 71 11 00-2167	EA	Dummy Trim (Von Duprin Series 98/99, 990DT) Note: Satin chrome plated US26D (BHMA 626) finish.	262.49	20.34
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.40*	
08 71 11 00-2168	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	388.66	27.12
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.38*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*53.16*	
08 71 11 00-2169	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	299.06	27.12
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.69*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.93*	
08 71 11 00-2170	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	679.38	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.69*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*97.05*	
08 71 11 00-2171	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	589.79	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*81.82*	
08 71 11 00-2172	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	589.79	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*81.82*	
08 71 11 00-2173	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	573.14	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*78.99*	
08 71 11 00-2174	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	483.54	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.76*	
08 71 11 00-2175	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)) Note: Satin chrome plated US26D (BHMA 626) finish.	483.54	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.76*	
08 71 11 00-2176	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish.	556.15	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.43*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*76.10*	
08 71 11 00-2177	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish.	466.55	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.74*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*60.87*	
08 71 11 00-2178	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	466.55	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.74*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*60.87*	
08 71 11 00-2179	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	546.59	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.71*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*74.48*	
08 71 11 00-2180	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	456.99	40.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2181	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	456.99	40.69
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.24*	
08 71 11 00-2182	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	494.52	40.69
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*65.62*	
08 71 11 00-2183	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	404.92	40.69
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*50.39*	
08 71 11 00-2184	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	404.92	40.69
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*50.39*	
08 71 11 00-2185	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	404.70	40.69
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*50.35*	

08 71 11 00-2186 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2105)*

08 71 11 00-2187	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	971.17	40.69
08 71 11 00-2188	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	827.60	40.69
		For Battery Backup (Includes Board And 2 Batteries), Add	*59.40*	
		For Fire Alarm Interface, Add	*29.70*	
		For 2 Relay Panic Device Control Board, Add	*68.91*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*80.78*	
		For 4 Relay Output Board, Add	*66.53*	
		For 4 Relay Logic Board, Add	*182.47*	
		For Fused 8 Zone Distribution Board, Add	*23.76*	
08 71 11 00-2189	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	771.77	40.69
08 71 11 00-2190	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	391.50	40.69
		For Battery Backup (Includes Board And 2 Batteries), Add	*59.40*	
		For Fire Alarm Interface, Add	*29.70*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*80.78*	
		For 4 Relay Output Board, Add	*66.53*	
		For 4 Relay Logic Board, Add	*182.47*	
		For Fused 8 Zone Distribution Board, Add	*23.76*	
08 71 11 00-2191	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	641.93	40.69
		For Battery Backup (Includes Board And 2 Batteries), Add	*59.40*	
		For Fire Alarm Interface, Add	*29.70*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*80.78*	
		For 4 Relay Output Board, Add	*66.53*	
		For 4 Relay Logic Board, Add	*182.47*	
		For Fused 8 Zone Distribution Board, Add	*23.76*	
08 71 11 00-2192	EA	6 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS906)	974.24	41.23
		For Owner Furnished Material, Deduct	*-865.74*	
08 71 11 00-2193	EA	4 Amperes (3 Amperes Wet) Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914 x 900-2RS)	979.47	41.23
		For Owner Furnished Material, Deduct	*-870.97*	
08 71 11 00-2194	EA	Request to Exit Push Pad Monitor Switch (RX)	226.06	27.12
08 71 11 00-2195	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,058.34	
		Note: For Von Duprin Series 33A/35A/98/99 Exit Device		

08 71 11 00-2196 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2105)*

08 71 11 00-2197	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	564.11	27.12
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-455.61*	
08 71 11 00-2198	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	599.77	27.12
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-491.27*	
08 71 11 00-2199	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	984.37	27.12
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-875.87*	
08 71 11 00-2200	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	966.15	32.55
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-835.95*	
08 71 11 00-2201	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	1,001.80	32.55
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-871.60*	
08 71 11 00-2202	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	1,080.05	32.55
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-949.85*	
08 71 11 00-2203	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73)	1,005.48	27.12
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-896.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2204	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	1,052.10	27.12
		For Owner Furnished Material, Deduct	*-943.60*	
08 71 11 00-2205	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	1,146.58	27.12
		For Owner Furnished Material, Deduct	*-1,038.08*	
08 71 11 00-2206	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	1,560.08	32.55
		For Owner Furnished Material, Deduct	*-1,429.88*	
08 71 11 00-2207	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	1,606.70	32.55
		For Owner Furnished Material, Deduct	*-1,476.50*	
08 71 11 00-2208	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	3,071.48	32.55
		For Owner Furnished Material, Deduct	*-2,941.28*	
08 71 11 00-2209	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	117.68	21.70
		For Owner Furnished Material, Deduct	*-74.28*	
08 71 11 00-2210		**Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55** *(08 71 11 00-2105)* Note: Grade 1, BHMA 156.3.		
08 71 11 00-2211	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	2,217.29	122.06
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*238.36*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*274.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*361.33*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*393.49*	
08 71 11 00-2212	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	2,854.13	168.18
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*302.89*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*348.56*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*459.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*500.00*	
08 71 11 00-2213	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	3,122.54	168.18
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*336.70*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*387.48*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*510.40*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*555.83*	
08 71 11 00-2214	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	2,920.49	168.18
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*311.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*358.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*471.81*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*513.80*	
08 71 11 00-2215	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	3,180.98	168.18
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*344.07*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*395.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*521.56*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*567.99*	
08 71 11 00-2216	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.	2,211.49	151.91
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*227.38*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*261.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*344.68*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*375.36*	
08 71 11 00-2217	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.	2,386.81	151.91
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*249.47*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*287.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*378.17*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*411.83*	
08 71 11 00-2218	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	380.12	20.34
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*41.06*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*47.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.24*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*67.78*	
08 71 11 00-2219	EA	Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	168.07	28.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*11.61*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*13.36*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*17.59*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*19.16*	
08 71 11 00-2220	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze.	635.03	28.75
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*70.44*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*81.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*106.78*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*116.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2221	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	679.47	40.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*82.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*109.06*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*118.76*	
08 71 11 00-2222	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	558.17	40.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*56.66*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*65.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.89*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*93.53*	
08 71 11 00-2223	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	679.47	40.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*82.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*109.06*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*118.76*	
08 71 11 00-2224	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	784.45	40.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*85.17*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*98.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*129.11*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*140.60*	
08 71 11 00-2225		**Cross Bar Exit Device, Von Duprin Series 88** *(08 71 11 00-2105)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2226	EA	42" Crossbar, Rim Type, Exit Device	1,398.18	122.06
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*34.33*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*292.84*	
08 71 11 00-2227	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,634.90	122.06
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*40.59*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*41.90*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*357.46*	
08 71 11 00-2228	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,810.93	146.48
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.03*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.45*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*387.75*	
08 71 11 00-2229	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,322.99	146.48
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.90*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*61.84*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*527.54*	
08 71 11 00-2230	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,741.74	168.18
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*40.04*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*41.33*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*352.57*	
08 71 11 00-2231	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,207.36	168.18
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*54.47*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*56.23*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*479.68*	
08 71 11 00-2232	EA	42" Crossbar, Mortise Lock, Exit Device	1,872.76	151.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*45.44*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*46.91*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*400.19*	
08 71 11 00-2233	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	1,993.60	151.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*49.19*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*50.78*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*433.17*	
08 71 11 00-2234	EA	Dummy Trim (Von Duprin Series 88, DT)	210.75	20.34
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*4.85*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*42.72*	
08 71 11 00-2235	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	330.95	27.12
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.91*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.16*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*69.62*	
08 71 11 00-2236	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	589.87	40.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.92*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*15.40*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*131.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2237	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L) Note: Anodized finish: dull brass or dull bronze.	550.25	40.69
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*13.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*120.60*	
08 71 11 00-2238	EA	Knob Trim With Cylinder (Von Duprin Series 88, K) Note: Anodized finish: dull brass or dull bronze.	409.06	40.69
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.32*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*9.62*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*82.05*	
08 71 11 00-2239	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP) Note: Anodized finish: dull brass or dull bronze.	409.06	40.69
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.32*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*9.62*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*82.05*	
08 71 11 00-2240		**Push Bar Exit Device, Precision Hardware Apex 2000 Series** *(08 71 11 00-2105)* Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2241	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	2,039.09	122.06
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,713.58*	
08 71 11 00-2242	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	2,156.84	122.06
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,831.33*	
08 71 11 00-2243	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	2,809.15	146.48
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,418.54*	
08 71 11 00-2244	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	2,926.89	146.48
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,536.28*	
08 71 11 00-2245	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	247.92	16.28
		For Owner Furnished Material, Deduct	*-204.52*	
08 71 11 00-2246	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	675.54	20.34
		For Owner Furnished Material, Deduct	*-621.29*	
08 71 11 00-2247	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	729.79	40.69
		For Owner Furnished Material, Deduct	*-621.29*	
08 71 11 00-2248	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	884.73	40.69
		For Owner Furnished Material, Deduct	*-776.23*	
08 71 11 00-2249	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	884.73	40.69
		For Owner Furnished Material, Deduct	*-776.23*	
08 71 11 00-2250	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	884.73	40.69
		For Owner Furnished Material, Deduct	*-776.23*	
08 71 11 00-2251	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	179.73	16.28
		For Owner Furnished Material, Deduct	*-136.33*	
08 71 11 00-2252	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	392.01	20.34
		For Owner Furnished Material, Deduct	*-337.76*	
08 71 11 00-2253	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	413.71	27.12
		For Owner Furnished Material, Deduct	*-337.76*	
08 71 11 00-2254	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	582.59	40.69
		For Owner Furnished Material, Deduct	*-474.09*	
08 71 11 00-2255	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	582.59	40.69
		For Owner Furnished Material, Deduct	*-474.09*	
08 71 11 00-2256		**Door Closers** *(08 71 11)* Note: Includes standard cover and arm.		
08 71 11 00-2257	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	466.73	31.46
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2258	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	570.42	31.46
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2259	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)	586.91	31.46
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2260	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	607.55	31.46
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2261	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	389.06	31.46
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2262	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	392.54	31.46
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2263	EA	Screen Door - Closer	55.06	11.80
08 71 11 00-2264	EA	Screen Door - Locking Handle	59.72	16.94

08 71 11 00-2265 Concealed Door Closers *(08 71 11)*

08 71 11 00-2266	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,315.82	93.31
08 71 11 00-2267	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,413.01	93.31
08 71 11 00-2268	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	673.99	37.98
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2269	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	730.84	37.98
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2270 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2271 Locksmith Services *(08 71 11 00-2270)*

08 71 11 00-2272	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	1.86	
		For >50, Deduct	*-0.37*	
08 71 11 00-2273	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	130.26	
		For >5, Deduct	*-13.03*	
08 71 11 00-2274	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	130.26	
		For >5, Deduct	*-13.03*	
08 71 11 00-2275	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	150.13	
		For >5, Deduct	*-13.03*	
08 71 11 00-2276	EA	Open Locked Doors	130.26	
08 71 11 00-2277	EA	Install Owner Furnished Cores And Cylinders	54.66	

08 71 11 00-2278 Mortise Locksets And Latchsets *(08 71 11 00-2270)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2279	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	821.77	27.12
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*23.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*21.40*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*35.66*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*251.78*	
08 71 11 00-2280	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	980.26	27.12
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*28.77*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*26.15*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*43.59*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*307.73*	
08 71 11 00-2281	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,092.35	27.12
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*32.47*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*29.52*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*49.19*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*347.30*	
08 71 11 00-2282	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	1,018.73	27.12
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.04*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.51*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*321.31*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*78.95*	
08 71 11 00-2283	EA	Storeroom/Closet F07 Mortise Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	1,018.73	27.12
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.04*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.51*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*321.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2284	EA	Entrance F08 Mortise Lockset	1,139.29	27.12
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.02*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.92*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.54*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.87*	
08 71 11 00-2285	EA	Dormitory/Exit F13 Mortise Lockset	979.15	27.12
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*28.73*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*26.12*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*43.53*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*307.34*	
08 71 11 00-2286		Locks And Latches *(08 71 11 00-2270)*		
08 71 11 00-2287		Preassembled Locks And Latches *(08 71 11 00-2286)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2288	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)	1,725.87	27.12
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*49.33*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*82.22*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*580.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*305.88*	
		For Grade 2, Deduct	*-639.71*	
08 71 11 00-2289	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	1,869.64	27.12
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*53.65*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*89.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*631.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*332.62*	
		For Grade 2, Deduct	*-695.63*	
08 71 11 00-2290	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,127.43	27.12
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*61.38*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*102.30*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*722.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*380.57*	
		For Grade 2, Deduct	*-795.91*	
08 71 11 00-2291	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,127.43	27.12
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*61.38*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*102.30*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*722.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*380.57*	
		For Grade 2, Deduct	*-795.91*	
08 71 11 00-2292	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,127.43	27.12
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*61.38*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*102.30*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*722.26*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*380.57*	
		For Grade 2, Deduct	*-795.91*	
08 71 11 00-2293		Bored Locks And Latches *(08 71 11 00-2286)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2294	EA	Passage/Closet F75 Bored Latchset	279.76	27.12
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.14*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.56*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*60.45*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*31.85*	
		For Grade 2, Deduct	*-8.56*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.43*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2295	EA	Bath/Bedroom Privacy F76 Bored Lockset	320.60	27.12
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*6.36*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*10.61*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*74.87*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*39.45*	
		For Grade 2, Deduct	*-10.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.24*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2296	EA	Entrance/Office F82 Bored Lockset	353.52	27.12
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.35*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.25*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.57*	
		For Grade 2, Deduct	*-12.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.90*	
		For Interchangeable Core, Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2297	EA	Classroom F84 Bored Lockset	353.52	27.12
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.35*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.25*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.57*	
		For Grade 2, Deduct	*-12.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.90*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2298	EA	Storeroom/Closet F86 Bored Lockset	353.52	27.12
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.35*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.25*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.57*	
		For Grade 2, Deduct	*-12.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.90*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2299	EA	Corridor/Dormitory F90 Bored Lockset	353.52	27.12
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.35*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.25*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.57*	
		For Grade 2, Deduct	*-12.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.90*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2300		**Heavy Duty Cylinder Lever Locksets** *(08 71 11 00-2286)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/8" backset. (Corbin Russwin CL 3500).		
08 71 11 00-2301	EA	Heavy Duty Cylindrical Passage Or Closet Lockset F75	523.11	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2302	EA	Heavy Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset	563.85	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2303	EA	Heavy Duty Cylindrical, F82 Entrance Lockset	619.36	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2304	EA	Heavy Duty Cylindrical, F84 Classroom Lockset	619.36	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2305	EA	Heavy Duty Cylindrical, F86 Storeroom Or Closet Lockset	619.36	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2306	EA	Heavy Duty Cylindrical, F109 Entrance Lockset	619.36	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2307	EA	Heavy Duty Cylindrical Full Dummy Trim Lockset	489.82	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2308		**Extra Heavy Duty Cylinder Lever Locksets** *(08 71 11 00-2286)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/4" backset. (Corbin Russwin CL 3300).		
08 71 11 00-2309	EA	Extra Heavy Duty Cylindrical, F75 Passage Or Closet Lockset	578.38	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2310	EA	Extra Heavy Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset	645.28	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2311	EA	Extra Heavy Duty Cylindrical, F82 Entrance Lockset	700.81	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2312	EA	Extra Heavy Duty Cylindrical, F84 Classroom Lockset	700.81	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2313	EA	Extra Heavy Duty Cylindrical, F86 Storeroom Or Closet Lockset	700.81	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2314	EA	Extra Heavy Duty Cylindrical, F109 Entrance Lockset	700.81	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2315	EA	Extra Heavy Duty Cylindrical, F87 Utility Lockset	756.35	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2316	EA	Extra Heavy Duty Cylindrical Full Dummy Trim Lockset	515.76	27.12
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2317		**Occupancy Indicator Locks** *(08 71 11 00-2286)*		
08 71 11 00-2318	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571)	139.92	27.11
		Note: Standard finish is satin chrome		
		For Bright Brass Finish, Add	*5.13*	
		For Oil Rubbed Bronze Finish, Add	*13.71*	
		For Aged Bronze Finish, Add	*5.13*	
		For Satin Nickel Finish, Add	*5.13*	
08 71 11 00-2319	EA	Occupancy Indicator Lock And Lever (Vizilok C3F)	212.28	27.11
		Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
		For Oil Rubbed Bronze Finish, Add	*5.56*	
08 71 11 00-2320		**Other Locks** *(08 71 11 00-2270)*		
		Note: BHMA A156.5.		
08 71 11 00-2321	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	920.32	141.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2322	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,092.52	282.11
08 71 11 00-2323	EA	Combination Lock, Security, CD-X09	3,928.30	81.98
08 71 11 00-2324	EA	Norden Box Lock	647.86	47.74
08 71 11 00-2325	EA	One Sided Deadbolt For Restroom Or Public Toilet Note: No exterior plate.	106.92	
08 71 11 00-2326	EA	Firehose Extinguisher Cabinet Lock	94.65	
08 71 11 00-2327	EA	Single Door Magnetic Locking Device, Aluminum Finish, Time Delay (ROFU 8011-LC-TD-US28)	1,045.03	68.35
08 71 11 00-2328	EA	Single Door Magnetic Locking Device, Brown Finish (ROFU 8011-LC-US40)	922.94	68.35
08 71 11 00-2329	EA	Single Door Magnetic Locking Device, Aluminum Finish (ROFU 8011-LC-US28)	922.94	68.35
08 71 11 00-2330	EA	12 Volt Delayed Egress System: (1) 1,500 LB Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-12)	1,922.47	86.81
08 71 11 00-2331	EA	24 Volt Delayed Egress System: (1) 1,500 LB Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-24)	2,011.68	86.81
08 71 11 00-2332	EA	1,200 LB Electromagnetic Lock With Infrared Remote Release (PowerMag RRPM1200PAK)	1,028.71	68.35
08 71 11 00-2333	EA	Surface Mounted Aluminum Storefront Door Closer (Norton 1601BF AL)	341.24	31.46
08 71 11 00-2334	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8301-689)	500.21	31.46
08 71 11 00-2335	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8301-689)	697.99	31.46
08 71 11 00-2336	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8501-689)	406.65	31.46
08 71 11 00-2337	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8501-689)	665.03	31.46
08 71 11 00-2338	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Full Metal Cover (Norton 8501M-689)	434.83	31.46
08 71 11 00-2339	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Architectural Plastic Cover (Norton 8501A-689)	591.80	31.46
08 71 11 00-2340	EA	12 Button Industrial Electronic Cylindrical Lock With Key Override (Alarm Lock DL3000IC26D)	1,736.99	68.31
08 71 11 00-2341	EA	12 Button Industrial Electronic Cylindrical Lock With HID Proximity Cards, Key Override (Alarm Lock PDL3000IC26D)	2,364.30	68.31
08 71 11 00-2342	EA	12 Button Industrial Electronic Mortise Lock With Key Override (Alarm Lock DL3500CRL26D)	1,950.26	68.31
08 71 11 00-2343	EA	3' General Security Chain With Green Vinyl Sleeve (Master Lock 73D)	11.65	
08 71 11 00-2344	EA	6' General Security Chain With Smoke Gray Vinyl Sleeve (Master Lock 74D)	22.82	
08 71 11 00-2345	EA	Resettable Combination Lock With 1" Hardened Steel Shackle (Master Lock 175D)	39.77	
08 71 11 00-2346	EA	2-1/8" Shrouded Iron Padlock (Master Lock 6521WO)	46.13	
08 71 11 00-2347	EA	2-5/8" Shrouded Iron Padlock (Master Lock 6527WO)	64.45	
08 71 11 00-2348	EA	1 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W1)	98.58	
08 71 11 00-2349	EA	15 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W15)	135.77	
08 71 11 00-2350	EA	27 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W27)	145.16	
08 71 11 00-2351	EA	Pin Tumbler Padlock, Red (American Lock A1105RED KD)	24.06	
08 71 11 00-2352	EA	Pin Tumbler Padlock, Red (American Lock A1106RED KD)	23.83	
08 71 11 00-2353	EA	6 Volt Battery (Alarm Lock BP6)	76.67	
08 71 11 00-2354	EA	6 Volt Battery (Alarm Lock S6061)	97.68	
08 71 11 00-2355	EA	6 Volt Battery (Alarm Lock S6065)	100.03	
08 71 11 00-2356	EA	Surface Mounted Door Alarm (Alarm Lock PG21MS)	495.78	54.66
08 71 11 00-2357	EA	Alarm Lock Keypad (Alarm Lock DK3000 26D)	806.61	54.66
08 71 11 00-2358	EA	Removal And Replacement Of 2-3/8" Deadbolt (Lori Lock 4510 26D5001)	60.80	

08 71 11 00-2359 Pushbutton Combination Locks *(08 71 11 00-2270)*

08 71 11 00-2360 Mechanical Pushbutton Combination Locks *(08 71 11 00-2359)*

Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.

08 71 11 00-2361 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) *(08 71 11 00-2360)*

Note: Satin chrome or antique brass finish.

08 71 11 00-2362	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	761.78	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2363	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	819.24	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2364	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	842.23	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2365	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	899.70	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2366	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	859.47	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2367	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	916.94	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2368	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	939.93	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2369	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	997.40	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
		For Fire Rated, Add	*65.55*	
08 71 11 00-2370		Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) *(08 71 11 00-2360)*		
		Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2371	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	845.68	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2372	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	891.66	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2373	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	983.61	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2374	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,018.09	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2375	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,018.09	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2376	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	960.62	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2377		Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) *(08 71 11 00-2360)*		
		Note: Satin chrome or antique brass finish.		
08 71 11 00-2378	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,026.14	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2379	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,060.62	68.31
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*47.92*	
08 71 11 00-2380		Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) *(08 71 11 00-2360)*		
		Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2381	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	431.90	68.31
		For Schlage Core, Add	*47.92*	
08 71 11 00-2382	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	583.62	68.31
		For Schlage Core, Add	*47.92*	
08 71 11 00-2383		Electrical Pushbutton Combination Locks *(08 71 11 00-2359)*		
		Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2384		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2383)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2385	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	790.51	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2386	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	928.44	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2387	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	962.92	68.31
		For Satin Brass Finish, Add	*17.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2388	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	905.45	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2389	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	847.98	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2390	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	962.92	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2391	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	985.91	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2392	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,020.39	68.31
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2393	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	962.92	68.31
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2394 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2383)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2395	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,020.39	68.31
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2396	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,020.39	68.31
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2397 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2383)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2398	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,198.55	68.31
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2399	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,198.55	68.31
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2400 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2383)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2401	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,290.50	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2402	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,405.44	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2403	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,428.43	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2404	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,462.91	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2405	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,405.44	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2406		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 11 00-2383)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2407	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,836.46	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2408	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,951.40	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2409	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,974.39	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2410	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,008.87	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2411	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,951.40	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*96.99*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2412		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 11 00-2383)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2413	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	2,618.06	68.31
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	
08 71 11 00-2414		Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 11 00-2383)*		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2415	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,635.32	68.31
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2416		Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 11 00-2383)*		
08 71 11 00-2417	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	793.32	
08 71 11 00-2418	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,023.20	
08 71 11 00-2419	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,368.02	
08 71 11 00-2420	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	402.41	
08 71 11 00-2421	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	123.88	
		Note: Includes 4 C-cell battery pack.		
08 71 11 00-2422	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	148.02	
08 71 11 00-2423		Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 11 00-2383)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2424	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	991.66	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-718.38*	
08 71 11 00-2425	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,129.58	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-856.30*	
08 71 11 00-2426	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,164.06	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-890.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2427	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,106.60	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-833.32*	
08 71 11 00-2428	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,049.12	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-775.84*	
08 71 11 00-2429	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,164.06	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-890.78*	
08 71 11 00-2430	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,187.05	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-913.77*	
08 71 11 00-2431	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,221.54	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-948.26*	
08 71 11 00-2432	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,164.06	68.31
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-890.78*	
08 71 11 00-2433		Electrical Pushbutton Combination Locks (Schlage) *(08 71 11 00-2383)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2434	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,008.19	67.81
		For Owner Furnished Material, Deduct	*-736.94*	
08 71 11 00-2435	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,173.62	67.81
		For Owner Furnished Material, Deduct	*-902.37*	
08 71 11 00-2436	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,329.39	67.81
		For Owner Furnished Material, Deduct	*-1,058.14*	
08 71 11 00-2437	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,748.34	67.81
		For Owner Furnished Material, Deduct	*-1,477.09*	
08 71 11 00-2438	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	1,914.85	67.81
		For Owner Furnished Material, Deduct	*-1,643.60*	
08 71 11 00-2439	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,110.37	67.81
		For Owner Furnished Material, Deduct	*-1,839.12*	
08 71 11 00-2440	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,936.34	67.81
		For Owner Furnished Material, Deduct	*-1,665.09*	
08 71 11 00-2441		Residential Locks And Latchsets *(08 71 11 00-2270)*		
08 71 11 00-2442	EA	Residential Entry Lockset With Knobs (Master Keyed)	81.75	16.40
08 71 11 00-2443	EA	Residential Privacy Lockset With Knobs	79.93	16.40
08 71 11 00-2444	EA	Residential Passage Lockset With Knobs	79.69	16.40
08 71 11 00-2445	EA	Residential Dummy Lockset With Knobs	63.01	13.66
08 71 11 00-2446	EA	Residential Entry Lockset With Levers (Master Keyed)	94.29	16.40
08 71 11 00-2447	EA	Residential Privacy Lockset With Levers	90.12	16.40
08 71 11 00-2448	EA	Residential Passage Lockset With Levers	87.11	16.40
08 71 11 00-2449	EA	Residential Dummy Lockset With Levers	64.45	13.66
08 71 11 00-2450		Deadbolts *(08 71 11 00-2270)*		
08 71 11 00-2451		Cylindrical Deadbolts, Grade 1, ANSI 156.5 *(08 71 11 00-2450)*		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2452	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	188.23	27.12
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2453	EA	Double Cylinder Deadbolt, Key Both Sides	215.08	27.12
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2454		Cylindrical Deadbolts, Grade 2, ANSI 156.5 *(08 71 11 00-2450)*		
		Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2455	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	169.84	27.12
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2456	EA	Double Cylinder Deadbolt, Key Both Sides	199.17	27.12
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2457		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2450)*			
		Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.			
08 71 11 00-2458	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side		243.73	27.12
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).			
08 71 11 00-2459	EA	Small Case Mortised Deadbolt, Key Both Sides		268.59	27.12
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.			
08 71 11 00-2460	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side		238.76	27.12
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).			
08 71 11 00-2461		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2450)*			
		Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.			
08 71 11 00-2462	EA	Mortised Deadbolt, Key One Side, Knob One Side		311.34	27.12
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).			
08 71 11 00-2463	EA	Mortised Deadbolt, Key Both Sides		352.11	27.12
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.			
08 71 11 00-2464	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side		276.54	27.12
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).			
08 71 11 00-2465		**Surface Mounted Deadbolts** *(08 71 11 00-2450)*			
08 71 11 00-2466	EA	Single Cylinder Surface Mounted Deadbolt		129.78	27.12
		Note: Key one side, knob one side, bright brass finish.			
		For Brushed Chrome Finish, Add		*10.50*	
08 71 11 00-2467	EA	Double Cylinder Surface Mounted Deadbolt		147.75	27.12
		Note: Key both sides, bright brass finish.			
		For Brushed Chrome Finish, Add		*10.50*	
08 71 11 00-2468	EA	Single Cylinder Surface Mounted Interlocking Deadbolt		162.03	27.12
		Note: Jimmy proof, key one side, knob one side, bright brass finish.			
		For Brushed Chrome Finish, Add		*10.50*	
08 71 11 00-2469	EA	Double Cylinder Surface Mounted Interlocking Deadbolt		179.99	27.12
		Note: Jimmy proof, key both sides, bright brass finish.			
		For Brushed Chrome Finish, Add		*10.50*	
08 71 11 00-2470		**Surface Mounted Deadlatches** *(08 71 11 00-2270)*			
08 71 11 00-2471	EA	Single Cylinder Surface Mounted Deadlatch		131.19	27.12
		Note: Key one side, knob one side, bright brass finish.			
		For Brushed Chrome Finish, Add		*10.50*	
08 71 11 00-2472	EA	Single Cylinder Surface Mounted Interlocking Deadlatch		162.10	27.12
		Note: Jimmy proof, key one side, knob one side, bright brass finish.			
		For Brushed Chrome Finish, Add		*10.50*	
08 71 11 00-2473		**Electric Strikes** *(08 71 11 00-2270)*			
08 71 11 00-2474	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)		362.97	54.25
08 71 11 00-2475	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)		1,102.25	54.25
		Note: For rim mounted lock			
08 71 11 00-2476	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)		1,052.22	54.25
		Note: For rim mounted lock			
08 71 11 00-2477	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)		806.42	54.25
		Note: For mortise or cylindrical locks			
08 71 11 00-2478	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)		1,107.58	54.25
		Note: For mortise or cylindrical locks			
08 71 11 00-2479	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)		1,085.87	54.25
		Note: For mortise or cylindrical locks			
08 71 11 00-2480	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)		1,186.02	54.25
		Note: For mortise or cylindrical locks			
08 71 11 00-2481	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)		1,103.15	54.25
		Note: For mortise or cylindrical locks			
08 71 11 00-2482	EA	12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006)		670.05	54.25
08 71 11 00-2483	EA	12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)		666.00	54.25
08 71 11 00-2484	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)		316.92	54.25
08 71 11 00-2485	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)		316.92	54.25
08 71 11 00-2486	EA	12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)		411.74	54.25
08 71 11 00-2487	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)		747.08	54.25
08 71 11 00-2488	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)		360.84	54.25
08 71 11 00-2489	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)		685.14	54.25
08 71 11 00-2490	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body,Fire Rated Concealed Electric Strike (HES 8500)		603.39	54.25
08 71 11 00-2491	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)		714.26	71.61
08 71 11 00-2492	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)		816.22	71.61
08 71 11 00-2493	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)		714.80	71.61
08 71 11 00-2494		**Electric Hardware** *(08 71 11 00-2270)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2495	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	200.93	
08 71 11 00-2496	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	235.01	
08 71 11 00-2497	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	118.64	27.12
08 71 11 00-2498	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	392.52	27.12
08 71 11 00-2499	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	694.27	27.12
08 71 11 00-2500	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,073.05	27.12
08 71 11 00-2501	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,186.63	27.12
08 71 11 00-2502	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,420.23	27.12
08 71 11 00-2503	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,726.42	27.12
08 71 11 00-2504	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	98.80	27.12
08 71 11 00-2505	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	101.14	27.12
08 71 11 00-2506	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	115.50	27.12
08 71 11 00-2507	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	118.34	27.12
08 71 11 00-2508	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	119.80	27.12
08 71 11 00-2509	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	128.03	27.12
08 71 11 00-2510	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	100.29	27.12
08 71 11 00-2511	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	111.80	27.12
08 71 11 00-2512	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	120.91	27.12
08 71 11 00-2513	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	136.66	27.12
08 71 11 00-2514	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	141.03	27.12
08 71 11 00-2515	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	114.67	27.12
08 71 11 00-2516	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	130.79	27.12
08 71 11 00-2517	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	76.40	27.12
08 71 11 00-2518	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	88.86	27.12
08 71 11 00-2519	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	95.45	27.12
08 71 11 00-2520	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	102.51	27.12
08 71 11 00-2521	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	139.22	27.12
08 71 11 00-2522	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	154.55	27.12
08 71 11 00-2523	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	81.49	27.12
08 71 11 00-2524	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	86.30	27.12
08 71 11 00-2525	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.61	27.12
08 71 11 00-2526	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	123.38	27.12
08 71 11 00-2527	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	143.75	27.12
08 71 11 00-2528	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	177.21	27.12
08 71 11 00-2529	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	89.50	27.12
08 71 11 00-2530	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	96.87	27.12
08 71 11 00-2531	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	735.09	27.12
08 71 11 00-2532	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	796.94	37.98

08 71 11 00-2533 Magnetic Locks *(08 71 11 00-2270)*

08 71 11 00-2534	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	822.59	130.20
08 71 11 00-2535	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	992.19	146.48
08 71 11 00-2536	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	973.94	130.20
08 71 11 00-2537	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,143.23	146.48
08 71 11 00-2538	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,016.77	141.05
08 71 11 00-2539	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,120.57	141.05
08 71 11 00-2540	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	1,201.37	141.05
08 71 11 00-2541	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,315.62	162.75
08 71 11 00-2542	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,453.61	162.75
08 71 11 00-2543	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,515.76	162.75
08 71 11 00-2544	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	451.12	54.25
08 71 11 00-2545	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	761.12	54.25
08 71 11 00-2546	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	922.23	54.25

08 71 11 00-2547 Door Coordinators *(08 71 11)*

08 71 11 00-2548	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	509.58	33.91
		For Anodized Aluminum Finish, Deduct	*-149.58*	
08 71 11 00-2549	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	535.43	35.26
		For Anodized Aluminum Finish, Deduct	*-157.75*	
08 71 11 00-2550	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	547.75	36.62
		For Anodized Aluminum Finish, Deduct	*-160.51*	
08 71 11 00-2551	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	571.78	37.98
		For Anodized Aluminum Finish, Deduct	*-167.95*	
08 71 11 00-2552	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	614.11	39.33
		For Anodized Aluminum Finish, Deduct	*-182.72*	
08 71 11 00-2553	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	117.66	10.85
		For Anodized Aluminum Finish, Deduct	*-29.70*	
08 71 11 00-2554	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	129.38	12.21
		For Anodized Aluminum Finish, Deduct	*-32.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2555	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	149.03	13.57
		For Anodized Aluminum Finish, Deduct	*-37.91*	
08 71 11 00-2556	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	107.04	13.57
08 71 11 00-2557	EA	7" Projection COR Series Gravity Type Door Coordinator	157.97	20.34
		For Anodized Aluminum Finish, Deduct	*-30.64*	
08 71 11 00-2558	EA	9" Projection COR Series Gravity Type Door Coordinator	170.22	20.34
		For Anodized Aluminum Finish, Deduct	*-35.54*	
08 71 11 00-2559		Removal And Reinstallation Of Door Hardware *(08 71 11)*		
		Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2560	EA	Removal And Reinstallation Of Door Lockset, Entrance	81.38	
08 71 11 00-2561	EA	Removal And Reinstallation Of Door Lockset, Mortise	130.20	
08 71 11 00-2562	EA	Removal And Reinstallation Of Deadbolt Lock	86.81	
08 71 11 00-2563	PR	Removal And Reinstallation Of Butts/Hinges	21.70	
08 71 11 00-2564	EA	Removal And Reinstallation Of Door Bumper	7.59	
08 71 11 00-2565	EA	Removal And Reinstallation Of Surface Mounted Panic Device	217.01	
08 71 11 00-2566	EA	Removal And Reinstallation Of Kick Plate	27.12	
08 71 11 00-2567	EA	Removal And Reinstallation Of Push Plate	21.69	
08 71 11 00-2568	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	108.50	
08 71 11 00-2569	EA	Removal And Reinstallation Of Door Handles	16.28	
08 71 11 00-2570		Electromagnetic Door Release *(08 71 11)*		
08 71 11 00-2571	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	584.81	68.35
08 71 11 00-2572	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	569.58	68.35
08 71 11 00-2573	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	646.34	68.35
08 71 11 00-2574	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,099.45	68.35
08 71 11 00-2575	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,059.04	68.35
08 71 11 00-2576	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,059.04	68.35
08 71 11 00-2577	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	960.22	68.35
08 71 11 00-2578	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,210.08	68.35
08 71 11 00-2579	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,143.28	68.35
08 71 11 00-2580	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,424.55	68.35
08 71 11 00-2581	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	660.78	68.35
08 71 11 00-2582	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	648.98	68.35
08 71 11 00-2583	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,018.00	68.35
08 71 11 00-2584	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	698.52	68.35
08 71 11 00-2585	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	698.52	68.35
08 71 11 00-2586	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	698.52	68.35
08 71 13		**Automatic Door Operators** *(08 71)*		
08 71 13 00-0001		Automatic Door Operators (LCN) *(08 71 13)*		
08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131)	3,520.10	135.63
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142)	3,520.10	135.63
08 71 13 00-0004	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153)	6,930.58	217.01
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,425.04	135.63
08 71 13 00-0006	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,425.04	135.63
08 71 13 00-0007	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553)	7,611.84	217.01
08 71 13 00-0008	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563)	8,974.38	217.01
08 71 13 00-0009	EA	Door Position Switch (LCN 8310-805)	70.77	
08 71 13 00-0010	EA	3-Position Key Switch (LCN 8310-806K)	394.31	
08 71 13 00-0011	EA	4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813)	954.36	
08 71 13 00-0012	EA	1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818)	207.16	
08 71 13 00-0013	EA	36" High Full Length Actuator (LCN 8310-836T)	866.45	
08 71 13 00-0014	EA	6" Round Wall Mount Actuator (LCN 8310-852)	289.33	
08 71 13 00-0015	EA	42" x 4" x 6" Post Bollard (LCN 8310-866)	1,019.24	
08 71 13 00-0016	EA	Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX)	111.05	
08 71 13 00-0017	EA	Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607)	143.59	
08 71 13 00-0018		Automatic Door Operators (Stanley) *(08 71 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0019	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,265.27	135.63
08 71 13 00-0020	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	272.47	
08 71 13 00-0021	EA	Power Supply (Stanley Precision ELR151)	949.30	
08 71 13 00-0022	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,110.29	108.50
08 71 13 00-0023	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	489.77	72.37
08 71 13 00-0024	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	339.54	41.57
08 71 13 00-0025	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	213.97	41.57
08 71 13 00-0026	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	335.23	41.57
08 71 13 00-0027	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,132.40	62.41
08 71 13 00-0028		Miscellaneous Devices *(08 71 13)*		
08 71 13 00-0029	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	538.77	40.69
08 71 13 00-0030	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	158.21	24.41
08 71 13 00-0031	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	201.96	24.41
08 71 13 00-0032	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	111.75	24.41
08 71 53		**Security Door Hardware** *(08 71)*		
08 71 53 00-0001		Door Exit Alarm Hardware *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	378.13	40.69
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	528.10	40.69
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	442.19	40.69
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	574.83	40.69
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	665.63	54.25
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	116.09	54.25
08 72		**Weatherstripping, Thresholds and Seals** *(08 70)*		
08 72 33		**Weatherstripping and Seals** *(08 72)*		
08 72 33 00-0001		Weather-Stripping And Seals *(08 72 33)*		
08 72 33 00-0002		Astragals *(08 72 33 00-0001)* Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003		Adhesive Backed Astragals *(08 72 33 00-0002)*		
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.44	0.82
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	6.11	0.82
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.57	0.82
08 72 33 00-0007		Overlapping Astragals *(08 72 33 00-0002)*		
08 72 33 00-0008		Aluminum, Overlapping Astragals *(08 72 33 00-0007)*		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	20.86	4.88
		For Color Anodized Finish, Add	*3.36*	
08 72 33 00-0010		Stainless Steel, Overlapping Astragals *(08 72 33 00-0007)*		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	44.76	4.88
08 72 33 00-0012		"T" Astragals *(08 72 33 00-0002)*		
08 72 33 00-0013		Aluminum, "T" Astragals *(08 72 33 00-0012)*		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	12.67	4.88
		For Color Anodized Finish, Add	*1.06*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	16.60	4.88
		For Color Anodized Finish, Add	*1.39*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	17.21	4.88
		For Color Anodized Finish, Add	*2.65*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	34.05	4.88
		For Color Anodized Finish, Add	*8.54*	
08 72 33 00-0018	LF	Silicon Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BS)	86.88	4.88
08 72 33 00-0019	LF	Silicon Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CS)	18.94	4.88
08 72 33 00-0020	LF	Silicon Insert, 1-3/8" Width, 1/4" Height, Satin Nickel Anodized Aluminum, "T" Astragal (Pemko 355SNS)	22.15	4.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0021		**Brass/Bronze, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0022	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	62.38	4.88
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0023		**Locking Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0024		**Outswing Locking Astragals** *(08 72 33 00-0023)*		
		Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0025		**Aluminum, Outswing Locking Astragals** *(08 72 33 00-0024)*		
08 72 33 00-0026	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	46.45	4.88
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*7.36*	
08 72 33 00-0027	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	54.34	4.88
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*8.94*	
08 72 33 00-0028	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	52.43	4.88
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.57*	
08 72 33 00-0029	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	58.84	4.88
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.95*	
08 72 33 00-0030		**Inswing Locking Astragals** *(08 72 33 00-0023)*		
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0031		**Wood, Inswing Locking Astragals** *(08 72 33 00-0030)*		
08 72 33 00-0032	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	54.83	4.88
08 72 33 00-0033	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	54.54	4.88
		Note: Includes kerf-in foam seal.		
08 72 33 00-0034		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0030)*		
08 72 33 00-0035	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	29.92	4.88
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*4.05*	
08 72 33 00-0036	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	36.51	4.88
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*5.37*	
08 72 33 00-0037	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	32.41	4.88
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.55*	
08 72 33 00-0038	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	38.95	4.88
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*5.86*	
08 72 33 00-0039		**Security Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0040	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	27.72	4.88
		For Color Anodized Finish, Add	*18.07*	
08 72 33 00-0041	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	48.48	4.88
08 72 33 00-0042		**Meeting Stile Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0043		**One Piece, Meeting Stile Astragals** *(08 72 33 00-0042)*		
		Note: Includes an astragal for one door only.		
08 72 33 00-0044	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	16.37	4.88
		For Color Anodized Finish, Add	*2.02*	
08 72 33 00-0045	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	25.70	7.27
		For Color Anodized Finish, Add	*4.48*	
08 72 33 00-0046	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	35.45	7.27
		For Color Anodized Finish, Add	*2.10*	

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08 72 33 00-0047	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	36.70	7.27
		For Color Anodized Finish, Add	*5.55*	
08 72 33 00-0048	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	38.27	7.27
08 72 33 00-0049		**Two Piece, Meeting Stile Split Astragals** *(08 72 33 00-0042)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0050	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	19.64	7.27
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*5.15*	
08 72 33 00-0051	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	19.64	7.27
		For Color Anodized Finish, Add	*5.15*	
08 72 33 00-0052	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	19.64	7.27
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*5.15*	
08 72 33 00-0053	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	33.32	7.27
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.77*	
08 72 33 00-0054	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	26.59	7.27
		For Color Anodized Finish, Add	*4.84*	
08 72 33 00-0055	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	27.49	7.27
		For Color Anodized Finish, Add	*5.20*	
08 72 33 00-0056	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	34.21	7.27
		For Color Anodized Finish, Add	*9.86*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0057	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	35.11	7.27
		For Color Anodized Finish, Add	*8.25*	
08 72 33 00-0058	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	36.01	7.27
		For Color Anodized Finish, Add	*8.61*	
08 72 33 00-0059		**Two Piece, Adjustable Meeting Stile Split Astragals** *(08 72 33 00-0042)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0060		**Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0059)*		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	67.83	7.27
		For Color Anodized Finish, Add	*13.34*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	69.24	7.27
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*10.95*	
08 72 33 00-0063		**Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0059)*		
08 72 33 00-0064	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	193.07	7.27
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0065	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	180.58	7.27
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0066		**Door Sweeps** *(08 72 33 00-0001)*		
08 72 33 00-0067		**Tack On Door Sweeps** *(08 72 33 00-0066)*		
08 72 33 00-0068	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	7.01	2.71
08 72 33 00-0069	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	7.14	2.71
08 72 33 00-0070	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	7.54	2.71
08 72 33 00-0071		**Aluminum Retainer Door Sweeps** *(08 72 33 00-0066)*		
08 72 33 00-0072		**35 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0071)*		
		Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	17.34	5.43
		For Color Anodized Finish, Add	*2.60*	
08 72 33 00-0074	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	18.01	5.43
		For Color Anodized Finish, Add	*2.51*	

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08 72 33 00-0075		45 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0071)* Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0076	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	28.77	5.43
		For Color Anodized Finish, Add	*7.17*	
08 72 33 00-0077	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	31.46	5.43
		For Color Anodized Finish, Add	*8.25*	
08 72 33 00-0078	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	37.29	5.43
		For Color Anodized Finish, Add	*10.58*	
08 72 33 00-0079		90 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0071)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0080	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	19.58	5.43
		For Color Anodized Finish, Add	*0.87*	
08 72 33 00-0081	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	19.36	5.43
		For Color Anodized Finish, Add	*0.85*	
08 72 33 00-0082	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	20.93	5.43
		For Color Anodized Finish, Add	*3.53*	
08 72 33 00-0083	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	21.60	5.43
		For Color Anodized Finish, Add	*4.30*	
08 72 33 00-0084	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	18.91	5.43
		For Color Anodized Finish, Add	*2.02*	
08 72 33 00-0085	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	25.18	5.43
		For Color Anodized Finish, Add	*2.87*	
08 72 33 00-0086	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	20.25	5.43
		For Color Anodized Finish, Add	*1.88*	
08 72 33 00-0087	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	14.37	5.43
		For Color Anodized Finish, Add	*1.77*	
08 72 33 00-0088	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	14.54	5.43
		For Color Anodized Finish, Add	*1.85*	
08 72 33 00-0089	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	16.44	5.43
		For Color Anodized Finish, Add	*1.96*	
08 72 33 00-0090		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0071)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0091		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0090)*		
08 72 33 00-0092	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	16.89	5.43
		For Color Anodized Finish, Add	*2.42*	
08 72 33 00-0093	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	17.34	5.43
		For Color Anodized Finish, Add	*2.60*	
08 72 33 00-0094	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	20.93	5.43
		For Color Anodized Finish, Add	*3.53*	
08 72 33 00-0095		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0090)*		
08 72 33 00-0096	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	21.15	5.43
		For Color Anodized Finish, Add	*4.12*	
08 72 33 00-0097	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	21.60	5.43
		For Color Anodized Finish, Add	*4.30*	
08 72 33 00-0098	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	23.48	5.43
		For Color Anodized Finish, Add	*5.06*	
08 72 33 00-0099		Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0071)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0100	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	14.87	5.43
08 72 33 00-0101	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	14.87	5.43
08 72 33 00-0102	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	15.10	5.43
08 72 33 00-0103		Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0066)*		
08 72 33 00-0104		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0103)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0105	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	14.43	5.43
		For Color Anodized Finish, Add	*2.51*	
08 72 33 00-0106	LF	1/4" Vinyl Insert, 90 Degree, Clear Anodized Aluminum Retainer Door Sweep (Pemko 3452CV)	16.18	5.43
08 72 33 00-0107	LF	1/4" Vinyl Insert, 90 Degree, Satin Nickel Anodized Aluminum Retainer Door Sweep (Pemko 3452SNV)	16.52	5.43
08 72 33 00-0108	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	17.34	5.43
		For Color Anodized Finish, Add	*2.60*	
08 72 33 00-0109	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	19.52	5.43
		For Color Anodized Finish, Add	*1.74*	

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08 72 33 00-0110	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	19.92	5.43
		For Color Anodized Finish, Add	*1.82*	
08 72 33 00-0111		**Brass/Bronze Retainer Door Sweeps** *(08 72 33 00-0066)*		
08 72 33 00-0112		**90 Degree, Brass/Bronze Retainer Door Sweeps** *(08 72 33 00-0111)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0113	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	24.29	5.43
08 72 33 00-0114		**Oak Retainer Door Sweeps** *(08 72 33 00-0066)*		
08 72 33 00-0115		**90 Degree, Oak Retainer Door Sweeps** *(08 72 33 00-0114)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0116	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	19.13	5.43
08 72 33 00-0117	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	22.67	5.43
08 72 33 00-0118		**Door Shoes And Bottoms** *(08 72 33 00-0001)*		
08 72 33 00-0119		**Door Shoes** *(08 72 33 00-0118)*		
08 72 33 00-0120		**Aluminum Retainer Door Shoes** *(08 72 33 00-0119)*		
08 72 33 00-0121		**Bottom Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0120)*		
08 72 33 00-0122	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	16.22	5.43
		For Color Anodized Finish, Add	*2.15*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0123	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	16.89	5.43
		For Color Anodized Finish, Add	*2.42*	
08 72 33 00-0124	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	23.39	5.43
		For Color Anodized Finish, Add	*2.51*	
08 72 33 00-0125		**Side Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0120)*		
08 72 33 00-0126	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	19.13	5.43
		For Color Anodized Finish, Add	*3.32*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0127		**L Or U Shaped, Aluminum Retainer Door Shoes** *(08 72 33 00-0120)*		
08 72 33 00-0128	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	17.34	5.43
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0129	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	18.68	5.43
		For Color Anodized Finish, Add	*3.14*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	19.13	5.43
		For Color Anodized Finish, Add	*3.32*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	28.25	5.43
		For Color Anodized Finish, Add	*3.48*	
08 72 33 00-0132	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	28.70	5.43
		For Color Anodized Finish, Add	*3.57*	
08 72 33 00-0133	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216APK)	22.39	5.43
08 72 33 00-0134	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 216SNPK)	28.22	5.43
08 72 33 00-0135	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217APK)	20.44	5.43
08 72 33 00-0136	LF	PemkoPrene Insert, 1-3/4" Width, U-Shaped, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 217SNPK)	28.27	5.43
08 72 33 00-0137		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 72 33 00-0120)*		
08 72 33 00-0138	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	17.79	5.43
		For Color Anodized Finish, Add	*3.48*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0139	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	19.13	5.43
		For Color Anodized Finish, Add	*3.32*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0140	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	19.36	5.43
		For Color Anodized Finish, Add	*3.41*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0141		**Vinyl Door Shoes** *(08 72 33 00-0119)*		
08 72 33 00-0142	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	22.17	5.43
08 72 33 00-0143	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	27.28	5.43
08 72 33 00-0144		**Door Bottoms** *(08 72 33 00-0118)*		
08 72 33 00-0145		**Automatic Door Bottoms** *(08 72 33 00-0144)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0146		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	40.36	5.43
		For Color Anodized Finish, Add	*5.90*	
08 72 33 00-0148	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	58.83	5.43
		For Color Anodized Finish, Add	*9.60*	
08 72 33 00-0149		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0150	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	13.59	4.34
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.35*	
08 72 33 00-0151	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	13.59	4.34
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.35*	
08 72 33 00-0152	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	17.32	4.34
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.37*	
08 72 33 00-0153	EA	For 20 Oz Copper Drip Cap For Exterior Door	63.42	
08 72 33 00-0154		**Perimeter Gasketing Weather-Strip** *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0155		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 72 33 00-0154)*		
08 72 33 00-0156	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.30	2.71
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0157	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.35	2.71
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0158	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	5.78	2.71
08 72 33 00-0159	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	4.78	2.71
08 72 33 00-0160	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	6.52	2.71
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0161	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.00	2.71
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0162	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	8.15	2.71
08 72 33 00-0163	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	7.48	2.71
08 72 33 00-0164		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 72 33 00-0154)*		
08 72 33 00-0165	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	3.75	2.71
08 72 33 00-0166	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	5.95	2.71
08 72 33 00-0167	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	4.29	2.71
08 72 33 00-0168	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	4.22	2.71
08 72 33 00-0169	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	5.72	2.71
08 72 33 00-0170		**Cushion/Spring Perimeter Gasketing Weather-Strip** *(08 72 33 00-0154)*		
08 72 33 00-0171		**Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0170)*		
08 72 33 00-0172	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	8.84	2.71
08 72 33 00-0173	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	8.84	2.71
08 72 33 00-0174	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	9.52	2.71
08 72 33 00-0175	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	9.66	2.71
08 72 33 00-0176		**Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0170)*		
08 72 33 00-0177	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	8.47	2.71
08 72 33 00-0178	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	9.52	2.71
08 72 33 00-0179	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	10.67	2.71
08 72 33 00-0180		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0154)*		
08 72 33 00-0181		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0180)*		
08 72 33 00-0182	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	8.01	2.71
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.58*	
08 72 33 00-0183	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	8.01	2.71
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.58*	
08 72 33 00-0184	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	8.01	2.71
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.58*	
08 72 33 00-0185	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	14.84	2.71
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0186	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	15.29	2.71
		For Color Anodized Finish, Add	*4.93*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	15.29	2.71
		For Color Anodized Finish, Add	*3.45*	
08 72 33 00-0188		Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0180)*		
08 72 33 00-0189		Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	14.51	2.71
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0191		Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0192	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	16.28	2.71
08 72 33 00-0193		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0154)*		
08 72 33 00-0194		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0193)*		
08 72 33 00-0195	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	25.90	2.71
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0196	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	44.24	2.71
08 72 33 00-0197		Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0193)*		
08 72 33 00-0198		Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0197)*		
08 72 33 00-0199	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	38.14	2.71
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0200		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0154)*		
08 72 33 00-0201	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	20.12	5.43
		For Color Anodized Finish, Add	*3.71*	
08 72 33 00-0202	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	20.91	5.43
		For Color Anodized Finish, Add	*4.03*	
08 72 33 00-0203		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0154)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0204	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	27.52	2.71
		For Color Anodized Finish, Add	*4.42*	
08 72 33 00-0205	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	29.09	2.71
		For Color Anodized Finish, Add	*4.73*	
08 72 33 00-0206		Perimeter Gasketing Weather-Strip Applied To Header *(08 72 33 00-0154)*		
08 72 33 00-0207	LF	1-1/2" Wide x 1/4" High, Silicon Insert, Perimeter Gasketing (Pemko 2891AS)	17.96	5.43

08 72 43 Thresholds *(08 72)*

08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	30.21	8.68
		For Color Anodized Finish, Add	*3.41*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	34.02	8.68
		For Color Anodized Finish, Add	*4.93*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	39.21	10.84
		For Color Anodized Finish, Add	*8.47*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	43.49	10.84
		For Color Anodized Finish, Add	*8.19*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	48.63	10.84
		For Color Anodized Finish, Add	*7.53*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	56.25	10.84
		For Color Anodized Finish, Add	*7.29*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	67.51	13.02
		For Color Anodized Finish, Add	*8.74*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	72.67	13.02
		For Color Anodized Finish, Add	*10.03*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	80.89	13.02
		For Color Anodized Finish, Add	*12.09*	
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	33.34	8.68
		For Color Anodized Finish, Add	*4.08*	
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	33.57	8.68
		For Color Anodized Finish, Add	*5.94*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	41.01	10.84
		For Color Anodized Finish, Add	*9.73*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	45.38	10.84
		For Color Anodized Finish, Add	*9.14*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	49.07	10.84
		For Color Anodized Finish, Add	*7.69*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	56.25	10.84
		For Color Anodized Finish, Add	*7.29*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	70.20	13.02
		For Color Anodized Finish, Add	*13.18*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	74.91	13.02
		For Color Anodized Finish, Add	*16.94*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	79.62	13.02
		For Color Anodized Finish, Add	*18.83*	
08 72 43 00-0027		Brass/Bronze Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	77.36	8.68
08 72 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	119.94	8.68
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	145.01	10.84
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	174.48	10.84
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	203.14	10.84
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	235.89	10.84
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	302.73	13.02
08 72 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	158.11	10.84
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	190.86	10.84
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	223.61	10.84
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	264.54	10.84
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	375.05	13.02
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	356.28	13.02
08 72 43 00-0044		Stainless Steel Saddle Thresholds *(08 72 43 00-0003)*		
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	133.54	10.84
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	141.73	10.84
08 72 43 00-0048		Half Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0049		Aluminum Half Saddle Thresholds *(08 72 43 00-0048)*		
		Note: Includes mill finish.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0050		**3/4" Height, Aluminum Half Saddle Thresholds** *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	49.60	10.84
		For Color Anodized Finish, Add	*9.00*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	65.88	10.84
		For Color Anodized Finish, Add	*3.88*	
08 72 43 00-0053		**Offset Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0054		**Aluminum Offset Saddle Thresholds** *(08 72 43 00-0053)*		
		Note: Includes mill finish.		
08 72 43 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	49.75	10.84
		For Color Anodized Finish, Add	*11.32*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	55.57	10.84
		For Color Anodized Finish, Add	*9.96*	
08 72 43 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	49.75	10.84
		For Color Anodized Finish, Add	*11.32*	
08 72 43 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	57.81	10.84
		For Color Anodized Finish, Add	*10.75*	
08 72 43 00-0062		**Modular Ramp Thresholds** *(08 72 43 00-0001)*		
		Note: Includes mill finish.		
08 72 43 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	54.16	10.84
		For Non-Slip Surfacing, Add	*97.41*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	68.33	11.93
		For Non-Slip Surfacing, Add	*124.52*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	87.60	13.56
		For Non-Slip Surfacing, Add	*169.37*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	112.77	14.10
		For Non-Slip Surfacing, Add	*228.34*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	131.80	15.18
		For Non-Slip Surfacing, Add	*304.29*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	164.15	16.81
		For Non-Slip Surfacing, Add	*339.38*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	183.23	18.43
		For Non-Slip Surfacing, Add	*380.51*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	194.36	19.52
		For Non-Slip Surfacing, Add	*388.30*	
08 72 43 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	93.81	13.56
		For Non-Slip Surfacing, Add	*180.09*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	110.92	14.10
		For Non-Slip Surfacing, Add	*223.34*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	139.33	16.27
		For Non-Slip Surfacing, Add	*277.65*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	164.53	17.36
		For Non-Slip Surfacing, Add	*337.56*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	189.64	18.43
		For Non-Slip Surfacing, Add	*397.18*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	207.62	19.52
		For Non-Slip Surfacing, Add	*438.31*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	255.84	20.61
		For Non-Slip Surfacing, Add	*558.04*	
08 72 43 00-0080		**7" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	108.98	14.64
		For Non-Slip Surfacing, Add	*223.13*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	128.26	16.27
		For Non-Slip Surfacing, Add	*268.02*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	154.49	17.36
		For Non-Slip Surfacing, Add	*323.43*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	173.54	18.43
		For Non-Slip Surfacing, Add	*368.98*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	204.80	19.52
		For Non-Slip Surfacing, Add	*430.98*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	222.79	20.61
		For Non-Slip Surfacing, Add	*472.11*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	258.01	21.69
		For Non-Slip Surfacing, Add	*536.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0090		PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	268.04	13.56
			For Non-Slip Surfacing, Add	*28.91*	
08 72 43 00-0091		PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	415.59	13.56
			For Non-Slip Surfacing, Add	*46.62*	
08 72 43 00-0092		PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	826.13	18.98
			For Non-Slip Surfacing, Add	*94.58*	
08 72 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0094		PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	268.04	13.56
			For Non-Slip Surfacing, Add	*28.91*	
08 72 43 00-0095		PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	415.59	13.56
			For Non-Slip Surfacing, Add	*46.62*	
08 72 43 00-0096		PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	826.13	18.98
			For Non-Slip Surfacing, Add	*94.58*	
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)* Note: Includes vinyl or pile seal.		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)* Note: Includes mill finish.		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0101		LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	61.40	10.84
			For Color Anodized Finish, Add	*12.00*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0102		LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	49.97	10.84
			For Color Anodized Finish, Add	*11.43*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0103		LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	68.57	10.84
			For Color Anodized Finish, Add	*14.51*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0104		LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	71.71	10.84
			For Color Anodized Finish, Add	*15.61*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0106		LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	47.28	10.84
			For Color Anodized Finish, Add	*10.09*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0107		LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	50.42	10.84
			For Color Anodized Finish, Add	*11.66*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*		
08 72 43 00-0110		LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	53.78	10.84
			For Color Anodized Finish, Add	*10.67*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0111		LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	56.69	10.84
			For Color Anodized Finish, Add	*11.83*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0112		LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	60.95	10.84
			For Color Anodized Finish, Add	*11.84*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0113		LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	65.77	10.84
			For Color Anodized Finish, Add	*13.53*	
			For Thermoseal, Add	*0.63*	
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0117		LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	225.24	10.84
			For Thermoseal, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	208.87	10.84
		For Thermoseal, Add	*0.63*	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	300.57	10.84
		For Thermoseal, Add	*0.63*	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	268.80	10.84
		For Thermoseal, Add	*0.63*	
08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	221.64	10.84
		For Thermoseal, Add	*0.63*	
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	229.04	11.93
		For Thermoseal, Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	240.34	11.93
		For Thermoseal, Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	301.42	11.93
		For Thermoseal, Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	274.28	12.47
		For Thermoseal, Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)*		
		Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	35.36	8.68
		For Color Anodized Finish, Add	*5.47*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	28.39	7.59
		For Color Anodized Finish, Add	*3.29*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	43.92	8.68
		For Color Anodized Finish, Add	*6.72*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	53.33	8.68
		For Color Anodized Finish, Add	*10.49*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	25.48	7.59
		For Color Anodized Finish, Add	*1.63*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	28.39	7.59
		For Color Anodized Finish, Add	*2.82*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	44.59	10.84
		For Color Anodized Finish, Add	*6.99*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	47.28	10.84
		For Color Anodized Finish, Add	*6.05*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	121.74	8.68
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	160.82	7.59
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	145.83	10.84
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)*		
		Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	43.58	8.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	43.58	8.68
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	45.74	10.84
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	49.37	10.84
08 72 43 00-0158		Residential Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0159		Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	17.67	5.43
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	18.42	5.43
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	25.85	5.77
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	26.18	5.99
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	41.55	6.16
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	21.78	5.43
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	26.85	5.99
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	53.07	5.99
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	21.85	5.43
		For Color Anodized Finish, Add	*3.32*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	25.73	5.99
		For Color Anodized Finish, Add	*4.30*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	27.52	5.99
		For Color Anodized Finish, Add	*5.02*	
08 72 43 00-0173		Interlocking Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	51.93	6.16
		For Color Anodized Finish, Add	*10.96*	
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	33.48	5.77
		For Color Anodized Finish, Add	*5.72*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	29.99	5.99
		For Color Anodized Finish, Add	*7.51*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	35.35	6.16
		For Color Anodized Finish, Add	*5.99*	
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	38.93	6.16
		For Color Anodized Finish, Add	*11.77*	
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	166.87	6.16
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	125.50	5.99
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	170.96	6.16
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	245.08	6.33
08 72 43 00-0191		Residential Door Sills *(08 72 43 00-0001)*		
08 72 43 00-0192		Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	28.18	6.16
		For Color Anodized Finish, Add	*6.39*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	30.37	6.33
		For Color Anodized Finish, Add	*5.81*	
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	41.86	6.16
		For Color Anodized Finish, Add	*9.26*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	42.97	6.33
		For Color Anodized Finish, Add	*9.50*	
08 72 43 00-0198		Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	42.50	5.99
		For Color Anodized Finish, Add	*9.64*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	42.94	6.16
		For Color Anodized Finish, Add	*6.89*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	44.87	6.33
		For Color Anodized Finish, Add	*7.26*	
08 72 43 00-0202		Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	16.44	5.43
		For Color Anodized Finish, Add	*3.92*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	18.24	5.43
		For Color Anodized Finish, Add	*3.70*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	20.03	5.43
		For Color Anodized Finish, Add	*2.30*	
08 72 43 00-0206		Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	20.14	7.62
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	22.53	7.62
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	25.72	7.62
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	32.89	7.62
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	41.31	7.62
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	88.21	9.00

08 75 Window Hardware *(08 70)*

08 75 13 Automatic Window Equipment *(08 75)*

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	1,874.06	231.11

08 78 Special Function Hardware *(08 70)*

08 78 00 00-0001		Pad Locks *(08 78)*		
08 78 00 00-0002	EA	Combination Padlock	24.45	5.43
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	59.29	5.43
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	54.56	5.43
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	60.42	5.43
08 78 00 00-0006	EA	Commercial U-Bar Lock	73.95	5.43
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	61.60	5.43
08 78 00 00-0008	EA	High Security Padlocks	55.34	5.43
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	27.88	5.43

08 79 Hardware Accessories *(08 70)*

08 79 13 Key Storage Equipment *(08 79)*

08 79 13 00-0001		Key Cabinet *(08 79 13)*		
08 79 13 00-0002		Key Cabinets *(08 79 13 00-0001)*		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	601.79	19.52
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	815.72	21.69
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,844.66	32.54
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	4,789.67	43.38
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	5,126.19	28.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	11,617.82	21.69
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	252.51	8.68
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	361.35	10.84
08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	340.85	16.28
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	387.88	16.28
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	55.33	
08 79 13 00-0015	EA	Relocate Heavy Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	124.77	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*
Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	7.99
		For >50 To 200, Deduct	*-0.24*
		For >200 To 400, Deduct	*-0.48*
		For >400, Deduct	*-0.72*
		For Tinted Glass, Add	*2.00*
		For Reflective Coated Glass, Add	*3.60*
		For Low-E Coated Glass, Add	*2.00*
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	8.57
		For >50 To 200, Deduct	*-0.26*
		For >200 To 400, Deduct	*-0.51*
		For >400, Deduct	*-0.77*
		For Tinted Glass, Add	*2.14*
		For Reflective Coated Glass, Add	*3.86*
		For Low-E Coated Glass, Add	*2.14*
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	10.39
		For >50 To 200, Deduct	*-0.31*
		For >200 To 400, Deduct	*-0.62*
		For >400, Deduct	*-0.94*
		For Tinted Glass, Add	*2.60*
		For Reflective Coated Glass, Add	*4.68*
		For Low-E Coated Glass, Add	*2.60*
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	17.27
		For >50 To 200, Deduct	*-0.52*
		For >200 To 400, Deduct	*-1.04*
		For >400, Deduct	*-1.55*
		For Tinted Glass, Add	*4.32*
		For Reflective Coated Glass, Add	*7.77*
		For Low-E Coated Glass, Add	*4.32*
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	25.13
		For >50 To 200, Deduct	*-0.75*
		For >200 To 400, Deduct	*-1.51*
		For >400, Deduct	*-2.26*
		For Tinted Glass, Add	*6.28*
		For Reflective Coated Glass, Add	*11.31*
		For Low-E Coated Glass, Add	*6.28*
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	27.61
		For >50 To 200, Deduct	*-0.83*
		For >200 To 400, Deduct	*-1.66*
		For >400, Deduct	*-2.48*
		For Tinted Glass, Add	*6.90*
		For Reflective Coated Glass, Add	*12.42*
		For Low-E Coated Glass, Add	*6.90*
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	33.03
		For >50 To 200, Deduct	*-0.99*
		For >200 To 400, Deduct	*-1.98*
		For >400, Deduct	*-2.97*
		For Tinted Glass, Add	*8.26*
		For Reflective Coated Glass, Add	*14.86*
		For Low-E Coated Glass, Add	*8.26*
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	40.80
		For >50 To 200, Deduct	*-1.22*
		For >200 To 400, Deduct	*-2.45*
		For >400, Deduct	*-3.67*
		For Tinted Glass, Add	*10.20*
		For Reflective Coated Glass, Add	*18.36*
		For Low-E Coated Glass, Add	*10.20*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0011		**Heat Treated Factory Installed Glass** *(08 81 23 13)*		
08 81 23 13-0012		**Tempered, Clear Float Factory Installed Glass** *(08 81 23 13-0011)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	11.88	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.71*	
		For >400, Deduct	*-1.07*	
		For Tinted Glass, Add	*2.97*	
		For Reflective Coated Glass, Add	*5.35*	
		For Low-E Coated Glass, Add	*2.97*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	12.70	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.76*	
		For >400, Deduct	*-1.14*	
		For Tinted Glass, Add	*3.18*	
		For Reflective Coated Glass, Add	*5.72*	
		For Low-E Coated Glass, Add	*3.18*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	15.45	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.39*	
		For Tinted Glass, Add	*3.86*	
		For Reflective Coated Glass, Add	*6.95*	
		For Low-E Coated Glass, Add	*3.86*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	25.72	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.31*	
		For Tinted Glass, Add	*6.43*	
		For Reflective Coated Glass, Add	*11.57*	
		For Low-E Coated Glass, Add	*6.43*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	37.37	
		For >50 To 200, Deduct	*-1.12*	
		For >200 To 400, Deduct	*-2.24*	
		For >400, Deduct	*-3.36*	
		For Tinted Glass, Add	*9.34*	
		For Reflective Coated Glass, Add	*16.82*	
		For Low-E Coated Glass, Add	*9.34*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	41.06	
		For >50 To 200, Deduct	*-1.23*	
		For >200 To 400, Deduct	*-2.46*	
		For >400, Deduct	*-3.70*	
		For Tinted Glass, Add	*10.27*	
		For Reflective Coated Glass, Add	*18.48*	
		For Low-E Coated Glass, Add	*10.27*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	49.12	
		For >50 To 200, Deduct	*-1.47*	
		For >200 To 400, Deduct	*-2.95*	
		For >400, Deduct	*-4.42*	
		For Tinted Glass, Add	*12.28*	
		For Reflective Coated Glass, Add	*22.10*	
		For Low-E Coated Glass, Add	*12.28*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	60.68	
		For >50 To 200, Deduct	*-1.82*	
		For >200 To 400, Deduct	*-3.64*	
		For >400, Deduct	*-5.46*	
		For Tinted Glass, Add	*15.17*	
		For Reflective Coated Glass, Add	*27.31*	
		For Low-E Coated Glass, Add	*15.17*	
08 81 23 13-0021		**Patterned Factory Installed Glass** *(08 81 23 13)*		
08 81 23 13-0022		**Rough Obscure, Factory Installed Glass** *(08 81 23 13-0021)*		
		Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	55.53	
08 81 23 13-0024		**Patterned, Figured Factory Installed Glass** *(08 81 23 13-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	33.73	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	33.73	
08 81 23 13-0027		**Wired Factory Installed Glass** *(08 81 23 13)*		
08 81 23 13-0028		**Square Or Diamond Pattern, Wired Factory Installed Glass** *(08 81 23 13-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	87.31	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	87.31	
08 81 23 13-0031		**Polished, Wired Factory Installed Glass** *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	95.45	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	44.15	
		For >50 To 200, Deduct	*-1.32*	
		For >200 To 400, Deduct	*-2.65*	
		For >400, Deduct	*-3.97*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	57.92	
		For >50 To 200, Deduct	*-1.74*	
		For >200 To 400, Deduct	*-3.48*	
		For >400, Deduct	*-5.21*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	73.21	
		For >50 To 200, Deduct	*-2.20*	
		For >200 To 400, Deduct	*-4.39*	
		For >400, Deduct	*-6.59*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	109.44	
		For >50 To 200, Deduct	*-3.28*	
		For >200 To 400, Deduct	*-6.57*	
		For >400, Deduct	*-9.85*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	49.05	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	97.66	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	150.94	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	199.77	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	27.97	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*5.59*	
		For Reflective Coated Glass, Add	*8.39*	
		For Low-E Coated Glass, Add	*6.99*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		For One Piece Fully Tempered Glass, Add	*5.59*	
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	34.91	
		For >50 To 200, Deduct	*-1.05*	
		For >200 To 400, Deduct	*-2.09*	
		For >400, Deduct	*-3.14*	
		For Tinted Glass, Add	*6.98*	
		For Reflective Coated Glass, Add	*10.47*	
		For Low-E Coated Glass, Add	*8.73*	
		For One Piece Heat Strengthened Glass, Add	*6.98*	
		For One Piece Fully Tempered Glass, Add	*6.98*	
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	40.34	
		For >50 To 200, Deduct	*-1.21*	
		For >200 To 400, Deduct	*-2.42*	
		For >400, Deduct	*-3.63*	
		For Tinted Glass, Add	*8.07*	
		For Reflective Coated Glass, Add	*12.10*	
		For Low-E Coated Glass, Add	*10.09*	
		For One Piece Heat Strengthened Glass, Add	*8.07*	
		For One Piece Fully Tempered Glass, Add	*8.07*	
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	20.10	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.21*	
		For >400, Deduct	*-1.81*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*6.03*	
		For Low-E Coated Glass, Add	*5.03*	
		For One Piece Heat Strengthened Glass, Add	*4.02*	
		For One Piece Fully Tempered Glass, Add	*4.02*	
		For One Piece Obscure Glass, Add	*8.54*	
		For Argon Gas, Add	*2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	21.97	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.32*	
		For >400, Deduct	*-1.98*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*6.59*	
		For Low-E Coated Glass, Add	*5.49*	
		For One Piece Heat Strengthened Glass, Add	*4.39*	
		For One Piece Fully Tempered Glass, Add	*4.39*	
		For One Piece Obscure Glass, Add	*9.34*	
		For Argon Gas, Add	*3.02*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/16" air space.	22.01	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.32*	
		For >400, Deduct	*-1.98*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*6.60*	
		For Low-E Coated Glass, Add	*5.50*	
		For One Piece Heat Strengthened Glass, Add	*4.40*	
		For One Piece Fully Tempered Glass, Add	*4.40*	
		For One Piece Obscure Glass, Add	*9.35*	
		For Argon Gas, Add	*3.03*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	20.70	
		For >50 To 200, Deduct	*-0.62*	
		For >200 To 400, Deduct	*-1.24*	
		For >400, Deduct	*-1.86*	
		For Tinted Glass, Add	*3.11*	
		For Reflective Coated Glass, Add	*6.21*	
		For Low-E Coated Glass, Add	*5.18*	
		For One Piece Heat Strengthened Glass, Add	*4.14*	
		For One Piece Fully Tempered Glass, Add	*4.14*	
		For One Piece Obscure Glass, Add	*8.80*	
		For Argon Gas, Add	*2.85*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	21.97	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.32*	
		For >400, Deduct	*-1.98*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*6.59*	
		For Low-E Coated Glass, Add	*5.49*	
		For One Piece Heat Strengthened Glass, Add	*4.39*	
		For One Piece Fully Tempered Glass, Add	*4.39*	
		For One Piece Obscure Glass, Add	*9.34*	
		For Argon Gas, Add	*3.02*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	22.22	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-2.00*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.67*	
		For Low-E Coated Glass, Add	*5.56*	
		For One Piece Heat Strengthened Glass, Add	*4.44*	
		For One Piece Fully Tempered Glass, Add	*4.44*	
		For One Piece Obscure Glass, Add	*9.44*	
		For Argon Gas, Add	*3.06*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	22.22	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-2.00*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.67*	
		For Low-E Coated Glass, Add	*5.56*	
		For One Piece Heat Strengthened Glass, Add	*4.44*	
		For One Piece Fully Tempered Glass, Add	*4.44*	
		For One Piece Obscure Glass, Add	*9.44*	
		For Argon Gas, Add	*3.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	25.39	
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.52*	
		For >400, Deduct	*-2.29*	
		For Tinted Glass, Add	*3.81*	
		For Reflective Coated Glass, Add	*7.62*	
		For Low-E Coated Glass, Add	*6.35*	
		For One Piece Heat Strengthened Glass, Add	*5.08*	
		For One Piece Fully Tempered Glass, Add	*5.08*	
		For One Piece Obscure Glass, Add	*10.79*	
		For Argon Gas, Add	*3.49*	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	22.22	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-2.00*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.67*	
		For Low-E Coated Glass, Add	*5.56*	
		For One Piece Heat Strengthened Glass, Add	*4.44*	
		For One Piece Fully Tempered Glass, Add	*4.44*	
		For One Piece Obscure Glass, Add	*9.44*	
		For Argon Gas, Add	*3.06*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space.	23.28	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.40*	
		For >400, Deduct	*-2.10*	
		For Tinted Glass, Add	*3.49*	
		For Reflective Coated Glass, Add	*6.98*	
		For Low-E Coated Glass, Add	*5.82*	
		For One Piece Heat Strengthened Glass, Add	*4.66*	
		For One Piece Fully Tempered Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*9.89*	
		For Argon Gas, Add	*3.20*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	25.82	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.32*	
		For Tinted Glass, Add	*3.87*	
		For Reflective Coated Glass, Add	*7.75*	
		For Low-E Coated Glass, Add	*6.46*	
		For One Piece Heat Strengthened Glass, Add	*5.16*	
		For One Piece Fully Tempered Glass, Add	*5.16*	
		For One Piece Obscure Glass, Add	*10.97*	
		For Argon Gas, Add	*3.55*	
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass Note: Two 5/16" lites with 3/8" air space.	29.16	
		For >50 To 200, Deduct	*-0.87*	
		For >200 To 400, Deduct	*-1.75*	
		For >400, Deduct	*-2.62*	
		For Tinted Glass, Add	*4.37*	
		For Reflective Coated Glass, Add	*8.75*	
		For Low-E Coated Glass, Add	*7.29*	
		For One Piece Heat Strengthened Glass, Add	*5.83*	
		For One Piece Fully Tempered Glass, Add	*5.83*	
		For One Piece Obscure Glass, Add	*12.39*	
		For Argon Gas, Add	*4.01*	
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	23.28	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.40*	
		For >400, Deduct	*-2.10*	
		For Tinted Glass, Add	*3.49*	
		For Reflective Coated Glass, Add	*6.98*	
		For Low-E Coated Glass, Add	*5.82*	
		For One Piece Heat Strengthened Glass, Add	*4.66*	
		For One Piece Fully Tempered Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*9.89*	
		For Argon Gas, Add	*3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	25.82	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.32*	
		For Tinted Glass, Add	*3.87*	
		For Reflective Coated Glass, Add	*7.75*	
		For Low-E Coated Glass, Add	*6.46*	
		For One Piece Heat Strengthened Glass, Add	*5.16*	
		For One Piece Fully Tempered Glass, Add	*5.16*	
		For One Piece Obscure Glass, Add	*10.97*	
		For Argon Gas, Add	*3.55*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	25.82	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.32*	
		For Tinted Glass, Add	*3.87*	
		For Reflective Coated Glass, Add	*7.75*	
		For Low-E Coated Glass, Add	*6.46*	
		For One Piece Heat Strengthened Glass, Add	*5.16*	
		For One Piece Fully Tempered Glass, Add	*5.16*	
		For One Piece Obscure Glass, Add	*10.97*	
		For Argon Gas, Add	*3.55*	
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	28.23	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.69*	
		For >400, Deduct	*-2.54*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*8.47*	
		For Low-E Coated Glass, Add	*7.06*	
		For One Piece Heat Strengthened Glass, Add	*5.65*	
		For One Piece Fully Tempered Glass, Add	*5.65*	
		For One Piece Obscure Glass, Add	*12.00*	
		For Argon Gas, Add	*3.88*	

08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*

08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	79.05	
		For >50 To 200, Deduct	*-2.37*	
		For >200 To 400, Deduct	*-4.74*	
		For >400, Deduct	*-7.11*	
		For Tinted Glass, Add	*11.86*	
		For Reflective Coated Glass, Add	*23.72*	
		For Low-E Coated Glass, Add	*19.76*	
		For Argon Gas, Add	*10.87*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	95.98	
		For >50 To 200, Deduct	*-2.88*	
		For >200 To 400, Deduct	*-5.76*	
		For >400, Deduct	*-8.64*	
		For Tinted Glass, Add	*14.40*	
		For Reflective Coated Glass, Add	*28.79*	
		For Low-E Coated Glass, Add	*24.00*	
		For Argon Gas, Add	*13.20*	
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	112.91	
		For >50 To 200, Deduct	*-3.39*	
		For >200 To 400, Deduct	*-6.77*	
		For >400, Deduct	*-10.16*	
		For Tinted Glass, Add	*16.94*	
		For Reflective Coated Glass, Add	*33.87*	
		For Low-E Coated Glass, Add	*28.23*	
		For Argon Gas, Add	*15.53*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

08 81 23 23-0001 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Clear Float Field Installed Glass	22.62	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.63*	
		For Tinted Glass, Add	*2.00*	
		For Reflective Coated Glass, Add	*3.60*	
		For Low-E Coated Glass, Add	*2.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0004	SF	3/16" Thick, Clear Float Field Installed Glass	24.32	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.51*	
		For >400, Deduct	*-0.77*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.75*	
		For Tinted Glass, Add	*2.14*	
		For Reflective Coated Glass, Add	*3.86*	
		For Low-E Coated Glass, Add	*2.14*	
08 81 23 23-0005	SF	1/4" Thick, Clear Float Field Installed Glass	27.26	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
		For Tinted Glass, Add	*2.60*	
		For Reflective Coated Glass, Add	*4.68*	
		For Low-E Coated Glass, Add	*2.60*	
08 81 23 23-0006	SF	5/16" Thick, Clear Float Field Installed Glass	36.40	
		For >50 To 200, Deduct	*-0.52*	
		For >200 To 400, Deduct	*-1.04*	
		For >400, Deduct	*-1.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.13*	
		For Tinted Glass, Add	*4.32*	
		For Reflective Coated Glass, Add	*7.77*	
		For Low-E Coated Glass, Add	*4.32*	
08 81 23 23-0007	SF	3/8" Thick, Clear Float Field Installed Glass	46.50	
		For >50 To 200, Deduct	*-0.75*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.37*	
		For Tinted Glass, Add	*6.28*	
		For Reflective Coated Glass, Add	*11.31*	
		For Low-E Coated Glass, Add	*6.28*	
08 81 23 23-0008	SF	1/2" Thick, Clear Float Field Installed Glass	51.23	
		For >50 To 200, Deduct	*-0.83*	
		For >200 To 400, Deduct	*-1.66*	
		For >400, Deduct	*-2.48*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.62*	
		For Tinted Glass, Add	*6.90*	
		For Reflective Coated Glass, Add	*12.42*	
		For Low-E Coated Glass, Add	*6.90*	
08 81 23 23-0009	SF	5/8" Thick, Clear Float Field Installed Glass	62.27	
		For >50 To 200, Deduct	*-0.99*	
		For >200 To 400, Deduct	*-1.98*	
		For >400, Deduct	*-2.97*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.24*	
		For Tinted Glass, Add	*8.26*	
		For Reflective Coated Glass, Add	*14.86*	
		For Low-E Coated Glass, Add	*8.26*	
08 81 23 23-0010	SF	3/4" Thick, Clear Float Field Installed Glass	75.67	
		For >50 To 200, Deduct	*-1.22*	
		For >200 To 400, Deduct	*-2.45*	
		For >400, Deduct	*-3.67*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*34.87*	
		For Tinted Glass, Add	*10.20*	
		For Reflective Coated Glass, Add	*18.36*	
		For Low-E Coated Glass, Add	*10.20*	

08 81 23 23-0011 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	26.51	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.71*	
		For >400, Deduct	*-1.07*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.63*	
		For Tinted Glass, Add	*2.97*	
		For Reflective Coated Glass, Add	*5.35*	
		For Low-E Coated Glass, Add	*2.97*	
08 81 23 23-0014	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	28.45	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.76*	
		For >400, Deduct	*-1.14*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.75*	
		For Tinted Glass, Add	*3.18*	
		For Reflective Coated Glass, Add	*5.72*	
		For Low-E Coated Glass, Add	*3.18*	
08 81 23 23-0015	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	32.32	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.39*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
		For Tinted Glass, Add	*3.86*	
		For Reflective Coated Glass, Add	*6.95*	
		For Low-E Coated Glass, Add	*3.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0016		SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	44.85	
			For >50 To 200, Deduct	*-0.77*	
			For >200 To 400, Deduct	*-1.54*	
			For >400, Deduct	*-2.31*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*19.13*	
			For Tinted Glass, Add	*6.43*	
			For Reflective Coated Glass, Add	*11.57*	
			For Low-E Coated Glass, Add	*6.43*	
08 81 23 23-0017		SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	58.74	
			For >50 To 200, Deduct	*-1.12*	
			For >200 To 400, Deduct	*-2.24*	
			For >400, Deduct	*-3.36*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*21.37*	
			For Tinted Glass, Add	*9.34*	
			For Reflective Coated Glass, Add	*16.82*	
			For Low-E Coated Glass, Add	*9.34*	
08 81 23 23-0018		SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	64.68	
			For >50 To 200, Deduct	*-1.23*	
			For >200 To 400, Deduct	*-2.46*	
			For >400, Deduct	*-3.70*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*23.62*	
			For Tinted Glass, Add	*10.27*	
			For Reflective Coated Glass, Add	*18.48*	
			For Low-E Coated Glass, Add	*10.27*	
08 81 23 23-0019		SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	78.36	
			For >50 To 200, Deduct	*-1.47*	
			For >200 To 400, Deduct	*-2.95*	
			For >400, Deduct	*-4.42*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*29.24*	
			For Tinted Glass, Add	*12.28*	
			For Reflective Coated Glass, Add	*22.10*	
			For Low-E Coated Glass, Add	*12.28*	
08 81 23 23-0020		SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	95.55	
			For >50 To 200, Deduct	*-1.82*	
			For >200 To 400, Deduct	*-3.64*	
			For >400, Deduct	*-5.46*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*34.87*	
			For Tinted Glass, Add	*15.17*	
			For Reflective Coated Glass, Add	*27.31*	
			For Low-E Coated Glass, Add	*15.17*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023		SF	1/4" Thick, Rough Obscure Field Installed Glass	72.40	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025		SF	1/8" Thick, Patterned, Figured Field Installed Glass	48.36	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.63*	
08 81 23 23-0026		SF	7/32" Thick, Patterned, Figured Field Installed Glass	50.04	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.31*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029		SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	104.18	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
08 81 23 23-0030		SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	104.18	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	

08 81 23 23-0031 Polished, Wired Field Installed Glass *(08 81 23 23-0027)*

08 81 23 23-0032		SF	1/4" Thick, Polished, Wired Field Installed Glass	112.32	
			For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	

08 81 23 23-0033 Frosted Field Installed Glass *(08 81 23 23)*

08 81 23 23-0034 Frosted Field Installed Glass *(08 81 23 23-0033)*

08 81 23 23-0035		SF	1/8" Thick, Frosted Field Installed Glass	58.78	
			For >50 To 200, Deduct	*-1.32*	
			For >200 To 400, Deduct	*-2.65*	
			For >400, Deduct	*-3.97*	
			For Glass Removal And Preparing Opening For New Glazing, Add	*14.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	73.67	
		For >50 To 200, Deduct	*-1.74*	
		For >200 To 400, Deduct	*-3.48*	
		For >400, Deduct	*-5.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.75*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	90.08	
		For >50 To 200, Deduct	*-2.20*	
		For >200 To 400, Deduct	*-4.39*	
		For >400, Deduct	*-6.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	130.81	
		For >50 To 200, Deduct	*-3.28*	
		For >200 To 400, Deduct	*-6.57*	
		For >400, Deduct	*-9.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.37*	
08 81 23 23-0039		Fire Rated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0040		Fire Rated Field Installed Glass *(08 81 23 23-0039)*		
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	65.92	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	114.53	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	167.81	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	216.64	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
08 81 23 23-0045		Laminated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	44.84	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.87*	
		For Tinted Glass, Add	*5.59*	
		For Reflective Coated Glass, Add	*8.39*	
		For Low-E Coated Glass, Add	*6.99*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		For One Piece Fully Tempered Glass, Add	*5.59*	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	56.28	
		For >50 To 200, Deduct	*-1.05*	
		For >200 To 400, Deduct	*-2.09*	
		For >400, Deduct	*-3.14*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.37*	
		For Tinted Glass, Add	*6.98*	
		For Reflective Coated Glass, Add	*10.47*	
		For Low-E Coated Glass, Add	*8.73*	
		For One Piece Heat Strengthened Glass, Add	*6.98*	
		For One Piece Fully Tempered Glass, Add	*6.98*	
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	63.96	
		For >50 To 200, Deduct	*-1.21*	
		For >200 To 400, Deduct	*-2.42*	
		For >400, Deduct	*-3.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.62*	
		For Tinted Glass, Add	*8.07*	
		For Reflective Coated Glass, Add	*12.10*	
		For Low-E Coated Glass, Add	*10.09*	
		For One Piece Heat Strengthened Glass, Add	*8.07*	
		For One Piece Fully Tempered Glass, Add	*8.07*	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	71.82	
		For >50 To 200, Deduct	*-1.36*	
		For >200 To 400, Deduct	*-2.72*	
		For >400, Deduct	*-4.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.44*	
		For Tinted Glass, Add	*9.08*	
		For Reflective Coated Glass, Add	*13.61*	
		For Low-E Coated Glass, Add	*11.35*	
		For One Piece Heat Strengthened Glass, Add	*9.08*	
		For One Piece Fully Tempered Glass, Add	*9.08*	
08 81 23 23-0051		Insulated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0052		Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 3/16" air space.	39.00	
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.21*	
		For >400, Deduct	*-1.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.90*	
		For Tinted Glass, Add	*3.02*	
		For Reflective Coated Glass, Add	*6.03*	
		For Low-E Coated Glass, Add	*5.03*	
		For One Piece Heat Strengthened Glass, Add	*4.02*	
		For One Piece Fully Tempered Glass, Add	*4.02*	
		For One Piece Obscure Glass, Add	*8.54*	
		For Argon Gas, Add	*2.76*	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	41.66	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.32*	
		For >400, Deduct	*-1.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.69*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*6.59*	
		For Low-E Coated Glass, Add	*5.49*	
		For One Piece Heat Strengthened Glass, Add	*4.39*	
		For One Piece Fully Tempered Glass, Add	*4.39*	
		For One Piece Obscure Glass, Add	*9.34*	
		For Argon Gas, Add	*3.02*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/16" air space.	42.03	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.32*	
		For >400, Deduct	*-1.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.02*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*6.60*	
		For Low-E Coated Glass, Add	*5.50*	
		For One Piece Heat Strengthened Glass, Add	*4.40*	
		For One Piece Fully Tempered Glass, Add	*4.40*	
		For One Piece Obscure Glass, Add	*9.35*	
		For Argon Gas, Add	*3.03*	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 1/4" air space.	39.94	
		For >50 To 200, Deduct	*-0.62*	
		For >200 To 400, Deduct	*-1.24*	
		For >400, Deduct	*-1.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.24*	
		For Tinted Glass, Add	*3.11*	
		For Reflective Coated Glass, Add	*6.21*	
		For Low-E Coated Glass, Add	*5.18*	
		For One Piece Heat Strengthened Glass, Add	*4.14*	
		For One Piece Fully Tempered Glass, Add	*4.14*	
		For One Piece Obscure Glass, Add	*8.80*	
		For Argon Gas, Add	*2.85*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/4" air space.	41.66	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.32*	
		For >400, Deduct	*-1.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.69*	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*6.59*	
		For Low-E Coated Glass, Add	*5.49*	
		For One Piece Heat Strengthened Glass, Add	*4.39*	
		For One Piece Fully Tempered Glass, Add	*4.39*	
		For One Piece Obscure Glass, Add	*9.34*	
		For Argon Gas, Add	*3.02*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/4" air space.	43.22	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-2.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.00*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.67*	
		For Low-E Coated Glass, Add	*5.56*	
		For One Piece Heat Strengthened Glass, Add	*4.44*	
		For One Piece Fully Tempered Glass, Add	*4.44*	
		For One Piece Obscure Glass, Add	*9.44*	
		For Argon Gas, Add	*3.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	43.22	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-2.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.00*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.67*	
		For Low-E Coated Glass, Add	*5.56*	
		For One Piece Heat Strengthened Glass, Add	*4.44*	
		For One Piece Fully Tempered Glass, Add	*4.44*	
		For One Piece Obscure Glass, Add	*9.44*	
		For Argon Gas, Add	*3.06*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	48.31	
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.52*	
		For >400, Deduct	*-2.29*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.92*	
		For Tinted Glass, Add	*3.81*	
		For Reflective Coated Glass, Add	*7.62*	
		For Low-E Coated Glass, Add	*6.35*	
		For One Piece Heat Strengthened Glass, Add	*5.08*	
		For One Piece Fully Tempered Glass, Add	*5.08*	
		For One Piece Obscure Glass, Add	*10.79*	
		For Argon Gas, Add	*3.49*	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 3/8" air space.	43.22	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-2.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.00*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.67*	
		For Low-E Coated Glass, Add	*5.56*	
		For One Piece Heat Strengthened Glass, Add	*4.44*	
		For One Piece Fully Tempered Glass, Add	*4.44*	
		For One Piece Obscure Glass, Add	*9.44*	
		For Argon Gas, Add	*3.06*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/8" air space.	46.20	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.40*	
		For >400, Deduct	*-2.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.92*	
		For Tinted Glass, Add	*3.49*	
		For Reflective Coated Glass, Add	*6.98*	
		For Low-E Coated Glass, Add	*5.82*	
		For One Piece Heat Strengthened Glass, Add	*4.66*	
		For One Piece Fully Tempered Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*9.89*	
		For Argon Gas, Add	*3.20*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 3/8" air space.	49.22	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.40*	
		For Tinted Glass, Add	*3.87*	
		For Reflective Coated Glass, Add	*7.75*	
		For Low-E Coated Glass, Add	*6.46*	
		For One Piece Heat Strengthened Glass, Add	*5.16*	
		For One Piece Fully Tempered Glass, Add	*5.16*	
		For One Piece Obscure Glass, Add	*10.97*	
		For Argon Gas, Add	*3.55*	
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass Note: Two 5/16" lites with 3/8" air space.	52.78	
		For >50 To 200, Deduct	*-0.87*	
		For >200 To 400, Deduct	*-1.75*	
		For >400, Deduct	*-2.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.62*	
		For Tinted Glass, Add	*4.37*	
		For Reflective Coated Glass, Add	*8.75*	
		For Low-E Coated Glass, Add	*7.29*	
		For One Piece Heat Strengthened Glass, Add	*5.83*	
		For One Piece Fully Tempered Glass, Add	*5.83*	
		For One Piece Obscure Glass, Add	*12.39*	
		For Argon Gas, Add	*4.01*	
08 81 23 23-0068		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/2" air space.	46.20	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.40*	
		For >400, Deduct	*-2.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.92*	
		For Tinted Glass, Add	*3.49*	
		For Reflective Coated Glass, Add	*6.98*	
		For Low-E Coated Glass, Add	*5.82*	
		For One Piece Heat Strengthened Glass, Add	*4.66*	
		For One Piece Fully Tempered Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*9.89*	
		For Argon Gas, Add	*3.20*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/2" air space.	49.22	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.40*	
		For Tinted Glass, Add	*3.87*	
		For Reflective Coated Glass, Add	*7.75*	
		For Low-E Coated Glass, Add	*6.46*	
		For One Piece Heat Strengthened Glass, Add	*5.16*	
		For One Piece Fully Tempered Glass, Add	*5.16*	
		For One Piece Obscure Glass, Add	*10.97*	
		For Argon Gas, Add	*3.55*	
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	49.22	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.40*	
		For Tinted Glass, Add	*3.87*	
		For Reflective Coated Glass, Add	*7.75*	
		For Low-E Coated Glass, Add	*6.46*	
		For One Piece Heat Strengthened Glass, Add	*5.16*	
		For One Piece Fully Tempered Glass, Add	*5.16*	
		For One Piece Obscure Glass, Add	*10.97*	
		For Argon Gas, Add	*3.55*	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	51.85	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.69*	
		For >400, Deduct	*-2.54*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.62*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*8.47*	
		For Low-E Coated Glass, Add	*7.06*	
		For One Piece Heat Strengthened Glass, Add	*5.65*	
		For One Piece Fully Tempered Glass, Add	*5.65*	
		For One Piece Obscure Glass, Add	*12.00*	
		For Argon Gas, Add	*3.88*	

08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	102.67	
		For >50 To 200, Deduct	*-2.37*	
		For >200 To 400, Deduct	*-4.74*	
		For >400, Deduct	*-7.11*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.62*	
		For Tinted Glass, Add	*11.86*	
		For Reflective Coated Glass, Add	*23.72*	
		For Low-E Coated Glass, Add	*19.76*	
		For Argon Gas, Add	*10.87*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	122.98	
		For >50 To 200, Deduct	*-2.88*	
		For >200 To 400, Deduct	*-5.76*	
		For >400, Deduct	*-8.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*27.00*	
		For Tinted Glass, Add	*14.40*	
		For Reflective Coated Glass, Add	*28.79*	
		For Low-E Coated Glass, Add	*24.00*	
		For Argon Gas, Add	*13.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	143.85	
		For >50 To 200, Deduct	*-3.39*	
		For >200 To 400, Deduct	*-6.77*	
		For >400, Deduct	*-10.16*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*30.94*	
		For Tinted Glass, Add	*16.94*	
		For Reflective Coated Glass, Add	*33.87*	
		For Low-E Coated Glass, Add	*28.23*	
		For Argon Gas, Add	*15.53*	
08 81 23 23-0077		Spandrel Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0078		Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0077)*		
08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	40.31	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	35.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	
08 81 23 23-0081		Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0077)*		
08 81 23 23-0082		1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0081)* Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	45.13	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	39.89	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	
08 81 23 23-0085		1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*		
08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	54.23	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	43.94	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0001		Mirror Glass *(08 83 13)*		
08 83 13 00-0002		One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*		
08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	88.59	8.44
		For >50 To 200, Deduct	*-2.16*	
		For >200 To 400, Deduct	*-3.60*	
		For >400, Deduct	*-5.75*	
08 83 13 00-0004		Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*		
08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	124.28	8.44
		For >50 To 200, Deduct	*-3.23*	
		For >200 To 400, Deduct	*-5.38*	
		For >400, Deduct	*-8.61*	
08 83 13 00-0006		Clear Mirror Glass *(08 83 13 00-0001)*		
08 83 13 00-0007	SF	1/8" Clear Mirror Glass	29.47	6.75
		For >50 To 200, Deduct	*-0.48*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.28*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	34.87	7.87
		For >50 To 200, Deduct	*-0.58*	
		For >200 To 400, Deduct	*-0.97*	
		For >400, Deduct	*-1.55*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	38.25	8.44
		For >50 To 200, Deduct	*-0.65*	
		For >200 To 400, Deduct	*-1.08*	
		For >400, Deduct	*-1.73*	
08 83 13 00-0010		Tempered, Clear Mirror Glass *(08 83 13 00-0001)*		
08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	48.63	6.75
		For >50 To 200, Deduct	*-1.05*	
		For >200 To 400, Deduct	*-1.76*	
		For >400, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	55.20	7.87
		For >50 To 200, Deduct	*-1.19*	
		For >200 To 400, Deduct	*-1.98*	
		For >400, Deduct	*-3.18*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	60.92	8.44
		For >50 To 200, Deduct	*-1.33*	
		For >200 To 400, Deduct	*-2.21*	
		For >400, Deduct	*-3.54*	
08 83 13 00-0014		Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*		
08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	41.05	8.44
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.22*	
		For >400, Deduct	*-1.95*	
08 83 13 00-0016		Laminated Safety Mirror Glass *(08 83 13 00-0001)*		
		Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	79.04	8.44
		For >50 To 200, Deduct	*-1.87*	
		For >200 To 400, Deduct	*-3.12*	
		For >400, Deduct	*-4.99*	
08 83 13 00-0018		Accessories For Mirror Glass *(08 83 13)*		
08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	5.55	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	5.66	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	7.15	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	9.23	

08 84 Plastic Glazing *(08 80)*

08 84 00 00-0001		Clear Polycarbonate Glazing (GE Lexan) *(08 84)*		
08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	19.93	
		For >50 To 200, Deduct	*-0.47*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.40*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.61*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.01	
		For >50 To 200, Deduct	*-0.50*	
		For >200 To 400, Deduct	*-1.00*	
		For >400, Deduct	*-1.50*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.03*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	24.99	
		For >50 To 200, Deduct	*-0.68*	
		For >200 To 400, Deduct	*-1.35*	
		For >400, Deduct	*-2.03*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.47*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	36.09	
		For >50 To 200, Deduct	*-1.21*	
		For >200 To 400, Deduct	*-2.43*	
		For >400, Deduct	*-3.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.80*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	45.66	
		For >50 To 200, Deduct	*-1.65*	
		For >200 To 400, Deduct	*-3.30*	
		For >400, Deduct	*-4.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 84 00 00-0007		Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*		
08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	29.77	
		For >50 To 200, Deduct	*-0.96*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-2.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.61*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	34.60	
		For >50 To 200, Deduct	*-1.18*	
		For >200 To 400, Deduct	*-2.36*	
		For >400, Deduct	*-3.54*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.03*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	36.55	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.51*	
		For >400, Deduct	*-3.76*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.47*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	60.25	
		For >50 To 200, Deduct	*-2.42*	
		For >200 To 400, Deduct	*-4.85*	
		For >400, Deduct	*-7.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	64.00	
		For >50 To 200, Deduct	*-2.57*	
		For >200 To 400, Deduct	*-5.14*	
		For >400, Deduct	*-7.70*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 84 00 00-0013		**Clear Acrylic Glazing (Plexiglas)** *(08 84)*		
08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	14.29	
		For >50 To 200, Deduct	*-0.21*	
		For >200 To 400, Deduct	*-0.42*	
		For >400, Deduct	*-0.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.13*	
		For Colored, Add	*0.83*	
		For Shatterproof, Add	*2.50*	
		For Mirrored, Add	*3.33*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	14.81	
		For >50 To 200, Deduct	*-0.21*	
		For >200 To 400, Deduct	*-0.42*	
		For >400, Deduct	*-0.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.61*	
		For Colored, Add	*0.84*	
		For Shatterproof, Add	*2.52*	
		For Mirrored, Add	*3.36*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	17.59	
		For >50 To 200, Deduct	*-0.33*	
		For >200 To 400, Deduct	*-0.66*	
		For >400, Deduct	*-0.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.03*	
		For Colored, Add	*1.31*	
		For Shatterproof, Add	*3.94*	
		For Mirrored, Add	*5.25*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	20.12	
		For >50 To 200, Deduct	*-0.43*	
		For >200 To 400, Deduct	*-0.87*	
		For >400, Deduct	*-1.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.47*	
		For Colored, Add	*1.73*	
		For Shatterproof, Add	*5.19*	
		For Mirrored, Add	*6.92*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	20.59	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.53*	
		For Colored, Add	*1.81*	
		For Shatterproof, Add	*5.44*	
		For Mirrored, Add	*7.25*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	21.27	
		For >50 To 200, Deduct	*-0.47*	
		For >200 To 400, Deduct	*-0.95*	
		For >400, Deduct	*-1.42*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.80*	
		For Colored, Add	*1.89*	
		For Shatterproof, Add	*5.68*	
		For Mirrored, Add	*7.58*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	25.17	
		For >50 To 200, Deduct	*-0.63*	
		For >200 To 400, Deduct	*-1.25*	
		For >400, Deduct	*-1.88*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
		For Colored, Add	*2.50*	
		For Shatterproof, Add	*7.51*	
		For Mirrored, Add	*10.02*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	35.51	
		For >50 To 200, Deduct	*-0.98*	
		For >200 To 400, Deduct	*-1.95*	
		For >400, Deduct	*-2.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.01*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	47.39	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-3.00*	
		For >400, Deduct	*-4.50*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.39*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	42.64	2.17
		For Bronze Anodized Aluminum, Add	*5.50*	
		For Stainless Steel, Add	*22.31*	
		For Black Anodized Finish, Add	*9.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	53.12	2.71
		For Bronze Anodized Aluminum, Add	*6.99*	
		For Stainless Steel, Add	*28.30*	
		For Black Anodized Finish, Add	*12.59*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	63.31	2.17
		For Bronze Anodized Aluminum, Add	*8.36*	
		For Stainless Steel, Add	*33.81*	
		For Black Anodized Finish, Add	*15.04*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	76.34	3.25
		For Bronze Anodized Aluminum, Add	*9.99*	
		For Stainless Steel, Add	*40.44*	
		For Black Anodized Finish, Add	*17.98*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	78.92	2.71
		For Bronze Anodized Aluminum, Add	*10.62*	
		For Stainless Steel, Add	*42.88*	
		For Black Anodized Finish, Add	*19.11*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	95.38	3.25
		For Bronze Anodized Aluminum, Add	*12.68*	
		For Stainless Steel, Add	*51.27*	
		For Black Anodized Finish, Add	*22.83*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	10.84
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	10.84
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	16.94
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	17.57

08 87 23 Safety and Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	17.23
		For >1,000 To 5,000, Deduct	*-0.78*
		For >5,000, Deduct	*-1.14*
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	18.42
		For >1,000 To 5,000, Deduct	*-0.83*
		For >5,000, Deduct	*-1.25*
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	20.08
		For >1,000 To 5,000, Deduct	*-0.89*
		For >5,000, Deduct	*-1.42*

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	19.74
		For >1,000 To 5,000, Deduct	*-0.87*
		For >5,000, Deduct	*-1.39*
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	19.74
		For >1,000 To 5,000, Deduct	*-0.87*
		For >5,000, Deduct	*-1.39*
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	19.74
		For >1,000 To 5,000, Deduct	*-0.87*
		For >5,000, Deduct	*-1.39*

08 87 23 16-0010 Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	15.91
		For >1,000 To 5,000, Deduct	*-0.74*
		For >5,000, Deduct	*-1.00*
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	16.23
		For >1,000 To 5,000, Deduct	*-0.75*
		For >5,000, Deduct	*-1.04*
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	19.23
		For >1,000 To 5,000, Deduct	*-0.85*
		For >5,000, Deduct	*-1.34*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0014		Anti-Graffiti Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	15.91	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-1.00*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	16.23	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.04*	

08 88 Special Function Glazing *(08 80)*

08 88 49 Radiation-Resistant Glazing *(08 88)*

08 88 49 00-0001		Leaded Glass (X-Ray Shielding) *(08 88 49)*		
08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	367.37	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	546.83	
08 88 49 00-0004		Leaded Acrylic (X-Ray Shielding) *(08 88 49)*		
08 88 49 00-0005	SF	7mm Thick, 0.3mm LE, 2.3 LB/SF X-Ray Viewing Panels, Clear Lead Plastic	399.37	6.75
08 88 49 00-0006	SF	12mm Thick, 0.5mm LE, 3.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic	540.13	11.25
08 88 49 00-0007	SF	18mm Thick, 0.8mm LE, 5.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic	603.13	16.87
08 88 49 00-0008	SF	22mm Thick, 1mm LE, 7.2 LB/SF X-Ray Viewing Panels, Clear Lead Plastic	624.01	20.25
08 88 49 00-0009	SF	35mm Thick, 1.5mm LE, 11.5 LB/SF X-Ray Viewing Panels, Clear Lead Plastic	718.22	32.06
08 88 49 00-0010	SF	46mm Thick, 2mm LE, 15 LB/SF X-Ray Viewing Panels, Clear Lead Plastic	946.64	42.75

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001		Forced Entry And/or Ballistic Resistant All Glass Laminate *(08 88 53)*		
08 88 53 00-0002		Ballistic Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF	143.96	
		For Glass Removal And Preparing Opening For New Glazing, Add	*69.74*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF	169.11	
		For Glass Removal And Preparing Opening For New Glazing, Add	*69.74*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF	191.81	
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.75*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF	212.81	
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.75*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF	241.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	*89.99*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF	258.75	
		For Glass Removal And Preparing Opening For New Glazing, Add	*89.99*	
08 88 53 00-0009		Forced Entry Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	53.17	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.57*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	60.37	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.75*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	68.86	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.09*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	83.33	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.63*	
08 88 53 00-0014		Glass Clad Polycarbonate *(08 88 53)*		
08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF	210.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*85.49*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF	235.56	
		For Glass Removal And Preparing Opening For New Glazing, Add	*98.99*	
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF	301.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	*112.49*	
08 88 53 00-0018		Ballistic Resistant Acrylic *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF	361.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	*85.49*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF	424.15	
		For Glass Removal And Preparing Opening For New Glazing, Add	*98.99*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF	567.71	
		For Glass Removal And Preparing Opening For New Glazing, Add	*112.49*	
08 88 53 00-0022		Ballistic Resistant Fiberglass *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	88.92	
		For Glass Removal And Preparing Opening For New Glazing, Add	*42.75*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	105.19	
		For Glass Removal And Preparing Opening For New Glazing, Add	*49.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	119.32	
		For Glass Removal And Preparing Opening For New Glazing, Add	*56.24*	
08 88 53 00-0026		Forced Entry And/or Ballistic Resistant Polycarbonate *(08 88 53)*		
08 88 53 00-0027		Forced Entry Resistant Monolithic Polycarbonate *(08 88 53 00-0026)*		
		Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	122.05	
		Note: Level 1 or ASTM F1233, Class II (Step 5).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*68.18*	
08 88 53 00-0029		Forced Entry Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	150.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	*84.37*	
08 88 53 00-0031		Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	185.99	
		Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*89.99*	
08 88 53 00-0033		Fire Resistant, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01	203.96	
		Note: UL-9 Fire Resistant.		
		For Glass Removal And Preparing Opening For New Glazing, Add	*95.62*	
08 88 53 00-0035		Insulated, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01	174.65	
		Note: Level I (1/4" tempered float glass, 1/2" airspace).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*84.37*	
08 88 53 00-0037		Ballistic And Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant	403.26	
		Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*186.73*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant	408.37	
		Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*186.73*	
08 88 53 00-0040		Ballistic Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*		
		Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant	268.32	
		Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*125.98*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001		Motorized Wall Louver Actuator *(08 91 13)*		
		See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	2,173.52	103.87
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,378.82	103.87
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,345.32	103.87
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	9,420.06	103.87

08 91 16 Operable Wall Louvers *(08 91)*

08 91 16 00-0001		Adjustable Intake Wall Louvers *(08 91 16)*		
		See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	606.63	27.50
		For Flange Frame, Add	*55.16*	
		For Clear Lacquer Finish, Add	*110.33*	
		For Baked Enamel Standard Colors, Add	*165.49*	
		For Anodized Finish, Add	*220.66*	
		For Kynar® Standard Colors Finish, Add	*303.40*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	758.44	33.61
		For Flange Frame, Add	*69.12*	
		For Clear Lacquer Finish, Add	*138.25*	
		For Baked Enamel Standard Colors, Add	*207.37*	
		For Anodized Finish, Add	*276.49*	
		For Kynar® Standard Colors Finish, Add	*380.18*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	896.82	39.72
		For Flange Frame, Add	*81.74*	
		For Clear Lacquer Finish, Add	*163.48*	
		For Baked Enamel Standard Colors, Add	*245.22*	
		For Anodized Finish, Add	*326.96*	
		For Kynar® Standard Colors Finish, Add	*449.57*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,049.97	45.83
		For Flange Frame, Add	*95.83*	
		For Clear Lacquer Finish, Add	*191.67*	
		For Baked Enamel Standard Colors, Add	*287.50*	
		For Anodized Finish, Add	*383.33*	
		For Kynar® Standard Colors Finish, Add	*527.08*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,183.00	51.94
		For Flange Frame, Add	*107.91*	
		For Clear Lacquer Finish, Add	*215.83*	
		For Baked Enamel Standard Colors, Add	*323.74*	
		For Anodized Finish, Add	*431.65*	
		For Kynar® Standard Colors Finish, Add	*593.52*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,397.89	58.05
		For Flange Frame, Add	*128.18*	
		For Clear Lacquer Finish, Add	*256.36*	
		For Baked Enamel Standard Colors, Add	*384.54*	
		For Anodized Finish, Add	*512.72*	
		For Kynar® Standard Colors Finish, Add	*704.99*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,593.99	64.16
		For Flange Frame, Add	*146.57*	
		For Clear Lacquer Finish, Add	*293.14*	
		For Baked Enamel Standard Colors, Add	*439.70*	
		For Anodized Finish, Add	*586.27*	
		For Kynar® Standard Colors Finish, Add	*806.12*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,769.36	73.32
		For Flange Frame, Add	*162.27*	
		For Clear Lacquer Finish, Add	*324.54*	
		For Baked Enamel Standard Colors, Add	*486.82*	
		For Anodized Finish, Add	*649.09*	
		For Kynar® Standard Colors Finish, Add	*892.50*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,887.61	79.42
		For Flange Frame, Add	*172.88*	
		For Clear Lacquer Finish, Add	*345.75*	
		For Baked Enamel Standard Colors, Add	*518.63*	
		For Anodized Finish, Add	*691.50*	
		For Kynar® Standard Colors Finish, Add	*950.81*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,036.74	85.53
		For Flange Frame, Add	*186.57*	
		For Clear Lacquer Finish, Add	*373.13*	
		For Baked Enamel Standard Colors, Add	*559.70*	
		For Anodized Finish, Add	*746.26*	
		For Kynar® Standard Colors Finish, Add	*1,026.11*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,167.07	91.64
		For Flange Frame, Add	*198.38*	
		For Clear Lacquer Finish, Add	*396.75*	
		For Baked Enamel Standard Colors, Add	*595.13*	
		For Anodized Finish, Add	*793.51*	
		For Kynar® Standard Colors Finish, Add	*1,091.07*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,334.99	97.76
		For Flange Frame, Add	*213.95*	
		For Clear Lacquer Finish, Add	*427.89*	
		For Baked Enamel Standard Colors, Add	*641.84*	
		For Anodized Finish, Add	*855.79*	
		For Kynar® Standard Colors Finish, Add	*1,176.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,496.19	103.87
		For Flange Frame, Add	*228.85*	
		For Clear Lacquer Finish, Add	*457.69*	
		For Baked Enamel Standard Colors, Add	*686.54*	
		For Anodized Finish, Add	*915.38*	
		For Kynar® Standard Colors Finish, Add	*1,258.65*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,695.72	113.03
		For Flange Frame, Add	*246.97*	
		For Clear Lacquer Finish, Add	*493.93*	
		For Baked Enamel Standard Colors, Add	*740.90*	
		For Anodized Finish, Add	*987.86*	
		For Kynar® Standard Colors Finish, Add	*1,358.31*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,841.55	122.20
		For Flange Frame, Add	*259.72*	
		For Clear Lacquer Finish, Add	*519.43*	
		For Baked Enamel Standard Colors, Add	*779.15*	
		For Anodized Finish, Add	*1,038.86*	
		For Kynar® Standard Colors Finish, Add	*1,428.44*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	679.25	33.61
		For Flange Frame, Add	*61.20*	
		For Clear Lacquer Finish, Add	*122.41*	
		For Baked Enamel Standard Colors, Add	*183.61*	
		For Anodized Finish, Add	*244.82*	
		For Kynar® Standard Colors Finish, Add	*336.62*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	857.29	42.77
		For Flange Frame, Add	*77.18*	
		For Clear Lacquer Finish, Add	*154.35*	
		For Baked Enamel Standard Colors, Add	*231.53*	
		For Anodized Finish, Add	*308.70*	
		For Kynar® Standard Colors Finish, Add	*424.47*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,006.43	48.88
		For Flange Frame, Add	*90.87*	
		For Clear Lacquer Finish, Add	*181.73*	
		For Baked Enamel Standard Colors, Add	*272.60*	
		For Anodized Finish, Add	*363.47*	
		For Kynar® Standard Colors Finish, Add	*499.77*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,252.33	61.10
		For Flange Frame, Add	*113.01*	
		For Clear Lacquer Finish, Add	*226.03*	
		For Baked Enamel Standard Colors, Add	*339.04*	
		For Anodized Finish, Add	*452.05*	
		For Kynar® Standard Colors Finish, Add	*621.57*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,425.62	67.21
		For Flange Frame, Add	*129.12*	
		For Clear Lacquer Finish, Add	*258.24*	
		For Baked Enamel Standard Colors, Add	*387.36*	
		For Anodized Finish, Add	*516.48*	
		For Kynar® Standard Colors Finish, Add	*710.16*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,598.90	73.32
		For Flange Frame, Add	*145.23*	
		For Clear Lacquer Finish, Add	*290.45*	
		For Baked Enamel Standard Colors, Add	*435.68*	
		For Anodized Finish, Add	*580.90*	
		For Kynar® Standard Colors Finish, Add	*798.74*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,807.08	79.42
		For Flange Frame, Add	*164.82*	
		For Clear Lacquer Finish, Add	*329.64*	
		For Baked Enamel Standard Colors, Add	*494.47*	
		For Anodized Finish, Add	*659.29*	
		For Kynar® Standard Colors Finish, Add	*906.52*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,003.92	88.59
		For Flange Frame, Add	*182.67*	
		For Clear Lacquer Finish, Add	*365.35*	
		For Baked Enamel Standard Colors, Add	*548.02*	
		For Anodized Finish, Add	*730.69*	
		For Kynar® Standard Colors Finish, Add	*1,004.70*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,160.50	97.76
		For Flange Frame, Add	*196.50*	
		For Clear Lacquer Finish, Add	*393.00*	
		For Baked Enamel Standard Colors, Add	*589.49*	
		For Anodized Finish, Add	*785.99*	
		For Kynar® Standard Colors Finish, Add	*1,080.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,312.31	103.87
		For Flange Frame, Add	*210.46*	
		For Clear Lacquer Finish, Add	*420.91*	
		For Baked Enamel Standard Colors, Add	*631.37*	
		For Anodized Finish, Add	*841.83*	
		For Kynar® Standard Colors Finish, Add	*1,157.51*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,454.72	109.98
		For Flange Frame, Add	*223.48*	
		For Clear Lacquer Finish, Add	*446.95*	
		For Baked Enamel Standard Colors, Add	*670.43*	
		For Anodized Finish, Add	*893.90*	
		For Kynar® Standard Colors Finish, Add	*1,229.12*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,640.09	116.09
		For Flange Frame, Add	*240.79*	
		For Clear Lacquer Finish, Add	*481.58*	
		For Baked Enamel Standard Colors, Add	*722.37*	
		For Anodized Finish, Add	*963.16*	
		For Kynar® Standard Colors Finish, Add	*1,324.35*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,818.73	122.20
		For Flange Frame, Add	*257.43*	
		For Clear Lacquer Finish, Add	*514.87*	
		For Baked Enamel Standard Colors, Add	*772.30*	
		For Anodized Finish, Add	*1,029.74*	
		For Kynar® Standard Colors Finish, Add	*1,415.89*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,035.71	131.36
		For Flange Frame, Add	*277.30*	
		For Clear Lacquer Finish, Add	*554.60*	
		For Baked Enamel Standard Colors, Add	*831.90*	
		For Anodized Finish, Add	*1,109.20*	
		For Kynar® Standard Colors Finish, Add	*1,525.14*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,198.99	140.53
		For Flange Frame, Add	*291.79*	
		For Clear Lacquer Finish, Add	*583.59*	
		For Baked Enamel Standard Colors, Add	*875.38*	
		For Anodized Finish, Add	*1,167.18*	
		For Kynar® Standard Colors Finish, Add	*1,604.87*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	758.57	39.72
		For Flange Frame, Add	*67.92*	
		For Clear Lacquer Finish, Add	*135.83*	
		For Baked Enamel Standard Colors, Add	*203.75*	
		For Anodized Finish, Add	*271.66*	
		For Kynar® Standard Colors Finish, Add	*373.53*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	963.48	48.88
		For Flange Frame, Add	*86.57*	
		For Clear Lacquer Finish, Add	*173.14*	
		For Baked Enamel Standard Colors, Add	*259.72*	
		For Anodized Finish, Add	*346.29*	
		For Kynar® Standard Colors Finish, Add	*476.15*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,195.22	58.05
		For Flange Frame, Add	*107.91*	
		For Clear Lacquer Finish, Add	*215.83*	
		For Baked Enamel Standard Colors, Add	*323.74*	
		For Anodized Finish, Add	*431.65*	
		For Kynar® Standard Colors Finish, Add	*593.52*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,408.91	70.27
		For Flange Frame, Add	*126.84*	
		For Clear Lacquer Finish, Add	*253.68*	
		For Baked Enamel Standard Colors, Add	*380.51*	
		For Anodized Finish, Add	*507.35*	
		For Kynar® Standard Colors Finish, Add	*697.61*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,599.64	76.38
		For Flange Frame, Add	*144.69*	
		For Clear Lacquer Finish, Add	*289.38*	
		For Baked Enamel Standard Colors, Add	*434.07*	
		For Anodized Finish, Add	*578.76*	
		For Kynar® Standard Colors Finish, Add	*795.79*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,801.11	82.48
		For Flange Frame, Add	*163.61*	
		For Clear Lacquer Finish, Add	*327.23*	
		For Baked Enamel Standard Colors, Add	*490.84*	
		For Anodized Finish, Add	*654.46*	
		For Kynar® Standard Colors Finish, Add	*899.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,048.96	91.64
		For Flange Frame, Add	*186.57*	
		For Clear Lacquer Finish, Add	*373.13*	
		For Baked Enamel Standard Colors, Add	*559.70*	
		For Anodized Finish, Add	*746.26*	
		For Kynar® Standard Colors Finish, Add	*1,026.11*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,255.94	103.87
		For Flange Frame, Add	*204.82*	
		For Clear Lacquer Finish, Add	*409.64*	
		For Baked Enamel Standard Colors, Add	*614.46*	
		For Anodized Finish, Add	*819.28*	
		For Kynar® Standard Colors Finish, Add	*1,126.51*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,418.48	109.98
		For Flange Frame, Add	*219.85*	
		For Clear Lacquer Finish, Add	*439.70*	
		For Baked Enamel Standard Colors, Add	*659.56*	
		For Anodized Finish, Add	*879.41*	
		For Kynar® Standard Colors Finish, Add	*1,209.19*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,593.24	122.20
		For Flange Frame, Add	*234.89*	
		For Clear Lacquer Finish, Add	*469.77*	
		For Baked Enamel Standard Colors, Add	*704.66*	
		For Anodized Finish, Add	*939.54*	
		For Kynar® Standard Colors Finish, Add	*1,291.87*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,758.47	128.31
		For Flange Frame, Add	*250.19*	
		For Clear Lacquer Finish, Add	*500.37*	
		For Baked Enamel Standard Colors, Add	*750.56*	
		For Anodized Finish, Add	*1,000.74*	
		For Kynar® Standard Colors Finish, Add	*1,376.02*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,984.10	134.42
		For Flange Frame, Add	*271.53*	
		For Clear Lacquer Finish, Add	*543.05*	
		For Baked Enamel Standard Colors, Add	*814.58*	
		For Anodized Finish, Add	*1,086.11*	
		For Kynar® Standard Colors Finish, Add	*1,493.40*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,174.83	140.53
		For Flange Frame, Add	*289.38*	
		For Clear Lacquer Finish, Add	*578.76*	
		For Baked Enamel Standard Colors, Add	*868.13*	
		For Anodized Finish, Add	*1,157.51*	
		For Kynar® Standard Colors Finish, Add	*1,591.58*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,414.64	149.69
		For Flange Frame, Add	*311.53*	
		For Clear Lacquer Finish, Add	*623.05*	
		For Baked Enamel Standard Colors, Add	*934.58*	
		For Anodized Finish, Add	*1,246.10*	
		For Kynar® Standard Colors Finish, Add	*1,713.39*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,590.00	158.86
		For Flange Frame, Add	*327.23*	
		For Clear Lacquer Finish, Add	*654.46*	
		For Baked Enamel Standard Colors, Add	*981.68*	
		For Anodized Finish, Add	*1,308.91*	
		For Kynar® Standard Colors Finish, Add	*1,799.75*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	844.61	45.83
		For Flange Frame, Add	*75.30*	
		For Clear Lacquer Finish, Add	*150.59*	
		For Baked Enamel Standard Colors, Add	*225.89*	
		For Anodized Finish, Add	*301.19*	
		For Kynar® Standard Colors Finish, Add	*414.13*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,124.82	61.10
		For Flange Frame, Add	*100.26*	
		For Clear Lacquer Finish, Add	*200.52*	
		For Baked Enamel Standard Colors, Add	*300.79*	
		For Anodized Finish, Add	*401.05*	
		For Kynar® Standard Colors Finish, Add	*551.44*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,336.43	70.27
		For Flange Frame, Add	*119.59*	
		For Clear Lacquer Finish, Add	*239.18*	
		For Baked Enamel Standard Colors, Add	*358.77*	
		For Anodized Finish, Add	*478.36*	
		For Kynar® Standard Colors Finish, Add	*657.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,568.17	79.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*140.93*	
		For Clear Lacquer Finish, Add	*281.86*	
		For Baked Enamel Standard Colors, Add	*422.79*	
		For Anodized Finish, Add	*563.72*	
		For Kynar® Standard Colors Finish, Add	*775.12*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,776.35	85.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*160.53*	
		For Clear Lacquer Finish, Add	*321.05*	
		For Baked Enamel Standard Colors, Add	*481.58*	
		For Anodized Finish, Add	*642.11*	
		For Kynar® Standard Colors Finish, Add	*882.90*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,990.64	94.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*180.12*	
		For Clear Lacquer Finish, Add	*360.25*	
		For Baked Enamel Standard Colors, Add	*540.37*	
		For Anodized Finish, Add	*720.49*	
		For Kynar® Standard Colors Finish, Add	*990.68*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,249.83	100.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*204.82*	
		For Clear Lacquer Finish, Add	*409.64*	
		For Baked Enamel Standard Colors, Add	*614.46*	
		For Anodized Finish, Add	*819.28*	
		For Kynar® Standard Colors Finish, Add	*1,126.51*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,469.49	109.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*224.95*	
		For Clear Lacquer Finish, Add	*449.91*	
		For Baked Enamel Standard Colors, Add	*674.86*	
		For Anodized Finish, Add	*899.81*	
		For Kynar® Standard Colors Finish, Add	*1,237.24*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,650.82	116.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*241.86*	
		For Clear Lacquer Finish, Add	*483.73*	
		For Baked Enamel Standard Colors, Add	*725.59*	
		For Anodized Finish, Add	*967.46*	
		For Kynar® Standard Colors Finish, Add	*1,330.25*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,847.06	128.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*259.05*	
		For Clear Lacquer Finish, Add	*518.09*	
		For Baked Enamel Standard Colors, Add	*777.14*	
		For Anodized Finish, Add	*1,036.18*	
		For Kynar® Standard Colors Finish, Add	*1,424.75*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	3,035.85	137.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*276.09*	
		For Clear Lacquer Finish, Add	*552.18*	
		For Baked Enamel Standard Colors, Add	*828.27*	
		For Anodized Finish, Add	*1,104.36*	
		For Kynar® Standard Colors Finish, Add	*1,518.50*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,276.24	143.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*298.91*	
		For Clear Lacquer Finish, Add	*597.82*	
		For Baked Enamel Standard Colors, Add	*896.72*	
		For Anodized Finish, Add	*1,195.63*	
		For Kynar® Standard Colors Finish, Add	*1,643.99*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,484.43	149.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*318.50*	
		For Clear Lacquer Finish, Add	*637.01*	
		For Baked Enamel Standard Colors, Add	*955.51*	
		For Anodized Finish, Add	*1,274.02*	
		For Kynar® Standard Colors Finish, Add	*1,751.77*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,736.30	158.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*341.86*	
		For Clear Lacquer Finish, Add	*683.72*	
		For Baked Enamel Standard Colors, Add	*1,025.57*	
		For Anodized Finish, Add	*1,367.43*	
		For Kynar® Standard Colors Finish, Add	*1,880.22*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,935.83	168.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*359.98*	
		For Clear Lacquer Finish, Add	*719.96*	
		For Baked Enamel Standard Colors, Add	*1,079.93*	
		For Anodized Finish, Add	*1,439.91*	
		For Kynar® Standard Colors Finish, Add	*1,979.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	923.95	51.94
		For Flange Frame, Add	*82.01*	
		For Clear Lacquer Finish, Add	*164.02*	
		For Baked Enamel Standard Colors, Add	*246.02*	
		For Anodized Finish, Add	*328.03*	
		For Kynar® Standard Colors Finish, Add	*451.04*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,252.47	67.21
		For Flange Frame, Add	*111.81*	
		For Clear Lacquer Finish, Add	*223.61*	
		For Baked Enamel Standard Colors, Add	*335.42*	
		For Anodized Finish, Add	*447.22*	
		For Kynar® Standard Colors Finish, Add	*614.93*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,465.42	76.38
		For Flange Frame, Add	*131.27*	
		For Clear Lacquer Finish, Add	*262.53*	
		For Baked Enamel Standard Colors, Add	*393.80*	
		For Anodized Finish, Add	*525.07*	
		For Kynar® Standard Colors Finish, Add	*721.97*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,719.98	85.53
		For Flange Frame, Add	*154.89*	
		For Clear Lacquer Finish, Add	*309.78*	
		For Baked Enamel Standard Colors, Add	*464.67*	
		For Anodized Finish, Add	*619.56*	
		For Kynar® Standard Colors Finish, Add	*851.90*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,956.10	92.87
		For Flange Frame, Add	*177.04*	
		For Clear Lacquer Finish, Add	*354.07*	
		For Baked Enamel Standard Colors, Add	*531.11*	
		For Anodized Finish, Add	*708.14*	
		For Kynar® Standard Colors Finish, Add	*973.70*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,177.35	100.81
		For Flange Frame, Add	*197.57*	
		For Clear Lacquer Finish, Add	*395.14*	
		For Baked Enamel Standard Colors, Add	*592.72*	
		For Anodized Finish, Add	*790.29*	
		For Kynar® Standard Colors Finish, Add	*1,086.65*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,467.40	106.92
		For Flange Frame, Add	*225.36*	
		For Clear Lacquer Finish, Add	*450.71*	
		For Baked Enamel Standard Colors, Add	*676.07*	
		For Anodized Finish, Add	*901.42*	
		For Kynar® Standard Colors Finish, Add	*1,239.45*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,715.25	116.09
		For Flange Frame, Add	*248.31*	
		For Clear Lacquer Finish, Add	*496.61*	
		For Baked Enamel Standard Colors, Add	*744.92*	
		For Anodized Finish, Add	*993.23*	
		For Kynar® Standard Colors Finish, Add	*1,365.69*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,916.11	125.25
		For Flange Frame, Add	*266.56*	
		For Clear Lacquer Finish, Add	*533.12*	
		For Baked Enamel Standard Colors, Add	*799.68*	
		For Anodized Finish, Add	*1,066.24*	
		For Kynar® Standard Colors Finish, Add	*1,466.09*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,122.35	134.42
		For Flange Frame, Add	*285.35*	
		For Clear Lacquer Finish, Add	*570.70*	
		For Baked Enamel Standard Colors, Add	*856.06*	
		For Anodized Finish, Add	*1,141.41*	
		For Kynar® Standard Colors Finish, Add	*1,569.44*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,335.30	143.58
		For Flange Frame, Add	*304.81*	
		For Clear Lacquer Finish, Add	*609.63*	
		For Baked Enamel Standard Colors, Add	*914.44*	
		For Anodized Finish, Add	*1,219.26*	
		For Kynar® Standard Colors Finish, Add	*1,676.48*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,598.52	149.69
		For Flange Frame, Add	*329.91*	
		For Clear Lacquer Finish, Add	*659.83*	
		For Baked Enamel Standard Colors, Add	*989.74*	
		For Anodized Finish, Add	*1,319.65*	
		For Kynar® Standard Colors Finish, Add	*1,814.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,822.81	155.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*351.12*	
		For Clear Lacquer Finish, Add	*702.24*	
		For Baked Enamel Standard Colors, Add	*1,053.36*	
		For Anodized Finish, Add	*1,404.48*	
		For Kynar® Standard Colors Finish, Add	*1,931.16*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	4,108.23	164.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*377.83*	
		For Clear Lacquer Finish, Add	*755.66*	
		For Baked Enamel Standard Colors, Add	*1,133.49*	
		For Anodized Finish, Add	*1,511.32*	
		For Kynar® Standard Colors Finish, Add	*2,078.06*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	4,319.84	174.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*397.16*	
		For Clear Lacquer Finish, Add	*794.31*	
		For Baked Enamel Standard Colors, Add	*1,191.47*	
		For Anodized Finish, Add	*1,588.63*	
		For Kynar® Standard Colors Finish, Add	*2,184.36*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	1,058.31	58.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.22*	
		For Clear Lacquer Finish, Add	*188.44*	
		For Baked Enamel Standard Colors, Add	*282.67*	
		For Anodized Finish, Add	*376.89*	
		For Kynar® Standard Colors Finish, Add	*518.22*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,350.59	73.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*120.40*	
		For Clear Lacquer Finish, Add	*240.79*	
		For Baked Enamel Standard Colors, Add	*361.19*	
		For Anodized Finish, Add	*481.58*	
		For Kynar® Standard Colors Finish, Add	*662.17*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,587.70	82.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*142.27*	
		For Clear Lacquer Finish, Add	*284.55*	
		For Baked Enamel Standard Colors, Add	*426.82*	
		For Anodized Finish, Add	*569.09*	
		For Kynar® Standard Colors Finish, Add	*782.50*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,857.76	94.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*166.84*	
		For Clear Lacquer Finish, Add	*333.67*	
		For Baked Enamel Standard Colors, Add	*500.51*	
		For Anodized Finish, Add	*667.34*	
		For Kynar® Standard Colors Finish, Add	*917.59*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	2,110.24	100.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*190.86*	
		For Clear Lacquer Finish, Add	*381.72*	
		For Baked Enamel Standard Colors, Add	*572.58*	
		For Anodized Finish, Add	*763.44*	
		For Kynar® Standard Colors Finish, Add	*1,049.74*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,349.29	106.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*213.54*	
		For Clear Lacquer Finish, Add	*427.09*	
		For Baked Enamel Standard Colors, Add	*640.63*	
		For Anodized Finish, Add	*854.18*	
		For Kynar® Standard Colors Finish, Add	*1,174.49*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,664.85	113.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*243.88*	
		For Clear Lacquer Finish, Add	*487.76*	
		For Baked Enamel Standard Colors, Add	*731.63*	
		For Anodized Finish, Add	*975.51*	
		For Kynar® Standard Colors Finish, Add	*1,341.33*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,916.71	122.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*267.23*	
		For Clear Lacquer Finish, Add	*534.46*	
		For Baked Enamel Standard Colors, Add	*801.70*	
		For Anodized Finish, Add	*1,068.93*	
		For Kynar® Standard Colors Finish, Add	*1,469.78*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	3,143.08	131.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*288.04*	
		For Clear Lacquer Finish, Add	*576.07*	
		For Baked Enamel Standard Colors, Add	*864.11*	
		For Anodized Finish, Add	*1,152.14*	
		For Kynar® Standard Colors Finish, Add	*1,584.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,354.69	140.53
		For Flange Frame, Add	*307.36*	
		For Clear Lacquer Finish, Add	*614.73*	
		For Baked Enamel Standard Colors, Add	*922.09*	
		For Anodized Finish, Add	*1,229.46*	
		For Kynar® Standard Colors Finish, Add	*1,690.50*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,586.44	149.69
		For Flange Frame, Add	*328.71*	
		For Clear Lacquer Finish, Add	*657.41*	
		For Baked Enamel Standard Colors, Add	*986.12*	
		For Anodized Finish, Add	*1,314.82*	
		For Kynar® Standard Colors Finish, Add	*1,807.88*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,869.78	155.80
		For Flange Frame, Add	*355.82*	
		For Clear Lacquer Finish, Add	*711.63*	
		For Baked Enamel Standard Colors, Add	*1,067.45*	
		For Anodized Finish, Add	*1,423.27*	
		For Kynar® Standard Colors Finish, Add	*1,956.99*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,115.55	161.91
		For Flange Frame, Add	*379.17*	
		For Clear Lacquer Finish, Add	*758.34*	
		For Baked Enamel Standard Colors, Add	*1,137.52*	
		For Anodized Finish, Add	*1,516.69*	
		For Kynar® Standard Colors Finish, Add	*2,085.45*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,435.87	171.08
		For Flange Frame, Add	*409.37*	
		For Clear Lacquer Finish, Add	*818.74*	
		For Baked Enamel Standard Colors, Add	*1,228.11*	
		For Anodized Finish, Add	*1,637.48*	
		For Kynar® Standard Colors Finish, Add	*2,251.54*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,656.87	180.24
		For Flange Frame, Add	*429.64*	
		For Clear Lacquer Finish, Add	*859.28*	
		For Baked Enamel Standard Colors, Add	*1,288.91*	
		For Anodized Finish, Add	*1,718.55*	
		For Kynar® Standard Colors Finish, Add	*2,363.01*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,144.36	64.16
		For Flange Frame, Add	*101.61*	
		For Clear Lacquer Finish, Add	*203.21*	
		For Baked Enamel Standard Colors, Add	*304.82*	
		For Anodized Finish, Add	*406.42*	
		For Kynar® Standard Colors Finish, Add	*558.83*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,455.43	79.42
		For Flange Frame, Add	*129.66*	
		For Clear Lacquer Finish, Add	*259.31*	
		For Baked Enamel Standard Colors, Add	*388.97*	
		For Anodized Finish, Add	*518.63*	
		For Kynar® Standard Colors Finish, Add	*713.11*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,724.15	91.64
		For Flange Frame, Add	*154.09*	
		For Clear Lacquer Finish, Add	*308.17*	
		For Baked Enamel Standard Colors, Add	*462.26*	
		For Anodized Finish, Add	*616.34*	
		For Kynar® Standard Colors Finish, Add	*847.47*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,002.86	100.81
		For Flange Frame, Add	*180.12*	
		For Clear Lacquer Finish, Add	*360.25*	
		For Baked Enamel Standard Colors, Add	*540.37*	
		For Anodized Finish, Add	*720.49*	
		For Kynar® Standard Colors Finish, Add	*990.68*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,282.18	106.92
		For Flange Frame, Add	*206.83*	
		For Clear Lacquer Finish, Add	*413.67*	
		For Baked Enamel Standard Colors, Add	*620.50*	
		For Anodized Finish, Add	*827.33*	
		For Kynar® Standard Colors Finish, Add	*1,137.58*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,552.10	113.03
		For Flange Frame, Add	*232.60*	
		For Clear Lacquer Finish, Add	*465.21*	
		For Baked Enamel Standard Colors, Add	*697.81*	
		For Anodized Finish, Add	*930.41*	
		For Kynar® Standard Colors Finish, Add	*1,279.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,887.18	122.20
		For Flange Frame, Add	*264.28*	
		For Clear Lacquer Finish, Add	*528.56*	
		For Baked Enamel Standard Colors, Add	*792.84*	
		For Anodized Finish, Add	*1,057.12*	
		For Kynar® Standard Colors Finish, Add	*1,453.53*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,163.21	131.36
		For Flange Frame, Add	*290.05*	
		For Clear Lacquer Finish, Add	*580.10*	
		For Baked Enamel Standard Colors, Add	*870.15*	
		For Anodized Finish, Add	*1,160.20*	
		For Kynar® Standard Colors Finish, Add	*1,595.27*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,401.67	140.53
		For Flange Frame, Add	*312.06*	
		For Clear Lacquer Finish, Add	*624.12*	
		For Baked Enamel Standard Colors, Add	*936.19*	
		For Anodized Finish, Add	*1,248.25*	
		For Kynar® Standard Colors Finish, Add	*1,716.34*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,644.15	149.69
		For Flange Frame, Add	*334.48*	
		For Clear Lacquer Finish, Add	*668.95*	
		For Baked Enamel Standard Colors, Add	*1,003.43*	
		For Anodized Finish, Add	*1,337.90*	
		For Kynar® Standard Colors Finish, Add	*1,839.62*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,881.26	158.86
		For Flange Frame, Add	*356.35*	
		For Clear Lacquer Finish, Add	*712.71*	
		For Baked Enamel Standard Colors, Add	*1,069.06*	
		For Anodized Finish, Add	*1,425.42*	
		For Kynar® Standard Colors Finish, Add	*1,959.95*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,202.19	164.97
		For Flange Frame, Add	*387.23*	
		For Clear Lacquer Finish, Add	*774.45*	
		For Baked Enamel Standard Colors, Add	*1,161.68*	
		For Anodized Finish, Add	*1,548.90*	
		For Kynar® Standard Colors Finish, Add	*2,129.74*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,468.08	171.08
		For Flange Frame, Add	*412.59*	
		For Clear Lacquer Finish, Add	*825.18*	
		For Baked Enamel Standard Colors, Add	*1,237.78*	
		For Anodized Finish, Add	*1,650.37*	
		For Kynar® Standard Colors Finish, Add	*2,269.26*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,797.06	177.19
		For Flange Frame, Add	*444.27*	
		For Clear Lacquer Finish, Add	*888.54*	
		For Baked Enamel Standard Colors, Add	*1,332.80*	
		For Anodized Finish, Add	*1,777.07*	
		For Kynar® Standard Colors Finish, Add	*2,443.47*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,040.88	186.35
		For Flange Frame, Add	*466.82*	
		For Clear Lacquer Finish, Add	*933.63*	
		For Baked Enamel Standard Colors, Add	*1,400.45*	
		For Anodized Finish, Add	*1,867.27*	
		For Kynar® Standard Colors Finish, Add	*2,567.49*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,329.12	73.32
		For Flange Frame, Add	*118.25*	
		For Clear Lacquer Finish, Add	*236.50*	
		For Baked Enamel Standard Colors, Add	*354.74*	
		For Anodized Finish, Add	*472.99*	
		For Kynar® Standard Colors Finish, Add	*650.36*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,707.30	88.59
		For Flange Frame, Add	*153.01*	
		For Clear Lacquer Finish, Add	*306.02*	
		For Baked Enamel Standard Colors, Add	*459.03*	
		For Anodized Finish, Add	*612.04*	
		For Kynar® Standard Colors Finish, Add	*841.56*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,000.92	103.87
		For Flange Frame, Add	*179.32*	
		For Clear Lacquer Finish, Add	*358.64*	
		For Baked Enamel Standard Colors, Add	*537.95*	
		For Anodized Finish, Add	*717.27*	
		For Kynar® Standard Colors Finish, Add	*986.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,304.40	109.98
		For Flange Frame, Add	*208.44*	
		For Clear Lacquer Finish, Add	*416.89*	
		For Baked Enamel Standard Colors, Add	*625.33*	
		For Anodized Finish, Add	*833.78*	
		For Kynar® Standard Colors Finish, Add	*1,146.44*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,634.72	116.09
		For Flange Frame, Add	*240.25*	
		For Clear Lacquer Finish, Add	*480.51*	
		For Baked Enamel Standard Colors, Add	*720.76*	
		For Anodized Finish, Add	*961.02*	
		For Kynar® Standard Colors Finish, Add	*1,321.40*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,930.13	122.20
		For Flange Frame, Add	*268.57*	
		For Clear Lacquer Finish, Add	*537.15*	
		For Baked Enamel Standard Colors, Add	*805.72*	
		For Anodized Finish, Add	*1,074.30*	
		For Kynar® Standard Colors Finish, Add	*1,477.16*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,320.25	131.36
		For Flange Frame, Add	*305.75*	
		For Clear Lacquer Finish, Add	*611.51*	
		For Baked Enamel Standard Colors, Add	*917.26*	
		For Anodized Finish, Add	*1,223.01*	
		For Kynar® Standard Colors Finish, Add	*1,681.64*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,699.63	140.53
		For Flange Frame, Add	*341.86*	
		For Clear Lacquer Finish, Add	*683.72*	
		For Baked Enamel Standard Colors, Add	*1,025.57*	
		For Anodized Finish, Add	*1,367.43*	
		For Kynar® Standard Colors Finish, Add	*1,880.22*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,982.39	149.69
		For Flange Frame, Add	*368.30*	
		For Clear Lacquer Finish, Add	*736.60*	
		For Baked Enamel Standard Colors, Add	*1,104.90*	
		For Anodized Finish, Add	*1,473.20*	
		For Kynar® Standard Colors Finish, Add	*2,025.65*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,261.10	158.86
		For Flange Frame, Add	*394.34*	
		For Clear Lacquer Finish, Add	*788.68*	
		For Baked Enamel Standard Colors, Add	*1,183.01*	
		For Anodized Finish, Add	*1,577.35*	
		For Kynar® Standard Colors Finish, Add	*2,168.86*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,531.03	164.97
		For Flange Frame, Add	*420.11*	
		For Clear Lacquer Finish, Add	*840.22*	
		For Baked Enamel Standard Colors, Add	*1,260.33*	
		For Anodized Finish, Add	*1,680.44*	
		For Kynar® Standard Colors Finish, Add	*2,310.60*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,889.53	171.08
		For Flange Frame, Add	*454.74*	
		For Clear Lacquer Finish, Add	*909.47*	
		For Baked Enamel Standard Colors, Add	*1,364.21*	
		For Anodized Finish, Add	*1,818.95*	
		For Kynar® Standard Colors Finish, Add	*2,501.05*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,187.64	177.19
		For Flange Frame, Add	*483.33*	
		For Clear Lacquer Finish, Add	*966.65*	
		For Baked Enamel Standard Colors, Add	*1,449.98*	
		For Anodized Finish, Add	*1,933.30*	
		For Kynar® Standard Colors Finish, Add	*2,658.29*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,572.99	183.30
		For Flange Frame, Add	*520.64*	
		For Clear Lacquer Finish, Add	*1,041.28*	
		For Baked Enamel Standard Colors, Add	*1,561.92*	
		For Anodized Finish, Add	*2,082.56*	
		For Kynar® Standard Colors Finish, Add	*2,863.51*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,858.42	192.47
		For Flange Frame, Add	*547.35*	
		For Clear Lacquer Finish, Add	*1,094.70*	
		For Baked Enamel Standard Colors, Add	*1,642.05*	
		For Anodized Finish, Add	*2,189.40*	
		For Kynar® Standard Colors Finish, Add	*3,010.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	1,409.79	79.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*125.09*	
		For Clear Lacquer Finish, Add	*250.19*	
		For Baked Enamel Standard Colors, Add	*375.28*	
		For Anodized Finish, Add	*500.37*	
		For Kynar® Standard Colors Finish, Add	*688.01*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,818.24	97.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*162.27*	
		For Clear Lacquer Finish, Add	*324.54*	
		For Baked Enamel Standard Colors, Add	*486.82*	
		For Anodized Finish, Add	*649.09*	
		For Kynar® Standard Colors Finish, Add	*892.50*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	2,120.52	109.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*190.06*	
		For Clear Lacquer Finish, Add	*380.11*	
		For Baked Enamel Standard Colors, Add	*570.17*	
		For Anodized Finish, Add	*760.22*	
		For Kynar® Standard Colors Finish, Add	*1,045.31*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	2,454.86	116.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*222.27*	
		For Clear Lacquer Finish, Add	*444.54*	
		For Baked Enamel Standard Colors, Add	*666.80*	
		For Anodized Finish, Add	*889.07*	
		For Kynar® Standard Colors Finish, Add	*1,222.47*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	2,803.36	125.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*255.29*	
		For Clear Lacquer Finish, Add	*510.57*	
		For Baked Enamel Standard Colors, Add	*765.86*	
		For Anodized Finish, Add	*1,021.14*	
		For Kynar® Standard Colors Finish, Add	*1,404.07*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	3,116.24	131.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*285.35*	
		For Clear Lacquer Finish, Add	*570.70*	
		For Baked Enamel Standard Colors, Add	*856.06*	
		For Anodized Finish, Add	*1,141.41*	
		For Kynar® Standard Colors Finish, Add	*1,569.44*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	3,534.54	140.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*325.35*	
		For Clear Lacquer Finish, Add	*650.70*	
		For Baked Enamel Standard Colors, Add	*976.05*	
		For Anodized Finish, Add	*1,301.40*	
		For Kynar® Standard Colors Finish, Add	*1,789.42*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	3,924.67	149.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*362.53*	
		For Clear Lacquer Finish, Add	*725.06*	
		For Baked Enamel Standard Colors, Add	*1,087.58*	
		For Anodized Finish, Add	*1,450.11*	
		For Kynar® Standard Colors Finish, Add	*1,993.90*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	4,227.55	158.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*390.98*	
		For Clear Lacquer Finish, Add	*781.97*	
		For Baked Enamel Standard Colors, Add	*1,172.95*	
		For Anodized Finish, Add	*1,563.93*	
		For Kynar® Standard Colors Finish, Add	*2,150.41*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	4,525.06	168.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*418.90*	
		For Clear Lacquer Finish, Add	*837.80*	
		For Baked Enamel Standard Colors, Add	*1,256.70*	
		For Anodized Finish, Add	*1,675.60*	
		For Kynar® Standard Colors Finish, Add	*2,303.96*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	4,812.43	174.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*446.42*	
		For Clear Lacquer Finish, Add	*892.83*	
		For Baked Enamel Standard Colors, Add	*1,339.25*	
		For Anodized Finish, Add	*1,785.66*	
		For Kynar® Standard Colors Finish, Add	*2,455.29*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	5,201.81	180.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*484.13*	
		For Clear Lacquer Finish, Add	*968.26*	
		For Baked Enamel Standard Colors, Add	*1,452.40*	
		For Anodized Finish, Add	*1,936.53*	
		For Kynar® Standard Colors Finish, Add	*2,662.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,514.68	186.35
		For Flange Frame, Add	*514.20*	
		For Clear Lacquer Finish, Add	*1,028.39*	
		For Baked Enamel Standard Colors, Add	*1,542.59*	
		For Anodized Finish, Add	*2,056.79*	
		For Kynar® Standard Colors Finish, Add	*2,828.08*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,920.16	192.47
		For Flange Frame, Add	*553.52*	
		For Clear Lacquer Finish, Add	*1,107.05*	
		For Baked Enamel Standard Colors, Add	*1,660.57*	
		For Anodized Finish, Add	*2,214.09*	
		For Kynar® Standard Colors Finish, Add	*3,044.38*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	6,216.92	198.58
		For Flange Frame, Add	*581.98*	
		For Clear Lacquer Finish, Add	*1,163.96*	
		For Baked Enamel Standard Colors, Add	*1,745.93*	
		For Anodized Finish, Add	*2,327.91*	
		For Kynar® Standard Colors Finish, Add	*3,200.88*	
08 91 16 00-0137		Adjustable Intake Wall Louvers Operators *(08 91 16)*		
08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	351.02	30.55
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	800.23	12.22
08 91 19		**Fixed Louvers** *(08 91)*		
08 91 19 00-0001		Fixed Intake Wall Louvers *(08 91 19)*		
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	460.33	27.50
		For Flange Frame, Add	*40.53*	
		For Clear Lacquer Finish, Add	*81.07*	
		For Baked Enamel Standard Colors, Add	*121.60*	
		For Anodized Finish, Add	*162.14*	
		For Kynar® Standard Colors Finish, Add	*222.94*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	546.38	33.61
		For Flange Frame, Add	*47.92*	
		For Clear Lacquer Finish, Add	*95.83*	
		For Baked Enamel Standard Colors, Add	*143.75*	
		For Anodized Finish, Add	*191.67*	
		For Kynar® Standard Colors Finish, Add	*263.54*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	633.75	39.72
		For Flange Frame, Add	*55.43*	
		For Clear Lacquer Finish, Add	*110.87*	
		For Baked Enamel Standard Colors, Add	*166.30*	
		For Anodized Finish, Add	*221.73*	
		For Kynar® Standard Colors Finish, Add	*304.88*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	743.95	45.83
		For Flange Frame, Add	*65.23*	
		For Clear Lacquer Finish, Add	*130.46*	
		For Baked Enamel Standard Colors, Add	*195.69*	
		For Anodized Finish, Add	*260.92*	
		For Kynar® Standard Colors Finish, Add	*358.77*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	836.71	51.94
		For Flange Frame, Add	*73.28*	
		For Clear Lacquer Finish, Add	*146.57*	
		For Baked Enamel Standard Colors, Add	*219.85*	
		For Anodized Finish, Add	*293.14*	
		For Kynar® Standard Colors Finish, Add	*403.06*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	988.52	58.05
		For Flange Frame, Add	*87.24*	
		For Clear Lacquer Finish, Add	*174.49*	
		For Baked Enamel Standard Colors, Add	*261.73*	
		For Anodized Finish, Add	*348.97*	
		For Kynar® Standard Colors Finish, Add	*479.84*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,070.53	64.16
		For Flange Frame, Add	*94.22*	
		For Clear Lacquer Finish, Add	*188.44*	
		For Baked Enamel Standard Colors, Add	*282.67*	
		For Anodized Finish, Add	*376.89*	
		For Kynar® Standard Colors Finish, Add	*518.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,196.24	73.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*104.96*	
		For Clear Lacquer Finish, Add	*209.92*	
		For Baked Enamel Standard Colors, Add	*314.88*	
		For Anodized Finish, Add	*419.84*	
		For Kynar® Standard Colors Finish, Add	*577.28*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,271.54	79.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.27*	
		For Clear Lacquer Finish, Add	*222.54*	
		For Baked Enamel Standard Colors, Add	*333.80*	
		For Anodized Finish, Add	*445.07*	
		For Kynar® Standard Colors Finish, Add	*611.97*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,375.03	85.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*120.40*	
		For Clear Lacquer Finish, Add	*240.79*	
		For Baked Enamel Standard Colors, Add	*361.19*	
		For Anodized Finish, Add	*481.58*	
		For Kynar® Standard Colors Finish, Add	*662.17*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,465.10	91.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*128.18*	
		For Clear Lacquer Finish, Add	*256.36*	
		For Baked Enamel Standard Colors, Add	*384.54*	
		For Anodized Finish, Add	*512.72*	
		For Kynar® Standard Colors Finish, Add	*704.99*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,572.62	97.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*137.71*	
		For Clear Lacquer Finish, Add	*275.42*	
		For Baked Enamel Standard Colors, Add	*413.13*	
		For Anodized Finish, Add	*550.84*	
		For Kynar® Standard Colors Finish, Add	*757.41*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,673.42	103.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*146.57*	
		For Clear Lacquer Finish, Add	*293.14*	
		For Baked Enamel Standard Colors, Add	*439.70*	
		For Anodized Finish, Add	*586.27*	
		For Kynar® Standard Colors Finish, Add	*806.12*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,761.55	113.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*153.55*	
		For Clear Lacquer Finish, Add	*307.10*	
		For Baked Enamel Standard Colors, Add	*460.64*	
		For Anodized Finish, Add	*614.19*	
		For Kynar® Standard Colors Finish, Add	*844.51*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,880.53	122.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*163.61*	
		For Clear Lacquer Finish, Add	*327.23*	
		For Baked Enamel Standard Colors, Add	*490.84*	
		For Anodized Finish, Add	*654.46*	
		For Kynar® Standard Colors Finish, Add	*899.88*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	534.30	33.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.71*	
		For Clear Lacquer Finish, Add	*93.42*	
		For Baked Enamel Standard Colors, Add	*140.13*	
		For Anodized Finish, Add	*186.84*	
		For Kynar® Standard Colors Finish, Add	*256.90*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	639.86	42.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.43*	
		For Clear Lacquer Finish, Add	*110.87*	
		For Baked Enamel Standard Colors, Add	*166.30*	
		For Anodized Finish, Add	*221.73*	
		For Kynar® Standard Colors Finish, Add	*304.88*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	742.02	48.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.43*	
		For Clear Lacquer Finish, Add	*128.85*	
		For Baked Enamel Standard Colors, Add	*193.28*	
		For Anodized Finish, Add	*257.70*	
		For Kynar® Standard Colors Finish, Add	*354.34*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	930.20	61.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*80.80*	
		For Clear Lacquer Finish, Add	*161.60*	
		For Baked Enamel Standard Colors, Add	*242.40*	
		For Anodized Finish, Add	*323.20*	
		For Kynar® Standard Colors Finish, Add	*444.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,068.59	67.21
		For Flange Frame, Add	*93.42*	
		For Clear Lacquer Finish, Add	*186.83*	
		For Baked Enamel Standard Colors, Add	*280.25*	
		For Anodized Finish, Add	*373.67*	
		For Kynar® Standard Colors Finish, Add	*513.79*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,190.87	73.32
		For Flange Frame, Add	*104.42*	
		For Clear Lacquer Finish, Add	*208.85*	
		For Baked Enamel Standard Colors, Add	*313.27*	
		For Anodized Finish, Add	*417.69*	
		For Kynar® Standard Colors Finish, Add	*574.33*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,276.91	79.42
		For Flange Frame, Add	*111.81*	
		For Clear Lacquer Finish, Add	*223.61*	
		For Baked Enamel Standard Colors, Add	*335.42*	
		For Anodized Finish, Add	*447.22*	
		For Kynar® Standard Colors Finish, Add	*614.93*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,421.41	88.59
		For Flange Frame, Add	*124.42*	
		For Clear Lacquer Finish, Add	*248.84*	
		For Baked Enamel Standard Colors, Add	*373.27*	
		For Anodized Finish, Add	*497.69*	
		For Kynar® Standard Colors Finish, Add	*684.32*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,521.61	97.76
		For Flange Frame, Add	*132.61*	
		For Clear Lacquer Finish, Add	*265.22*	
		For Baked Enamel Standard Colors, Add	*397.83*	
		For Anodized Finish, Add	*530.44*	
		For Kynar® Standard Colors Finish, Add	*729.35*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,654.63	103.87
		For Flange Frame, Add	*144.69*	
		For Clear Lacquer Finish, Add	*289.38*	
		For Baked Enamel Standard Colors, Add	*434.07*	
		For Anodized Finish, Add	*578.76*	
		For Kynar® Standard Colors Finish, Add	*795.79*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,755.44	109.98
		For Flange Frame, Add	*153.55*	
		For Clear Lacquer Finish, Add	*307.10*	
		For Baked Enamel Standard Colors, Add	*460.64*	
		For Anodized Finish, Add	*614.19*	
		For Kynar® Standard Colors Finish, Add	*844.51*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,868.32	116.09
		For Flange Frame, Add	*163.61*	
		For Clear Lacquer Finish, Add	*327.23*	
		For Baked Enamel Standard Colors, Add	*490.84*	
		For Anodized Finish, Add	*654.46*	
		For Kynar® Standard Colors Finish, Add	*899.88*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,986.57	122.20
		For Flange Frame, Add	*174.22*	
		For Clear Lacquer Finish, Add	*348.44*	
		For Baked Enamel Standard Colors, Add	*522.65*	
		For Anodized Finish, Add	*696.87*	
		For Kynar® Standard Colors Finish, Add	*958.20*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,089.45	131.36
		For Flange Frame, Add	*182.67*	
		For Clear Lacquer Finish, Add	*365.35*	
		For Baked Enamel Standard Colors, Add	*548.02*	
		For Anodized Finish, Add	*730.69*	
		For Kynar® Standard Colors Finish, Add	*1,004.70*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,233.95	140.53
		For Flange Frame, Add	*195.29*	
		For Clear Lacquer Finish, Add	*390.58*	
		For Baked Enamel Standard Colors, Add	*585.87*	
		For Anodized Finish, Add	*781.16*	
		For Kynar® Standard Colors Finish, Add	*1,074.10*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	617.64	39.72
		For Flange Frame, Add	*53.82*	
		For Clear Lacquer Finish, Add	*107.64*	
		For Baked Enamel Standard Colors, Add	*161.47*	
		For Anodized Finish, Add	*215.29*	
		For Kynar® Standard Colors Finish, Add	*296.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	735.30	48.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.75*	
		For Clear Lacquer Finish, Add	*127.51*	
		For Baked Enamel Standard Colors, Add	*191.26*	
		For Anodized Finish, Add	*255.02*	
		For Kynar® Standard Colors Finish, Add	*350.65*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	912.01	58.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*79.59*	
		For Clear Lacquer Finish, Add	*159.18*	
		For Baked Enamel Standard Colors, Add	*238.78*	
		For Anodized Finish, Add	*318.37*	
		For Kynar® Standard Colors Finish, Add	*437.76*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,074.70	70.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*93.42*	
		For Clear Lacquer Finish, Add	*186.83*	
		For Baked Enamel Standard Colors, Add	*280.25*	
		For Anodized Finish, Add	*373.67*	
		For Kynar® Standard Colors Finish, Add	*513.79*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,231.88	76.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*107.91*	
		For Clear Lacquer Finish, Add	*215.83*	
		For Baked Enamel Standard Colors, Add	*323.74*	
		For Anodized Finish, Add	*431.65*	
		For Kynar® Standard Colors Finish, Add	*593.52*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,376.98	82.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*121.20*	
		For Clear Lacquer Finish, Add	*242.40*	
		For Baked Enamel Standard Colors, Add	*363.60*	
		For Anodized Finish, Add	*484.80*	
		For Kynar® Standard Colors Finish, Add	*666.61*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,495.97	91.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*131.27*	
		For Clear Lacquer Finish, Add	*262.53*	
		For Baked Enamel Standard Colors, Add	*393.80*	
		For Anodized Finish, Add	*525.07*	
		For Kynar® Standard Colors Finish, Add	*721.97*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,654.63	103.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*144.69*	
		For Clear Lacquer Finish, Add	*289.38*	
		For Baked Enamel Standard Colors, Add	*434.07*	
		For Anodized Finish, Add	*578.76*	
		For Kynar® Standard Colors Finish, Add	*795.79*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,760.81	109.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*154.09*	
		For Clear Lacquer Finish, Add	*308.17*	
		For Baked Enamel Standard Colors, Add	*462.26*	
		For Anodized Finish, Add	*616.34*	
		For Kynar® Standard Colors Finish, Add	*847.47*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,934.22	122.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*168.98*	
		For Clear Lacquer Finish, Add	*337.97*	
		For Baked Enamel Standard Colors, Add	*506.95*	
		For Anodized Finish, Add	*675.93*	
		For Kynar® Standard Colors Finish, Add	*929.41*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,044.42	128.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*178.78*	
		For Clear Lacquer Finish, Add	*357.56*	
		For Baked Enamel Standard Colors, Add	*536.34*	
		For Anodized Finish, Add	*715.12*	
		For Kynar® Standard Colors Finish, Add	*983.30*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,188.18	134.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*191.94*	
		For Clear Lacquer Finish, Add	*383.87*	
		For Baked Enamel Standard Colors, Add	*575.81*	
		For Anodized Finish, Add	*767.74*	
		For Kynar® Standard Colors Finish, Add	*1,055.64*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,329.25	140.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*204.82*	
		For Clear Lacquer Finish, Add	*409.64*	
		For Baked Enamel Standard Colors, Add	*614.46*	
		For Anodized Finish, Add	*819.28*	
		For Kynar® Standard Colors Finish, Add	*1,126.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,434.83	149.69
		For Flange Frame, Add	*213.54*	
		For Clear Lacquer Finish, Add	*427.09*	
		For Baked Enamel Standard Colors, Add	*640.63*	
		For Anodized Finish, Add	*854.18*	
		For Kynar® Standard Colors Finish, Add	*1,174.49*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,611.54	158.86
		For Flange Frame, Add	*229.38*	
		For Clear Lacquer Finish, Add	*458.76*	
		For Baked Enamel Standard Colors, Add	*688.15*	
		For Anodized Finish, Add	*917.53*	
		For Kynar® Standard Colors Finish, Add	*1,261.60*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	691.60	45.83
		For Flange Frame, Add	*60.00*	
		For Clear Lacquer Finish, Add	*119.99*	
		For Baked Enamel Standard Colors, Add	*179.99*	
		For Anodized Finish, Add	*239.98*	
		For Kynar® Standard Colors Finish, Add	*329.98*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	893.96	61.10
		For Flange Frame, Add	*77.18*	
		For Clear Lacquer Finish, Add	*154.35*	
		For Baked Enamel Standard Colors, Add	*231.53*	
		For Anodized Finish, Add	*308.70*	
		For Kynar® Standard Colors Finish, Add	*424.47*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,043.83	70.27
		For Flange Frame, Add	*90.33*	
		For Clear Lacquer Finish, Add	*180.66*	
		For Baked Enamel Standard Colors, Add	*270.99*	
		For Anodized Finish, Add	*361.32*	
		For Kynar® Standard Colors Finish, Add	*496.82*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,219.20	79.42
		For Flange Frame, Add	*106.03*	
		For Clear Lacquer Finish, Add	*212.07*	
		For Baked Enamel Standard Colors, Add	*318.10*	
		For Anodized Finish, Add	*424.14*	
		For Kynar® Standard Colors Finish, Add	*583.19*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,408.59	85.53
		For Flange Frame, Add	*123.75*	
		For Clear Lacquer Finish, Add	*247.50*	
		For Baked Enamel Standard Colors, Add	*371.25*	
		For Anodized Finish, Add	*495.00*	
		For Kynar® Standard Colors Finish, Add	*680.63*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,566.51	94.70
		For Flange Frame, Add	*137.71*	
		For Clear Lacquer Finish, Add	*275.42*	
		For Baked Enamel Standard Colors, Add	*413.13*	
		For Anodized Finish, Add	*550.84*	
		For Kynar® Standard Colors Finish, Add	*757.41*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,684.76	100.81
		For Flange Frame, Add	*148.31*	
		For Clear Lacquer Finish, Add	*296.63*	
		For Baked Enamel Standard Colors, Add	*444.94*	
		For Anodized Finish, Add	*593.25*	
		For Kynar® Standard Colors Finish, Add	*815.72*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,850.73	109.98
		For Flange Frame, Add	*163.08*	
		For Clear Lacquer Finish, Add	*326.15*	
		For Baked Enamel Standard Colors, Add	*489.23*	
		For Anodized Finish, Add	*652.31*	
		For Kynar® Standard Colors Finish, Add	*896.92*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,983.75	116.09
		For Flange Frame, Add	*175.16*	
		For Clear Lacquer Finish, Add	*350.31*	
		For Baked Enamel Standard Colors, Add	*525.47*	
		For Anodized Finish, Add	*700.63*	
		For Kynar® Standard Colors Finish, Add	*963.36*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,185.35	128.31
		For Flange Frame, Add	*192.87*	
		For Clear Lacquer Finish, Add	*385.75*	
		For Baked Enamel Standard Colors, Add	*578.62*	
		For Anodized Finish, Add	*771.50*	
		For Kynar® Standard Colors Finish, Add	*1,060.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,313.74	137.47
		For Flange Frame, Add	*203.88*	
		For Clear Lacquer Finish, Add	*407.76*	
		For Baked Enamel Standard Colors, Add	*611.64*	
		For Anodized Finish, Add	*815.52*	
		For Kynar® Standard Colors Finish, Add	*1,121.34*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,466.89	143.58
		For Flange Frame, Add	*217.97*	
		For Clear Lacquer Finish, Add	*435.95*	
		For Baked Enamel Standard Colors, Add	*653.92*	
		For Anodized Finish, Add	*871.89*	
		For Kynar® Standard Colors Finish, Add	*1,198.85*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,618.71	149.69
		For Flange Frame, Add	*231.93*	
		For Clear Lacquer Finish, Add	*463.86*	
		For Baked Enamel Standard Colors, Add	*695.80*	
		For Anodized Finish, Add	*927.73*	
		For Kynar® Standard Colors Finish, Add	*1,275.63*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,744.42	158.86
		For Flange Frame, Add	*242.67*	
		For Clear Lacquer Finish, Add	*485.34*	
		For Baked Enamel Standard Colors, Add	*728.01*	
		For Anodized Finish, Add	*970.68*	
		For Kynar® Standard Colors Finish, Add	*1,334.69*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,945.29	168.02
		For Flange Frame, Add	*260.92*	
		For Clear Lacquer Finish, Add	*521.85*	
		For Baked Enamel Standard Colors, Add	*782.77*	
		For Anodized Finish, Add	*1,043.70*	
		For Kynar® Standard Colors Finish, Add	*1,435.08*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	766.92	51.94
		For Flange Frame, Add	*66.31*	
		For Clear Lacquer Finish, Add	*132.61*	
		For Baked Enamel Standard Colors, Add	*198.92*	
		For Anodized Finish, Add	*265.22*	
		For Kynar® Standard Colors Finish, Add	*364.68*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,006.85	67.21
		For Flange Frame, Add	*87.24*	
		For Clear Lacquer Finish, Add	*174.49*	
		For Baked Enamel Standard Colors, Add	*261.73*	
		For Anodized Finish, Add	*348.97*	
		For Kynar® Standard Colors Finish, Add	*479.84*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,164.77	76.38
		For Flange Frame, Add	*101.20*	
		For Clear Lacquer Finish, Add	*202.40*	
		For Baked Enamel Standard Colors, Add	*303.61*	
		For Anodized Finish, Add	*404.81*	
		For Kynar® Standard Colors Finish, Add	*556.61*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,353.56	85.53
		For Flange Frame, Add	*118.25*	
		For Clear Lacquer Finish, Add	*236.50*	
		For Baked Enamel Standard Colors, Add	*354.74*	
		For Anodized Finish, Add	*472.99*	
		For Kynar® Standard Colors Finish, Add	*650.36*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,566.86	92.87
		For Flange Frame, Add	*138.11*	
		For Clear Lacquer Finish, Add	*276.22*	
		For Baked Enamel Standard Colors, Add	*414.34*	
		For Anodized Finish, Add	*552.45*	
		For Kynar® Standard Colors Finish, Add	*759.62*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,731.74	100.81
		For Flange Frame, Add	*153.01*	
		For Clear Lacquer Finish, Add	*306.02*	
		For Baked Enamel Standard Colors, Add	*459.03*	
		For Anodized Finish, Add	*612.04*	
		For Kynar® Standard Colors Finish, Add	*841.56*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,874.15	106.92
		For Flange Frame, Add	*166.03*	
		For Clear Lacquer Finish, Add	*332.06*	
		For Baked Enamel Standard Colors, Add	*498.09*	
		For Anodized Finish, Add	*664.12*	
		For Kynar® Standard Colors Finish, Add	*913.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,064.28	116.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*183.21*	
		For Clear Lacquer Finish, Add	*366.42*	
		For Baked Enamel Standard Colors, Add	*549.63*	
		For Anodized Finish, Add	*732.84*	
		For Kynar® Standard Colors Finish, Add	*1,007.66*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,207.43	125.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*195.69*	
		For Clear Lacquer Finish, Add	*391.39*	
		For Baked Enamel Standard Colors, Add	*587.08*	
		For Anodized Finish, Add	*782.77*	
		For Kynar® Standard Colors Finish, Add	*1,076.31*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,436.48	134.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*216.77*	
		For Clear Lacquer Finish, Add	*433.53*	
		For Baked Enamel Standard Colors, Add	*650.30*	
		For Anodized Finish, Add	*867.06*	
		For Kynar® Standard Colors Finish, Add	*1,192.21*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,586.35	143.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*229.92*	
		For Clear Lacquer Finish, Add	*459.84*	
		For Baked Enamel Standard Colors, Add	*689.76*	
		For Anodized Finish, Add	*919.68*	
		For Kynar® Standard Colors Finish, Add	*1,264.55*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,750.25	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*245.09*	
		For Clear Lacquer Finish, Add	*490.17*	
		For Baked Enamel Standard Colors, Add	*735.26*	
		For Anodized Finish, Add	*980.34*	
		For Kynar® Standard Colors Finish, Add	*1,347.97*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,920.85	155.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*260.92*	
		For Clear Lacquer Finish, Add	*521.85*	
		For Baked Enamel Standard Colors, Add	*782.77*	
		For Anodized Finish, Add	*1,043.70*	
		For Kynar® Standard Colors Finish, Add	*1,435.08*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,065.34	164.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*273.54*	
		For Clear Lacquer Finish, Add	*547.08*	
		For Baked Enamel Standard Colors, Add	*820.62*	
		For Anodized Finish, Add	*1,094.16*	
		For Kynar® Standard Colors Finish, Add	*1,504.47*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,293.06	174.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*294.48*	
		For Clear Lacquer Finish, Add	*588.96*	
		For Baked Enamel Standard Colors, Add	*883.44*	
		For Anodized Finish, Add	*1,177.92*	
		For Kynar® Standard Colors Finish, Add	*1,619.63*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	893.22	58.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*77.71*	
		For Clear Lacquer Finish, Add	*155.43*	
		For Baked Enamel Standard Colors, Add	*233.14*	
		For Anodized Finish, Add	*310.85*	
		For Kynar® Standard Colors Finish, Add	*427.42*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,094.23	73.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*94.76*	
		For Clear Lacquer Finish, Add	*189.52*	
		For Baked Enamel Standard Colors, Add	*284.28*	
		For Anodized Finish, Add	*379.04*	
		For Kynar® Standard Colors Finish, Add	*521.17*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,269.60	82.48
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.46*	
		For Clear Lacquer Finish, Add	*220.93*	
		For Baked Enamel Standard Colors, Add	*331.39*	
		For Anodized Finish, Add	*441.85*	
		For Kynar® Standard Colors Finish, Add	*607.55*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,485.98	94.70
		Note: Includes bird screen.		
		For Flange Frame, Add	*129.66*	
		For Clear Lacquer Finish, Add	*259.31*	
		For Baked Enamel Standard Colors, Add	*388.97*	
		For Anodized Finish, Add	*518.63*	
		For Kynar® Standard Colors Finish, Add	*713.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,718.32	100.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*151.67*	
		For Clear Lacquer Finish, Add	*303.34*	
		For Baked Enamel Standard Colors, Add	*455.01*	
		For Anodized Finish, Add	*606.68*	
		For Kynar® Standard Colors Finish, Add	*834.18*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,903.68	106.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*168.98*	
		For Clear Lacquer Finish, Add	*337.97*	
		For Baked Enamel Standard Colors, Add	*506.95*	
		For Anodized Finish, Add	*675.93*	
		For Kynar® Standard Colors Finish, Add	*929.41*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,063.54	113.03
		Note: Includes bird screen.		
		For Flange Frame, Add	*183.75*	
		For Clear Lacquer Finish, Add	*367.49*	
		For Baked Enamel Standard Colors, Add	*551.24*	
		For Anodized Finish, Add	*734.99*	
		For Kynar® Standard Colors Finish, Add	*1,010.61*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,253.66	122.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.93*	
		For Clear Lacquer Finish, Add	*401.85*	
		For Baked Enamel Standard Colors, Add	*602.78*	
		For Anodized Finish, Add	*803.71*	
		For Kynar® Standard Colors Finish, Add	*1,105.10*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,415.61	131.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*215.29*	
		For Clear Lacquer Finish, Add	*430.58*	
		For Baked Enamel Standard Colors, Add	*645.87*	
		For Anodized Finish, Add	*861.16*	
		For Kynar® Standard Colors Finish, Add	*1,184.09*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,670.17	140.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*238.91*	
		For Clear Lacquer Finish, Add	*477.82*	
		For Baked Enamel Standard Colors, Add	*716.74*	
		For Anodized Finish, Add	*955.65*	
		For Kynar® Standard Colors Finish, Add	*1,314.02*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,832.12	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*253.27*	
		For Clear Lacquer Finish, Add	*506.55*	
		For Baked Enamel Standard Colors, Add	*759.82*	
		For Anodized Finish, Add	*1,013.09*	
		For Kynar® Standard Colors Finish, Add	*1,393.00*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,017.49	155.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*270.59*	
		For Clear Lacquer Finish, Add	*541.18*	
		For Baked Enamel Standard Colors, Add	*811.76*	
		For Anodized Finish, Add	*1,082.35*	
		For Kynar® Standard Colors Finish, Add	*1,488.23*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,204.19	161.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*288.04*	
		For Clear Lacquer Finish, Add	*576.07*	
		For Baked Enamel Standard Colors, Add	*864.11*	
		For Anodized Finish, Add	*1,152.14*	
		For Kynar® Standard Colors Finish, Add	*1,584.20*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,375.53	171.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.34*	
		For Clear Lacquer Finish, Add	*606.67*	
		For Baked Enamel Standard Colors, Add	*910.01*	
		For Anodized Finish, Add	*1,213.35*	
		For Kynar® Standard Colors Finish, Add	*1,668.35*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,620.69	180.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*326.02*	
		For Clear Lacquer Finish, Add	*652.04*	
		For Baked Enamel Standard Colors, Add	*978.06*	
		For Anodized Finish, Add	*1,304.08*	
		For Kynar® Standard Colors Finish, Add	*1,793.11*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	976.58	64.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*84.83*	
		For Clear Lacquer Finish, Add	*169.65*	
		For Baked Enamel Standard Colors, Add	*254.48*	
		For Anodized Finish, Add	*339.31*	
		For Kynar® Standard Colors Finish, Add	*466.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,196.38	79.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*103.75*	
		For Clear Lacquer Finish, Add	*207.50*	
		For Baked Enamel Standard Colors, Add	*311.26*	
		For Anodized Finish, Add	*415.01*	
		For Kynar® Standard Colors Finish, Add	*570.64*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,402.02	91.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*121.87*	
		For Clear Lacquer Finish, Add	*243.74*	
		For Baked Enamel Standard Colors, Add	*365.62*	
		For Anodized Finish, Add	*487.49*	
		For Kynar® Standard Colors Finish, Add	*670.30*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,616.31	100.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*141.47*	
		For Clear Lacquer Finish, Add	*282.94*	
		For Baked Enamel Standard Colors, Add	*424.40*	
		For Anodized Finish, Add	*565.87*	
		For Kynar® Standard Colors Finish, Add	*778.07*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,882.20	106.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*166.84*	
		For Clear Lacquer Finish, Add	*333.67*	
		For Baked Enamel Standard Colors, Add	*500.51*	
		For Anodized Finish, Add	*667.34*	
		For Kynar® Standard Colors Finish, Add	*917.59*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,097.10	113.03
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.10*	
		For Clear Lacquer Finish, Add	*374.21*	
		For Baked Enamel Standard Colors, Add	*561.31*	
		For Anodized Finish, Add	*748.41*	
		For Kynar® Standard Colors Finish, Add	*1,029.07*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,272.45	122.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*202.81*	
		For Clear Lacquer Finish, Add	*405.61*	
		For Baked Enamel Standard Colors, Add	*608.42*	
		For Anodized Finish, Add	*811.22*	
		For Kynar® Standard Colors Finish, Add	*1,115.43*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,551.17	131.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.85*	
		For Clear Lacquer Finish, Add	*457.69*	
		For Baked Enamel Standard Colors, Add	*686.54*	
		For Anodized Finish, Add	*915.38*	
		For Kynar® Standard Colors Finish, Add	*1,258.65*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,670.17	140.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*238.91*	
		For Clear Lacquer Finish, Add	*477.82*	
		For Baked Enamel Standard Colors, Add	*716.74*	
		For Anodized Finish, Add	*955.65*	
		For Kynar® Standard Colors Finish, Add	*1,314.02*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,942.18	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*264.28*	
		For Clear Lacquer Finish, Add	*528.56*	
		For Baked Enamel Standard Colors, Add	*792.84*	
		For Anodized Finish, Add	*1,057.12*	
		For Kynar® Standard Colors Finish, Add	*1,453.53*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,129.63	158.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*281.19*	
		For Clear Lacquer Finish, Add	*562.38*	
		For Baked Enamel Standard Colors, Add	*843.57*	
		For Anodized Finish, Add	*1,124.76*	
		For Kynar® Standard Colors Finish, Add	*1,546.55*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,336.47	164.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*300.65*	
		For Clear Lacquer Finish, Add	*601.31*	
		For Baked Enamel Standard Colors, Add	*901.96*	
		For Anodized Finish, Add	*1,202.61*	
		For Kynar® Standard Colors Finish, Add	*1,653.59*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,543.31	171.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*320.12*	
		For Clear Lacquer Finish, Add	*640.23*	
		For Baked Enamel Standard Colors, Add	*960.35*	
		For Anodized Finish, Add	*1,280.46*	
		For Kynar® Standard Colors Finish, Add	*1,760.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,715.25	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*336.09*	
		For Clear Lacquer Finish, Add	*672.17*	
		For Baked Enamel Standard Colors, Add	*1,008.26*	
		For Anodized Finish, Add	*1,344.35*	
		For Kynar® Standard Colors Finish, Add	*1,848.48*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,997.99	186.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*362.53*	
		For Clear Lacquer Finish, Add	*725.06*	
		For Baked Enamel Standard Colors, Add	*1,087.58*	
		For Anodized Finish, Add	*1,450.11*	
		For Kynar® Standard Colors Finish, Add	*1,993.90*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,080.81	73.32
		Note: Includes bird screen.		
		For Flange Frame, Add	*93.42*	
		For Clear Lacquer Finish, Add	*186.83*	
		For Baked Enamel Standard Colors, Add	*280.25*	
		For Anodized Finish, Add	*373.67*	
		For Kynar® Standard Colors Finish, Add	*513.79*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,327.46	88.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*115.03*	
		For Clear Lacquer Finish, Add	*230.05*	
		For Baked Enamel Standard Colors, Add	*345.08*	
		For Anodized Finish, Add	*460.11*	
		For Kynar® Standard Colors Finish, Add	*632.65*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,553.97	103.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.62*	
		For Clear Lacquer Finish, Add	*269.25*	
		For Baked Enamel Standard Colors, Add	*403.87*	
		For Anodized Finish, Add	*538.49*	
		For Kynar® Standard Colors Finish, Add	*740.43*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,784.97	109.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.50*	
		For Clear Lacquer Finish, Add	*313.00*	
		For Baked Enamel Standard Colors, Add	*469.50*	
		For Anodized Finish, Add	*626.00*	
		For Kynar® Standard Colors Finish, Add	*860.76*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,103.21	116.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.10*	
		For Clear Lacquer Finish, Add	*374.21*	
		For Baked Enamel Standard Colors, Add	*561.31*	
		For Anodized Finish, Add	*748.41*	
		For Kynar® Standard Colors Finish, Add	*1,029.07*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,323.46	122.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*207.91*	
		For Clear Lacquer Finish, Add	*415.81*	
		For Baked Enamel Standard Colors, Add	*623.72*	
		For Anodized Finish, Add	*831.63*	
		For Kynar® Standard Colors Finish, Add	*1,143.49*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,529.70	131.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*226.70*	
		For Clear Lacquer Finish, Add	*453.40*	
		For Baked Enamel Standard Colors, Add	*680.09*	
		For Anodized Finish, Add	*906.79*	
		For Kynar® Standard Colors Finish, Add	*1,246.84*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,833.91	140.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.29*	
		For Clear Lacquer Finish, Add	*510.57*	
		For Baked Enamel Standard Colors, Add	*765.86*	
		For Anodized Finish, Add	*1,021.14*	
		For Kynar® Standard Colors Finish, Add	*1,404.07*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,046.87	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.75*	
		For Clear Lacquer Finish, Add	*549.50*	
		For Baked Enamel Standard Colors, Add	*824.24*	
		For Anodized Finish, Add	*1,098.99*	
		For Kynar® Standard Colors Finish, Add	*1,511.11*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,365.86	158.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*304.81*	
		For Clear Lacquer Finish, Add	*609.63*	
		For Baked Enamel Standard Colors, Add	*914.44*	
		For Anodized Finish, Add	*1,219.26*	
		For Kynar® Standard Colors Finish, Add	*1,676.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,571.35	164.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*324.14*	
		For Clear Lacquer Finish, Add	*648.28*	
		For Baked Enamel Standard Colors, Add	*972.42*	
		For Anodized Finish, Add	*1,296.56*	
		For Kynar® Standard Colors Finish, Add	*1,782.78*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,806.38	171.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*346.42*	
		For Clear Lacquer Finish, Add	*692.84*	
		For Baked Enamel Standard Colors, Add	*1,039.27*	
		For Anodized Finish, Add	*1,385.69*	
		For Kynar® Standard Colors Finish, Add	*1,905.32*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,032.01	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*367.76*	
		For Clear Lacquer Finish, Add	*735.53*	
		For Baked Enamel Standard Colors, Add	*1,103.29*	
		For Anodized Finish, Add	*1,471.05*	
		For Kynar® Standard Colors Finish, Add	*2,022.70*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,216.71	183.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*385.21*	
		For Clear Lacquer Finish, Add	*770.42*	
		For Baked Enamel Standard Colors, Add	*1,155.63*	
		For Anodized Finish, Add	*1,540.84*	
		For Kynar® Standard Colors Finish, Add	*2,118.66*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,548.43	192.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*416.35*	
		For Clear Lacquer Finish, Add	*832.70*	
		For Baked Enamel Standard Colors, Add	*1,249.05*	
		For Anodized Finish, Add	*1,665.40*	
		For Kynar® Standard Colors Finish, Add	*2,289.93*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,161.48	79.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.26*	
		For Clear Lacquer Finish, Add	*200.52*	
		For Baked Enamel Standard Colors, Add	*300.79*	
		For Anodized Finish, Add	*401.05*	
		For Kynar® Standard Colors Finish, Add	*551.44*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,433.03	97.76
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.75*	
		For Clear Lacquer Finish, Add	*247.50*	
		For Baked Enamel Standard Colors, Add	*371.25*	
		For Anodized Finish, Add	*495.00*	
		For Kynar® Standard Colors Finish, Add	*680.63*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,666.85	109.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*144.69*	
		For Clear Lacquer Finish, Add	*289.38*	
		For Baked Enamel Standard Colors, Add	*434.07*	
		For Anodized Finish, Add	*578.76*	
		For Kynar® Standard Colors Finish, Add	*795.79*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,934.09	116.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*170.19*	
		For Clear Lacquer Finish, Add	*340.38*	
		For Baked Enamel Standard Colors, Add	*510.57*	
		For Anodized Finish, Add	*680.76*	
		For Kynar® Standard Colors Finish, Add	*936.05*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,265.14	125.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.46*	
		For Clear Lacquer Finish, Add	*402.93*	
		For Baked Enamel Standard Colors, Add	*604.39*	
		For Anodized Finish, Add	*805.86*	
		For Kynar® Standard Colors Finish, Add	*1,108.05*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,512.25	131.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*224.95*	
		For Clear Lacquer Finish, Add	*449.91*	
		For Baked Enamel Standard Colors, Add	*674.86*	
		For Anodized Finish, Add	*899.81*	
		For Kynar® Standard Colors Finish, Add	*1,237.24*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,727.88	140.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*244.68*	
		For Clear Lacquer Finish, Add	*489.37*	
		For Baked Enamel Standard Colors, Add	*734.05*	
		For Anodized Finish, Add	*978.73*	
		For Kynar® Standard Colors Finish, Add	*1,345.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,053.58	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*275.42*	
		For Clear Lacquer Finish, Add	*550.84*	
		For Baked Enamel Standard Colors, Add	*826.26*	
		For Anodized Finish, Add	*1,101.68*	
		For Kynar® Standard Colors Finish, Add	*1,514.80*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,282.64	158.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*296.49*	
		For Clear Lacquer Finish, Add	*592.98*	
		For Baked Enamel Standard Colors, Add	*889.48*	
		For Anodized Finish, Add	*1,185.97*	
		For Kynar® Standard Colors Finish, Add	*1,630.71*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,628.47	168.02
		Note: Includes bird screen.		
		For Flange Frame, Add	*329.24*	
		For Clear Lacquer Finish, Add	*658.48*	
		For Baked Enamel Standard Colors, Add	*987.73*	
		For Anodized Finish, Add	*1,316.97*	
		For Kynar® Standard Colors Finish, Add	*1,810.83*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,847.39	174.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*349.91*	
		For Clear Lacquer Finish, Add	*699.82*	
		For Baked Enamel Standard Colors, Add	*1,049.74*	
		For Anodized Finish, Add	*1,399.65*	
		For Kynar® Standard Colors Finish, Add	*1,924.52*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,097.17	180.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*373.67*	
		For Clear Lacquer Finish, Add	*747.34*	
		For Baked Enamel Standard Colors, Add	*1,121.00*	
		For Anodized Finish, Add	*1,494.67*	
		For Kynar® Standard Colors Finish, Add	*2,055.17*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,341.60	186.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*396.89*	
		For Clear Lacquer Finish, Add	*793.78*	
		For Baked Enamel Standard Colors, Add	*1,190.67*	
		For Anodized Finish, Add	*1,587.56*	
		For Kynar® Standard Colors Finish, Add	*2,182.89*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,548.43	192.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*416.35*	
		For Clear Lacquer Finish, Add	*832.70*	
		For Baked Enamel Standard Colors, Add	*1,249.05*	
		For Anodized Finish, Add	*1,665.40*	
		For Kynar® Standard Colors Finish, Add	*2,289.93*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,894.85	198.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*449.77*	
		For Clear Lacquer Finish, Add	*899.54*	
		For Baked Enamel Standard Colors, Add	*1,349.31*	
		For Anodized Finish, Add	*1,799.08*	
		For Kynar® Standard Colors Finish, Add	*2,473.74*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,341.48	85.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*117.04*	
		For Clear Lacquer Finish, Add	*234.08*	
		For Baked Enamel Standard Colors, Add	*351.12*	
		For Anodized Finish, Add	*468.16*	
		For Kynar® Standard Colors Finish, Add	*643.72*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,660.00	103.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.23*	
		For Clear Lacquer Finish, Add	*290.45*	
		For Baked Enamel Standard Colors, Add	*435.68*	
		For Anodized Finish, Add	*580.90*	
		For Kynar® Standard Colors Finish, Add	*798.74*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,934.22	122.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*168.98*	
		For Clear Lacquer Finish, Add	*337.97*	
		For Baked Enamel Standard Colors, Add	*506.95*	
		For Anodized Finish, Add	*675.93*	
		For Kynar® Standard Colors Finish, Add	*929.41*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,225.62	128.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*196.90*	
		For Clear Lacquer Finish, Add	*393.80*	
		For Baked Enamel Standard Colors, Add	*590.70*	
		For Anodized Finish, Add	*787.60*	
		For Kynar® Standard Colors Finish, Add	*1,082.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,613.65	134.42
		For Flange Frame, Add	*234.48*	
		For Clear Lacquer Finish, Add	*468.96*	
		For Baked Enamel Standard Colors, Add	*703.45*	
		For Anodized Finish, Add	*937.93*	
		For Kynar® Standard Colors Finish, Add	*1,289.65*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,883.58	140.53
		For Flange Frame, Add	*260.25*	
		For Clear Lacquer Finish, Add	*520.51*	
		For Baked Enamel Standard Colors, Add	*780.76*	
		For Anodized Finish, Add	*1,041.01*	
		For Kynar® Standard Colors Finish, Add	*1,431.39*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,142.17	149.69
		For Flange Frame, Add	*284.28*	
		For Clear Lacquer Finish, Add	*568.56*	
		For Baked Enamel Standard Colors, Add	*852.83*	
		For Anodized Finish, Add	*1,137.11*	
		For Kynar® Standard Colors Finish, Add	*1,563.53*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,446.39	158.86
		For Flange Frame, Add	*312.87*	
		For Clear Lacquer Finish, Add	*625.73*	
		For Baked Enamel Standard Colors, Add	*938.60*	
		For Anodized Finish, Add	*1,251.47*	
		For Kynar® Standard Colors Finish, Add	*1,720.77*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,703.63	168.02
		For Flange Frame, Add	*336.76*	
		For Clear Lacquer Finish, Add	*673.52*	
		For Baked Enamel Standard Colors, Add	*1,010.27*	
		For Anodized Finish, Add	*1,347.03*	
		For Kynar® Standard Colors Finish, Add	*1,852.17*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,099.86	180.24
		For Flange Frame, Add	*373.94*	
		For Clear Lacquer Finish, Add	*747.87*	
		For Baked Enamel Standard Colors, Add	*1,121.81*	
		For Anodized Finish, Add	*1,495.75*	
		For Kynar® Standard Colors Finish, Add	*2,056.65*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,347.71	189.41
		For Flange Frame, Add	*396.89*	
		For Clear Lacquer Finish, Add	*793.78*	
		For Baked Enamel Standard Colors, Add	*1,190.67*	
		For Anodized Finish, Add	*1,587.56*	
		For Kynar® Standard Colors Finish, Add	*2,182.89*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,612.25	195.52
		For Flange Frame, Add	*422.12*	
		For Clear Lacquer Finish, Add	*844.24*	
		For Baked Enamel Standard Colors, Add	*1,266.37*	
		For Anodized Finish, Add	*1,688.49*	
		For Kynar® Standard Colors Finish, Add	*2,321.67*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,882.17	201.63
		For Flange Frame, Add	*447.89*	
		For Clear Lacquer Finish, Add	*895.78*	
		For Baked Enamel Standard Colors, Add	*1,343.68*	
		For Anodized Finish, Add	*1,791.57*	
		For Kynar® Standard Colors Finish, Add	*2,463.41*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,115.85	207.74
		For Flange Frame, Add	*470.04*	
		For Clear Lacquer Finish, Add	*940.08*	
		For Baked Enamel Standard Colors, Add	*1,410.11*	
		For Anodized Finish, Add	*1,880.15*	
		For Kynar® Standard Colors Finish, Add	*2,585.21*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,502.55	213.85
		For Flange Frame, Add	*507.49*	
		For Clear Lacquer Finish, Add	*1,014.97*	
		For Baked Enamel Standard Colors, Add	*1,522.46*	
		For Anodized Finish, Add	*2,029.94*	
		For Kynar® Standard Colors Finish, Add	*2,791.17*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,415.44	91.64
		For Flange Frame, Add	*123.21*	
		For Clear Lacquer Finish, Add	*246.43*	
		For Baked Enamel Standard Colors, Add	*369.64*	
		For Anodized Finish, Add	*492.86*	
		For Kynar® Standard Colors Finish, Add	*677.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,750.07	109.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*153.01*	
		For Clear Lacquer Finish, Add	*306.02*	
		For Baked Enamel Standard Colors, Add	*459.03*	
		For Anodized Finish, Add	*612.04*	
		For Kynar® Standard Colors Finish, Add	*841.56*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,039.05	128.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*178.24*	
		For Clear Lacquer Finish, Add	*356.49*	
		For Baked Enamel Standard Colors, Add	*534.73*	
		For Anodized Finish, Add	*712.98*	
		For Kynar® Standard Colors Finish, Add	*980.34*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,354.01	137.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*207.91*	
		For Clear Lacquer Finish, Add	*415.81*	
		For Baked Enamel Standard Colors, Add	*623.72*	
		For Anodized Finish, Add	*831.63*	
		For Kynar® Standard Colors Finish, Add	*1,143.49*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,770.23	143.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*248.31*	
		For Clear Lacquer Finish, Add	*496.61*	
		For Baked Enamel Standard Colors, Add	*744.92*	
		For Anodized Finish, Add	*993.23*	
		For Kynar® Standard Colors Finish, Add	*1,365.69*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,054.93	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*275.55*	
		For Clear Lacquer Finish, Add	*551.11*	
		For Baked Enamel Standard Colors, Add	*826.66*	
		For Anodized Finish, Add	*1,102.22*	
		For Kynar® Standard Colors Finish, Add	*1,515.55*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,330.96	158.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*301.32*	
		For Clear Lacquer Finish, Add	*602.65*	
		For Baked Enamel Standard Colors, Add	*903.97*	
		For Anodized Finish, Add	*1,205.30*	
		For Kynar® Standard Colors Finish, Add	*1,657.28*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,646.52	164.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.66*	
		For Clear Lacquer Finish, Add	*663.32*	
		For Baked Enamel Standard Colors, Add	*994.97*	
		For Anodized Finish, Add	*1,326.63*	
		For Kynar® Standard Colors Finish, Add	*1,824.12*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,915.84	174.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*356.76*	
		For Clear Lacquer Finish, Add	*713.51*	
		For Baked Enamel Standard Colors, Add	*1,070.27*	
		For Anodized Finish, Add	*1,427.03*	
		For Kynar® Standard Colors Finish, Add	*1,962.16*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,347.71	189.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*396.89*	
		For Clear Lacquer Finish, Add	*793.78*	
		For Baked Enamel Standard Colors, Add	*1,190.67*	
		For Anodized Finish, Add	*1,587.56*	
		For Kynar® Standard Colors Finish, Add	*2,182.89*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,621.04	198.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*422.39*	
		For Clear Lacquer Finish, Add	*844.78*	
		For Baked Enamel Standard Colors, Add	*1,267.17*	
		For Anodized Finish, Add	*1,689.56*	
		For Kynar® Standard Colors Finish, Add	*2,323.15*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,893.65	204.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*448.43*	
		For Clear Lacquer Finish, Add	*896.86*	
		For Baked Enamel Standard Colors, Add	*1,345.29*	
		For Anodized Finish, Add	*1,793.72*	
		For Kynar® Standard Colors Finish, Add	*2,466.36*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,170.28	210.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*474.87*	
		For Clear Lacquer Finish, Add	*949.74*	
		For Baked Enamel Standard Colors, Add	*1,424.61*	
		For Anodized Finish, Add	*1,899.48*	
		For Kynar® Standard Colors Finish, Add	*2,611.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,429.47	216.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*499.57*	
		For Clear Lacquer Finish, Add	*999.13*	
		For Baked Enamel Standard Colors, Add	*1,498.70*	
		For Anodized Finish, Add	*1,998.27*	
		For Kynar® Standard Colors Finish, Add	*2,747.62*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,841.66	223.02
		Note: Includes bird screen.		
		For Flange Frame, Add	*539.56*	
		For Clear Lacquer Finish, Add	*1,079.13*	
		For Baked Enamel Standard Colors, Add	*1,618.69*	
		For Anodized Finish, Add	*2,158.26*	
		For Kynar® Standard Colors Finish, Add	*2,967.60*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,505.51	97.76
		Note: Includes bird screen.		
		For Flange Frame, Add	*131.00*	
		For Clear Lacquer Finish, Add	*262.00*	
		For Baked Enamel Standard Colors, Add	*393.00*	
		For Anodized Finish, Add	*524.00*	
		For Kynar® Standard Colors Finish, Add	*720.49*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,849.53	116.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*161.74*	
		For Clear Lacquer Finish, Add	*323.47*	
		For Baked Enamel Standard Colors, Add	*485.21*	
		For Anodized Finish, Add	*646.94*	
		For Kynar® Standard Colors Finish, Add	*889.54*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,145.23	134.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.64*	
		For Clear Lacquer Finish, Add	*375.28*	
		For Baked Enamel Standard Colors, Add	*562.92*	
		For Anodized Finish, Add	*750.56*	
		For Kynar® Standard Colors Finish, Add	*1,032.02*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,481.66	143.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*219.45*	
		For Clear Lacquer Finish, Add	*438.90*	
		For Baked Enamel Standard Colors, Add	*658.35*	
		For Anodized Finish, Add	*877.80*	
		For Kynar® Standard Colors Finish, Add	*1,206.98*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,922.05	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*262.27*	
		For Clear Lacquer Finish, Add	*524.53*	
		For Baked Enamel Standard Colors, Add	*786.80*	
		For Anodized Finish, Add	*1,049.06*	
		For Kynar® Standard Colors Finish, Add	*1,442.46*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,218.82	155.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*290.72*	
		For Clear Lacquer Finish, Add	*581.44*	
		For Baked Enamel Standard Colors, Add	*872.16*	
		For Anodized Finish, Add	*1,162.88*	
		For Kynar® Standard Colors Finish, Add	*1,598.97*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,514.98	164.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*318.50*	
		For Clear Lacquer Finish, Add	*637.01*	
		For Baked Enamel Standard Colors, Add	*955.51*	
		For Anodized Finish, Add	*1,274.02*	
		For Kynar® Standard Colors Finish, Add	*1,751.77*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,849.33	171.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*350.72*	
		For Clear Lacquer Finish, Add	*701.43*	
		For Baked Enamel Standard Colors, Add	*1,052.15*	
		For Anodized Finish, Add	*1,402.87*	
		For Kynar® Standard Colors Finish, Add	*1,928.94*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,138.78	180.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*377.83*	
		For Clear Lacquer Finish, Add	*755.66*	
		For Baked Enamel Standard Colors, Add	*1,133.49*	
		For Anodized Finish, Add	*1,511.32*	
		For Kynar® Standard Colors Finish, Add	*2,078.06*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,598.83	195.52
		Note: Includes bird screen.		
		For Flange Frame, Add	*420.78*	
		For Clear Lacquer Finish, Add	*841.56*	
		For Baked Enamel Standard Colors, Add	*1,262.34*	
		For Anodized Finish, Add	*1,683.12*	
		For Kynar® Standard Colors Finish, Add	*2,314.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,885.60	204.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*447.62*	
		For Clear Lacquer Finish, Add	*895.25*	
		For Baked Enamel Standard Colors, Add	*1,342.87*	
		For Anodized Finish, Add	*1,790.50*	
		For Kynar® Standard Colors Finish, Add	*2,461.93*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,185.79	213.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*475.81*	
		For Clear Lacquer Finish, Add	*951.62*	
		For Baked Enamel Standard Colors, Add	*1,427.43*	
		For Anodized Finish, Add	*1,903.24*	
		For Kynar® Standard Colors Finish, Add	*2,616.96*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,462.42	219.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*502.25*	
		For Clear Lacquer Finish, Add	*1,004.50*	
		For Baked Enamel Standard Colors, Add	*1,506.75*	
		For Anodized Finish, Add	*2,009.00*	
		For Kynar® Standard Colors Finish, Add	*2,762.38*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,739.06	226.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*528.69*	
		For Clear Lacquer Finish, Add	*1,057.39*	
		For Baked Enamel Standard Colors, Add	*1,586.08*	
		For Anodized Finish, Add	*2,114.77*	
		For Kynar® Standard Colors Finish, Add	*2,907.81*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,178.10	232.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*571.38*	
		For Clear Lacquer Finish, Add	*1,142.75*	
		For Baked Enamel Standard Colors, Add	*1,714.13*	
		For Anodized Finish, Add	*2,285.50*	
		For Kynar® Standard Colors Finish, Add	*3,142.56*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,578.13	103.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.04*	
		For Clear Lacquer Finish, Add	*274.08*	
		For Baked Enamel Standard Colors, Add	*411.12*	
		For Anodized Finish, Add	*548.16*	
		For Kynar® Standard Colors Finish, Add	*753.71*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,936.90	122.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*169.25*	
		For Clear Lacquer Finish, Add	*338.50*	
		For Baked Enamel Standard Colors, Add	*507.75*	
		For Anodized Finish, Add	*677.00*	
		For Kynar® Standard Colors Finish, Add	*930.88*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,264.82	140.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*198.38*	
		For Clear Lacquer Finish, Add	*396.75*	
		For Baked Enamel Standard Colors, Add	*595.13*	
		For Anodized Finish, Add	*793.51*	
		For Kynar® Standard Colors Finish, Add	*1,091.07*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,612.00	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*231.26*	
		For Clear Lacquer Finish, Add	*462.52*	
		For Baked Enamel Standard Colors, Add	*693.78*	
		For Anodized Finish, Add	*925.04*	
		For Kynar® Standard Colors Finish, Add	*1,271.94*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,080.57	155.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*276.90*	
		For Clear Lacquer Finish, Add	*553.79*	
		For Baked Enamel Standard Colors, Add	*830.69*	
		For Anodized Finish, Add	*1,107.58*	
		For Kynar® Standard Colors Finish, Add	*1,522.93*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,394.78	161.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*307.10*	
		For Clear Lacquer Finish, Add	*614.19*	
		For Baked Enamel Standard Colors, Add	*921.29*	
		For Anodized Finish, Add	*1,228.38*	
		For Kynar® Standard Colors Finish, Add	*1,689.02*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,697.66	171.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*335.55*	
		For Clear Lacquer Finish, Add	*671.10*	
		For Baked Enamel Standard Colors, Add	*1,006.65*	
		For Anodized Finish, Add	*1,342.20*	
		For Kynar® Standard Colors Finish, Add	*1,845.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,058.85	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*370.45*	
		For Clear Lacquer Finish, Add	*740.89*	
		For Baked Enamel Standard Colors, Add	*1,111.34*	
		For Anodized Finish, Add	*1,481.79*	
		For Kynar® Standard Colors Finish, Add	*2,037.46*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,363.07	186.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*399.04*	
		For Clear Lacquer Finish, Add	*798.07*	
		For Baked Enamel Standard Colors, Add	*1,197.11*	
		For Anodized Finish, Add	*1,596.14*	
		For Kynar® Standard Colors Finish, Add	*2,194.70*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,851.30	201.63
		Note: Includes bird screen.		
		For Flange Frame, Add	*444.81*	
		For Clear Lacquer Finish, Add	*889.61*	
		For Baked Enamel Standard Colors, Add	*1,334.42*	
		For Anodized Finish, Add	*1,779.22*	
		For Kynar® Standard Colors Finish, Add	*2,446.43*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	5,148.81	210.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*472.72*	
		For Clear Lacquer Finish, Add	*945.45*	
		For Baked Enamel Standard Colors, Add	*1,418.17*	
		For Anodized Finish, Add	*1,890.89*	
		For Kynar® Standard Colors Finish, Add	*2,599.98*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,475.84	219.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*503.59*	
		For Clear Lacquer Finish, Add	*1,007.19*	
		For Baked Enamel Standard Colors, Add	*1,510.78*	
		For Anodized Finish, Add	*2,014.37*	
		For Kynar® Standard Colors Finish, Add	*2,769.76*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,827.64	226.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*537.55*	
		For Clear Lacquer Finish, Add	*1,075.10*	
		For Baked Enamel Standard Colors, Add	*1,612.65*	
		For Anodized Finish, Add	*2,150.20*	
		For Kynar® Standard Colors Finish, Add	*2,956.53*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,144.54	232.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*568.02*	
		For Clear Lacquer Finish, Add	*1,136.04*	
		For Baked Enamel Standard Colors, Add	*1,704.06*	
		For Anodized Finish, Add	*2,272.08*	
		For Kynar® Standard Colors Finish, Add	*3,124.10*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,617.13	238.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*614.06*	
		For Clear Lacquer Finish, Add	*1,228.11*	
		For Baked Enamel Standard Colors, Add	*1,842.17*	
		For Anodized Finish, Add	*2,456.22*	
		For Kynar® Standard Colors Finish, Add	*3,377.31*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,672.96	113.03
		Note: Includes bird screen.		
		For Flange Frame, Add	*144.69*	
		For Clear Lacquer Finish, Add	*289.38*	
		For Baked Enamel Standard Colors, Add	*434.07*	
		For Anodized Finish, Add	*578.76*	
		For Kynar® Standard Colors Finish, Add	*795.79*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	2,037.11	131.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.44*	
		For Clear Lacquer Finish, Add	*354.88*	
		For Baked Enamel Standard Colors, Add	*532.32*	
		For Anodized Finish, Add	*709.76*	
		For Kynar® Standard Colors Finish, Add	*975.91*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,378.46	149.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*207.91*	
		For Clear Lacquer Finish, Add	*415.81*	
		For Baked Enamel Standard Colors, Add	*623.72*	
		For Anodized Finish, Add	*831.63*	
		For Kynar® Standard Colors Finish, Add	*1,143.49*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,736.36	158.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.86*	
		For Clear Lacquer Finish, Add	*483.73*	
		For Baked Enamel Standard Colors, Add	*725.59*	
		For Anodized Finish, Add	*967.46*	
		For Kynar® Standard Colors Finish, Add	*1,330.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,237.15	164.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*290.72*	
		For Clear Lacquer Finish, Add	*581.44*	
		For Baked Enamel Standard Colors, Add	*872.16*	
		For Anodized Finish, Add	*1,162.88*	
		For Kynar® Standard Colors Finish, Add	*1,598.97*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,562.10	171.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*321.99*	
		For Clear Lacquer Finish, Add	*643.99*	
		For Baked Enamel Standard Colors, Add	*965.98*	
		For Anodized Finish, Add	*1,287.98*	
		For Kynar® Standard Colors Finish, Add	*1,770.97*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,872.29	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*351.79*	
		For Clear Lacquer Finish, Add	*703.58*	
		For Baked Enamel Standard Colors, Add	*1,055.37*	
		For Anodized Finish, Add	*1,407.16*	
		For Kynar® Standard Colors Finish, Add	*1,934.85*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,253.61	183.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*388.70*	
		For Clear Lacquer Finish, Add	*777.40*	
		For Baked Enamel Standard Colors, Add	*1,166.10*	
		For Anodized Finish, Add	*1,554.80*	
		For Kynar® Standard Colors Finish, Add	*2,137.86*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,573.94	192.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*418.90*	
		For Clear Lacquer Finish, Add	*837.80*	
		For Baked Enamel Standard Colors, Add	*1,256.70*	
		For Anodized Finish, Add	*1,675.60*	
		For Kynar® Standard Colors Finish, Add	*2,303.96*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	5,090.35	207.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*467.49*	
		For Clear Lacquer Finish, Add	*934.98*	
		For Baked Enamel Standard Colors, Add	*1,402.46*	
		For Anodized Finish, Add	*1,869.95*	
		For Kynar® Standard Colors Finish, Add	*2,571.18*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	5,401.28	216.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*496.75*	
		For Clear Lacquer Finish, Add	*993.50*	
		For Baked Enamel Standard Colors, Add	*1,490.24*	
		For Anodized Finish, Add	*1,986.99*	
		For Kynar® Standard Colors Finish, Add	*2,732.11*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,757.85	226.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*530.57*	
		For Clear Lacquer Finish, Add	*1,061.14*	
		For Baked Enamel Standard Colors, Add	*1,591.72*	
		For Anodized Finish, Add	*2,122.29*	
		For Kynar® Standard Colors Finish, Add	*2,918.15*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	6,131.12	232.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*566.68*	
		For Clear Lacquer Finish, Add	*1,133.35*	
		For Baked Enamel Standard Colors, Add	*1,700.03*	
		For Anodized Finish, Add	*2,266.71*	
		For Kynar® Standard Colors Finish, Add	*3,116.72*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,446.08	241.34
		Note: Includes bird screen.		
		For Flange Frame, Add	*596.34*	
		For Clear Lacquer Finish, Add	*1,192.68*	
		For Baked Enamel Standard Colors, Add	*1,789.02*	
		For Anodized Finish, Add	*2,385.36*	
		For Kynar® Standard Colors Finish, Add	*3,279.86*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,946.87	247.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*645.20*	
		For Clear Lacquer Finish, Add	*1,290.39*	
		For Baked Enamel Standard Colors, Add	*1,935.59*	
		For Anodized Finish, Add	*2,580.78*	
		For Kynar® Standard Colors Finish, Add	*3,548.58*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,754.37	122.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*151.00*	
		For Clear Lacquer Finish, Add	*302.00*	
		For Baked Enamel Standard Colors, Add	*452.99*	
		For Anodized Finish, Add	*603.99*	
		For Kynar® Standard Colors Finish, Add	*830.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,131.94	140.53
		For Flange Frame, Add	*185.09*	
		For Clear Lacquer Finish, Add	*370.18*	
		For Baked Enamel Standard Colors, Add	*555.27*	
		For Anodized Finish, Add	*740.36*	
		For Kynar® Standard Colors Finish, Add	*1,017.99*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,490.74	158.86
		For Flange Frame, Add	*217.30*	
		For Clear Lacquer Finish, Add	*434.60*	
		For Baked Enamel Standard Colors, Add	*651.91*	
		For Anodized Finish, Add	*869.21*	
		For Kynar® Standard Colors Finish, Add	*1,195.16*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,868.78	168.02
		For Flange Frame, Add	*253.27*	
		For Clear Lacquer Finish, Add	*506.55*	
		For Baked Enamel Standard Colors, Add	*759.82*	
		For Anodized Finish, Add	*1,013.09*	
		For Kynar® Standard Colors Finish, Add	*1,393.00*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,385.67	174.13
		For Flange Frame, Add	*303.74*	
		For Clear Lacquer Finish, Add	*607.48*	
		For Baked Enamel Standard Colors, Add	*911.22*	
		For Anodized Finish, Add	*1,214.96*	
		For Kynar® Standard Colors Finish, Add	*1,670.57*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,765.65	180.24
		For Flange Frame, Add	*340.52*	
		For Clear Lacquer Finish, Add	*681.03*	
		For Baked Enamel Standard Colors, Add	*1,021.55*	
		For Anodized Finish, Add	*1,362.06*	
		For Kynar® Standard Colors Finish, Add	*1,872.84*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,095.97	186.35
		For Flange Frame, Add	*372.33*	
		For Clear Lacquer Finish, Add	*744.65*	
		For Baked Enamel Standard Colors, Add	*1,116.98*	
		For Anodized Finish, Add	*1,489.30*	
		For Kynar® Standard Colors Finish, Add	*2,047.79*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,458.51	192.47
		For Flange Frame, Add	*407.36*	
		For Clear Lacquer Finish, Add	*814.72*	
		For Baked Enamel Standard Colors, Add	*1,222.07*	
		For Anodized Finish, Add	*1,629.43*	
		For Kynar® Standard Colors Finish, Add	*2,240.47*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,794.19	198.58
		For Flange Frame, Add	*439.71*	
		For Clear Lacquer Finish, Add	*879.41*	
		For Baked Enamel Standard Colors, Add	*1,319.12*	
		For Anodized Finish, Add	*1,758.82*	
		For Kynar® Standard Colors Finish, Add	*2,418.38*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,349.54	213.85
		For Flange Frame, Add	*492.19*	
		For Clear Lacquer Finish, Add	*984.37*	
		For Baked Enamel Standard Colors, Add	*1,476.56*	
		For Anodized Finish, Add	*1,968.74*	
		For Kynar® Standard Colors Finish, Add	*2,707.02*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,227.00	223.02
		For Flange Frame, Add	*378.10*	
		For Clear Lacquer Finish, Add	*756.20*	
		For Baked Enamel Standard Colors, Add	*1,134.29*	
		For Anodized Finish, Add	*1,512.39*	
		For Kynar® Standard Colors Finish, Add	*2,079.54*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	6,035.82	232.18
		For Flange Frame, Add	*557.15*	
		For Clear Lacquer Finish, Add	*1,114.29*	
		For Baked Enamel Standard Colors, Add	*1,671.44*	
		For Anodized Finish, Add	*2,228.59*	
		For Kynar® Standard Colors Finish, Add	*3,064.31*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	6,422.52	238.28
		For Flange Frame, Add	*594.60*	
		For Clear Lacquer Finish, Add	*1,189.19*	
		For Baked Enamel Standard Colors, Add	*1,783.79*	
		For Anodized Finish, Add	*2,378.38*	
		For Kynar® Standard Colors Finish, Add	*3,270.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,753.59	247.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*625.87*	
		For Clear Lacquer Finish, Add	*1,251.74*	
		For Baked Enamel Standard Colors, Add	*1,877.60*	
		For Anodized Finish, Add	*2,503.47*	
		For Kynar® Standard Colors Finish, Add	*3,442.27*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	7,291.35	256.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*677.81*	
		For Clear Lacquer Finish, Add	*1,355.62*	
		For Baked Enamel Standard Colors, Add	*2,033.43*	
		For Anodized Finish, Add	*2,711.24*	
		For Kynar® Standard Colors Finish, Add	*3,727.96*	
08 91 19 00-0227		Gable Louver Vents *(08 91 19)*		
		Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228		Aluminum Gable Louver Vents *(08 91 19 00-0227)*		
		Note: Includes screen.		
08 91 19 00-0229		Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	267.93	10.32
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	292.80	11.84
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	337.97	13.37
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	370.90	14.21
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	424.12	15.05
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	473.73	18.06
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	548.14	22.57
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	610.16	26.34
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	696.97	31.60
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	870.58	42.13
08 91 19 00-0240		Square Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	245.21	9.50
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	303.52	12.04
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	381.03	14.20
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	486.14	18.81
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	622.55	27.09
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	783.70	36.85
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	969.80	48.15
08 91 19 00-0248		Round Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	245.21	9.50
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	303.52	12.04
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	381.03	14.20
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	486.14	18.81
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	622.55	27.09
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	783.78	36.87
08 91 19 00-0255		Octagonal Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	245.21	9.50
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	267.93	10.32
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	292.80	11.84
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	303.52	12.04
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	337.97	13.37
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	370.90	14.21
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	381.03	14.20
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	424.12	15.05
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	473.73	18.06
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	486.14	18.81
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	548.14	22.57
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	610.16	26.34
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	622.55	27.09
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	696.97	31.60
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	771.37	36.12
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	783.78	36.87
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	870.58	42.13
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	969.80	48.15
08 91 19 00-0274		Round Top Aluminum Gable Louver Vents *(08 91 19 00-0228)*		
		Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	245.21	9.50
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	267.93	10.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	292.80	11.84
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	303.52	12.04
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	337.97	13.37
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	370.90	14.21
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	381.03	14.20
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	424.12	15.05
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	473.73	18.06
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	486.14	18.81
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	548.14	22.57
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	610.16	26.34
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	622.55	27.09
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	696.97	31.60
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	771.37	36.12
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	783.78	36.87
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	870.58	42.13
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	969.80	48.15

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	515.94	11.84
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	583.88	14.20
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	626.97	15.05
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	717.15	18.06
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	800.55	18.81
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	649.56	22.57
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	762.30	26.34
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	865.97	27.09
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	980.96	31.60
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	771.37	36.12
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	895.34	36.87
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	1,032.86	42.13
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	1,172.65	48.15
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	1,315.92	55.34

08 91 19 00-0308 Vinyl Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	75.37	9.50
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	91.89	10.32
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	125.86	13.37
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	174.69	15.05
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	122.50	12.04
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	141.35	14.20
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	200.18	18.81
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	292.83	27.09
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	122.50	12.04
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	138.85	13.37
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	180.68	15.05
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	255.74	22.57
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	620.08	36.12
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	120.03	11.84
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	168.29	15.05
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	172.65	18.06
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	409.36	22.57
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	409.36	22.57
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	409.36	22.57
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	409.36	22.57
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	409.36	22.57
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	450.03	36.12
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	450.03	36.12
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	450.03	36.12
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	450.03	36.12

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	8.11	2.81
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	14.33	5.50
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	24.12	7.33
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	25.11	7.33

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	7.38	3.11
		For Colors, Add	*0.12*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	7.57	3.11
		For Colors, Add	*0.14*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 95 16		**Wall Vents** *(08 95)*		
08 95 16 00-0001		Foundation Vents *(08 95 16)*		
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.49	0.19
08 95 16 00-0003	SI	Aluminum Foundation Vent	0.99	0.19
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.09	0.19
08 95 16 00-0005	SI	Plastic Foundation Vent	0.68	0.19

END OF SECTION 08

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	21.17
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.12
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.37
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	13.56
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	12.15

09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and inistalled.

09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	1.84
		For ASTM C840 Level 1 Finish, Deduct	*-0.89*
		For ASTM C840 Level 2 Finish, Deduct	*-0.45*
		For ASTM C840 Level 3 Finish, Deduct	*-0.18*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.37*

09 01 20 91-0009 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	20.55
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	16.50
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	13.46
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	10.41
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	8.38
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	6.36

09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	19.69
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	17.44
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	16.06
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	14.94
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	13.95
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	12.84

09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	37.07
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	26.93
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	19.83
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	15.78

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	7.49
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	9.34
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	48.45

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	313.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	4.84	
09 01 60 91-0004	SF	Repair Existing Terrazzo	20.78	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	4.90	
09 01 60 91-0006		Standard Flooring Maintenance *(09 01 60 91)*		
09 01 60 91-0007	CSF	Steam Clean Carpet	49.59	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	54.53	
		For Additional Coat, Add	*45.60*	
		For Stripping Existing Wax From Floor, Add	*51.87*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	33.10	
		For Additional Coat, Add	*29.13*	
		For Stripping Existing Wax From Floor, Add	*51.87*	
09 01 60 91-0010	MSF	Vacuum Floors	27.62	
09 01 60 91-0011		Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*		
09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/8" of material per pass	9.77	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/4" of material per pass	18.32	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	8.41	
09 01 60 91-0015		Floor Sealants *(09 01 60 91)*		
09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.28	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	1.46	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.41	
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	50.82	
09 01 80		**Maintenance of Acoustic Treatment** *(09 01)*		
09 01 80 00-0001		Removal Of Acoustical Ceiling Treatment *(09 01 80)*		
09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	2.41	
09 01 90		**Maintenance of Painting and Coating** *(09 01)*		
09 01 90 52		**Maintenance Repainting** *(09 01 90)*		
09 01 90 52-0001		Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)* Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.		
09 01 90 52-0002		Concrete And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*		
09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.74	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation	0.90	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.59	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.62	
		For Up To 100, Add	*2.94*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	2.68	
		For Up To 100, Add	*5.06*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.64*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.40*	
		For >30,000, Deduct	*-0.53*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 lbs of sand or glass abrasive media material per SF	3.89	
		For 4.5 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.26*	
		For 6 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*4.67*	
		For 9 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*7.78*	
		For Up To 100, Add	*6.64*	
		For >100 To 250, Add	*1.76*	
		For >250 To 500, Add	*0.86*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 30,000, Deduct	*-0.56*	
		For >30,000, Deduct	*-0.74*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.35	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.15*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*2.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.26*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.43	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.74	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.38	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.14*	
		For >15,000 To 30,000, Deduct	*-0.21*	
		For >30,000, Deduct	*-0.28*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.20	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.23*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.63	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.40	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 30,000, Deduct	*-0.35*	
		For >30,000, Deduct	*-0.46*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	4.01	
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.50*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.58*	
		For >30,000, Deduct	*-0.77*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.05	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.44*	
		For >30,000, Deduct	*-0.58*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.78	
		For Up To 100, Add	*2.30*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.35*	
		For >15,000 To 30,000, Deduct	*-0.55*	
		For >30,000, Deduct	*-0.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.91	
		For Up To 100, Add	*2.99*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.60*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.45*	
		For >15,000 To 30,000, Deduct	*-0.71*	
		For >30,000, Deduct	*-0.94*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.12	
		For Up To 100, Add	*3.72*	
		For >100 To 250, Add	*1.74*	
		For >250 To 500, Add	*0.74*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 15,000, Deduct	*-0.57*	
		For >15,000 To 30,000, Deduct	*-0.88*	
		For >30,000, Deduct	*-1.17*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	38.76	
		For Up To 100, Add	*28.80*	
		For >100 To 250, Add	*13.44*	
		For >250 To 500, Add	*5.76*	
		For >5,000 To 10,000, Deduct	*-1.93*	
		For >10,000 To 15,000, Deduct	*-3.86*	
		For >15,000 To 30,000, Deduct	*-5.80*	
		For >30,000, Deduct	*-7.73*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.45	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.14*	
		For >15,000 To 30,000, Deduct	*-0.21*	
		For >30,000, Deduct	*-0.29*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.41	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.93	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.88	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0041	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.82	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	1.11	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.75	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.86	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.17*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0048	SF	Hand Wash,Vinyl Siding Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.50	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.93	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.18*	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*

Note: Based on total project quantity.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.65	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

09 01 90 52-0054 Prep Work *(09 01 90 52-0001)*

09 01 90 52-0055	SF	Citrus Strip, Single Applications Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations	1.11	

09 01 90 52-0056 Corrosive Inhibitor Sealant For Concrete *(09 01 90 52-0001)*

09 01 90 52-0057	SF	Corrosive Inhibitor Sealant For Concrete	0.77	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	

09 01 90 61 Repainting *(09 01 90)*

09 01 90 61-0001 Touchup and "Spot" Painting Of Surfaces *(09 01 90 61)*
Note: For use on individual areas less than 10 SF.

09 01 90 61-0002	SF	"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	1.49	

09 01 90 91 Paint Restoration *(09 01 90)*

09 01 90 91-0001 Paint Removal, Strip To Bare Wood *(09 01 90 91)*

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	7.05	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	7.51	

09 05 Common Work Results for Finishes *(09)*

09 05 05 Selective Demolition for Finishes *(09 05)*

09 05 05 00-0001 Selective Demolition for Finishes *(09 05 05)*

09 05 05 00-0002	SF	Demolition Of 5/8" Lath And Plaster Assembly, Applied Directly To Concrete Surface	6.71	

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001 Moisture Vapor Reduction System (Koester VAP) *(09 05 61 13)*

09 05 61 13-0002	EA	Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000) Note: Clear	2,984.78	
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) Note: Clear	15.80	
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) Note: Clear	10.54	
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) Note: Clear	8.78	
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) Note: Clear	7.02	

09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*

09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.77	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	6.60	

09 05 71 Acoustic Underlayment *(09 05)*

09 05 71 00-0001 Tile And Stone Acoustical Underlayment *(09 05 71)*

09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.43	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.52*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 05 71 00-0003		Resilient Floor Acoustical Underlayment *(09 05 71)*			
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)		2.94	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)		1.44	
09 05 71 00-0006	SF	0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)		1.37	

09 20 Plaster and Gypsum Board *(09)*

09 22 Supports for Plaster and Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

09 22 13 13-0001 Hat Furring Channel *(09 22 13 13)*
Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel		4.09	1.63
		For Walls >10' High, Add	*0.49*		
		For 24" On Center, Deduct	*-0.49*		
		For 12" On Center, Add	*0.65*		
		For 22 Gauge, Add	*0.41*		
		For 20 Gauge, Add	*1.03*		
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel		4.42	1.63
		For Walls >10' High, Add	*0.49*		
		For 24" On Center, Deduct	*-0.56*		
		For 12" On Center, Add	*0.72*		
		For 22 Gauge, Add	*0.58*		
		For 20 Gauge, Add	*1.25*		

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel		5.85	2.51
		For Columns And Beams >10' High, Add	*1.00*		
		For 24" On Center, Deduct	*-0.67*		
		For 12" On Center, Add	*0.92*		
		For 22 Gauge, Add	*0.42*		
		For 20 Gauge, Add	*1.30*		
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel		6.17	2.51
		For Columns And Beams >10' High, Add	*1.00*		
		For 24" On Center, Deduct	*-0.73*		
		For 12" On Center, Add	*0.98*		
		For 22 Gauge, Add	*0.58*		
		For 20 Gauge, Add	*1.51*		

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel		5.37	2.01
		For Ceilings >10' High, Add	*0.60*		
		For 24" On Center, Deduct	*-0.67*		
		For 12" On Center, Add	*0.87*		
		For 22 Gauge, Add	*0.68*		
		For 20 Gauge, Add	*1.50*		
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel		5.70	2.01
		For Ceilings >10' High, Add	*0.60*		
		For 24" On Center, Deduct	*-0.74*		
		For 12" On Center, Add	*0.94*		
		For 22 Gauge, Add	*0.85*		
		For 20 Gauge, Add	*1.72*		

09 22 13 13-0011 Z Furring Channel *(09 22 13 13)*

09 22 13 13-0012 Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel		3.59	1.63
		For Walls >10' High, Add	*0.49*		
		For 24" On Center, Deduct	*-0.39*		
		For 12" On Center, Add	*0.55*		
		For 22 Gauge, Add	*0.16*		
		For 20 Gauge, Add	*0.70*		
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel		3.65	1.63
		For Walls >10' High, Add	*0.49*		
		For 24" On Center, Deduct	*-0.40*		
		For 12" On Center, Add	*0.57*		
		For 22 Gauge, Add	*0.19*		
		For 20 Gauge, Add	*0.74*		
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel		3.70	1.63
		For Walls >10' High, Add	*0.49*		
		For 24" On Center, Deduct	*-0.41*		
		For 12" On Center, Add	*0.58*		
		For 22 Gauge, Add	*0.22*		
		For 20 Gauge, Add	*0.77*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.75	1.63
		For Walls >10' High, Add	*0.49*	
		For 24" On Center, Deduct	*-0.42*	
		For 12" On Center, Add	*0.59*	
		For 22 Gauge, Add	*0.24*	
		For 20 Gauge, Add	*0.81*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.79	1.63
		For Walls >10' High, Add	*0.49*	
		For 24" On Center, Deduct	*-0.43*	
		For 12" On Center, Add	*0.59*	
		For 22 Gauge, Add	*0.26*	
		For 20 Gauge, Add	*0.83*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	3.94	1.63
		For Walls >10' High, Add	*0.49*	
		For 24" On Center, Deduct	*-0.46*	
		For 12" On Center, Add	*0.62*	
		For 20 Gauge, Add	*0.93*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	4.68	2.01
		For Ceilings >10' High, Add	*0.60*	
		For 24" On Center, Deduct	*-0.54*	
		For 12" On Center, Add	*0.74*	
		For 20 Gauge, Add	*1.04*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	4.19	1.63
		For Walls >10' High, Add	*0.49*	
		For 24" On Center, Deduct	*-0.51*	
		For 12" On Center, Add	*0.67*	
		For 20 Gauge, Add	*1.10*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	4.93	2.01
		For Ceilings >10' High, Add	*0.60*	
		For 24" On Center, Deduct	*-0.59*	
		For 12" On Center, Add	*0.79*	
		For 20 Gauge, Add	*1.21*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 Non Load Bearing Wall Framing, 25 Gauge *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.63	0.68
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.53*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.62*	
		For Soffit, Columns Or Beams >10' High, Add	*2.13*	
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Curved Wall, Add	*0.51*	
		For 12" On Center, Add	*0.44*	
		For 24" On Center, Deduct	*-0.44*	
		For Up To 100, Add	*0.87*	
		For >100 To 300, Add	*0.43*	
		For >1,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.81	0.71
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.56*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.71*	
		For Soffit, Columns Or Beams >10' High, Add	*2.24*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.53*	
		For 12" On Center, Add	*0.47*	
		For 24" On Center, Deduct	*-0.47*	
		For Up To 100, Add	*0.92*	
		For >100 To 300, Add	*0.46*	
		For >1,000, Deduct	*-0.24*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.05	0.74
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.61*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.80*	
		For Soffit, Columns Or Beams >10' High, Add	*2.36*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*0.77*	
		For Curved Wall, Add	*0.56*	
		For 12" On Center, Add	*0.52*	
		For 24" On Center, Deduct	*-0.52*	
		For Up To 100, Add	*0.98*	
		For >100 To 300, Add	*0.49*	
		For >1,000, Deduct	*-0.27*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.26	0.78
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.65*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.89*	
		For Soffit, Columns Or Beams >10' High, Add	*2.48*	
		For Horizontal Installation Up To 10' High, Add	*0.62*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Curved Wall, Add	*0.59*	
		For 12" On Center, Add	*0.55*	
		For 24" On Center, Deduct	*-0.55*	
		For Up To 100, Add	*1.04*	
		For >100 To 300, Add	*0.52*	
		For >1,000, Deduct	*-0.29*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.65	0.82
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.73*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.01*	
		For Soffit, Columns Or Beams >10' High, Add	*2.63*	
		For Horizontal Installation Up To 10' High, Add	*0.67*	
		For Horizontal Installation >10' High, Add	*0.88*	
		For Curved Wall, Add	*0.62*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
		For Up To 100, Add	*1.14*	
		For >100 To 300, Add	*0.57*	
		For >1,000, Deduct	*-0.34*	

09 22 16 13-0007 Non Load Bearing Wall Framing, 20 Gauge *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.97	0.69
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.59*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.69*	
		For Soffit, Columns Or Beams >10' High, Add	*2.21*	
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.52*	
		For 12" On Center, Add	*0.51*	
		For 24" On Center, Deduct	*-0.51*	
		For Up To 100, Add	*0.94*	
		For >100 To 300, Add	*0.47*	
		For >1,000, Deduct	*-0.27*	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.27	0.73
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.65*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.79*	
		For Soffit, Columns Or Beams >10' High, Add	*2.34*	
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Curved Wall, Add	*0.55*	
		For 12" On Center, Add	*0.56*	
		For 24" On Center, Deduct	*-0.56*	
		For Up To 100, Add	*1.02*	
		For >100 To 300, Add	*0.51*	
		For >1,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.61	0.76
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.72*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.90*	
		For Soffit, Columns Or Beams >10' High, Add	*2.47*	
		For Horizontal Installation Up To 10' High, Add	*0.65*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Curved Wall, Add	*0.58*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
		For Up To 100, Add	*1.11*	
		For >100 To 300, Add	*0.55*	
		For >1,000, Deduct	*-0.35*	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners	3.85	0.80
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.77*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.99*	
		For Soffit, Columns Or Beams >10' High, Add	*2.60*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Curved Wall, Add	*0.60*	
		For 12" On Center, Add	*0.67*	
		For 24" On Center, Deduct	*-0.67*	
		For Up To 100, Add	*1.17*	
		For >100 To 300, Add	*0.59*	
		For >1,000, Deduct	*-0.38*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.38	0.84
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.08*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.23*	
		For Soffit, Columns Or Beams >10' High, Add	*2.86*	
		For Horizontal Installation Up To 10' High, Add	*0.85*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Curved Wall, Add	*0.63*	
		For 12" On Center, Add	*0.97*	
		For 24" On Center, Deduct	*-0.97*	
		For Up To 100, Add	*1.50*	
		For >100 To 300, Add	*0.75*	
		For >1,000, Deduct	*-0.60*	
09 22 16 13-0013		Non Load Bearing Wall Framing, 18 Gauge *(09 22 16 13)*		
09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.54	0.74
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.91*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.95*	
		For Soffit, Columns Or Beams >10' High, Add	*2.51*	
		For Horizontal Installation Up To 10' High, Add	*0.73*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Curved Wall, Add	*0.56*	
		For 12" On Center, Add	*0.81*	
		For 24" On Center, Deduct	*-0.81*	
		For Up To 100, Add	*1.28*	
		For >100 To 300, Add	*0.64*	
		For >1,000, Deduct	*-0.49*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.02	0.78
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.00*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.08*	
		For Soffit, Columns Or Beams >10' High, Add	*2.67*	
		For Horizontal Installation Up To 10' High, Add	*0.80*	
		For Horizontal Installation >10' High, Add	*0.99*	
		For Curved Wall, Add	*0.59*	
		For 12" On Center, Add	*0.91*	
		For 24" On Center, Deduct	*-0.91*	
		For Up To 100, Add	*1.40*	
		For >100 To 300, Add	*0.70*	
		For >1,000, Deduct	*-0.56*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.39	0.82
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.08*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.19*	
		For Soffit, Columns Or Beams >10' High, Add	*2.81*	
		For Horizontal Installation Up To 10' High, Add	*0.85*	
		For Horizontal Installation >10' High, Add	*1.05*	
		For Curved Wall, Add	*0.62*	
		For 12" On Center, Add	*0.98*	
		For 24" On Center, Deduct	*-0.98*	
		For Up To 100, Add	*1.49*	
		For >100 To 300, Add	*0.75*	
		For >1,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.06	0.86
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.41*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.44*	
		For Soffit, Columns Or Beams >10' High, Add	*3.09*	
		For Horizontal Installation Up To 10' High, Add	*1.03*	
		For Horizontal Installation >10' High, Add	*1.25*	
		For Curved Wall, Add	*0.65*	
		For 12" On Center, Add	*1.30*	
		For 24" On Center, Deduct	*-1.30*	
		For Up To 100, Add	*1.85*	
		For >100 To 300, Add	*0.92*	
		For >1,000, Deduct	*-0.84*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.68	0.92
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.54*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.58*	
		For Soffit, Columns Or Beams >10' High, Add	*3.27*	
		For Horizontal Installation Up To 10' High, Add	*1.11*	
		For Horizontal Installation >10' High, Add	*1.34*	
		For Curved Wall, Add	*0.68*	
		For 12" On Center, Add	*1.42*	
		For 24" On Center, Deduct	*-1.42*	
		For Up To 100, Add	*1.99*	
		For >100 To 300, Add	*1.00*	
		For >1,000, Deduct	*-0.93*	

09 22 16 13-0019 Non Load Bearing Wall Framing, 16 Gauge *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.82	0.76
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.96*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.02*	
		For Soffit, Columns Or Beams >10' High, Add	*2.59*	
		For Horizontal Installation Up To 10' High, Add	*0.77*	
		For Horizontal Installation >10' High, Add	*0.96*	
		For Curved Wall, Add	*0.58*	
		For 12" On Center, Add	*0.87*	
		For 24" On Center, Deduct	*-0.87*	
		For Up To 100, Add	*1.35*	
		For >100 To 300, Add	*0.67*	
		For >1,000, Deduct	*-0.53*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.68	0.80
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.14*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.18*	
		For Soffit, Columns Or Beams >10' High, Add	*2.78*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Curved Wall, Add	*0.60*	
		For 12" On Center, Add	*1.04*	
		For 24" On Center, Deduct	*-1.04*	
		For Up To 100, Add	*1.54*	
		For >100 To 300, Add	*0.77*	
		For >1,000, Deduct	*-0.65*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.01	0.84
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.20*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.29*	
		For Soffit, Columns Or Beams >10' High, Add	*2.92*	
		For Horizontal Installation Up To 10' High, Add	*0.92*	
		For Horizontal Installation >10' High, Add	*1.13*	
		For Curved Wall, Add	*0.63*	
		For 12" On Center, Add	*1.10*	
		For 24" On Center, Deduct	*-1.10*	
		For Up To 100, Add	*1.62*	
		For >100 To 300, Add	*0.81*	
		For >1,000, Deduct	*-0.69*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.62	0.89
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.54*	
		For Soffit, Columns Or Beams >10' High, Add	*3.20*	
		For Horizontal Installation Up To 10' High, Add	*1.10*	
		For Horizontal Installation >10' High, Add	*1.32*	
		For Curved Wall, Add	*0.67*	
		For 12" On Center, Add	*1.41*	
		For 24" On Center, Deduct	*-1.41*	
		For Up To 100, Add	*1.97*	
		For >100 To 300, Add	*0.98*	
		For >1,000, Deduct	*-0.92*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0024		SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	8.40	0.94
			For Powder-Actuated Fasteners Every 2', Add	*0.07*	
			For Walls >10' High, Add	*1.68*	
			For Soffit, Columns Or Beams Up To 10' High, Add	*2.70*	
			For Soffit, Columns Or Beams >10' High, Add	*3.40*	
			For Horizontal Installation Up To 10' High, Add	*1.19*	
			For Horizontal Installation >10' High, Add	*1.42*	
			For Curved Wall, Add	*0.70*	
			For 12" On Center, Add	*1.56*	
			For 24" On Center, Deduct	*-1.56*	
			For Up To 100, Add	*2.15*	
			For >100 To 300, Add	*1.07*	
			For >1,000, Deduct	*-1.03*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026		LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.44	
09 22 16 13-0027		LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	1.77	
09 22 16 13-0028		LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	2.30	
09 22 16 13-0029		LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	2.84	
09 22 16 13-0030		LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	3.36	
09 22 16 13-0031		LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	4.00	
09 22 16 13-0032		LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	1.89	
09 22 16 13-0033		LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	2.35	
09 22 16 13-0034		LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	3.16	
09 22 16 13-0035		LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	3.97	
09 22 16 13-0036		LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	4.80	
09 22 16 13-0037		LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	5.71	
09 22 16 13-0038		LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	2.59	
09 22 16 13-0039		LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	3.24	
09 22 16 13-0040		LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	4.44	
09 22 16 13-0041		LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	5.64	
09 22 16 13-0042		LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	6.93	
09 22 16 13-0043		LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	8.17	
09 22 16 13-0044		LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	3.08	
09 22 16 13-0045		LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	3.89	
09 22 16 13-0046		LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	5.41	
09 22 16 13-0047		LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	6.93	
09 22 16 13-0048		LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	8.54	
09 22 16 13-0049		LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	10.11	

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0002		SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.45	0.45
			For Walls >10' High, Add	*0.11*	
			For Up To 100, Add	*0.46*	
			For >100 To 500, Add	*0.23*	
			For >5,000, Deduct	*-0.09*	
09 22 36 13-0003		SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.05	0.52
			For Walls >10' High, Add	*0.13*	
			For Up To 100, Add	*0.53*	
			For >100 To 500, Add	*0.26*	
			For >5,000, Deduct	*-0.11*	
09 22 36 13-0004		SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.64	0.60
			For Walls >10' High, Add	*0.15*	
			For Up To 100, Add	*0.60*	
			For >100 To 500, Add	*0.30*	
			For >5,000, Deduct	*-0.12*	
09 22 36 13-0005		SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.81	0.63
			For Ceilings >10' High, Add	*0.19*	
			For Up To 100, Add	*0.64*	
			For >100 To 500, Add	*0.32*	
			For >5,000, Deduct	*-0.13*	
09 22 36 13-0006		SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.46	0.73
			For Ceilings >10' High, Add	*0.22*	
			For Up To 100, Add	*0.73*	
			For >100 To 500, Add	*0.37*	
			For >5,000, Deduct	*-0.15*	
09 22 36 13-0007		SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.11	0.84
			For Ceilings >10' High, Add	*0.25*	
			For Up To 100, Add	*0.84*	
			For >100 To 500, Add	*0.42*	
			For >5,000, Deduct	*-0.17*	
09 22 36 13-0008		SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.17	0.81
			For Columns And Beams >10' High, Add	*0.24*	
			For Up To 100, Add	*0.82*	
			For >100 To 500, Add	*0.41*	
			For >5,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.88	0.94
		For Columns And Beams >10' High, Add	*0.28*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	3.59	1.09
		For Columns And Beams >10' High, Add	*0.32*	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0011		Firestop Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.11	0.45
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.45	0.52
		For Walls >10' High, Add	*0.13*	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.47	0.63
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.86	0.73
		For Ceilings >10' High, Add	*0.22*	
		For Up To 100, Add	*0.73*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.83	0.81
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.28	0.94
		For Columns And Beams >10' High, Add	*0.28*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 13-0018		Foil Back Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.11	0.45
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.45	0.52
		For Walls >10' High, Add	*0.13*	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.47	0.63
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.86	0.73
		For Ceilings >10' High, Add	*0.22*	
		For Up To 100, Add	*0.73*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.83	0.81
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.28	0.94
		For Columns And Beams >10' High, Add	*0.28*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		Flat Diamond, Expanded Metal Lath *(09 22 36 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0002	SF	1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.33	0.62
		For Walls >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0003	SF	2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.46	0.62
		For Walls >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0004	SF	2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.59	0.62
		For Walls >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0005	SF	3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.01	0.67
		For Walls >10' High, Add	*0.19*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	
09 22 36 23-0006	SF	1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.52	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0007	SF	2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.65	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0008	SF	2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.78	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0009	SF	3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.11	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0010	SF	1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.28	1.01
		For Columns And Beams >10' High, Add	*0.33*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.56*	
		For >5,000, Deduct	*-0.22*	
09 22 36 23-0011	SF	2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.41	1.01
		For Columns And Beams >10' High, Add	*0.33*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.56*	
		For >5,000, Deduct	*-0.22*	
09 22 36 23-0012	SF	2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.54	1.01
		For Columns And Beams >10' High, Add	*0.33*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.56*	
		For >5,000, Deduct	*-0.22*	
09 22 36 23-0013	SF	3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.43	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	

09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.42	0.67
		For Walls >10' High, Add	*0.19*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0016	SF	2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.55	0.67
		For Walls >10' High, Add	*0.19*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	
09 22 36 23-0017	SF	2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.68	0.67
		For Walls >10' High, Add	*0.19*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	
09 22 36 23-0018	SF	3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	3.01	0.67
		For Walls >10' High, Add	*0.19*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	
09 22 36 23-0019	SF	1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.84	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0020	SF	2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.97	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0021	SF	2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.10	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0022	SF	3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.83	1.44
		For Columns And Beams >10' High, Add	*0.48*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.60*	
		For >100 To 500, Add	*0.80*	
		For >5,000, Deduct	*-0.32*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024	SF	2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.89	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0025	SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.07	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0026	SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.19	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 23-0027	SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.40	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.18	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.42	0.71
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.08	0.67
		For Walls >10' High, Add	*0.19*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.32	0.67
		For Walls >10' High, Add	*0.19*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.37*	
		For >5,000, Deduct	*-0.15*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	4.24	1.01
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	4.25	1.01
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	4.17	1.01
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	4.04	1.01
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	3.92	1.01

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	4.33	1.01
		For Vinyl Instead Of Galvanized, Add	*0.22*	
		For Zinc Instead Of Galvanized, Add	*1.46*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	4.33	1.01
		For Vinyl Instead Of Galvanized, Add	*0.22*	
		For Zinc Instead Of Galvanized, Add	*1.46*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	4.33	1.01
		For Vinyl Instead Of Galvanized, Add	*0.22*	
		For Zinc Instead Of Galvanized, Add	*1.46*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	4.92	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications	5.14	1.01

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.33	
		For Walls >10' High, Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.17*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Columns Or Beams Up To 10' High, Add	*0.35*	
		For Columns Or Beams >10' High, Add	*0.52*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.22*	
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.97	
		For Walls >10' High, Add	*0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.12*	
		For Horizontal Installation >10' High, Add	*0.24*	
		For Columns Or Beams Up To 10' High, Add	*0.25*	
		For Columns Or Beams >10' High, Add	*0.37*	
		For Up To 100, Add	*0.41*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.16*	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	6.57	3.75
		For Walls >10' High, Add	*0.62*	
		For Horizontal Installation Up To 10' High, Add	*0.93*	
		For Horizontal Installation >10' High, Add	*1.85*	
		For Columns Or Beams Up To 10' High, Add	*1.92*	
		For Columns Or Beams >10' High, Add	*2.84*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.55*	
		For >5,000, Deduct	*-1.24*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	6.62	3.55
		For Walls >10' High, Add	*0.58*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.74*	
		For Columns Or Beams Up To 10' High, Add	*1.80*	
		For Columns Or Beams >10' High, Add	*2.67*	
		For Up To 100, Add	*2.90*	
		For >100 To 500, Add	*1.45*	
		For >5,000, Deduct	*-1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	6.82	3.55
		For Walls >10' High, Add	*0.58*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.74*	
		For Columns Or Beams Up To 10' High, Add	*1.80*	
		For Columns Or Beams >10' High, Add	*2.67*	
		For Up To 100, Add	*2.90*	
		For >100 To 500, Add	*1.45*	
		For >5,000, Deduct	*-1.16*	
09 23 13 00-0021		Three Coats Gypsum Plaster On Walls *(09 23 13)*		
09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	7.94	4.57
		For Walls >10' High, Add	*0.74*	
		For Horizontal Installation Up To 10' High, Add	*1.11*	
		For Horizontal Installation >10' High, Add	*2.21*	
		For Columns Or Beams Up To 10' High, Add	*2.29*	
		For Columns Or Beams >10' High, Add	*3.39*	
		For Up To 100, Add	*3.69*	
		For >100 To 500, Add	*1.85*	
		For >5,000, Deduct	*-1.48*	
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	7.84	4.15
		For Walls >10' High, Add	*0.69*	
		For Horizontal Installation Up To 10' High, Add	*1.03*	
		For Horizontal Installation >10' High, Add	*2.06*	
		For Columns Or Beams Up To 10' High, Add	*2.12*	
		For Columns Or Beams >10' High, Add	*3.15*	
		For Up To 100, Add	*3.43*	
		For >100 To 500, Add	*1.71*	
		For >5,000, Deduct	*-1.37*	
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	7.50	4.15
		For Walls >10' High, Add	*0.68*	
		For Horizontal Installation Up To 10' High, Add	*1.02*	
		For Horizontal Installation >10' High, Add	*2.05*	
		For Columns Or Beams Up To 10' High, Add	*2.11*	
		For Columns Or Beams >10' High, Add	*3.14*	
		For Up To 100, Add	*3.41*	
		For >100 To 500, Add	*1.71*	
		For >5,000, Deduct	*-1.36*	
09 23 13 00-0025		Plaster Bonding Agent *(09 23 13)*		
09 23 13 00-0026	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.85	
		For Walls >10' High, Add	*0.06*	
		For Columns Or Beams Up To 10' High, Add	*0.18*	
		For Columns Or Beams >10' High, Add	*0.27*	
		For Ceiling Application Up To 10' High, Add	*0.08*	
		For Ceiling Application >10' High, Add	*0.14*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	4.93	2.53
		For Walls >10' High, Add	*0.41*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*1.22*	
		For Columns Or Beams Up To 10' High, Add	*1.26*	
		For Columns Or Beams >10' High, Add	*1.86*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.01*	
		For >5,000, Deduct	*-0.81*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	7.54	3.95
		For Walls >10' High, Add	*0.64*	
		For Horizontal Installation Up To 10' High, Add	*0.96*	
		For Horizontal Installation >10' High, Add	*1.93*	
		For Columns Or Beams Up To 10' High, Add	*1.99*	
		For Columns Or Beams >10' High, Add	*2.96*	
		For Up To 100, Add	*3.22*	
		For >100 To 500, Add	*1.61*	
		For >5,000, Deduct	*-1.29*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	8.53	4.46
		For Walls >10' High, Add	*0.73*	
		For Horizontal Installation Up To 10' High, Add	*1.09*	
		For Horizontal Installation >10' High, Add	*2.18*	
		For Columns Or Beams Up To 10' High, Add	*2.25*	
		For Columns Or Beams >10' High, Add	*3.34*	
		For Up To 100, Add	*3.64*	
		For >100 To 500, Add	*1.82*	
		For >5,000, Deduct	*-1.45*	

09 24 23 Cement Stucco *(09 24)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.		
09 24 23 00-0001		Stucco *(09 24 23)*		
		Note: Excludes wall scaffolding or lifting equipment.		
09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco	9.65	3.14
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.86*	
		For Horizontal Installation Up To 10' High, Add	*1.29*	
		For Horizontal Installation >10' High, Add	*2.58*	
		For Columns Or Beams Up To 10' High, Add	*2.66*	
		For Columns Or Beams >10' High, Add	*3.95*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.80*	
		For Up To 100, Add	*4.30*	
		For >100 To 500, Add	*2.15*	
		For >5,000, Deduct	*-1.72*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco	4.08	1.52
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.31*	
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Columns Or Beams Up To 10' High, Add	*0.97*	
		For Columns Or Beams >10' High, Add	*1.44*	
		For Up To 100, Add	*1.57*	
		For >100 To 500, Add	*0.79*	
		For >5,000, Deduct	*-0.63*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco	6.36	1.52
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.56*	
		For Horizontal Installation Up To 10' High, Add	*0.84*	
		For Horizontal Installation >10' High, Add	*1.67*	
		For Columns Or Beams Up To 10' High, Add	*1.73*	
		For Columns Or Beams >10' High, Add	*2.57*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.53*	
		For Up To 100, Add	*2.79*	
		For >100 To 500, Add	*1.40*	
		For >5,000, Deduct	*-1.12*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	4.18	1.01
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.41*	
		For Horizontal Installation Up To 10' High, Add	*0.61*	
		For Horizontal Installation >10' High, Add	*1.22*	
		For Columns Or Beams Up To 10' High, Add	*1.26*	
		For Columns Or Beams >10' High, Add	*1.86*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.53*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.01*	
		For >5,000, Deduct	*-0.81*	
09 24 33		**Cement Parging** *(09 24)*		
09 24 33 00-0001		Cement Parging *(09 24 33)*		
09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	3.84	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	4.90	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	7.48	
09 28		**Backing Boards and Underlayments** *(09 20)*		
09 28 13		**Cementitious Backing Boards** *(09 28)*		
09 28 13 00-0001		Cementitious Backer Units *(09 28 13)*		
		Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	3.77	0.68
		For Up To 50, Add	*2.98*	
		For >50 To 250, Add	*0.54*	
		For >1,000, Deduct	*-0.27*	
		For Installation On Wall, Add	*0.54*	
		For Installation On Ceiling, Add	*1.36*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	4.34	0.82
		For Up To 50, Add	*3.52*	
		For >50 To 250, Add	*0.65*	
		For >1,000, Deduct	*-0.33*	
		For Installation On Wall, Add	*0.65*	
		For Installation On Ceiling, Add	*1.63*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	5.33	0.95
		For Up To 50, Add	*4.18*	
		For >50 To 250, Add	*0.76*	
		For >1,000, Deduct	*-0.38*	
		For Installation On Wall, Add	*0.76*	
		For Installation On Ceiling, Add	*1.90*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	3.38	0.76
		For Up To 50, Add	*2.31*	
		For >50 To 250, Add	*0.39*	
		For >1,000, Deduct	*-0.20*	
		For Installation On Wall, Add	*0.39*	
		For Installation On Ceiling, Add	*0.98*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	4.36	0.87
		For Up To 50, Add	*2.72*	
		For >50 To 250, Add	*0.43*	
		For >1,000, Deduct	*-0.22*	
		For Installation On Wall, Add	*0.43*	
		For Installation On Ceiling, Add	*1.09*	

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.41	0.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.44*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.46*	
		For >128 To 320, Add	*0.27*	
		For >1,536, Deduct	*-0.12*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.52	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.49*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.50*	
		For >128 To 320, Add	*0.30*	
		For >1,536, Deduct	*-0.13*	
09 29 10 00-0005	SF	1/2" Gypsum Board	1.67	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.56*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.14*	
09 29 10 00-0006	SF	5/8" Gypsum Board	1.97	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.65*	
		For >128 To 320, Add	*0.39*	
		For >1,536, Deduct	*-0.17*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	2.08	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.42*	
		For >1,536, Deduct	*-0.17*	
09 29 10 00-0010		Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*		
09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	1.93	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.62*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.63*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.17*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	2.16	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.72*	
		For >128 To 320, Add	*0.43*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0013		Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*		
09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.10	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.90*	
		For >128 To 320, Add	*0.52*	
		For >1,536, Deduct	*-0.32*	
09 29 10 00-0015		Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Water-resistant gypsum core.		
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	1.85	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.60*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.16*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	2.43	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.31*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.74*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.24*	
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	3.67	0.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.49*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.93*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.45*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	3.82	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.99*	
		For >128 To 320, Add	*0.55*	
		For >1,536, Deduct	*-0.46*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	3.98	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.05*	
		For >128 To 320, Add	*0.59*	
		For >1,536, Deduct	*-0.47*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.46	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.62*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.14*	
		For >128 To 320, Add	*0.63*	
		For >1,536, Deduct	*-0.55*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	6.99	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*1.68*	
		For >128 To 320, Add	*0.91*	
		For >1,536, Deduct	*-0.91*	
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*		
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.21	0.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.67*	
		For >128 To 320, Add	*0.39*	
		For >1,536, Deduct	*-0.22*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.62	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.31*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.78*	
		For >128 To 320, Add	*0.46*	
		For >1,536, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.64	0.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.62*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.78*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.27*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.94	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.48*	
		For Horizontal Installation >10' High, Add	*0.71*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.87*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.30*	
09 29 10 00-0029		**Impact Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	3.96	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.05*	
		For >128 To 320, Add	*0.59*	
		For >1,536, Deduct	*-0.47*	
09 29 10 00-0031		**Abuse Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	2.70	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.31*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.80*	
		For >128 To 320, Add	*0.46*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0033		**Noise Reducing Gypsum Board** *(09 29 10 00-0001)*		
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.20	0.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.30*	
		For >128 To 320, Add	*0.72*	
		For >1,536, Deduct	*-0.65*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	6.35	0.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.53*	
		For >128 To 320, Add	*0.83*	
		For >1,536, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 29 10 00-0036 **Finishing Gypsum Board Applications** *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 **Finish Gypsum Board Walls, ASTM C840 Level 4** *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.75	
		For Up To 128, Add	*0.29*	
		For >128 To 320, Add	*0.18*	
		For >5,400, Deduct	*-0.08*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.35*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.07*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.55*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.55*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.00	
		For Up To 128, Add	*0.39*	
		For >128 To 320, Add	*0.24*	
		For >5,400, Deduct	*-0.10*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.48*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.24*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.74*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.74*	

09 29 10 00-0040 **Finish Gypsum Board Ceilings, ASTM C840 Level 4** *(09 29 10 00-0036)*

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.98	
		For Up To 128, Add	*0.38*	
		For >128 To 320, Add	*0.23*	
		For >5,400, Deduct	*-0.10*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.47*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.23*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.09*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.72*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.72*	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.30	
		For Up To 128, Add	*0.51*	
		For >128 To 320, Add	*0.31*	
		For >5,400, Deduct	*-0.13*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.63*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.31*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.13*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.96*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.96*	

09 29 10 00-0043 **Finish Gypsum Board Vertical Corners, ASTM C840 Level 4** *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.51	
		For ASTM C840 Level 1 Finish, Deduct	*-0.70*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.35*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.10*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.79	
		For ASTM C840 Level 1 Finish, Deduct	*-0.84*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.42*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.17*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.31*	

09 29 10 00-0046 **Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.74	
		For ASTM C840 Level 1 Finish, Deduct	*-0.81*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.41*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	2.09	
		For ASTM C840 Level 1 Finish, Deduct	*-0.99*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.49*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.20*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.54*	
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	3.97	1.09
		For Up To 100, Add	*0.29*	
		For >500, Deduct	*-0.20*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	3.89	1.09
		For Up To 100, Add	*0.27*	
		For >500, Deduct	*-0.19*	
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.92	1.30
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.97	1.30
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.17	1.30
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.27	1.30
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.53	1.30
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.78	1.30
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.03	1.30
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.85	1.30
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.66	1.30
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.03	1.41
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.03	1.41
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.59	1.41
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.69	1.41
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.05	1.41
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.20	1.41
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.41	1.41
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.32	1.41
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.24	1.41
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	12.81	1.63
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	14.34	1.63
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	5.35	1.36
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	5.76	1.36
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	6.77	1.50
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	7.11	1.63
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	10.44	1.36
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	10.85	1.36
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.86	1.50
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.19	1.63
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	5.76	1.36
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	6.62	1.50
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	7.97	1.63
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.81	0.87
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.85	0.98
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.74	1.09
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.15	1.20
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.54	1.30
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.70	1.30
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.15	1.30
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.02	1.30
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.32	1.30
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.05	1.41
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.15	1.41
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.71	1.41
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.97	1.41
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.17	1.41
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.42	1.41
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.78	1.41
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.70	1.41
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.46	1.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	12.90	1.41
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	17.58	1.41
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	11.98	1.41
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.39	1.41
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	13.76	1.41
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	13.92	1.41
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	15.90	1.41
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	12.95	1.41
09 29 10 00-0115		'V' Groove Wall Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	8.71	1.95
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.96	2.17
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	11.32	2.61
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	11.45	2.82
09 29 10 00-0120		Double Fin Wall Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.36	1.30
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.46	1.30
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.56	1.30
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.56	1.30
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.02	1.30
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.22	1.29
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.42	1.30
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.88	1.30
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.65	1.30
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.46	1.30
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.83	1.41
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.93	1.41
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.14	1.41
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.59	1.41
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.80	1.41
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.95	1.41
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.46	1.41
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.27	1.41
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.09	1.41
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.27	1.41
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	18.85	1.41
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	16.81	1.54
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.08	1.88
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.74	1.88
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.32	1.29
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	13.94	1.88
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.03	1.29
09 29 10 00-0148		Special Conditions Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0149		Radius Conditions *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	127.14	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	127.14	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	127.14	
09 29 10 00-0153		Knee Brace Kit *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	271.21	13.56
09 29 10 00-0155		Wall Bumper Rail *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	36.27	5.43
09 29 10 00-0157		Corners For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	7.70	1.30
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.22	1.41
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.15	1.47
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.25	1.54
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	12.42	1.88
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	14.41	2.11
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	17.55	2.42
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	21.36	2.83
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	29.40	3.77
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	7.70	1.26
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	14.37	1.69
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.15	1.69
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	18.85	1.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	26.92	2.11
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	25.80	2.11
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	7.48	1.47
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	7.56	1.41
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	7.64	1.30
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.02	1.41
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	10.91	1.54
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	9.63	1.30
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.15	1.41
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	15.08	1.54
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	16.75	1.30
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	28.53	2.83
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	30.57	2.83
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	56.81	4.71
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	94.71	6.67
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.20	1.45
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	10.56	1.52
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	12.67	1.85
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	15.63	2.08
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	22.38	2.39
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	24.11	2.79
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	27.16	3.71
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	17.09	2.79
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	17.35	2.79
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.97	2.79
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	19.48	2.79

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	7.05	2.71
		For Horizontal Installation Up To 10' High, Add	*1.85*	
		For Horizontal Installation >10' High, Add	*2.72*	
		For Walls >10' High, Add	*0.43*	
		For Up To 128, Add	*2.50*	
		For >128 To 320, Add	*1.52*	
		For >1,536, Deduct	*-0.51*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	8.17	3.25
		For Horizontal Installation Up To 10' High, Add	*2.21*	
		For Horizontal Installation >10' High, Add	*3.26*	
		For Walls >10' High, Add	*0.52*	
		For Up To 128, Add	*2.94*	
		For >128 To 320, Add	*1.79*	
		For >1,536, Deduct	*-0.57*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	7.37	2.09
		For Horizontal Installation Up To 10' High, Add	*1.42*	
		For Horizontal Installation >10' High, Add	*2.09*	
		For Walls >10' High, Add	*0.33*	
		For Up To 128, Add	*2.31*	
		For >128 To 320, Add	*1.36*	
		For Glass Mat Surfaces, Add	*0.39*	
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	7.85	2.20
		For Horizontal Installation Up To 10' High, Add	*1.49*	
		For Horizontal Installation >10' High, Add	*2.19*	
		For Walls >10' High, Add	*0.35*	
		For Up To 128, Add	*2.45*	
		For >128 To 320, Add	*1.44*	
		For Glass Mat Surfaces, Add	*0.39*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	8.58	2.20
		For Horizontal Installation Up To 10' High, Add	*1.49*	
		For Horizontal Installation >10' High, Add	*2.19*	
		For Walls >10' High, Add	*0.35*	
		For Up To 128, Add	*2.59*	
		For >128 To 320, Add	*1.52*	
		For Glass Mat Surfaces, Add	*0.39*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.09	2.30
		For Horizontal Installation Up To 10' High, Add	*1.56*	
		For Horizontal Installation >10' High, Add	*2.30*	
		For Walls >10' High, Add	*0.37*	
		For Up To 128, Add	*2.74*	
		For >128 To 320, Add	*1.60*	
		For Glass Mat Surfaces, Add	*0.39*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	16.67	2.89
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*8.50*	
		For >50 To 250, Add	*1.16*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.49*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile	11.46	2.89
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*7.20*	
		For >50 To 250, Add	*1.16*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.49*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	12.91	1.81
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*8.65*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.70*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	17.90	3.50
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*9.73*	
		For >50 To 250, Add	*1.40*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.50*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.67*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile	12.69	3.50
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*8.43*	
		For >50 To 250, Add	*1.40*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.50*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.67*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	14.55	2.22
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*10.29*	
		For >50 To 250, Add	*1.77*	
		For >1,000, Deduct	*-0.89*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.78*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.95*	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile	17.83	6.07
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.27*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.44*	
		For Up To 50, Add	*13.57*	
		For >50 To 250, Add	*2.43*	
		For >1,000, Deduct	*-1.22*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile	20.26	3.64
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.64*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.81*	
		For Up To 50, Add	*16.00*	
		For >50 To 250, Add	*2.92*	
		For >1,000, Deduct	*-1.46*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim	11.53	2.53
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.83*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	19.77	2.53
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.83*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	22.40	2.53
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.74*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.83*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	18.43	0.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0014	SF	1" Hexagon, Mosaic Ceramic Floor Tile (Daltile Carrara)	40.86	
		For Up To 50, Add	*14.58*	
		For >50 To 250, Add	*1.16*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	
09 30 13 00-0015	SF	2" x 4", Matt Finish, Ceramic Wall Tile With 3/6" Joint Size (Fireclay Tile Calcite)	42.72	
		For Up To 50, Add	*15.95*	
		For >50 To 250, Add	*1.41*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.50*	
09 30 13 00-0016	SF	2" x 4", Gloss Finish, Ceramic Wall Tile With 3/6" Joint Size (Fireclay Tile Loch Ness)	30.87	
		For Up To 50, Add	*12.99*	
		For >50 To 250, Add	*1.41*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.50*	
09 30 13 00-0017	SF	4" x 4", Matt Finish, Ceramic Wall Tile With 3/6" Joint Size (Fireclay Tile Calcite)	54.17	
		For Up To 50, Add	*18.82*	
		For >50 To 250, Add	*1.41*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.50*	
09 30 13 00-0018	SF	2" x 8", Gloss Finish, Glazed Brick Tile With 3/6" Joint Size (Fireclay Tile Blue Nebula)	39.25	
		For Up To 50, Add	*16.48*	
		For >50 To 250, Add	*1.78*	
		For >1,000, Deduct	*-0.89*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.78*	

09 30 13 00-0019 Residential Ceramic Tiling *(09 30 13)*

09 30 13 00-0020	SF	Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	9.36	2.89
		For Up To 50, Add	*6.68*	
		For >50 To 250, Add	*1.16*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	
09 30 13 00-0021	SF	Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	10.59	3.50
		For Up To 50, Add	*7.91*	
		For >50 To 250, Add	*1.40*	
		For >1,000, Deduct	*-0.70*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.50*	
09 30 13 00-0022	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	11.57	2.89
		For Up To 50, Add	*7.23*	
		For >50 To 250, Add	*1.16*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.32*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	12.05	2.04
		For Up To 50, Add	*9.08*	
		For >50 To 250, Add	*1.62*	
		For >1,000, Deduct	*-0.81*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.66*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.83*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	24.56	2.04
		For Up To 50, Add	*12.21*	
		For >50 To 250, Add	*1.62*	
		For >1,000, Deduct	*-0.81*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.66*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.83*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile Note: With or without embedded abrasive grit.	13.67	2.41
		For Up To 50, Add	*10.70*	
		For >50 To 250, Add	*1.94*	
		For >1,000, Deduct	*-0.97*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.91*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.08*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	26.18	2.41
		For Up To 50, Add	*13.83*	
		For >50 To 250, Add	*1.94*	
		For >1,000, Deduct	*-0.97*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.91*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.08*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	16.97	2.67
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.82*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.91*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	37.48	2.67
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.82*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 30 23 Glass Mosaic Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 23 00-0001	SF	Up To 1"x1", Unmounted Glass Wall Tile	31.98	2.22

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	11.10	1.81
		For Up To 50, Add	*8.20*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	11.46	1.81
		For Up To 50, Add	*8.29*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	11.65	1.81
		For Up To 50, Add	*8.34*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	11.74	1.81
		For Up To 50, Add	*8.36*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	11.79	1.81
		For Up To 50, Add	*8.37*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	11.87	1.81
		For Up To 50, Add	*8.39*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	12.07	1.81
		For Up To 50, Add	*8.44*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	13.32	1.81
		For Up To 50, Add	*8.75*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	13.46	1.81
		For Up To 50, Add	*8.79*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	13.73	1.81
		For Up To 50, Add	*8.86*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	14.02	1.81
		For Up To 50, Add	*8.93*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	14.22	1.81
		For Up To 50, Add	*8.98*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	14.91	1.81
		For Up To 50, Add	*9.15*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	16.21	1.81
		For Up To 50, Add	*9.48*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	16.30	1.81
		For Up To 50, Add	*9.50*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	17.26	1.81
		For Up To 50, Add	*9.74*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	17.59	1.81
		For Up To 50, Add	*9.82*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	17.73	1.81
		For Up To 50, Add	*9.86*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	17.95	1.81
		For Up To 50, Add	*9.91*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	19.75	1.81
		For Up To 50, Add	*10.36*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	20.77	1.81
		For Up To 50, Add	*10.62*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	21.05	1.81
		For Up To 50, Add	*10.69*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	21.19	1.81
		For Up To 50, Add	*10.72*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0025		**Granite Floor Tile** *(09 30 33)*		
09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	10.13	1.81
		For Up To 50, Add	*7.96*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	10.82	1.81
		For Up To 50, Add	*8.13*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	11.38	1.81
		For Up To 50, Add	*8.27*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	13.59	1.81
		For Up To 50, Add	*8.82*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	14.02	1.81
		For Up To 50, Add	*8.93*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	14.42	1.81
		For Up To 50, Add	*9.03*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	14.83	1.81
		For Up To 50, Add	*9.13*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	15.33	1.81
		For Up To 50, Add	*9.26*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	15.80	1.81
		For Up To 50, Add	*9.37*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	16.30	1.81
		For Up To 50, Add	*9.50*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	16.77	1.81
		For Up To 50, Add	*9.62*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	17.32	1.81
		For Up To 50, Add	*9.75*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	17.87	1.81
		For Up To 50, Add	*9.89*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	19.81	1.81
		For Up To 50, Add	*10.38*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0040		**Slate Floor Tile** *(09 30 33)*		
09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	9.30	1.81
		For Up To 50, Add	*7.75*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	9.66	1.81
		For Up To 50, Add	*7.84*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	9.86	1.81
		For Up To 50, Add	*7.89*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	9.86	1.81
		For Up To 50, Add	*7.89*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	9.99	1.81
		For Up To 50, Add	*7.92*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	10.41	1.81
		For Up To 50, Add	*8.03*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	10.82	1.81
		For Up To 50, Add	*8.13*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	10.96	1.81
		For Up To 50, Add	*8.16*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0049		**Travertine Floor Tile** *(09 30 33)*		
09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	10.82	1.81
		For Up To 50, Add	*8.13*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	11.24	1.81
		For Up To 50, Add	*8.23*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	11.51	1.81
		For Up To 50, Add	*8.30*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	11.93	1.81
		For Up To 50, Add	*8.41*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	12.07	1.81
		For Up To 50, Add	*8.44*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	12.21	1.81
		For Up To 50, Add	*8.48*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	13.53	1.81
		For Up To 50, Add	*8.81*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0057		Limestone Floor Tile *(09 30 33)*		
09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	13.45	1.81
		For Up To 50, Add	*8.79*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	13.86	1.81
		For Up To 50, Add	*8.89*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	16.02	1.81
		For Up To 50, Add	*9.43*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	17.32	1.81
		For Up To 50, Add	*9.75*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	17.32	1.81
		For Up To 50, Add	*9.75*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	17.73	1.81
		For Up To 50, Add	*9.86*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	19.25	1.81
		For Up To 50, Add	*10.24*	
		For >50 To 250, Add	*1.45*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.53*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.70	0.96
		For Up To 50, Add	*1.51*	
		For >50 To 250, Add	*0.29*	
		For >1,000, Deduct	*-0.15*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.92	
		For Up To 50, Add	*0.92*	
		For >50 To 250, Add	*0.18*	
		For >1,000, Deduct	*-0.09*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 LB felt and wire reinforcement.	4.45	1.93
		For Up To 50, Add	*3.28*	
		For >50 To 250, Add	*0.58*	
		For >1,000, Deduct	*-0.29*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 LB felt and wire reinforcement.	6.14	2.57
		For Up To 50, Add	*4.43*	
		For >50 To 250, Add	*0.77*	
		For >1,000, Deduct	*-0.39*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 LB felt and expanded metal lath.	13.78	5.78
		For Up To 50, Add	*12.12*	
		For >50 To 250, Add	*2.31*	
		For >1,000, Deduct	*-1.16*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-2.13*	

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,375.18
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,599.70
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,377.97

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	166.74
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	159.86

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	349.23
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	703.94
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	869.47
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	633.00
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	703.94
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	751.23

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	296.80
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	296.80
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	462.33

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.11
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	5.93

09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*

09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.47

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling *(09 35 13)*

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar Note: Impact and chemical resistant.	5.88	1.27
		For Up To 50, Add	*2.92*	
		For >50 To 250, Add	*0.39*	
		For >1,000, Deduct	*-0.19*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001 Tile Waterproofing And Crack Prevention *(09 39)*

09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane; RedGard	130.58	

09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*

09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	5.37	
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	11.67	

09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile *(09 39)*

09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	7.66	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	7.64	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	7.93	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.27	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.57	

09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile *(09 39)*

09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.00	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.46	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.97	

09 39 00 00-0016 Tile Substrate (Schluter® KERDI BOARD) *(09 39)*

09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.24	0.76
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	10.40	0.87

09 39 00 00-0019 Floor Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.90	
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.02	
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.15	
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.37	
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.24	
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.41	
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.54	
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.67	
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.10	
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	5.67	
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.27	
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.55	
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.83	
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	7.09	
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.45	
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.74	
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.00	

09 39 00 00-0037 Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.43	
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.72	
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.16	
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.60	
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.02	
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.58	
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.14	
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.12	

09 39 00 00-0046 Finishing And Edge Protection Profile For Outside Corners Of Tiled Surfaces *(09 39)*

09 39 00 00-0047	LF	1/2" Height, Finish Edge Trim With Schluter Strip (Jolly A125AT)	5.02	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0002		Fiberglass Acoustical Panels *(09 51 13 00-0001)* Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	7.91	0.43
		For Up To 50, Add	*1.75*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.47*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.07*	
		For Owner Furnished Material, Deduct	*-6.50*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	7.86	0.43
		For Up To 50, Add	*1.74*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.07*	
		For Owner Furnished Material, Deduct	*-6.45*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.36	0.54
		For Up To 50, Add	*1.86*	
		For >50 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.14*	
		For Owner Furnished Material, Deduct	*-6.84*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.45	0.54
		For Up To 50, Add	*1.88*	
		For >50 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.15*	
		For Owner Furnished Material, Deduct	*-6.93*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	8.68	0.54
		For Up To 50, Add	*1.91*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.69*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.17*	
		For Owner Furnished Material, Deduct	*-7.16*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	8.67	0.54
		For Up To 50, Add	*1.91*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.69*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.17*	
		For Owner Furnished Material, Deduct	*-7.15*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	9.04	0.54
		For Up To 50, Add	*1.96*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.53*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.72*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*1.21*	
		For Owner Furnished Material, Deduct	*-7.52*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	9.03	0.54
		For Up To 50, Add	*1.96*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.53*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.72*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-7.51*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0011		Mineral Fiber Panels *(09 51 13)*		
09 51 13 00-0012		Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*		
		Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.56	0.43
		For Up To 50, Add	*0.95*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.54	0.65
		For Up To 50, Add	*0.95*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.82	0.43
		For Up To 50, Add	*0.99*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.56*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.82	0.43
		For Up To 50, Add	*0.99*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.56*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.03	0.65
		For Up To 50, Add	*1.02*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.04	0.65
		For Up To 50, Add	*1.02*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.31	0.65
		For Up To 50, Add	*1.06*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.61*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0020	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	2.80	0.43
		For Up To 50, Add	*0.98*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.56*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0021	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	2.79	0.65
		For Up To 50, Add	*0.98*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.56*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.21	0.43
		For Up To 50, Add	*1.05*	
		For >50 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.60*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0023	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.56	0.43
		For Up To 50, Add	*0.95*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0024	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.54	0.43
		For Up To 50, Add	*0.95*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.82	0.43
		For Up To 50, Add	*0.99*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.56*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0026	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.58	0.43
		For Up To 50, Add	*0.95*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0027	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.57	0.43
		For Up To 50, Add	*0.95*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.96	0.43
		For Up To 50, Add	*1.01*	
		For >50 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.58*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.96	0.43
		For Up To 50, Add	*1.01*	
		For >50 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.58*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0030	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.11	0.43
		For Up To 50, Add	*1.03*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0031	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.66	0.43
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.03	0.43
		For Up To 50, Add	*1.02*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.68	0.43
		For Up To 50, Add	*1.12*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0034	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.84	0.43
		For Up To 50, Add	*0.99*	
		For >50 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.57*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0035	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.11	0.65
		For Up To 50, Add	*1.03*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0036	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.05	0.65
		For Up To 50, Add	*1.02*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.44	0.65
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.44	0.65
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	8.23	0.76
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0040	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.28	0.43
		For Up To 50, Add	*1.06*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.61*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0041	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.27	0.43
		For Up To 50, Add	*1.05*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.61*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0042	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.84	0.43
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0043	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.51	0.43
		For Up To 50, Add	*1.09*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0044	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.46	0.43
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0045	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.46	0.43
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.64	0.43
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.78	0.43
		For Up To 50, Add	*1.13*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	3.99	0.43
		For Up To 50, Add	*1.16*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	3.96	0.43
		For Up To 50, Add	*1.16*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0050	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	3.85	0.65
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0051	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	3.84	0.65
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.16	0.43
		For Up To 50, Add	*1.19*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.07	0.43
		For Up To 50, Add	*1.17*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.99	0.65
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.95	0.65
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.99	0.65
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.95	0.65
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0058	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	5.47	0.43
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.45*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0059	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.43	0.65
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0060	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.42	0.65
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.86	0.43
		For Up To 50, Add	*1.44*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.47*	
		For Individual Room Quantities <495, Add	*0.87*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.86	0.43
		For Up To 50, Add	*1.44*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.47*	
		For Individual Room Quantities <495, Add	*0.87*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0063	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.45	0.43
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0064	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.45	0.43
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.45	0.43
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.45	0.43
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0067	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.86	0.54
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.48*	
		For Individual Room Quantities <495, Add	*0.89*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0068	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.86	0.54
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.48*	
		For Individual Room Quantities <495, Add	*0.89*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.86	0.54
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.48*	
		For Individual Room Quantities <495, Add	*0.89*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.86	0.54
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.48*	
		For Individual Room Quantities <495, Add	*0.89*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0071	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.15	0.43
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.90*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0072	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.15	0.43
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.90*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.15	0.43
		For Up To 50, Add	*1.49*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.90*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0074	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	6.98	0.43
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0075	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	6.88	0.43
		For Up To 50, Add	*1.64*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.55*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	6.93	0.43
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0077	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	6.49	0.43
		For Up To 50, Add	*1.54*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.52*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0078	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	6.37	0.43
		For Up To 50, Add	*1.52*	
		For >50 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.51*	
		For Individual Room Quantities <495, Add	*0.92*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0079	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.05	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.01*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0080	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.05	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.01*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.05	0.43
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.01*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.05	0.54
		For Up To 50, Add	*1.67*	
		For >50 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.01*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.68*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0083	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	2.49	0.43
		For Individual Room Quantities <495, Add	*0.53*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0084	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	2.57	0.43
		For Individual Room Quantities <495, Add	*0.54*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0085	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	3.87	0.43
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.63*	
		For Ceilings >10' High, Add	*0.11*	

09 51 13 00-0086 Wood Fiber Panels *(09 51 13)*

09 51 13 00-0087	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	6.51	0.65
		For Up To 50, Add	*1.75*	
		For >50 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.04*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.58*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0088	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	6.31	0.65
		For Up To 50, Add	*1.64*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.52*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.58*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0089	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.55	0.65
		For Up To 50, Add	*2.05*	
		For >50 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.69*	
		For Individual Room Quantities <495, Add	*1.24*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-6.62*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0090	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.35	0.65
		For Up To 50, Add	*1.94*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-6.62*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0091	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.52	0.65
		For Up To 50, Add	*2.35*	
		For >50 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.84*	
		For Individual Room Quantities <495, Add	*1.44*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-8.59*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0092	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.32	0.65
		For Up To 50, Add	*2.24*	
		For >50 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.82*	
		For Individual Room Quantities <495, Add	*1.38*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-8.59*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0093	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	7.70	0.65
		For Up To 50, Add	*1.93*	
		For >50 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.48*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.16*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-5.77*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0094	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	7.50	0.65
		For Up To 50, Add	*1.82*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.61*	
		For Individual Room Quantities <495, Add	*1.10*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-5.77*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0095		Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*		
		Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0096	SF	Removal And Reinstallation Of Acoustical Panels Only	2.22	
		For Up To 50, Add	*1.22*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.22*	
		For Ceilings >10' High, Add	*0.17*	
09 51 23		**Acoustical Tile Ceilings** *(09 51)*		
		Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001		Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*		
09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	5.94	1.20
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.98*	
		For >50 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.43*	
		For >2,500, Deduct	*-0.30*	
		For Ceilings >10' High, Add	*0.20*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	7.14	1.20
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.16*	
		For >50 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.49*	
		For >2,500, Deduct	*-0.36*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.20*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	8.11	1.20
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.30*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
		For >2,500, Deduct	*-0.41*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.20*	
09 51 23 00-0005		Wood Fiber Acoustical Tile Ceilings *(09 51 23)*		
09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	5.43	1.20
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.90*	
		For >50 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.41*	
		For >2,500, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.20*	
09 51 33		**Acoustical Metal Pan Ceilings** *(09 51)*		
09 51 33 13		**Acoustical Snap-in Metal Pan Ceilings** *(09 51 33)*		
09 51 33 13-0001		Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	23.09	0.95
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.73	0.95

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SAN BERNARDINO COUNTY

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0004			Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0005		SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.06	1.09
09 51 33 13-0006		SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.24	1.09
09 51 33 13-0007		SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.63	1.09
09 51 33 13-0008		SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.87	1.09
09 51 33 13-0009		SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.04	1.09
09 51 33 13-0010		SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.48	1.09
09 51 33 13-0011		SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.20	1.09
09 51 33 13-0012		SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.65	1.09
09 51 33 13-0013		SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.37	1.09
09 51 33 13-0014		SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.88	1.09
09 51 33 13-0015		SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	63.61	1.09
09 51 33 13-0016		SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.55	1.09
09 51 33 13-0017		SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.78	1.09
09 51 33 13-0018		SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.64	1.09
09 51 33 13-0019		SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	65.79	1.09
09 51 33 13-0020		SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.31	1.09
09 51 33 13-0021		SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.09	1.09
09 51 33 13-0022		SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	34.79	1.09
09 51 33 13-0023		SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	62.20	1.09
09 51 33 13-0024		SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.79	1.09
09 51 33 13-0025		SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.72	1.09
09 51 33 13-0026		SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	35.23	1.09
09 51 33 13-0027		SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.48	1.09
09 51 33 13-0028		SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.77	1.09
09 51 33 13-0029		SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.60	1.09
09 51 33 13-0030		SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.74	1.09
09 51 33 13-0031		SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	54.02	1.09
09 51 33 13-0032		SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.44	1.09
09 51 33 13-0033		SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.69	1.09
09 51 33 13-0034		SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.52	1.09
09 51 33 13-0035		SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	54.13	1.09
09 51 33 13-0036		SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.44	1.09
09 51 33 23			**Acoustical Lay-in Metal Pan Ceilings** *(09 51 33)*		
09 51 33 23-0001			Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*		
09 51 33 23-0002			Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*		
09 51 33 23-0003		SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.95	0.82
			For Walls >10' High, Add	*3.59*	
09 51 33 23-0004		SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.39	0.82
			For Walls >10' High, Add	*4.08*	
09 51 33 23-0005		SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	30.18	0.82
			For Walls >10' High, Add	*6.04*	
09 51 33 23-0006		SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.56	0.82
			For Walls >10' High, Add	*5.11*	
09 51 33 23-0007		SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.46	0.82
			For Walls >10' High, Add	*5.49*	
09 51 33 23-0008		SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	43.51	0.82
			For Walls >10' High, Add	*8.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.04	0.82
		For Walls >10' High, Add	*5.41*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	33.65	0.82
		For Walls >10' High, Add	*6.73*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.19	0.82
		For Walls >10' High, Add	*5.44*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	33.85	0.82
		For Walls >10' High, Add	*6.77*	
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.33	0.82
		For Walls >10' High, Add	*5.47*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	33.72	0.82
		For Walls >10' High, Add	*6.74*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.33	0.82
		For Walls >10' High, Add	*5.47*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	33.99	0.82
		For Walls >10' High, Add	*6.80*	
09 51 33 23-0017		Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*		
09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	23.30	0.82
		For Walls >10' High, Add	*4.66*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	27.87	0.82
		For Walls >10' High, Add	*5.57*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.93	0.82
		For Walls >10' High, Add	*5.99*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.08	0.82
		For Walls >10' High, Add	*5.62*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.84	0.82
		For Walls >10' High, Add	*5.77*	
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.58	0.82
		For Walls >10' High, Add	*6.12*	
09 51 33 33		**Acoustical Tegular Lay-in Metal Pan Ceilings** *(09 51 33)*		
09 51 33 33-0001		Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*		
09 51 33 33-0002		Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*		
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.88	0.82
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.05	0.82
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.10	0.82
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.27	0.82
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.88	0.82
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.61	0.82

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 13 Curved Profile Ceiling Suspension *(09 53)*

09 53 13 00-0001		Perimeter Trim *(09 53 13)*	
09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim	23.69
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim	28.89
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim	32.35
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim	43.68
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim	56.15
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim	63.43

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	4.73	0.54
		For Fastening To Concrete, Add	*1.42*	
		For Fastening To Steel, Add	*1.51*	
		For Vertical Application, Add	*2.07*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.47*	
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.18*	
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.79	0.54
		For UL Listed (Fire Guard), Add	*0.27*	
		For 1-1/2" Wide Faced Grid, Add	*0.51*	
		For Fastening To Concrete, Add	*1.38*	
		For Fastening To Steel, Add	*1.47*	
		For Vertical Application, Add	*1.72*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.39*	
		For Aluminum T-Bar System, Add	*0.82*	
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.22*	
		For Ceilings >10' High, Add	*0.15*	
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.14	0.54
		For UL Listed (Fire Guard), Add	*0.20*	
		For 1-1/2" Wide Faced Grid, Add	*0.37*	
		For Fastening To Concrete, Add	*1.36*	
		For Fastening To Steel, Add	*1.45*	
		For Vertical Application, Add	*1.58*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.34*	
		For Aluminum T-Bar System, Add	*0.60*	
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Black Grid, Add	*0.17*	
		For Ceilings >10' High, Add	*0.14*	
		For Concealed Spline Grid, Add	*0.51*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.60	0.54
		For UL Listed (Fire Guard), Add	*0.16*	
		For 1-1/2" Wide Faced Grid, Add	*0.30*	
		For Fastening To Concrete, Add	*1.33*	
		For Fastening To Steel, Add	*1.42*	
		For Vertical Application, Add	*1.52*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.28*	
		For Aluminum T-Bar System, Add	*0.49*	
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.16*	
		For Black Grid, Add	*0.14*	
		For Ceilings >10' High, Add	*0.11*	
		For Concealed Spline Grid, Add	*0.42*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.29	0.54
		For UL Listed (Fire Guard), Add	*0.15*	
		For 1-1/2" Wide Faced Grid, Add	*0.28*	
		For Fastening To Concrete, Add	*1.31*	
		For Fastening To Steel, Add	*1.40*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.24*	
		For Aluminum T-Bar System, Add	*0.45*	
		For Up To 50, Add	*0.86*	
		For >50 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
		For Ceilings >10' High, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.42	0.54
		For UL Listed (Fire Guard), Add	*0.24*	
		For Fastening To Concrete, Add	*1.36*	
		For Fastening To Steel, Add	*1.45*	
		For Vertical Application, Add	*1.58*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF		
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.20*	
		For Black Grid, Add	*0.20*	
		For Ceilings >10' High, Add	*0.14*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	2.82	0.54
		For UL Listed (Fire Guard), Add	*0.20*	
		For Fastening To Concrete, Add	*1.33*	
		For Fastening To Steel, Add	*1.42*	
		For Vertical Application, Add	*1.52*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.29*	
		Note: For use with projects >500 SF		
		For Up To 50, Add	*1.03*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.17*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.11*	

09 53 23 00-0009 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.41	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.37	1.52
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	4.83	1.63
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	6.89	1.73
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.05*	
09 53 23 00-0014	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	7.11	0.31
09 53 23 00-0015	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum Note: Includes vertical centerl strut and four 12 gauge diagonal wires.	35.98	9.10
09 53 23 00-0016	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	89.67	22.05
09 53 23 00-0017	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	93.14	22.47
09 53 23 00-0018	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	105.74	22.47

09 53 23 00-0019 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 53 23 00-0020	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	2.99	
		For Up To 50, Add	*1.64*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.22*	
		For Ceilings >10' High, Add	*0.22*	
09 53 23 00-0021	SF	Removal And Reinstallation Of Grid System Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.	1.30	
		For Up To 50, Add	*0.72*	
		For >50 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.10*	
		For Ceilings >10' High, Add	*0.10*	

09 53 23 00-0022 Existing Ceiling Suspension System Accessories *(09 53 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0023	EA	Ceiling Hold Down Clip (Armstrong FZUHDCA) Note: For existing ceilings	3.55	0.87
		For Up To 40, Add	*1.40*	
		For >40 To 150, Add	*0.70*	
		For >400, Deduct	*-0.33*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

09 54 16 00-0001 Translucent Ceiling Panels *(09 54 16)*

09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	3.21	0.54
		For Ceilings >10' High, Add	*0.09*	
		For >100 To 200, Deduct	*-0.14*	
		For >200 To 300, Deduct	*-0.36*	
		For >300, Deduct	*-0.62*	

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	22.37	2.29
		For Up To 50, Add	*5.55*	
		For >50 To 200, Add	*3.33*	
		For >200 To 500, Add	*1.39*	
		For >2,500, Deduct	*-1.12*	
		For Ceilings >10' High, Add	*0.41*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.18*	
		For Curved Ceilings, Add	*1.32*	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.93	2.29
		For Up To 50, Add	*4.84*	
		For >50 To 200, Add	*2.87*	
		For >200 To 500, Add	*1.17*	
		For >2,500, Deduct	*-0.90*	
		For Ceilings >10' High, Add	*0.40*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.08*	
		For Curved Ceilings, Add	*1.30*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	16.21	2.29
		For Up To 50, Add	*4.54*	
		For >50 To 200, Add	*2.67*	
		For >200 To 500, Add	*1.07*	
		For >2,500, Deduct	*-0.81*	
		For Ceilings >10' High, Add	*0.39*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.38*	
		For Curved Ceilings, Add	*1.27*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	21.83	3.55
		For Up To 50, Add	*4.98*	
		For >50 To 200, Add	*3.04*	
		For >200 To 500, Add	*1.31*	
		For >2,500, Deduct	*-1.09*	
		For Ceilings >10' High, Add	*0.32*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	32.49	2.29
		For Up To 50, Add	*6.67*	
		For >50 To 200, Add	*4.15*	
		For >200 To 500, Add	*1.85*	
		For >2,500, Deduct	*-1.62*	
		For Ceilings >10' High, Add	*0.34*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	23.58	2.29
		For Up To 50, Add	*5.34*	
		For >50 To 200, Add	*3.26*	
		For >200 To 500, Add	*1.40*	
		For >2,500, Deduct	*-1.18*	
		For Ceilings >10' High, Add	*0.34*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	21.67	2.29
		For Up To 50, Add	*4.91*	
		For >50 To 200, Add	*3.00*	
		For >200 To 500, Add	*1.29*	
		For >2,500, Deduct	*-1.08*	
		For Ceilings >10' High, Add	*0.31*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	18.90	1.71
		For Up To 50, Add	*4.29*	
		For >50 To 200, Add	*2.62*	
		For >200 To 500, Add	*1.13*	
		For >2,500, Deduct	*-0.95*	
		For Ceilings >10' High, Add	*0.27*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	14.41	3.43
09 54 23 00-0013	LF	6" Wide Embossed Molding	18.13	4.00
09 54 23 00-0014	LF	12" Wide Embossed Molding	24.38	4.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	41.55	10.86
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	58.02	12.69

09 57 Special Function Ceilings *(09 50)*

09 57 63 High Impact Ceilings *(09 57)*

09 57 63 00-0001 High Impact Ceilings *(09 57 63)*

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	13.03	1.09
		For Ceilings >10' High, Add	*0.13*	
09 57 63 00-0003	EA	High Impact Clips	5.65	0.87
		For Ceilings >10' High, Add	*0.20*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	2.93	2.16
09 61 13 00-0003	LF	2" Anti-Slip Tape	3.76	2.39
09 61 13 00-0004	LF	3" Anti-Slip Tape	4.56	2.63
09 61 13 00-0005	LF	4" Anti-Slip Tape	5.31	2.89
09 61 13 00-0006	LF	6" Anti-Slip Tape	6.83	3.18
09 61 13 00-0007	LF	12" Anti-Slip Tape	12.03	4.76
09 61 13 00-0008	LF	24" Anti-Slip Tape	16.99	7.15

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	27.89	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	31.46	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	17.85	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	21.09	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	19.30	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	23.60	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	20.70	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	26.14	9.50
		For Basket Weave Pattern, Add	*2.03*	
		For Herringbone Pattern, Add	*2.71*	
		For Epoxy Joints, Add	*5.10*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	18.46	5.55

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 13 00-0002	SF	1/8" Thick Laminate And Wood Floor Underlayment (Roberts Harmony Premium 3-in-1)	1.75	
09 64 13 00-0003	SF	2mm Thick, Foam Underlayment For Laminate Flooring (SimpleSolutions Soundbloc)	0.87	
09 64 13 00-0004	SF	Underlayment For Wood And Laminate Flooring (Halex VersaSheild VS-60)	2.13	
09 64 13 00-0005	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.50	
09 64 13 00-0006	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.52	
09 64 13 00-0007	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.54	
09 64 13 00-0008	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.60	
09 64 13 00-0009	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.54	
09 64 13 00-0010	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.60	
09 64 13 00-0011	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.40	0.35
09 64 13 00-0012	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.51	0.35
09 64 13 00-0013	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.89	
09 64 13 00-0014	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.11	
09 64 13 00-0015	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.20	
09 64 13 00-0016	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.46	
09 64 13 00-0017	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.48	0.23

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	11.81	1.09
		For Up To 20, Add	*4.82*	
		For >20 To 50, Add	*2.54*	
		For >50 To 100, Add	*1.27*	
		For >100 To 300, Add	*0.63*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	14.52	1.09
		For Factory Finish, Add	*0.96*	
		For Random Width Floor, Add	*3.39*	
		For Up To 20, Add	*4.37*	
		For >20 To 50, Add	*2.43*	
		For >50 To 100, Add	*1.21*	
		For >100 To 300, Add	*0.61*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.41	1.09
		For Factory Finish, Add	*0.50*	
		For Random Width Floor, Add	*2.53*	
		For Up To 20, Add	*4.58*	
		For >20 To 50, Add	*2.42*	
		For >50 To 100, Add	*1.21*	
		For >100 To 300, Add	*0.60*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.06	1.09
		For Factory Finish, Add	*0.57*	
		For Random Width Floor, Add	*2.70*	
		For Up To 20, Add	*4.68*	
		For >20 To 50, Add	*2.48*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	13.05	1.09
		For Factory Finish, Add	*0.67*	
		For Random Width Floor, Add	*2.94*	
		For Up To 20, Add	*4.83*	
		For >20 To 50, Add	*2.58*	
		For >50 To 100, Add	*1.29*	
		For >100 To 300, Add	*0.65*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	10.13	1.09
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.29*	
		For Up To 20, Add	*3.72*	
		For >20 To 50, Add	*1.99*	
		For >50 To 100, Add	*0.99*	
		For >100 To 300, Add	*0.50*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	10.65	1.09
		For Factory Finish, Add	*0.58*	
		For Random Width Floor, Add	*2.42*	
		For Up To 20, Add	*3.79*	
		For >20 To 50, Add	*2.04*	
		For >50 To 100, Add	*1.02*	
		For >100 To 300, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	11.66	1.09
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.67*	
		For Up To 20, Add	*3.95*	
		For >20 To 50, Add	*2.14*	
		For >50 To 100, Add	*1.07*	
		For >100 To 300, Add	*0.54*	
09 64 29 00-0011		Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*		
09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	11.52	1.09
		For Factory Finish, Add	*0.51*	
		For Random Width Floor, Add	*2.56*	
		For Up To 20, Add	*4.60*	
		For >20 To 50, Add	*2.43*	
		For >50 To 100, Add	*1.21*	
		For >100 To 300, Add	*0.61*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	12.17	1.09
		For Factory Finish, Add	*0.58*	
		For Random Width Floor, Add	*2.72*	
		For Up To 20, Add	*4.70*	
		For >20 To 50, Add	*2.49*	
		For >50 To 100, Add	*1.25*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	13.16	1.09
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.97*	
		For Up To 20, Add	*4.85*	
		For >20 To 50, Add	*2.59*	
		For >50 To 100, Add	*1.30*	
		For >100 To 300, Add	*0.65*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	10.24	1.09
		For Factory Finish, Add	*0.54*	
		For Random Width Floor, Add	*2.32*	
		For Up To 20, Add	*3.73*	
		For >20 To 50, Add	*2.00*	
		For >50 To 100, Add	*1.00*	
		For >100 To 300, Add	*0.50*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	10.89	1.09
		For Factory Finish, Add	*0.60*	
		For Random Width Floor, Add	*2.48*	
		For Up To 20, Add	*3.83*	
		For >20 To 50, Add	*2.07*	
		For >50 To 100, Add	*1.03*	
		For >100 To 300, Add	*0.52*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	11.77	1.09
		For Factory Finish, Add	*0.69*	
		For Random Width Floor, Add	*2.70*	
		For Up To 20, Add	*3.96*	
		For >20 To 50, Add	*2.15*	
		For >50 To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
09 64 29 00-0018		Unfinished Maple, Wood Strip Flooring *(09 64 29)*		
09 64 29 00-0019		25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*		
09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.92	1.09
		For Factory Finish, Add	*0.75*	
		For Random Width Floor, Add	*3.16*	
		For Up To 20, Add	*4.96*	
		For >20 To 50, Add	*2.67*	
		For >50 To 100, Add	*1.33*	
		For >100 To 300, Add	*0.67*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.83	1.09
		For Factory Finish, Add	*0.65*	
		For Random Width Floor, Add	*2.89*	
		For Up To 20, Add	*4.80*	
		For >20 To 50, Add	*2.56*	
		For >50 To 100, Add	*1.28*	
		For >100 To 300, Add	*0.64*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	12.86	1.09
		For Factory Finish, Add	*0.80*	
		For Random Width Floor, Add	*2.97*	
		For Up To 20, Add	*4.13*	
		For >20 To 50, Add	*2.26*	
		For >50 To 100, Add	*1.13*	
		For >100 To 300, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.77	1.09
		For Factory Finish, Add	*0.69*	
		For Random Width Floor, Add	*2.70*	
		For Up To 20, Add	*3.96*	
		For >20 To 50, Add	*2.15*	
		For >50 To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.28	1.09
		For Factory Finish, Add	*0.99*	
		For Random Width Floor, Add	*3.75*	
		For Up To 20, Add	*5.31*	
		For >20 To 50, Add	*2.90*	
		For >50 To 100, Add	*1.45*	
		For >100 To 300, Add	*0.73*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.82	1.09
		For Factory Finish, Add	*0.84*	
		For Random Width Floor, Add	*3.39*	
		For Up To 20, Add	*5.09*	
		For >20 To 50, Add	*2.76*	
		For >50 To 100, Add	*1.38*	
		For >100 To 300, Add	*0.69*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.37	1.09
		For Factory Finish, Add	*1.05*	
		For Random Width Floor, Add	*3.60*	
		For Up To 20, Add	*4.50*	
		For >20 To 50, Add	*2.51*	
		For >50 To 100, Add	*1.26*	
		For >100 To 300, Add	*0.63*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.91	1.09
		For Factory Finish, Add	*0.90*	
		For Random Width Floor, Add	*3.23*	
		For Up To 20, Add	*4.28*	
		For >20 To 50, Add	*2.37*	
		For >50 To 100, Add	*1.18*	
		For >100 To 300, Add	*0.59*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	16.95	1.09
		For Up To 20, Add	*4.46*	
		For >20 To 50, Add	*2.55*	
		For >50 To 100, Add	*1.27*	
		For >100 To 300, Add	*0.64*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	16.95	1.09
		For Up To 20, Add	*4.46*	
		For >20 To 50, Add	*2.55*	
		For >50 To 100, Add	*1.27*	
		For >100 To 300, Add	*0.64*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	16.39	1.09
		For Up To 20, Add	*4.37*	
		For >20 To 50, Add	*2.49*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	16.81	1.09
		For Up To 20, Add	*4.43*	
		For >20 To 50, Add	*2.53*	
		For >50 To 100, Add	*1.27*	
		For >100 To 300, Add	*0.63*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	16.05	5.43
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	19.41	5.64
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)	21.51	7.05
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)	22.86	7.05
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)	25.84	7.05
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)	24.49	7.05
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)	27.45	7.05
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.04	1.11
		For Up To 20, Add	*1.49*	
		For >20 To 40, Add	*0.85*	
		For >40 To 80, Add	*0.31*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.44*	
09 65 13 13-0003	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.73	1.11
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.36*	
		For >960, Deduct	*-0.54*	
09 65 13 13-0004	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.21	1.11
		For Up To 20, Add	*1.82*	
		For >20 To 40, Add	*1.06*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.77*	

09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0006	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.48	1.11
		For Up To 20, Add	*1.56*	
		For >20 To 40, Add	*0.89*	
		For >40 To 80, Add	*0.33*	
		For >240 To 960, Deduct	*-0.34*	
		For >960, Deduct	*-0.51*	
09 65 13 13-0007	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.00	1.11
		For Up To 20, Add	*1.63*	
		For >20 To 40, Add	*0.94*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.58*	
09 65 13 13-0008	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.44	1.11
		For Up To 20, Add	*1.85*	
		For >20 To 40, Add	*1.09*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.53*	
		For >960, Deduct	*-0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0009	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.46	1.11
		For Up To 20, Add	*2.15*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.74*	
		For >960, Deduct	*-1.10*	
09 65 13 13-0010	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.90	1.11
		For Up To 20, Add	*2.22*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.56*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	
09 65 13 13-0011	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.16	1.11
		For Up To 20, Add	*2.56*	
		For >20 To 40, Add	*1.56*	
		For >40 To 80, Add	*0.67*	
		For >240 To 960, Deduct	*-1.01*	
		For >960, Deduct	*-1.51*	
09 65 13 13-0012	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	15.65	1.11
		For Up To 20, Add	*3.23*	
		For >20 To 40, Add	*2.01*	
		For >40 To 80, Add	*0.89*	
		For >240 To 960, Deduct	*-1.45*	
		For >960, Deduct	*-2.18*	

09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0014	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.05	1.33
		For Up To 20, Add	*1.64*	
		For >20 To 40, Add	*0.95*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.59*	
09 65 13 13-0015	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.08	1.11
		For Up To 20, Add	*1.65*	
		For >20 To 40, Add	*0.95*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.40*	
		For >960, Deduct	*-0.60*	
09 65 13 13-0016	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.61	1.33
		For Up To 20, Add	*2.21*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.94*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	15.54	1.77
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	16.68	1.90
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	20.31	2.03
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	14.62	1.77
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	15.40	1.90
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	18.95	2.04
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	8.53	1.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	26.01	1.64
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	31.23	1.77
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	33.85	1.99
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	17.37	1.61
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	19.21	1.77
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	23.26	1.91
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	9.54	1.07
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.70	0.89
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.66	0.89
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.11	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	2.35	0.80
		For >240 To 960, Deduct	*-0.18*	
		For >960, Deduct	*-0.27*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	2.08	0.80
		For >240 To 960, Deduct	*-0.15*	
		For >960, Deduct	*-0.23*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.77	0.80
		For >240 To 960, Deduct	*-0.12*	
		For >960, Deduct	*-0.18*	
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	2.99	1.11
		For Up To 20, Add	*1.16*	
		For >20 To 40, Add	*0.65*	
		For >40 To 80, Add	*0.24*	
		For >240 To 960, Deduct	*-0.21*	
		For >960, Deduct	*-0.32*	
09 65 13 36-0006		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	3.77	1.11
		For Up To 20, Add	*1.27*	
		For >20 To 40, Add	*0.73*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.43*	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	3.77	1.11
		For Up To 20, Add	*1.27*	
		For >20 To 40, Add	*0.73*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.43*	
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	4.66	1.11
		For Up To 20, Add	*1.41*	
		For >20 To 40, Add	*0.82*	
		For >40 To 80, Add	*0.32*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.57*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	7.82	1.11
		For Up To 20, Add	*1.88*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.69*	
		For >960, Deduct	*-1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	7.84	1.11
		For Up To 20, Add	*1.88*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.04*	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	5.13	1.11
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.64*	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	7.61	1.11
		For Up To 20, Add	*1.85*	
		For >20 To 40, Add	*1.12*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.67*	
		For >960, Deduct	*-1.01*	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	7.90	1.11
		For Up To 20, Add	*1.89*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.05*	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	6.62	1.11
		For Up To 20, Add	*1.70*	
		For >20 To 40, Add	*1.02*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.57*	
		For >960, Deduct	*-0.86*	
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	7.25	1.11
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.08*	
		For >40 To 80, Add	*0.45*	
		For >240 To 960, Deduct	*-0.64*	
		For >960, Deduct	*-0.95*	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	7.90	1.11
		For Up To 20, Add	*1.89*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.05*	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	6.50	1.11
		For Up To 20, Add	*1.68*	
		For >20 To 40, Add	*1.00*	
		For >40 To 80, Add	*0.41*	
		For >240 To 960, Deduct	*-0.56*	
		For >960, Deduct	*-0.84*	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	5.47	1.11
		For Up To 20, Add	*1.53*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.46*	
		For >960, Deduct	*-0.69*	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	8.12	1.11
		For Up To 20, Add	*1.93*	
		For >20 To 40, Add	*1.17*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.72*	
		For >960, Deduct	*-1.09*	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	10.51	1.11
		For Up To 20, Add	*2.28*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.61*	
		For >240 To 960, Deduct	*-0.96*	
		For >960, Deduct	*-1.44*	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	5.31	1.11
		For Up To 20, Add	*1.50*	
		For >20 To 40, Add	*0.89*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	5.39	1.11
		For Up To 20, Add	*1.52*	
		For >20 To 40, Add	*0.89*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.68*	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	6.14	1.11
		For Up To 20, Add	*1.63*	
		For >20 To 40, Add	*0.97*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.53*	
		For >960, Deduct	*-0.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16		**Resilient Sheet Flooring** *(09 65)*		
		Note: Includes mastic and cleaning floor after installation is complete.		
09 65 16 23		**Vinyl Sheet Flooring** *(09 65 16)*		
09 65 16 23-0001		Vinyl Sheet Flooring *(09 65 16 23)*		
		Note: For flash cove application, add additional square foot of material to form cove base.		
09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.05	0.66
		For Up To 40, Add	*3.97*	
		For >40 To 100, Add	*1.98*	
		For >1,000, Deduct	*-0.97*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	8.97	0.66
		For Up To 40, Add	*3.55*	
		For >40 To 100, Add	*1.77*	
		For >1,000, Deduct	*-0.76*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	5.74	0.66
		For Up To 40, Add	*2.90*	
		For >40 To 100, Add	*1.45*	
		For >1,000, Deduct	*-0.44*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	7.55	0.66
		For Up To 40, Add	*3.27*	
		For >40 To 100, Add	*1.63*	
		For >1,000, Deduct	*-0.62*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	10.21	0.66
		For Up To 40, Add	*3.80*	
		For >40 To 100, Add	*1.90*	
		For >1,000, Deduct	*-0.89*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	14.23	0.66
		For Up To 40, Add	*4.60*	
		For >40 To 100, Add	*2.30*	
		For >1,000, Deduct	*-1.29*	
09 65 16 23-0008		Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*		
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam		
09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	6.32	
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	6.76	
09 65 16 23-0011		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*		
		Note: Excludes heat welding.		
09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	14.76	
09 65 16 23-0013		Vinyl Sheet Flooring Accessories *(09 65 16 23)*		
09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	4.16	
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	3.70	
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	5.78	
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	2.80	
09 65 19		**Resilient Tile Flooring** *(09 65)*		
		Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19		**Vinyl Composition Tile Flooring** *(09 65 19)*		
09 65 19 19-0001		Vinyl Composition Tile (VCT) *(09 65 19 19)*		
		Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	3.79	1.33
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.21*	
		For >6,000, Deduct	*-0.38*	
		For 3/32" Thick, Deduct	*-0.22*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	3.65	1.33
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.20*	
		For >6,000, Deduct	*-0.37*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	3.65	1.33
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.20*	
		For >6,000, Deduct	*-0.37*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	5.57	1.33
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.48*	
		For Extra Stock, Material Only, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	5.59	1.33
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.48*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	5.96	1.33
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.51*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	6.02	1.33
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.51*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	6.25	1.33
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.52*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	8.35	1.33
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.65*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	9.17	1.33
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.70*	
		For Extra Stock, Material Only, Deduct	*-1.56*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	18.25	1.33
		For >1,000 To 3,000, Deduct	*-0.38*	
		For >3,000 To 6,000, Deduct	*-0.83*	
		For >6,000, Deduct	*-1.34*	
		For Extra Stock, Material Only, Deduct	*-2.63*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Soild Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	13.81	1.33
		For Up To 20, Add	*3.18*	
		For >20 To 40, Add	*1.94*	
		For >40 To 80, Add	*0.83*	
		For >1,000 To 3,000, Deduct	*-0.29*	
		For >3,000 To 6,000, Deduct	*-0.65*	
		For >6,000, Deduct	*-1.08*	
		For Extra Stock, Material Only, Deduct	*-2.63*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	10.06	1.33
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.62*	
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.48*	
		For >6,000, Deduct	*-0.81*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	10.35	1.33
		For Up To 20, Add	*2.46*	
		For >20 To 40, Add	*1.49*	
		For >40 To 80, Add	*0.63*	
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.49*	
		For >6,000, Deduct	*-0.82*	
09 65 19 23-0005	SF	1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	10.55	1.33
		For Up To 20, Add	*2.49*	
		For >20 To 40, Add	*1.51*	
		For >40 To 80, Add	*0.64*	
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.50*	
		For >6,000, Deduct	*-0.84*	

09 65 19 23-0006 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0007	SF	2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	13.98	1.33
		For Up To 20, Add	*3.00*	
		For >20 To 40, Add	*1.85*	
		For >40 To 80, Add	*0.81*	
		For >1,000 To 3,000, Deduct	*-0.29*	
		For >3,000 To 6,000, Deduct	*-0.64*	
		For >6,000, Deduct	*-1.04*	
09 65 19 23-0008	SF	5mm Thick, Luxury Vinyl Tile (LVT) ((Shaw Contract BRUSHWOOD 08765 & COMMINGLE 04350V)	19.27	1.33
		For Up To 20, Add	*3.79*	
		For >20 To 40, Add	*2.38*	
		For >40 To 80, Add	*1.08*	
		For >1,000 To 3,000, Deduct	*-0.40*	
		For >3,000 To 6,000, Deduct	*-0.85*	
		For >6,000, Deduct	*-1.36*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	22.87	0.80
		For Up To 100, Add	*1.23*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	27.78	0.89
		For Up To 100, Add	*1.48*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	30.83	1.07
		For Up To 100, Add	*1.65*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*
Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	8.89	1.33
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.41*	
		For >6,000, Deduct	*-0.68*	
		For Extra Stock, Material Only, Deduct	*-1.56*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	6.58	1.33
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.54*	
		For Extra Stock, Material Only, Deduct	*-1.56*	

09 65 23 Resilient Plank Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 23 00-0001 Vinyl Plank Flooring *(09 65 23)*

09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	8.22	0.66
		For Up To 40, Add	*3.40*	
		For >40 To 100, Add	*1.70*	
		For >1,000, Deduct	*-0.69*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	10.43	0.66
		For Up To 40, Add	*3.84*	
		For >40 To 100, Add	*1.92*	
		For >1,000, Deduct	*-0.91*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	11.80	0.66
		For Up To 40, Add	*4.12*	
		For >40 To 100, Add	*2.06*	
		For >1,000, Deduct	*-1.05*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	6.92	1.33
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.23	0.66
		For 3.2mm Thickness, Add	*0.78*	
		For 2mm Thickness, Deduct	*-0.37*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	6.33	

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	7.56	0.62
		For Colors, Add	*1.33*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	8.78	0.78
		For Colors, Add	*1.53*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	10.11	1.24
		For Colors, Add	*1.67*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	14.75	1.50
		For Colors, Add	*2.52*	
09 65 66 00-0006		**Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles** *(09 65 66)*		
09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	40.88	0.62
		For Colors, Add	*5.00*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	59.22	0.62
		For Colors, Add	*7.29*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	43.19	0.62
		For Colors, Add	*5.29*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	53.18	0.62
		For Colors, Add	*6.54*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	44.42	0.62
		For Colors, Add	*5.44*	
09 65 66 00-0012		**Sheet Goods For Gym** *(09 65 66)*		
09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.03	2.66
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	23.32	2.75
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.50	2.83
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	4.93	2.16
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	5.53	2.48
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	6.39	2.66
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	7.02	2.83
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	7.44	3.01
09 65 66 00-0021		**Polyurethane Floor Systems** *(09 65 66)*		
		See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	22.93	1.77

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001		**Floors Not Bonded To Concrete** *(09 66 13 13)*		
		Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	29.85	2.90
		For Venetian Type Terrazzo, Add	*7.18*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.18*	
		For Colors, Add	*3.59*	
		For Up To 100, Add	*7.63*	
		For >100 To 250, Add	*3.82*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	29.99	2.90
		For Venetian Type Terrazzo, Add	*7.25*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.25*	
		For Colors, Add	*3.63*	
		For Up To 100, Add	*7.65*	
		For >100 To 250, Add	*3.82*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001		**Monolithic Terrazzo** *(09 66 13 16)*		
09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	16.09	2.90
		Note: Including Mesh And Felt		
		For Venetian Type Terrazzo, Add	*5.23*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.23*	
		For Colors, Add	*2.62*	
		For Up To 100, Add	*3.30*	
		For >100 To 250, Add	*1.65*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001		**Floors Bonded To Concrete** *(09 66 13 19)*		
		Note: 1-3/4" Thick - 5/8" topping.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	23.75	2.90
		For Venetian Type Terrazzo, Add	*5.93*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.93*	
		For Colors, Add	*2.96*	
		For Up To 100, Add	*5.95*	
		For >100 To 250, Add	*2.97*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	23.89	2.90
		For Venetian Type Terrazzo, Add	*6.00*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.00*	
		For Colors, Add	*3.00*	
		For Up To 100, Add	*5.96*	
		For >100 To 250, Add	*2.98*	
09 66 13 19-0004		Terrazzo Wainscot *(09 66 13 19)*		
09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	33.46	3.87
		For Venetian Type Terrazzo, Add	*3.84*	
09 66 13 19-0006		Terrazzo Base *(09 66 13 19)*		
09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	31.03	2.57
		For Venetian Type Terrazzo, Add	*8.37*	
09 66 13 19-0008		Terrazzo Curb *(09 66 13 19)*		
09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	79.50	17.16
		For Venetian Type Terrazzo, Add	*11.16*	
09 66 13 19-0010		Stairs Cast In Place *(09 66 13 19)*		
		Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	34.41	5.80
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	86.99	19.34
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	34.83	5.80
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0014		Divider Strips *(09 66 13 19)*		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.76	0.97
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.12	0.97
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.68	0.97
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	16.25	0.97
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.40	0.97
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	9.90	0.97
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	5.80	0.97
09 66 16		**Terrazzo Floor Tile** *(09 66)*		
09 66 16 13		**Portland Cement Terrazzo Floor Tile** *(09 66 16)*		
09 66 16 13-0001		Flooring Tiles *(09 66 16 13)*		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		Terrazzo Tiles With Non-Slip Surface *(09 66 16 13-0001)*		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	27.55	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	27.89	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	32.10	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	33.96	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	35.09	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0008		Terrazzo Tile Thin Set *(09 66 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	27.10	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	28.74	2.77
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0011		**Thin Set Terrazzo Wainscot** *(09 66 16 13-0001)*		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	39.68	5.14
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	45.28	5.14
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0014		**Thin Set Terrazzo Base, Gray Cement** *(09 66 16 13-0001)*		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	13.22	2.57
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	14.73	2.57
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	15.38	2.57
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	16.14	2.57
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0019		**Terrazzo Curbs** *(09 66 16 13-0001)*		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	26.69	3.44
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	25.94	3.44
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		**Precast Terrazzo Stair Treads 12" Wide** *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	63.54	3.44
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	54.44	3.44
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	48.37	3.44
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	56.61	3.44
09 66 16 13-0027		**Stair Risers, 1" Thick To 6" High, Straight** *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	28.92	2.57
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	33.47	2.57
09 66 16 13-0030		**Stair Risers, 1" Thick To 6" High, Curved** *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	42.44	2.57
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	45.47	2.57
09 66 16 13-0033		**Tread And Riser** *(09 66 16 13)*		
09 66 16 13-0034		**Stair Stringers, Notched For Treads And Risers** *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	71.22	6.86
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	85.93	6.86
09 66 16 13-0037		**Structural Non-Slip Landings** *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	51.22	3.44
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	62.95	3.44
09 66 16 13-0040		**Combined Tread And Riser** *(09 66 16 13-0033)*		
09 66 16 13-0041		**Straight Sections** *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	111.33	6.86
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	132.56	6.86
09 66 16 13-0044		**Curved Sections** *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	139.31	6.86
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	175.71	6.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	22.39	2.90
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial	22.05	4.29
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial	40.02	4.29
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial	16.87	4.29
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial	28.86	4.29
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	18.87	4.29
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	36.08	4.29
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	27.29	4.29
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	31.03	4.29
09 67		**Fluid-Applied Flooring** *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		Epoxy Marble Chip Flooring *(09 67 16)*		
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	17.38	2.90
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	18.60	2.90
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
09 67 23		**Resinous Flooring** *(09 67)*		
09 67 23 00-0001		Epoxy Resin Flooring *(09 67 23)*		
		Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002	SF	3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	12.44	6.57
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.34*	
		For >500 To 1,000, Add	*1.48*	
		For >1,000 To 2,000, Add	*0.74*	
		For >10,000, Deduct	*-0.82*	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	18.11	6.57
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
		For Up To 500, Add	*3.75*	
		For >500 To 1,000, Add	*2.33*	
		For >1,000 To 2,000, Add	*1.16*	
		For >10,000, Deduct	*-1.10*	
09 67 23 00-0004	SF	1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	14.89	7.35
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.76*	
		For >500 To 1,000, Add	*1.75*	
		For >1,000 To 2,000, Add	*0.88*	
		For >10,000, Deduct	*-0.99*	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	21.39	7.35
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.12*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.12*	
		For Up To 500, Add	*4.38*	
		For >500 To 1,000, Add	*2.73*	
		For >1,000 To 2,000, Add	*1.36*	
		For >10,000, Deduct	*-1.31*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0006		SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	16.80	8.22
			For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
			For Up To 500, Add	*3.13*	
			For >500 To 1,000, Add	*1.98*	
			For >1,000 To 2,000, Add	*0.99*	
			For >10,000, Deduct	*-1.11*	
09 67 23 00-0007		SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	23.70	8.22
			For Skid Resistant Abrasive Sand Finish, Add	*0.13*	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.13*	
			For Up To 500, Add	*4.85*	
			For >500 To 1,000, Add	*3.02*	
			For >1,000 To 2,000, Add	*1.51*	
			For >10,000, Deduct	*-1.45*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*
Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Patterned Carpet Tiles (Shaw) *(09 68 13 00-0001)*

09 68 13 00-0003 15 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0004		SY	COMPANION STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.55	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0005		SY	CORRESPOND STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.55	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0006		SY	PARTNER STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.55	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0007		SY	CENTRIC ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.13	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0008		SY	SURROUND ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.13	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0009		SY	GLAZE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.82	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0010		SY	TRANSPARENT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.34	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0011		SY	CLEAR ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.32	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0012		SY	DIRECTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.11	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0013		SY	REVERSE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.11	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0014		SY	SHAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.11	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0015		SY	ARRANGE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	38.07	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0016		SY	ARRAY STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	38.07	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0017		SY	OFFSET STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	38.07	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0018		SY	STRUCTURE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	38.07	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0019		SY	POURED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	44.82	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0020		SY	STACKED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	44.82	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0021		SY	COMMONS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.05	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0022		SY	MAKERSPACE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.05	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0023		SY	QUAD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.05	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0024		SY	DIFFUSE 24" X 24" ECOLOGIX® 15 Ounce, Patterned, Nylon Carpet Tile	50.28	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0025		SY	DIFFUSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.03	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0026		SY	DISPERSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.03	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0027		SY	DISPERSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.80	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0028		SY	DIFFUSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.18	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0029		SY	INFINITE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.90	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0030		SY	VAST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.90	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0031		SY	TANGLE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.78	5.33
			For Cushioned Backed Tile, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0032	SY	TEMPT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.78	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0033	SY	ENGAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.21	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0034	SY	THINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.21	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0035	SY	DIFFUSE 24" X 24" ECOLOGIX® ES 15 Ounce, Patterned, Nylon Carpet Tile	54.36	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0036	SY	SCAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0037	SY	REALM ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.99	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0038	SY	SEA ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.84	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0039	SY	SEA EDGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.84	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0040	SY	SKY ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.84	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0041	SY	CENTRAL LINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.50	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0042	SY	CITY CENTRAL ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.50	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0043	SY	BOUNDLESS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.34	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0044	SY	SOURCE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.34	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0045	SY	UNDERTONE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	49.42	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0046	SY	HYBRID ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.90	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0047	SY	CATALYST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.90	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0048	SY	EMBARK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.61	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0049	SY	TINGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.13	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0050	SY	IMPACT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.66	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0051	SY	ALLURE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.14	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0052	SY	GLIMMER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.14	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0053	SY	SHINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.14	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0054	SY	BASALT II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.53	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0055	SY	FAULT LINES II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.53	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0056	SY	GRAVEL II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.53	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0057	SY	PAVERS II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.53	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0058	SY	CONNECT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.83	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0059	SY	FIELD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.08	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0060	SY	BYLINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.55	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0061	SY	COLOR FORM 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.29	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0062	SY	LINAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0063	SY	LINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0064	SY	BALANCE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	60.42	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0065	SY	FOCUS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	60.87	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0066	SY	WANDER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	58.83	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0067	SY	EMOTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	59.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0068	SY	STRAIGHTFORWARD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	60.64	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0069		18 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*		
09 68 13 00-0070	SY	BELONG ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	45.87	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0071	SY	EASE 9" X 36" ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile	49.87	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0072	SY	INTERLUDE ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile	49.87	5.33
		For Cushioned Backed Tile, Add	*3.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0073		SY	CHALET 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	50.55	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0074		SY	ANALOG 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.86	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0075		SY	DISTORT 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.86	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0076		SY	FRINGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.63	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0077		SY	GLITCH 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.86	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0078		SY	HAZE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.63	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0079		SY	MANIPULATE 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.86	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0080		SY	VAPOR ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.63	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0081		SY	CONSTRUCT ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.38	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0082		SY	COPY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.38	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0083		SY	ROTATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.38	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0084		SY	ACHROMATIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.36	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0085		SY	DUOTONE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.37	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0086		SY	SATURATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.37	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0087		SY	VALUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.37	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0088		SY	KINETIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	63.70	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0089		SY	IGNITE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	64.20	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0090		SY	STILL ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile (DELETE)	64.20	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0091		SY	MERGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	65.33	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0092		SY	MINIMAL ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	65.33	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0093		SY	DREAM ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	46.25	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0094		SY	MEMORY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	46.53	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0095		SY	CAPTIVATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	54.58	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0096		SY	INTRIGUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.19	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0097		SY	MIRROR IMAGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.37	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0098		SY	PRISMA ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.59	5.33
			For Cushioned Backed Tile, Add	*3.86*	

09 68 13 00-0099 20 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0100		SY	AWARE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	52.99	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0101		SY	CONSCIOUS 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.12	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0102		SY	INTENTION 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	52.75	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0103		SY	PRESENT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	52.99	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0104		SY	MOMENTUM IV ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	50.24	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0105		SY	GRADIENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	55.56	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0106		SY	PETO II 20 ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.48	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0107		SY	FLAT WEAVE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.29	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0108		SY	HEDDLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.29	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0109		SY	CONVENE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.14	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0110		SY	ESTABLISH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.14	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0111		SY	SUPPORT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.14	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0112		SY	AWARE 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.88	5.33
			For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0113		SY	CONSCIOUS 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.48	5.33
			For Cushioned Backed Tile, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0114	SY	INTENTION 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.66	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0115	SY	PRESENT 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0116	SY	DASH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	59.37	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0117	SY	TRACK ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	59.37	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0118	SY	TURN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	59.37	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0119	SY	AUGMENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	56.26	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0120	SY	HYPE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	56.26	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0121	SY	SCULPT LOOP ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.64	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0122	SY	ALIGN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.10	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0123	SY	SCULPT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.10	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0124	SY	TRACE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.10	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0125	SY	ABSORBED ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.25	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0126	SY	VISIBLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.25	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0127	SY	VIBRANT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.15	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0128	SY	FINE POINT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0129	SY	LINEWEIGHT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0130	SY	STIPPLE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0131	SY	CHROMA ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile (DELETE)	65.46	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0132	SY	SPECTRUM ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile (DELETE)	66.89	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0133		22 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*		
09 68 13 00-0134	SY	REPARTEE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	54.78	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0135	SY	ENDLESS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0136	SY	OBSERVE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0137	SY	RESPOND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0138	SY	TRANSFORM ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0139	SY	CHARISMA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	57.24	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0140	SY	APPLIED ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	60.48	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0141	SY	DWELLING ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.18	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0142	SY	SHELTER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.18	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0143	SY	EMBELLISH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	64.61	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0144	SY	BIAS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0145	SY	KASURI ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0146	SY	MESH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0147	SY	FILTER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile (DELETE)	65.38	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0148	SY	MIGRATE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile (DELETE)	65.38	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0149	SY	NUANCE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile (DELETE)	65.38	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0150	SY	ACTIVITY ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.21	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0151	SY	REST ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	66.40	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0152	SY	UNWIND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	66.40	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0153	SY	INTERACT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	66.67	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0154	SY	PAUSE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	67.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0155	SY	STEP ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile (DELETE)	67.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0156	SY	VANTAGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	67.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0157	SY	DRIFT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	68.87	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0158	SY	EXPAND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	68.59	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0159	SY	AGATE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	69.78	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0160	SY	JASPER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	69.78	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0161	SY	MICA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	69.78	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0162	SY	QUARTZ ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	69.78	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0163	SY	ABSTRACT EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile (DELETE)	72.10	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0164	SY	VERTICAL EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	72.10	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0165	SY	HORIZONTAL EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile (DELETE)	72.10	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0166		**24 Ounce, Patterned, Nylon Carpet Tile** *(09 68 13 00-0002)*		
09 68 13 00-0167	SY	CONSTELLATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	58.55	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0168	SY	OBSERVE COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.32	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0169	SY	RESPOND COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.32	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0170	SY	TRANSFORM COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.32	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0171	SY	FOUNDATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.67	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0172	SY	BLOX ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	59.93	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0173	SY	SITE LINES ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile (DELETE)	60.83	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0174	SY	BLISS ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile (DELETE)	62.36	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0175	SY	SERENITY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile (DELETE)	62.36	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0176	SY	TRANQUIL ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile (DELETE)	62.36	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0177	SY	KUSA ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.47	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0178	SY	BLOCK PRINT ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.26	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0179	SY	FADE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0180	SY	OVERLAY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0181	SY	BLUR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0182	SY	EXPOSE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0183	SY	UNCOVER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0184	SY	EXPLORE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.62	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0185	SY	LINGER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.87	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0186	SY	RENEW ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	68.62	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0187	SY	FOLDED ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	73.63	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0188	SY	FOLDED EDGE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	73.32	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0189	SY	IDENTITY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	79.21	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0190		**26 Ounce, Patterned, Nylon Carpet Tile** *(09 68 13 00-0002)*		
09 68 13 00-0191	SY	PETO II 26 ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	59.01	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0192	SY	BRILLIANCE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	63.30	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0193	SY	STRIKING ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile (DELETE)	59.45	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0194	SY	IMPRINT ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	67.16	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0195	SY	SKETCH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	67.32	5.33
		For Cushioned Backed Tile, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0196	SY	VEIL ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	67.32	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0197	SY	DISCOVER ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0198	SY	SEEK ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0199	SY	CITY GRID ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile (DELETE)	63.81	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0200	SY	BOTAN ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	65.46	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0201	SY	HANA ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	65.46	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0202	SY	RELIEF ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	68.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0203	SY	DEPTH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	77.26	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0204	SY	ANGLE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	78.04	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0205	SY	HONEST ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	79.21	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0206	SY	SLAB ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	79.69	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0207	SY	BASE HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	80.83	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0208	SY	COLOR SHIFT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	80.83	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0209	SY	CONTACT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	80.83	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0210	SY	BEVEL HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	93.60	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0211		28 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0092)*		
09 68 13 00-0212	SY	RICHE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	66.72	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0213	SY	PRAIRIE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile (DELETE)	66.85	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0214	SY	CORDED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	67.44	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0215	SY	PATH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.50	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0216	SY	PORTAL ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.50	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0217	SY	KNIT ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	72.94	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0218	SY	DECOR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0219	SY	CHAIN STITCH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	69.48	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0220	SY	AFFLUENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0221	SY	BACK WEAVE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	75.16	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0222	SY	EXCHANGE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	75.16	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0223	SY	KNOTTED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	75.16	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0224	SY	PROCESS ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	75.16	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0225	SY	CHECK ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.82	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0226	SY	HOUNDSTOOTH 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.82	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0227	SY	JACQUARD 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.82	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0228	SY	TEX28 Ounce, Patterned, Nylon Carpet Tile 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.82	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0229	SY	THE ECCENTRIC ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile (DELETE)	73.88	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0230	SY	BATIK 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	79.27	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0231	SY	IKAT 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	79.69	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0232	SY	LINEN 28 Ounce, Patterned, Nylon Carpet Tile ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	79.69	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0233	SY	THE SOCIALITE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile (DELETE)	74.95	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0234	SY	PRESENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	83.20	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0235	SY	STILL LIFE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	83.20	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0236	SY	FAMILIAR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	79.21	5.33
		For Cushioned Backed Tile, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0237	SY	HONED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	79.69	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0238	SY	FORM ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	87.28	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0239		**30 Ounce, Patterned, Nylon Carpet Tile** *(09 68 13 00-0002)*		
09 68 13 00-0240	SY	GLITZ ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	67.95	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0241	SY	LUMINOSITY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	69.12	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0242	SY	RADIANCE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	65.86	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0243	SY	TAPESTRY 18" X 36" ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	79.46	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0244	SY	BEYOND ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	86.96	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0245	SY	EXPANSE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	86.96	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0246	SY	ALCHEMY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	87.28	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0247	SY	CREATE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	88.92	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0248		**32 Ounce, Patterned, Nylon Carpet Tile** *(09 68 13 00-0002)*		
09 68 13 00-0249	SY	ENTWINE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	70.37	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0250	SY	INGRAIN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	71.11	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0251	SY	EARTH TONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	72.06	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0252	SY	REFLECT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	94.66	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0253	SY	RESURFACE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	75.91	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0254	SY	BLEND ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	82.51	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0255	SY	HINT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	82.51	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0256	SY	ORNATE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	83.13	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0257	SY	RETHREAD ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	83.13	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0258	SY	TECHNIQUE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	82.51	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0259	SY	VANISH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	82.51	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0260	SY	BON JOUR ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile (DELETE)	62.57	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0261	SY	ZONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.19	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0262	SY	DYE LAB ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	91.62	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0263	SY	DISSOLVE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile (DELETE)	82.80	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0264	SY	KIT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	99.27	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0265	SY	ARTISAN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	101.82	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0266	SY	CLOTH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	103.01	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0267	SY	PLAIN WEAVE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	95.84	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0268	SY	ADORN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile (DELETE)	87.37	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0269	SY	ENTREE ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	79.29	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0270	SY	WELCOME II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	77.31	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0271	SY	BON JOUR II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	79.29	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0272		**Non-Patterned Carpet Tiles (Shaw)** *(09 68 13 00-0001)*		
09 68 13 00-0273		**18 Ounce, Non-Patterned, Nylon Carpet Tile** *(09 68 13 00-0272)*		
09 68 13 00-0274	SY	COLOR FRAME ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile	54.75	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0275	SY	COLOR PLAY ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile	62.99	5.33
		For Cushioned Backed Tile, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0276		20 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*		
09 68 13 00-0277	SY	CURVE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.97	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0278	SY	DIAGONAL ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.97	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0279	SY	POINT ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.97	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0280	SY	SQUARE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.97	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0281	SY	ADVANCE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	59.37	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0282	SY	IMPRESSION I ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	65.56	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0283	SY	IMPRESSION II ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	65.56	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0284	SY	IMPRESSION III ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	65.56	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0285	SY	IMPRESSION IV ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	65.56	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0286		22 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*		
09 68 13 00-0287	SY	PLANE HEXAGON ECOWORX® 22 Ounce, Non-Patterned, Nylon Carpet Tile	83.13	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0288		24 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*		
09 68 13 00-0289	SY	NEST ECOWORX® 24 Ounce, Non-Patterned, Nylon Carpet Tile	61.18	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0290		30 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*		
09 68 13 00-0291	SY	TRU COLOURS ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	66.27	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0292	SY	COLOUR PLANK ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	73.58	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0293	SY	GRADATION ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	78.12	5.33
		For Cushioned Backed Tile, Add	*3.86*	
09 68 13 00-0294		ESD Static Control Carpet Tiles (Shaw StaticSmart) *(09 68 13 00-0001)*		
		Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0295		16-24 Ounce, Static Control, Nylon Carpet Tile (StaticSmart) *(09 68 13 00-0294)*		
09 68 13 00-0296	SY	DAILY PLANNER, Static Control, Nylon Carpet Carpet Tile	59.30	5.33
09 68 13 00-0297	SY	COLLABORATORS, Static Control, Nylon Carpet Carpet Tile	64.78	5.33
09 68 13 00-0298	SY	WORKSPACE, Static Control, Nylon Carpet Carpet Tile	59.41	5.33
09 68 13 00-0299	SY	LANDMARK SERIES, Static Control, Nylon Carpet Carpet Tile	62.91	5.33
09 68 13 00-0300	SY	LAN 4.1, Static Control, Nylon Carpet Carpet Tile	86.88	5.33
09 68 13 00-0301	SY	PRESIDENTIAL, Static Control, Nylon Carpet Carpet Tile	86.88	5.33
09 68 13 00-0302	SY	COLONIAL, Static Control, Nylon Carpet Carpet Tile	87.36	5.33
09 68 13 00-0303	SY	LAN 4.0, Static Control, Nylon Carpet Carpet Tile	103.55	5.33
09 68 13 00-0304	SY	DISCOVERY ECO, Static Control, Nylon Carpet Carpet Tile	85.22	5.33

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001		Carpet Cushion *(09 68 16)*		
09 68 16 00-0002		Carpet Padding *(09 68 16 00-0001)*		
09 68 16 00-0003		Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	17.12	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.26*	
		For >400 To 600, Deduct	*-0.39*	
		For >600 To 900, Deduct	*-0.71*	
		For >900 To 1,500, Deduct	*-1.03*	
		For >1,500 To 2,200, Deduct	*-1.50*	
		For >2,200 To 3,500, Deduct	*-1.93*	
		For >3,500, Deduct	*-2.36*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	17.88	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.75*	
		For >900 To 1,500, Deduct	*-1.08*	
		For >1,500 To 2,200, Deduct	*-1.58*	
		For >2,200 To 3,500, Deduct	*-2.03*	
		For >3,500, Deduct	*-2.47*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0006		Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0007	SY	1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	10.51	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.38*	
		For >900 To 1,500, Deduct	*-0.57*	
		For >1,500 To 2,200, Deduct	*-0.84*	
		For >2,200 To 3,500, Deduct	*-1.10*	
		For >3,500, Deduct	*-1.37*	
09 68 16 00-0008	SY	5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	11.04	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.41*	
		For >900 To 1,500, Deduct	*-0.60*	
		For >1,500 To 2,200, Deduct	*-0.89*	
		For >2,200 To 3,500, Deduct	*-1.17*	
		For >3,500, Deduct	*-1.45*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	8.58	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.13*	
		For >600 To 900, Deduct	*-0.28*	
		For >900 To 1,500, Deduct	*-0.43*	
		For >1,500 To 2,200, Deduct	*-0.65*	
		For >2,200 To 3,500, Deduct	*-0.86*	
		For >3,500, Deduct	*-1.08*	
09 68 16 00-0010	SY	3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	10.69	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.58*	
		For >1,500 To 2,200, Deduct	*-0.86*	
		For >2,200 To 3,500, Deduct	*-1.13*	
		For >3,500, Deduct	*-1.39*	
09 68 16 00-0011	SY	7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	10.69	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.58*	
		For >1,500 To 2,200, Deduct	*-0.86*	
		For >2,200 To 3,500, Deduct	*-1.13*	
		For >3,500, Deduct	*-1.39*	
09 68 16 00-0012	SY	7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	10.69	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.58*	
		For >1,500 To 2,200, Deduct	*-0.86*	
		For >2,200 To 3,500, Deduct	*-1.13*	
		For >3,500, Deduct	*-1.39*	
09 68 16 00-0013	SY	7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	11.94	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.45*	
		For >900 To 1,500, Deduct	*-0.67*	
		For >1,500 To 2,200, Deduct	*-0.98*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.58*	
09 68 16 00-0014	SY	1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	10.57	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.38*	
		For >900 To 1,500, Deduct	*-0.57*	
		For >1,500 To 2,200, Deduct	*-0.85*	
		For >2,200 To 3,500, Deduct	*-1.11*	
		For >3,500, Deduct	*-1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0015	SY	1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	10.98	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.20*	
		For >600 To 900, Deduct	*-0.40*	
		For >900 To 1,500, Deduct	*-0.60*	
		For >1,500 To 2,200, Deduct	*-0.89*	
		For >2,200 To 3,500, Deduct	*-1.16*	
		For >3,500, Deduct	*-1.44*	
09 68 16 00-0016	SY	1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	12.46	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.25*	
		For >600 To 900, Deduct	*-0.48*	
		For >900 To 1,500, Deduct	*-0.70*	
		For >1,500 To 2,200, Deduct	*-1.04*	
		For >2,200 To 3,500, Deduct	*-1.35*	
		For >3,500, Deduct	*-1.66*	
09 68 16 00-0017		Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0018	SY	0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding	18.27	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.28*	
		For >400 To 600, Deduct	*-0.42*	
		For >600 To 900, Deduct	*-0.77*	
		For >900 To 1,500, Deduct	*-1.11*	
		For >1,500 To 2,200, Deduct	*-1.62*	
		For >2,200 To 3,500, Deduct	*-2.07*	
		For >3,500, Deduct	*-2.53*	
09 68 16 00-0019	SY	0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding	20.45	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.33*	
		For >400 To 600, Deduct	*-0.49*	
		For >600 To 900, Deduct	*-0.88*	
		For >900 To 1,500, Deduct	*-1.26*	
		For >1,500 To 2,200, Deduct	*-1.84*	
		For >2,200 To 3,500, Deduct	*-2.35*	
		For >3,500, Deduct	*-2.86*	
09 68 16 00-0020	SY	0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding	22.13	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-0.96*	
		For >900 To 1,500, Deduct	*-1.38*	
		For >1,500 To 2,200, Deduct	*-2.00*	
		For >2,200 To 3,500, Deduct	*-2.56*	
		For >3,500, Deduct	*-3.11*	
09 68 16 00-0021		Waffle Rubber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0022	SY	3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	21.04	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.34*	
		For >400 To 600, Deduct	*-0.51*	
		For >600 To 900, Deduct	*-0.91*	
		For >900 To 1,500, Deduct	*-1.30*	
		For >1,500 To 2,200, Deduct	*-1.89*	
		For >2,200 To 3,500, Deduct	*-2.42*	
		For >3,500, Deduct	*-2.95*	
09 68 16 00-0023		Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0024	SY	0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding	12.58	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.25*	
		For >600 To 900, Deduct	*-0.48*	
		For >900 To 1,500, Deduct	*-0.71*	
		For >1,500 To 2,200, Deduct	*-1.05*	
		For >2,200 To 3,500, Deduct	*-1.36*	
		For >3,500, Deduct	*-1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0025	SY	0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding	13.48	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.53*	
		For >900 To 1,500, Deduct	*-0.78*	
		For >1,500 To 2,200, Deduct	*-1.14*	
		For >2,200 To 3,500, Deduct	*-1.48*	
		For >3,500, Deduct	*-1.81*	
09 68 16 00-0026	SY	0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding	14.14	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.20*	
		For >400 To 600, Deduct	*-0.30*	
		For >600 To 900, Deduct	*-0.56*	
		For >900 To 1,500, Deduct	*-0.82*	
		For >1,500 To 2,200, Deduct	*-1.20*	
		For >2,200 To 3,500, Deduct	*-1.56*	
		For >3,500, Deduct	*-1.91*	
09 68 16 00-0027	SY	0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	16.20	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.24*	
		For >400 To 600, Deduct	*-0.36*	
		For >600 To 900, Deduct	*-0.66*	
		For >900 To 1,500, Deduct	*-0.97*	
		For >1,500 To 2,200, Deduct	*-1.41*	
		For >2,200 To 3,500, Deduct	*-1.82*	
		For >3,500, Deduct	*-2.22*	
09 68 16 00-0028	SY	0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	16.38	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.24*	
		For >400 To 600, Deduct	*-0.37*	
		For >600 To 900, Deduct	*-0.67*	
		For >900 To 1,500, Deduct	*-0.98*	
		For >1,500 To 2,200, Deduct	*-1.43*	
		For >2,200 To 3,500, Deduct	*-1.84*	
		For >3,500, Deduct	*-2.25*	

09 68 16 00-0029 Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0030	SY	0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding	5.93	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.03*	
		For >400 To 600, Deduct	*-0.05*	
		For >600 To 900, Deduct	*-0.15*	
		For >900 To 1,500, Deduct	*-0.25*	
		For >1,500 To 2,200, Deduct	*-0.38*	
		For >2,200 To 3,500, Deduct	*-0.53*	
		For >3,500, Deduct	*-0.68*	
09 68 16 00-0031	SY	0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding	7.30	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.22*	
		For >900 To 1,500, Deduct	*-0.34*	
		For >1,500 To 2,200, Deduct	*-0.52*	
		For >2,200 To 3,500, Deduct	*-0.70*	
		For >3,500, Deduct	*-0.89*	
09 68 16 00-0032	SY	0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding	6.67	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.07*	
		For >600 To 900, Deduct	*-0.19*	
		For >900 To 1,500, Deduct	*-0.30*	
		For >1,500 To 2,200, Deduct	*-0.46*	
		For >2,200 To 3,500, Deduct	*-0.62*	
		For >3,500, Deduct	*-0.79*	
09 68 16 00-0033	SY	0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding	6.91	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.20*	
		For >900 To 1,500, Deduct	*-0.32*	
		For >1,500 To 2,200, Deduct	*-0.48*	
		For >2,200 To 3,500, Deduct	*-0.65*	
		For >3,500, Deduct	*-0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0034	SY	0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding	8.31	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.27*	
		For >900 To 1,500, Deduct	*-0.41*	
		For >1,500 To 2,200, Deduct	*-0.62*	
		For >2,200 To 3,500, Deduct	*-0.83*	
		For >3,500, Deduct	*-1.04*	
09 68 16 00-0035		Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0036	SY	0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding	8.74	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.29*	
		For >900 To 1,500, Deduct	*-0.44*	
		For >1,500 To 2,200, Deduct	*-0.66*	
		For >2,200 To 3,500, Deduct	*-0.88*	
		For >3,500, Deduct	*-1.10*	
09 68 16 00-0037	SY	0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding	9.83	2.77
		For Up To 15, Add	*0.84*	
		For >15 To 33, Add	*0.42*	
		For >200 To 400, Deduct	*-0.11*	
		For >400 To 600, Deduct	*-0.17*	
		For >600 To 900, Deduct	*-0.34*	
		For >900 To 1,500, Deduct	*-0.52*	
		For >1,500 To 2,200, Deduct	*-0.77*	
		For >2,200 To 3,500, Deduct	*-1.02*	
		For >3,500, Deduct	*-1.26*	
09 68 16 00-0038		Commercial Broadloom Carpet *(09 68 16)*		
		Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0039		Patterned Broadloom Carpet (Shaw) *(09 68 16 00-0038)*		
09 68 16 00-0040		20 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0041	SY	AMBITION III 20 CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	25.13	21.87
09 68 16 00-0042	SY	ESSENTIAL CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	33.16	21.87
09 68 16 00-0043	SY	PRIME CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	33.16	21.87
09 68 16 00-0044	SY	MODIFY CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	36.96	21.87
09 68 16 00-0045	SY	SWITCH CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	36.96	21.87
09 68 16 00-0046	SY	TRANSFER CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	36.96	21.87
09 68 16 00-0047	SY	SCRIBE CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	37.38	21.87
09 68 16 00-0048	SY	STYLUS CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	37.38	21.87
09 68 16 00-0049	SY	CONTE' ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet	47.99	21.87
09 68 16 00-0050	SY	ERASE ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet	47.99	21.87
09 68 16 00-0051	SY	CADENCE ECOWORX® PERFORMANCE 20 Ounce, Patterned, Nylon Broadloom Carpet	60.30	21.87
09 68 16 00-0052		22 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0053	SY	BIRCH CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	37.17	21.87
09 68 16 00-0054	SY	GROVE CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	37.17	21.87
09 68 16 00-0055	SY	SUMMIT CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	37.17	21.87
09 68 16 00-0056	SY	HIT THE BOOKS ULTRLOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	40.82	21.87
09 68 16 00-0057	SY	LAYER ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	43.27	21.87
09 68 16 00-0058	SY	DIMENSION ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	40.99	21.87
09 68 16 00-0059	SY	CHARISMA ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	44.51	21.87
09 68 16 00-0060	SY	AMPLIFY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	48.46	21.87
09 68 16 00-0061	SY	HIT THE BOOKS ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	45.95	21.87
09 68 16 00-0062	SY	ILLUMINATE ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	48.46	21.87
09 68 16 00-0063	SY	EFFECT ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	48.20	21.87
09 68 16 00-0064	SY	FAÇADE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	50.60	21.87
09 68 16 00-0065	SY	INLAY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	48.20	21.87
09 68 16 00-0066	SY	COLLAGE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	52.80	21.87
09 68 16 00-0067		24 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0068	SY	ASSOCIATE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	34.01	21.87
09 68 16 00-0069	SY	FOSSIL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	34.83	21.87
09 68 16 00-0070	SY	TERRA CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	34.83	21.87
09 68 16 00-0071	SY	ECLECTIC CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	36.88	21.87
09 68 16 00-0072	SY	MELD CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.44	21.87
09 68 16 00-0073	SY	STAY ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.22	21.87
09 68 16 00-0074	SY	REMINISCE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	36.18	21.87
09 68 16 00-0075	SY	CONTOUR CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	36.36	21.87
09 68 16 00-0076	SY	OUTLINE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	36.36	21.87
09 68 16 00-0077	SY	FLICKER CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.05	21.87
09 68 16 00-0078	SY	FLARE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.72	21.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0079	SY	TONE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.62	21.87
09 68 16 00-0080	SY	TINT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	38.41	21.87
09 68 16 00-0081	SY	BLOG ULTRLOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	40.73	21.87
09 68 16 00-0082	SY	BLOG CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.73	21.87
09 68 16 00-0083	SY	KUSA ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	49.35	21.87
09 68 16 00-0084	SY	ENGRAVE ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	66.32	21.87
09 68 16 00-0085	SY	ORNAMENT ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	66.32	21.87
09 68 16 00-0086	SY	SCREEN ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	66.32	21.87
09 68 16 00-0087	SY	COLONEL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	28.30	21.87
09 68 16 00-0088	SY	TOWN RESORT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	31.55	21.87
09 68 16 00-0089	SY	SENTIMENT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.00	21.87
09 68 16 00-0090		**26 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0091	SY	AMBITION III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	27.42	21.87
09 68 16 00-0092	SY	POTENTIAL III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	33.09	21.87
09 68 16 00-0093	SY	POTENTIAL III 26 UNITARY 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	35.17	21.87
09 68 16 00-0094	SY	INTERPLAY ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	37.14	21.87
09 68 16 00-0095	SY	PETO II CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	36.86	21.87
09 68 16 00-0096	SY	EVOLUTION CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	36.96	21.87
09 68 16 00-0097	SY	SPACE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	36.84	21.87
09 68 16 00-0098	SY	DIVIDE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	38.02	21.87
09 68 16 00-0099	SY	EDIT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	38.73	21.87
09 68 16 00-0100	SY	EQUAL CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	38.72	21.87
09 68 16 00-0101	SY	TEXT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	39.69	21.87
09 68 16 00-0102	SY	TEXT ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	40.95	21.87
09 68 16 00-0103	SY	CONSTELLATION ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	42.90	21.87
09 68 16 00-0104	SY	CROSS STITCH ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	45.01	21.87
09 68 16 00-0105	SY	ESCAPE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	49.53	21.87
09 68 16 00-0106	SY	WISDOM ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	49.89	21.87
09 68 16 00-0107	SY	BOTAN ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	50.59	21.87
09 68 16 00-0108	SY	MAINFRAME ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	47.66	21.87
09 68 16 00-0109	SY	HANA ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	50.82	21.87
09 68 16 00-0110	SY	NAVIGATE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	48.70	21.87
09 68 16 00-0111	SY	INTUITION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	53.46	21.87
09 68 16 00-0112	SY	QUEST ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	53.46	21.87
09 68 16 00-0113	SY	SOPHISTICATION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	53.46	21.87
09 68 16 00-0114	SY	JOIE ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	68.34	21.87
09 68 16 00-0115		**28 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0116	SY	POTENTIAL III 28 CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	35.55	23.73
09 68 16 00-0117	SY	MOMENTUM IV UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	36.34	23.73
09 68 16 00-0118	SY	POTENTIAL III 28 UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	37.51	23.73
09 68 16 00-0119	SY	CULTURE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	37.66	23.73
09 68 16 00-0120	SY	SCHOLAR II UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	39.70	23.73
09 68 16 00-0121	SY	FIELD TRIP ULTRLOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	40.68	23.73
09 68 16 00-0122	SY	ACCOMPLISH CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	40.88	23.73
09 68 16 00-0123	SY	PROSPER CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	42.62	23.73
09 68 16 00-0124	SY	ASPIRE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	43.94	23.73
09 68 16 00-0125	SY	MOVEMENT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	46.70	23.73
09 68 16 00-0126	SY	SHIMMER ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	44.67	23.73
09 68 16 00-0127	SY	CORDED ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	45.62	23.73
09 68 16 00-0128	SY	FIELD TRIP ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	48.09	23.73
09 68 16 00-0129	SY	ACCOMPLISH ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	48.44	23.73
09 68 16 00-0130	SY	PROSPER ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	50.14	23.73
09 68 16 00-0131	SY	MEADOW ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	52.80	23.73
09 68 16 00-0132	SY	PROFILE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	53.89	23.73
09 68 16 00-0133	SY	ASPIRE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	51.01	23.73
09 68 16 00-0134	SY	DOUBLE KNIT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	51.50	23.73
09 68 16 00-0135	SY	BRIDGE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	53.36	23.73
09 68 16 00-0136	SY	GLADE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	57.83	23.73
09 68 16 00-0137	SY	ESSENCE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	59.20	23.73
09 68 16 00-0138	SY	EXPRESSIVE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	59.20	23.73
09 68 16 00-0139	SY	BASKET ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	64.46	23.73
09 68 16 00-0140	SY	IKAT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	69.03	23.73
09 68 16 00-0141	SY	VERVE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	68.76	23.73
09 68 16 00-0142	SY	VITAE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	64.80	23.73
09 68 16 00-0143	SY	IMAGERY CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	40.07	23.73
09 68 16 00-0144	SY	GROUND FORCE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	35.94	23.73
09 68 16 00-0145		**30 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0146	SY	GRADIENT CLASSICBAC® 30 Ounce, Patterned, Nylon Broadloom Carpet	41.05	23.73
09 68 16 00-0147	SY	HONOR ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	62.80	23.73
09 68 16 00-0148	SY	PEBBLE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	59.52	23.73
09 68 16 00-0149	SY	BATIK ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.03	23.73
09 68 16 00-0150	SY	LINEN ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.03	23.73
09 68 16 00-0151	SY	TAPESTRY ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.03	23.73
09 68 16 00-0152	SY	TEXTILE ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.03	23.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0153	SY	TRELLIS ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	67.07	23.73
09 68 16 00-0154	SY	TWINE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	67.07	23.73
09 68 16 00-0155	SY	BEYOND ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	72.23	23.73
09 68 16 00-0156		32 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0157	SY	REFUGE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	38.68	23.73
09 68 16 00-0158	SY	RETREAT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	38.96	23.73
09 68 16 00-0159	SY	PLEAT CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	39.87	23.73
09 68 16 00-0160	SY	TAPER CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	39.87	23.73
09 68 16 00-0161	SY	STRIPES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	40.46	23.73
09 68 16 00-0162	SY	HERRINGBONE CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	40.46	23.73
09 68 16 00-0163	SY	SQUARES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	40.92	23.73
09 68 16 00-0164	SY	SOLID CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	52.31	23.73
09 68 16 00-0165	SY	CORE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	54.12	23.73
09 68 16 00-0166	SY	TIMBER ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	57.45	23.73
09 68 16 00-0167	SY	GROUNDED ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	61.83	23.73
09 68 16 00-0168	SY	TRIBUTE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet	67.14	23.73
09 68 16 00-0169	SY	GRACE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet	67.93	23.73
09 68 16 00-0170	SY	INHERIT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	73.43	23.73
09 68 16 00-0171	SY	EMBRACE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	83.14	23.73
09 68 16 00-0172		34 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0173	SY	GLOW ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	60.27	25.50
09 68 16 00-0174	SY	3SQUARE ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	59.62	25.50
09 68 16 00-0175	SY	EDITION ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	74.65	25.50
09 68 16 00-0176		36 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0177	SY	BELLCOURT CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	62.89	25.50
09 68 16 00-0178	SY	CRANFORD CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	62.89	25.50
09 68 16 00-0179	SY	KENNEBUNK CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	62.89	25.50
09 68 16 00-0180	SY	MORITZ CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	62.89	25.50
09 68 16 00-0181	SY	FIBER ECOWORX® 36 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	62.94	25.50
09 68 16 00-0182		38 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0183	SY	LANA ECOWORX® 38 Ounce, Patterned, Nylon Broadloom Carpet (DELETE)	76.10	25.50
09 68 16 00-0184	SY	ARTISAN LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet	82.21	25.50
09 68 16 00-0185	SY	CHOK LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet	82.52	25.50
09 68 16 00-0186	SY	AT EASE 39 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet	52.32	25.50
09 68 16 00-0187	SY	AT EASE 49 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet	58.42	25.50
09 68 16 00-0188	SY	WELCOME II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet	65.30	25.50
09 68 16 00-0189	SY	BON JOUR II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet	65.30	25.50
09 68 16 00-0190		Non-Patterned Broadloom Carpet (Shaw) *(09 68 16 00-0038)*		
09 68 16 00-0191		24 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0192	SY	HARBOR CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	29.97	21.87
09 68 16 00-0193	SY	UPSCALE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	29.97	21.87
09 68 16 00-0194	SY	MEMOIRS CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	31.57	21.87
09 68 16 00-0195	SY	SCENERY CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	33.73	21.87
09 68 16 00-0196	SY	REIMAGINE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	35.81	21.87
09 68 16 00-0197	SY	STATEMENT CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	37.98	21.87
09 68 16 00-0198		30 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0199	SY	DESIGN SERIES V 30 CLASSICBAC® 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	37.84	23.73
09 68 16 00-0200	SY	HIGHLIGHT ECOWORX® PERFORMANCE 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	51.53	23.73
09 68 16 00-0201		34 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0202	SY	RESIDENCE INN I CLASSICBAC® 34 Ounce, Non-Patterned, Nylon Broadloom Carpet	44.64	25.50
09 68 16 00-0203		36 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0204	SY	DESIGN SERIES V 36 CLASSICBAC® 36 Ounce, Non-Patterned, Nylon Broadloom Carpet	44.14	25.50
09 68 16 00-0205		38 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0206	SY	VILLA CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	44.18	25.50
09 68 16 00-0207	SY	SCEPTER II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	56.38	25.50
09 68 16 00-0208	SY	RESIDENCE INN II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	49.76	25.50
09 68 16 00-0209	SY	RESIDENCE INN III CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	55.10	25.50
09 68 16 00-0210		Carpet Accessories *(09 68 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0211	LF	Metal Carpet Saddle Strip, Up To 4" Wide	8.02	0.97
09 68 16 00-0212	LF	Carpet Grip Tape, Double Sided, 6" Wide	3.38	0.97
09 68 16 00-0213		Removal And Reinstallation Of Carpet And Pad *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0214	SY	Removal And Reinstallation Of Carpet And Pad	30.83	
09 68 16 00-0215		Carpeting Support Functions *(09 68 16)*		
09 68 16 00-0216		Relocate Partitions, Modular Work Stations *(09 68 16 00-0215)*		
		Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0217	EA	Relocate Modular Work Station	340.25	
09 68 16 00-0218		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0219	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	13.10	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.54*	
		For >15 To 33, Add	*1.27*	
09 68 16 00-0220	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	15.21	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.96*	
		For >15 To 33, Add	*1.48*	
09 68 16 00-0221	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	18.17	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.55*	
		For >15 To 33, Add	*1.78*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		Panels, No Covering *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	21.23	0.97
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	40.57	0.97
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	37.75	1.07
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	37.75	1.07
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	37.75	1.07
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	37.75	1.07
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	35.65	1.07
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	35.65	1.07
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	40.36	1.07
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	40.36	1.07
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808	40.36	1.07
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	40.36	1.07
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	38.27	1.07
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	38.27	1.07
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	48.67	1.07
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	48.67	1.07
09 69 13 00-0018		Pedestals *(09 69 13)*		
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly	43.33	4.86
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly	45.94	4.86
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly	47.25	4.86
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly	51.99	4.86
09 69 13 00-0023		Stringers *(09 69 13)*		
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors	21.00	5.83
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors	37.25	8.75
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors	58.49	14.59
09 69 13 00-0027		Understructure *(09 69 13)*		
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height	7.50	1.45
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height	8.12	1.45
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	9.62	1.45

09 69 53 Access Flooring Accessories *(09 69)*

09 69 53 00-0001		Accessories *(09 69 53)*		
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors	46.97	3.89
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors	75.67	6.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors	28.65	6.80
09 69 53 00-0005	EA	Machine Cutouts	233.93	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate	79.11	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System Note: Includes baffles, fascia plates trim and cover.	191.83	0.48
09 69 53 00-0008	LF	Tate Handrail	150.85	3.21
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", 24").	53.65	3.21
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille Note: Includes carpet trim to flush mount.	244.57	12.15
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	51.11	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	51.11	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	73.10	1.95
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	90.08	1.95
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	68.40	1.95
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	90.06	1.95
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	241.42	12.15
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications) Note: Includes cut hole.	166.70	12.15
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	241.42	12.15
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	127.82	1.95
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	9.72	

09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System *(09 69 53)*
Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.

09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.49	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.65	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.60	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001 Cork Wall Covering *(09 72 13)*

09 72 13 00-0002	SF	1/8" Cork Wall Covering	5.13	0.80
09 72 13 00-0003	SF	1/4" Cork Wall Covering	6.61	0.80
09 72 13 00-0004	SF	1/2" Cork Wall Covering	7.79	0.80
09 72 13 00-0005	SF	3/4" Cork Wall Covering	11.24	0.80

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 13 Flexible Vinyl Wall Coverings *(09 72 16)*

09 72 16 13-0001 Vinyl Wall Coverings *(09 72 16 13)*
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF	7-10 Oz/SY Vinyl Wall Covering	3.32	0.80
		For Owner Furnished Material, Deduct	*-2.06*	
09 72 16 13-0003	SF	11-14 Oz/SY Vinyl Wall Covering	4.34	0.80
		For Owner Furnished Material, Deduct	*-3.00*	
09 72 16 13-0004	SF	15-19 Oz/SY Vinyl Wall Covering	5.10	0.80
		For Owner Furnished Material, Deduct	*-3.76*	
09 72 16 13-0005	SF	20 To 25 Ounces/SY Vinyl Wall Covering	6.03	0.80
		For Owner Furnished Material, Deduct	*-4.34*	
09 72 16 13-0006	SF	26-32 Oz/SY Vinyl Wall Covering	7.04	0.80
		For Owner Furnished Material, Deduct	*-5.28*	
09 72 16 13-0007	SF	33-38 Oz/SY Vinyl Wall Covering	8.51	0.80
		For Owner Furnished Material, Deduct	*-6.67*	

09 72 19 Textile Wall Coverings *(09 72)*

09 72 19 00-0001 Acoustic Wall Covering *(09 72 19)*

09 72 19 00-0002	SY	Acoustic Wall Covering (TRI-KES ACS-24 Celadon)	90.45	
09 72 19 00-0003	SY	Acoustic Wall Covering (Carnegie Fabrics Strie 6423, Color 814)	57.55	
09 72 19 00-0004	SY	Acoustic Wall Covering (Carnegie Fabrics Meteor 6427, Color 766)	57.55	

09 72 23 Wallpapering *(09 72)*

09 72 23 00-0001 Wallpaper Coverings *(09 72 23)*
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.09	1.07
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.48	1.37
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	3.13	2.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001 Carpet Wall Covering *(09 73)*

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	46.85	24.31
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	48.08	24.31
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	51.97	26.18
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	54.97	26.18
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	58.08	26.18
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	59.56	26.18
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	62.08	28.28
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	64.83	28.28

09 74 Flexible Wood Sheets *(09 70)*

09 74 16 Flexible Wood Veneers *(09 74)*

09 74 16 00-0001 Flexible Wood Veneer *(09 74 16)*

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	9.48	3.23
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	9.67	3.23
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	9.67	3.23
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	9.86	3.23
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	10.81	3.23
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	11.95	3.23
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	13.27	3.23

09 74 16 00-0009 Flexible Exotic Wood Veneer *(09 74 16)*

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	16.56	3.23

09 77 Special Wall Surfacing *(09 70)*

09 77 11 Special Wall Panels *(09 77)*

09 77 11 00-0001 Special Wood Wall Panels *(09 77 11)*
See CSI section 05 12 23 00-0423 for angle iron.

09 77 11 00-0002	SF	Wood Grill Wall Panel (Plyboo Style LS11) Note: Includes connection to walls.	93.57
09 77 11 00-0003	SF	Wood Grill Ceiling Panel (Plyboo Style LS11) Note: Includes connection to ceiling or grid. Excludes ceiling grid support structure.	101.36

09 78 Interior Wall Paneling *(09 70)*

09 78 13 Metal Interior Wall Paneling *(09 78)*

09 78 13 00-0001 Stainless Steel Wall Base *(09 78 13)*
Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	11.61	2.44
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	17.30	2.69
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	19.32	2.69
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	23.25	2.93
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	29.16	3.25
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	13.11	2.44
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	18.72	2.69
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	20.72	2.69
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	24.46	2.93
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	30.39	3.25
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	32.32	4.88
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	41.08	5.37
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	44.12	5.37
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	49.94	5.86
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	59.13	6.51
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	67.00	4.88
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	75.86	5.37
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	78.80	5.37
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	84.72	5.86
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	93.91	6.51
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	32.32	4.88
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	41.08	5.37
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	44.12	5.37
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	49.94	5.86
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	59.13	6.51
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	80.95	4.88
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	89.72	5.37
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	92.75	5.37
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	98.57	5.86
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	107.76	6.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0033		16 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*		
09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	20.27	2.44
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	34.69	2.69
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	39.87	2.69
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	49.05	2.93
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	65.36	3.25
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	21.66	2.44
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	36.05	2.69
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	40.86	2.69
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	50.45	2.93
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	64.99	3.25
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	45.26	4.88
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	67.07	5.37
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	74.75	5.37
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	88.87	5.86
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	111.10	6.51
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	80.00	4.88
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	101.81	5.37
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	109.64	5.37
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	123.65	5.86
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	145.78	6.51
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	45.26	4.88
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	67.07	5.37
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	74.75	5.37
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	88.87	5.86
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	111.10	6.51
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	93.89	4.88
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	115.70	5.37
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	123.55	5.37
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	137.56	5.86
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	159.73	6.51

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.94	0.32
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.10	0.32
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.33	0.32
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.50	0.32
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.73	0.32
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.95	0.32
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.24	0.32
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.57	0.32

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.90	0.32

09 81 16 00-0013 Fiberglass Sound Attenuation Blankets *(09 81 16)*
Note: (Insul-Quilt)

09 81 16 00-0014	SF	2" Fiberglass Core Blanket, Faced With fiberglass Cloth And Backed With A Flame-Proof Foil (Insul-Quilt)	8.47	0.32

09 81 16 00-0015 Sound Attenuation Batts *(09 81 16)*
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0016	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.11	0.43
09 81 16 00-0017	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	1.18	0.43
09 81 16 00-0018	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.36	0.43
09 81 16 00-0019	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	1.52	0.43
09 81 16 00-0020	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.58	0.43
09 81 16 00-0021	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	1.56	0.43
09 81 16 00-0022	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.62	0.43

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	12.36	2.16
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	18.38	2.16
09 84 13 00-0004		Sound Absorbing Acoustical Wall Panel System *(09 84 13)*		
		See CSI section 06 11 16 00-0211 for wood furring.		
09 84 13 00-0005		Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	14.35	2.44
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	13.23	2.44
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	16.76	2.44
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	16.79	2.44
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	18.58	2.44
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	18.58	2.44
09 84 13 00-0012		Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	16.81	2.44
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	19.72	2.44
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	19.72	2.44
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	22.63	2.44
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	22.63	2.44
09 84 13 00-0018		Sound Absorbing Panel, Eggcrate Style *(09 84 13)*		
		Note: Ceiling or wall hung back.		
09 84 13 00-0019	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	10.74	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	14.24	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	18.66	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0022	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	14.03	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0023	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	27.57	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	35.30	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0025		Sound Deadening Fiberboard *(09 84 13)*		
09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard	1.55	0.54
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.51*	
		For >128 To 320, Add	*0.30*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13		**Exterior Painting** *(09 91)*		
		Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.		
09 91 13 00-0001		Paint Exterior Walls/Siding *(09 91 13)*		
09 91 13 00-0002		Paint Exterior Brick Walls *(09 91 13 00-0001)*		
09 91 13 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.23	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0004	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0005	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.45	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0006	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.20	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.22	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.89	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0010	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.77	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0011	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.86	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0012	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.72	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0013		Paint Exterior Concrete Walls *(09 91 13 00-0001)*		
09 91 13 00-0014	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.75	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0020	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0022	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0023	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.23	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.28	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.44	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	2.57	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.10	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.19	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.17	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.98	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.06	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	2.11	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.36	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.52	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0041	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.51	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0042	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0043	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.19	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0044	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.10	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0045	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0046	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.96	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.05	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.54	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0049	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.32	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0054	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.76	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0055	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0056	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0057	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.35	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0058	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.69	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0059	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0060	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.20	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.23*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.17	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.27	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.35	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.89	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.92	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.85	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.05	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.84	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.17	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.27	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.34	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.04	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.14	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.19	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.91	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.05	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.84	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0082		Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*		
09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	14.27	
		For Work >15' To 20' Above Floor, Add	*1.74*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.91*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*4.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*6.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*9.12*	
		For >100 To 250, Add	*4.33*	
		For >250 To 500, Add	*1.88*	
		For >2,500 To 5,000, Deduct	*-0.71*	
		For >5,000 To 10,000, Deduct	*-1.43*	
		For >10,000 To 20,000, Deduct	*-2.14*	
		For >20,000, Deduct	*-2.85*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	15.89	
		For Work >15' To 20' Above Floor, Add	*1.94*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*10.14*	
		For >100 To 250, Add	*4.82*	
		For >250 To 500, Add	*2.09*	
		For >2,500 To 5,000, Deduct	*-0.79*	
		For >5,000 To 10,000, Deduct	*-1.59*	
		For >10,000 To 20,000, Deduct	*-2.38*	
		For >20,000, Deduct	*-3.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	29.58	
		For Work >15' To 20' Above Floor, Add	*3.65*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*9.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*13.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*19.02*	
		For >100 To 250, Add	*9.03*	
		For >250 To 500, Add	*3.91*	
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000 To 10,000, Deduct	*-2.96*	
		For >10,000 To 20,000, Deduct	*-4.44*	
		For >20,000, Deduct	*-5.92*	
09 91 13 00-0086		Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*		
09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	1.04	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.31	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.24	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0090		Paint Exterior Stucco Walls *(09 91 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0091	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.26	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0092	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0093	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.61	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0094	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.01	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0095	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0096	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0097	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.41	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0098	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0099	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0100	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.18	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0101		Paint Exterior Wood Siding *(09 91 13 00-0001)*		
09 91 13 00-0102		Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*		
		Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0103	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0104	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0105	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.32	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0106	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.38	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0107	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.06	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0108	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0109	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.12	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0110	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.92	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0111	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.07	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0112	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.75	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0113		Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.67	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.62	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.01	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.62	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.73	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	3.26	
		For Oil Based Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000, Deduct	*-0.65*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.25	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.38	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.63	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0124	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0125	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.05	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	0.95	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	0.95	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.79	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0131	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.94	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0132	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.10	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0133	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.15	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0134		Paint Exterior Ceilings *(09 91 13)*		
09 91 13 00-0135		Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*		
09 91 13 00-0136	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0137	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0139	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0140	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0141	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0142	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.57	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0143	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0144	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0145	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.33	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0147	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.25*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
		For Epoxy Paint, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0152	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0153	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.56	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.21*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0154	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.33	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
		For Epoxy Paint, Add	*0.23*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.30	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0163	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0164	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0165	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	2.00	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0167	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.57	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	1.83	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.11	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.62*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.73	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.83	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.35	
		For Oil Based Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.50*	
		For >20,000, Deduct	*-0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.37	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.50	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.76	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.27	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.37	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.55	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.99	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.09	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.98	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.17	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.97	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.37	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.55	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.14	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.24	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.29	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.97	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0200		Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*		
09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.17	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.31	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.41	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0204		Paint Exterior Floors *(09 91 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0205		**Paint Exterior Concrete Floors** *(09 91 13 00-0204)*		
09 91 13 00-0206	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.14	
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0207	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0208	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0209	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.57	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0210	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0211	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0212	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0213	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.59	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0214	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.65	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0215	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.20	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.23*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0216	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.11	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.18	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.52*	
		For >10,000 To 20,000, Deduct	*-0.78*	
		For >20,000, Deduct	*-1.04*	
09 91 13 00-0218	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.47	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.32*	
		For >5,000 To 10,000, Deduct	*-0.65*	
		For >10,000 To 20,000, Deduct	*-0.97*	
		For >20,000, Deduct	*-1.29*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.17	
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0221	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.04	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.98	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.96	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.69	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.44	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.21	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.57	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000 To 20,000, Deduct	*-0.99*	
		For >20,000, Deduct	*-1.31*	

09 91 13 00-0232 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0233 Paint Exterior Door Frames *(09 91 13 00-0232)*

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.18	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.32*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.50	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.40*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.53	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.68*	
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.20	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.33*	
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.52	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.41*	
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.56	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0240		**Paint Exterior Metal Doors** *(09 91 13 00-0232)*		
09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	60.82	
		Note: One face		
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.41*	
		For Electrostatic Painting, Add	*10.76*	
		For >5 To 10, Deduct	*-3.04*	
		For >10 To 25, Deduct	*-6.08*	
		For >25, Deduct	*-9.12*	
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	60.82	
		Note: One face		
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.41*	
		For Electrostatic Painting, Add	*10.76*	
		For >5 To 10, Deduct	*-3.04*	
		For >10 To 25, Deduct	*-6.08*	
		For >25, Deduct	*-9.12*	
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	112.03	
		Note: One face		
		For Half Louvered Door, Add	*7.50*	
		For Full Louvered Door, Add	*12.51*	
		For Electrostatic Painting, Add	*20.50*	
		For >5 To 10, Deduct	*-5.60*	
		For >10 To 25, Deduct	*-11.20*	
		For >25, Deduct	*-16.80*	
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	109.17	
		Note: Both faces		
		For Half Louvered Door, Add	*7.97*	
		For Full Louvered Door, Add	*13.28*	
		For Electrostatic Painting, Add	*19.33*	
		For >5 To 10, Deduct	*-5.46*	
		For >10 To 25, Deduct	*-10.92*	
		For >25, Deduct	*-16.38*	
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	109.17	
		Note: Both faces		
		For Half Louvered Door, Add	*7.97*	
		For Full Louvered Door, Add	*13.28*	
		For Electrostatic Painting, Add	*19.33*	
		For >5 To 10, Deduct	*-5.46*	
		For >10 To 25, Deduct	*-10.92*	
		For >25, Deduct	*-16.38*	
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	201.97	
		Note: Both faces		
		For Half Louvered Door, Add	*13.47*	
		For Full Louvered Door, Add	*22.46*	
		For Electrostatic Painting, Add	*37.02*	
		For >5 To 10, Deduct	*-10.10*	
		For >10 To 25, Deduct	*-20.20*	
		For >25, Deduct	*-30.30*	
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	59.37	
		Note: One face		
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For Electrostatic Painting, Add	*11.09*	
		For >5 To 10, Deduct	*-2.97*	
		For >10 To 25, Deduct	*-5.94*	
		For >25, Deduct	*-8.91*	
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	59.37	
		Note: One face		
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For Electrostatic Painting, Add	*11.09*	
		For >5 To 10, Deduct	*-2.97*	
		For >10 To 25, Deduct	*-5.94*	
		For >25, Deduct	*-8.91*	
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	110.51	
		Note: One face		
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For Electrostatic Painting, Add	*21.28*	
		For >5 To 10, Deduct	*-5.53*	
		For >10 To 25, Deduct	*-11.05*	
		For >25, Deduct	*-16.58*	
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	106.60	
		Note: Both faces		
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For Electrostatic Painting, Add	*19.91*	
		For >5 To 10, Deduct	*-5.33*	
		For >10 To 25, Deduct	*-10.66*	
		For >25, Deduct	*-15.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	106.60	
		Note: Both faces		
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For Electrostatic Painting, Add	*19.91*	
		For >5 To 10, Deduct	*-5.33*	
		For >10 To 25, Deduct	*-10.66*	
		For >25, Deduct	*-15.99*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	199.35	
		Note: Both faces		
		For Half Louvered Door, Add	*11.40*	
		For Full Louvered Door, Add	*19.00*	
		For Electrostatic Painting, Add	*38.44*	
		For >5 To 10, Deduct	*-9.97*	
		For >10 To 25, Deduct	*-19.94*	
		For >25, Deduct	*-29.90*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.56	
		For Electrostatic Painting, Add	*0.34*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.76	
		For Electrostatic Painting, Add	*0.39*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	5.58	
		For Electrostatic Painting, Add	*0.76*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.89	
		For Electrostatic Painting, Add	*0.37*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.09	
		For Electrostatic Painting, Add	*0.42*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	5.96	
		For Electrostatic Painting, Add	*0.80*	
09 91 13 00-0259		**Paint Exterior Wood Doors** *(09 91 13 00-0232)*		
09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	55.48	
		Note: One face		
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.40*	
		For >5 To 10, Deduct	*-2.77*	
		For >10 To 25, Deduct	*-5.55*	
		For >25, Deduct	*-8.32*	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	55.48	
		Note: One face		
		For Half Louvered Door, Add	*4.44*	
		For Full Louvered Door, Add	*7.40*	
		For >5 To 10, Deduct	*-2.77*	
		For >10 To 25, Deduct	*-5.55*	
		For >25, Deduct	*-8.32*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	101.44	
		Note: One face		
		For Half Louvered Door, Add	*7.50*	
		For Full Louvered Door, Add	*12.51*	
		For >5 To 10, Deduct	*-5.07*	
		For >10 To 25, Deduct	*-10.14*	
		For >25, Deduct	*-15.22*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	99.60	
		Note: Both faces		
		For Half Louvered Door, Add	*7.97*	
		For Full Louvered Door, Add	*13.28*	
		For >5 To 10, Deduct	*-4.98*	
		For >10 To 25, Deduct	*-9.96*	
		For >25, Deduct	*-14.94*	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	99.60	
		Note: Both faces		
		For Half Louvered Door, Add	*7.97*	
		For Full Louvered Door, Add	*13.28*	
		For >5 To 10, Deduct	*-4.98*	
		For >10 To 25, Deduct	*-9.96*	
		For >25, Deduct	*-14.94*	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	182.82	
		Note: Both faces		
		For Half Louvered Door, Add	*13.47*	
		For Full Louvered Door, Add	*22.46*	
		For >5 To 10, Deduct	*-9.14*	
		For >10 To 25, Deduct	*-18.28*	
		For >25, Deduct	*-27.42*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	53.51	
		Note: One face		
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For >5 To 10, Deduct	*-2.68*	
		For >10 To 25, Deduct	*-5.35*	
		For >25, Deduct	*-8.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: One face	53.51	
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For >5 To 10, Deduct	*-2.68*	
		For >10 To 25, Deduct	*-5.35*	
		For >25, Deduct	*-8.03*	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: One face	98.89	
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For >5 To 10, Deduct	*-4.94*	
		For >10 To 25, Deduct	*-9.89*	
		For >25, Deduct	*-14.83*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: Both faces	96.07	
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For >5 To 10, Deduct	*-4.80*	
		For >10 To 25, Deduct	*-9.61*	
		For >25, Deduct	*-14.41*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: Both faces	96.07	
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For >5 To 10, Deduct	*-4.80*	
		For >10 To 25, Deduct	*-9.61*	
		For >25, Deduct	*-14.41*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: Both faces	178.29	
		For Half Louvered Door, Add	*11.40*	
		For Full Louvered Door, Add	*19.00*	
		For >5 To 10, Deduct	*-8.91*	
		For >10 To 25, Deduct	*-17.83*	
		For >25, Deduct	*-26.74*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.48	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.63	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.35	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.80	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.96	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.72	
09 91 13 00-0278		Paint Exterior Metal Windows *(09 91 13 00-0232)* Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	87.10	
		For Electrostatic Painting, Add	*11.82*	
		For >5 To 10, Deduct	*-4.36*	
		For >10 To 25, Deduct	*-8.71*	
		For >25, Deduct	*-13.07*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	108.61	
		For Electrostatic Painting, Add	*15.67*	
		For >5 To 10, Deduct	*-5.43*	
		For >10 To 25, Deduct	*-10.86*	
		For >25, Deduct	*-16.29*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	147.60	
		For Electrostatic Painting, Add	*21.58*	
		For >5 To 10, Deduct	*-7.38*	
		For >10 To 25, Deduct	*-14.76*	
		For >25, Deduct	*-22.14*	
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	166.31	
		For Electrostatic Painting, Add	*24.34*	
		For >5 To 10, Deduct	*-8.32*	
		For >10 To 25, Deduct	*-16.63*	
		For >25, Deduct	*-24.95*	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	184.21	
		For Electrostatic Painting, Add	*26.90*	
		For >5 To 10, Deduct	*-9.21*	
		For >10 To 25, Deduct	*-18.42*	
		For >25, Deduct	*-27.63*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	5.84	
		For Electrostatic Painting, Add	*0.85*	
09 91 13 00-0285		Paint Exterior Wood Windows *(09 91 13 00-0232)* Note: Two finish coats paint over primer.		
09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	83.56	
		For >5 To 10, Deduct	*-4.18*	
		For >10 To 25, Deduct	*-8.36*	
		For >25, Deduct	*-12.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	103.14	
		For >5 To 10, Deduct	*-5.16*	
		For >10 To 25, Deduct	*-10.31*	
		For >25, Deduct	*-15.47*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	139.83	
		For >5 To 10, Deduct	*-6.99*	
		For >10 To 25, Deduct	*-13.98*	
		For >25, Deduct	*-20.97*	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	157.53	
		For >5 To 10, Deduct	*-7.88*	
		For >10 To 25, Deduct	*-15.75*	
		For >25, Deduct	*-23.63*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	174.56	
		For >5 To 10, Deduct	*-8.73*	
		For >10 To 25, Deduct	*-17.46*	
		For >25, Deduct	*-26.18*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	5.80	
09 91 13 00-0292		**Paint Exterior Security Screens** *(09 91 13 00-0232)*		
09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.55	
		For Electrostatic Painting, Add	*0.22*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.53	
		For Electrostatic Painting, Add	*0.20*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	2.54	
		For Electrostatic Painting, Add	*0.34*	
09 91 13 00-0296		**Paint Exterior Window Guards** *(09 91 13 00-0232)*		
09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.55	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.53	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.54	
09 91 13 00-0300		**Paint Exterior Window Trim** *(09 91 13 00-0232)*		
09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.44	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.44	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.40	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.74	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.74	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal WIndow Frame And Trim	3.01	
09 91 13 00-0307		**Paint Exterior Roofing And Trim** *(09 91 13)*		
09 91 13 00-0308		**Paint Stain Or Seal Wood Roofing** *(09 91 13 00-0307)*		
09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.24	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	4.14	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.40*	
09 91 13 00-0311		**Paint Metal Roofing** *(09 91 13 00-0307)*		
09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	1.02	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.77	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
09 91 13 00-0314	SF	1 Coat Epoxy Polyamide Cured Resin Primer, Sprayed, Paint Metal Roof	0.91	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0315	SF	1 Coat Aliphatic Polyurethane, Sprayed, Paint Metal Roof	0.88	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0316		**Paint Fascia Board** *(09 91 13 00-0307)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0317	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.92	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0318	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.92	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0319	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.60	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0320		**Paint Soffit** *(09 91 13 00-0307)*		
09 91 13 00-0321	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.14	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0322	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.14	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0323	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	1.93	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 91 13 00-0324		**Special Coatings For Metal Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0325	SF	Carboline Carboxane 950 Coating System With 15 year warranty	11.67	
09 91 13 00-0326	SF	Carboline Carbothane 134HG Coating System With 1 year warranty	7.15	
09 91 13 00-0327		**Acrylic Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0328	SF	2 Coats (20 Mil), Cool Roof Acrylic Elastomeric Roof Coating	2.17	
		For Each Coat Of Primer, Add	*0.47*	
09 91 13 00-0329	SF	2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.07	
09 91 13 00-0330		**Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0331	SF	1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585) Note: Per Coat	3.72	
09 91 13 00-0332		**Acrylic Latex Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)* Note: (Henry)		
09 91 13 00-0333	SF	1 Coat, Premium Gray Elastomeric Roof Base Coating (Henry 291)	1.34	
09 91 13 00-0334	SF	1 Coat, White Acrylic Latex Roof Coating (Henry 280DC)	1.21	
09 91 13 00-0335	SF	1 Coat, White Elastomeric Roof Coating (Henry SolarFlex 287)	1.06	
09 91 13 00-0336		**Acrylic Coating For All Types Of Roofs** *(09 91 13 00-0307)* Note: (GAF)		
09 91 13 00-0337	SF	1 Coat, Water Based, Acrylic Elastomeric Roof Base Coating (GAF Roof Mate™ Base Coat)	1.04	
09 91 13 00-0338	SF	1 Coat, Water Based, Acrylic Elastomeric Roof Top Coating (GAF Roof Mate™ Top Coat)	1.21	
09 91 13 00-0339		**Paint Metal Surfaces** *(09 91 13)* Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0340		**Paint Structural Steel** *(09 91 13 00-0339)*		
09 91 13 00-0341		**Paint Structural Steel, Brush Work** *(09 91 13 00-0340)*		
09 91 13 00-0342	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.06	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0343	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	0.95	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0344		**Paint Structural Steel, Spray Work** *(09 91 13 00-0340)*		
09 91 13 00-0345	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.83	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0346	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.71	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0347		Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0340)*		
09 91 13 00-0348	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.93	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0349	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.93	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0350	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.60	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Bearms And Bar Joists	1.37	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.30	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.49	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0354	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.16	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0355	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.16	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0356	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	2.02	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For Epoxy Paint, Add	*0.37*	
09 91 13 00-0357		Paint Steel Pipes *(09 91 13 00-0339)*		
		Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0358	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.74	
		For Electrostatic Painting, Add	*0.24*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0359	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.95	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0360	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.19	
		For Electrostatic Painting, Add	*0.31*	
		For Epoxy Paint, Add	*0.29*	
09 91 13 00-0361	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	2.74	
		For Electrostatic Painting, Add	*0.38*	
		For Epoxy Paint, Add	*0.36*	
09 91 13 00-0362	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	3.45	
		For Electrostatic Painting, Add	*0.48*	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0363	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.74	
		For Electrostatic Painting, Add	*0.24*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0364	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.95	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0365	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.19	
		For Electrostatic Painting, Add	*0.31*	
		For Epoxy Paint, Add	*0.29*	
09 91 13 00-0366	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	2.74	
		For Electrostatic Painting, Add	*0.38*	
		For Epoxy Paint, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0367	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	3.45	
		For Electrostatic Painting, Add	*0.48*	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0368	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.62	
		For Electrostatic Painting, Add	*0.54*	
		For Epoxy Paint, Add	*0.54*	
09 91 13 00-0369	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	3.89	
		For Electrostatic Painting, Add	*0.55*	
		For Epoxy Paint, Add	*0.51*	
09 91 13 00-0370	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	4.23	
		For Electrostatic Painting, Add	*0.60*	
		For Epoxy Paint, Add	*0.57*	
09 91 13 00-0371	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	5.32	
		For Electrostatic Painting, Add	*0.75*	
		For Epoxy Paint, Add	*0.70*	
09 91 13 00-0372	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	6.58	
		For Electrostatic Painting, Add	*0.94*	
		For Epoxy Paint, Add	*0.88*	
09 91 13 00-0373	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	7.81	
		For Electrostatic Painting, Add	*0.85*	
		For Epoxy Paint, Add	*0.53*	
09 91 13 00-0374		**Paint Metal Louvers** *(09 91 13 00-0339)*		
09 91 13 00-0375	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.41	
		For Electrostatic Painting, Add	*0.18*	
09 91 13 00-0376	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.44	
		For Electrostatic Painting, Add	*0.19*	
09 91 13 00-0377	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	2.98	
		For Electrostatic Painting, Add	*0.40*	
09 91 13 00-0378		**Paint Ladders** *(09 91 13 00-0339)*		
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	3.66	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.08	
		For Epoxy Paint, Add	*0.27*	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	7.99	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0382		**Paint Handrails** *(09 91 13 00-0339)*		
09 91 13 00-0383	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.51	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0384	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.67	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0385	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.69	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0386	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.02	
		For Epoxy Paint, Add	*0.47*	
09 91 13 00-0387	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.26	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0388	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	5.51	
		For Epoxy Paint, Add	*0.75*	
09 91 13 00-0389	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.22	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0390	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.49	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0391	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	5.80	
		For Epoxy Paint, Add	*0.77*	
09 91 13 00-0392	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.77	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0393	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.93	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0394	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.56	
		For Epoxy Paint, Add	*0.50*	
09 91 13 00-0395		**Paint Grating** *(09 91 13 00-0339)*		
09 91 13 00-0396	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	2.70	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0397	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	2.77	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0398	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	4.21	
		For Epoxy Paint, Add	*0.39*	
09 91 13 00-0399		**Equipment And Tanks** *(09 91 13 00-0339)*		
09 91 13 00-0400		**Paint Valves** *(09 91 13 00-0399)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0401	EA	Prime And Paint 4" And Smaller Valve	30.49	
09 91 13 00-0402	EA	Prime And Paint 6" To 10" Valve	37.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0403	EA	Prime And Paint 12" To 18" Valve	49.36	
09 91 13 00-0404	EA	Prime And Paint 20" To 24" Valve	65.31	
09 91 13 00-0405	EA	Prime And Paint >24" To 36" Valve	88.52	
09 91 13 00-0406	EA	Prime And Paint >36" To 48" Valve	121.93	
09 91 13 00-0407		Paint Pumps And Motors *(09 91 13 00-0399)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0408	EA	Prime And Paint Pump Under 1 HP	94.39	
09 91 13 00-0409	EA	Prime And Paint Pump, 1 HP To 5 HP	126.39	
09 91 13 00-0410	EA	Prime And Paint Pump, >5 HP To 10 HP	154.07	
09 91 13 00-0411	EA	Prime And Paint Pump, >10 HP To 20 HP	174.46	
09 91 13 00-0412	EA	Prime And Paint Pump, >20 HP To 30 HP	203.55	
09 91 13 00-0413	EA	Prime And Paint Pump, >30 HP To 50 HP	232.62	
09 91 13 00-0414	EA	Prime And Paint Pump, >50 HP To 75 HP	257.36	
09 91 13 00-0415	EA	Prime And Paint Pump, >75 HP	290.78	
09 91 13 00-0416		Paint Storage Tanks *(09 91 13 00-0399)*		
09 91 13 00-0417	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.25	
09 91 13 00-0418	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.69	
09 91 13 00-0419	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.25	
09 91 13 00-0420	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.62	
09 91 13 00-0421	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.10	
09 91 13 00-0422	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.05	
09 91 13 00-0423	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.40	
09 91 13 00-0424	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.79	
09 91 13 00-0425	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.49	
09 91 13 00-0426	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.56	
09 91 13 00-0427	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.11	
09 91 13 00-0428	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	4.11	
09 91 13 00-0429		Other Site Work Painting *(09 91 13)*		
09 91 13 00-0430		Paint Fencing *(09 91 13 00-0429)*		
		Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0431	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.88	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0432	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.67	
		For Epoxy Paint, Add	*0.24*	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0433	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.85	
		For Epoxy Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0434	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.60	
		For Epoxy Paint, Add	*0.28*	
		For Electrostatic Painting, Add	*0.26*	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 91 13 00-0435	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.84	
		For Epoxy Paint, Add	*0.14*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0436	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.77	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0437	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.58	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0438	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	0.97	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0439	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	0.97	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0440	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.71	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0441	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.78	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0442	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.43	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0443	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.65	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0444	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.26	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0445		**Paint Shutters Or Blinds, Solid Panel** *(09 91 13 00-0429)*		
09 91 13 00-0446	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.92	
09 91 13 00-0447	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.93	
09 91 13 00-0448	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	5.23	
09 91 13 00-0449	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.95	
09 91 13 00-0450	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.97	
09 91 13 00-0451	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	3.66	
09 91 13 00-0452		**Paint Shutters Or Blinds, Louvered Panel** *(09 91 13 00-0429)*		
09 91 13 00-0453	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.59	
09 91 13 00-0454	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.60	
09 91 13 00-0455	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	6.41	
09 91 13 00-0456	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.34	
09 91 13 00-0457	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.36	
09 91 13 00-0458	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	4.37	
09 91 13 00-0459		**Paint Flagpoles** *(09 91 13 00-0429)*		
09 91 13 00-0460	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	227.99	
09 91 13 00-0461	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	308.61	
09 91 13 00-0462	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	389.26	
09 91 13 00-0463	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	469.93	
09 91 13 00-0464	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	622.26	
09 91 13 00-0465	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	701.79	
09 91 13 00-0466	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	781.34	
09 91 13 00-0467		**Paint Lattice Or Trellis** *(09 91 13 00-0429)*		
09 91 13 00-0468	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.51	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0469	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	2.83	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
09 91 13 00-0470		**Paint Exterior Stairs** *(09 91 13)*		
09 91 13 00-0471		**Paint Exterior Concrete Stairs** *(09 91 13 00-0470)*		
09 91 13 00-0472	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	15.91	
09 91 13 00-0473	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	15.91	
09 91 13 00-0474	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	21.82	
09 91 13 00-0475	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	39.26	
09 91 13 00-0476	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	31.82	
09 91 13 00-0477		**Paint Exterior Metal Stairs** *(09 91 13 00-0470)*		
09 91 13 00-0478	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	8.62	
		For Oil Based Paint, Add	*0.49*	
09 91 13 00-0479	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	8.62	
		For Oil Based Paint, Add	*0.49*	
09 91 13 00-0480	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	17.23	
		For Oil Based Paint, Add	*0.97*	
09 91 13 00-0481		**Paint Exterior Wood Stairs** *(09 91 13 00-0470)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0482	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	8.43	
09 91 13 00-0483	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	8.42	
09 91 13 00-0484	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	14.33	
09 91 13 00-0485	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	31.77	
09 91 13 00-0486	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	16.84	
09 91 13 00-0487		Paint Exterior Stair Nosing *(09 91 13 00-0470)*		
09 91 13 00-0488	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	1.59	
09 91 13 00-0489		Paint Exterior Trim *(09 91 13)*		
09 91 13 00-0490		Paint Exterior Metal Trim And Gutters *(09 91 13 00-0489)*		
09 91 13 00-0491	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.18	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0492	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.28	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0493	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.32	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0494	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.08	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0495	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.17	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0496	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.10	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0497	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	1.83	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0498	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.15	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0499		Paint Exterior Wood Trim *(09 91 13 00-0489)*		
09 91 13 00-0500	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.70	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0501	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	1.86	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0502	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	3.42	
		For Oil Based Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.68*	
09 91 13 00-0503	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0504	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.57	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0505	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	2.93	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.59*	
09 91 13 00-0506	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.25	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0507	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.38	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0508	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.63	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0509		Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*		
09 91 13 00-0510	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.45	
		For Epoxy Paint, Add	*0.21*	
		For Electrostatic Painting, Add	*0.21*	
09 91 13 00-0511	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.29	
		For Epoxy Paint, Add	*0.15*	
		For Electrostatic Painting, Add	*0.17*	
09 91 13 00-0512	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.63	
		For Epoxy Paint, Add	*0.33*	
		For Electrostatic Painting, Add	*0.36*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0339 for additional interior materials.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0001		Paint Interior Walls *(09 91 23)*		
09 91 23 00-0002		Paint Interior Brick Walls *(09 91 23 00-0001)*		
09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.21	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.36	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.21	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.11	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	1.06	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.81	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
		For Backroll, Add	*0.18*	
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.18	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.97	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.10*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0017	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.17	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0019	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0020	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0021	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0023	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.59	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0024	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.08*	
09 91 23 00-0025	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.33	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
		For Backroll, Add	*0.14*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	1.00	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.84	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0029	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.80	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.08*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.66	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.55	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	2.82	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.16	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.27	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.41	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	1.06	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.10*	
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.24	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.13*	
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	2.34	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
		For Backroll, Add	*0.23*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0043	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.24	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0044	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.47	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.70	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.63	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.27	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0050	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.31	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0051	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.42	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0052	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0053	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.19	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.12*	
09 91 23 00-0054	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	2.02	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
		For Backroll, Add	*0.20*	
09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.39	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.14*	

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.27	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.10	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.11*	

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0061 Paint Interior Plaster/Drywall Walls *(09 91 23.00-0060)*

09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.25*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0066	SF	3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	2.69	
		For Oil Based Paint, Add	*0.17*	
		For Orange Peel Finish, Add	*0.36*	
		For Epoxy Paint, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0067	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0068	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0069	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.61	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.21*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0070	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.08*	
09 91 23 00-0071	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0072	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.33	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
		For Backroll, Add	*0.14*	

09 91 23 00-0073 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0074	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.56	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0075	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.83	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.57*	
09 91 23 00-0076	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	3.11	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.62*	

09 91 23 00-0077 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0078	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0079	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.09	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0080	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.79	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0081	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.48	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

09 91 23 00-0082 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0083 Paint Interior Galvanized Walls *(09 91 23 00-0082)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0084	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.25	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0085	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.36	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0086	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.50	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0087	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	0.95	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0088	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.08	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0089	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.04	
		For Electrostatic Painting, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0090	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.89	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.08*	
09 91 23 00-0091	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.11	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.11*	
09 91 23 00-0092	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.92	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
		For Backroll, Add	*0.18*	

09 91 23 00-0093 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0082)*

Note: Alkyd enamel paint.

09 91 23 00-0094	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.25	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0095	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.36	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0096	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.49	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0097	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.10	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0098	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.21	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0099	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.31	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0100	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.97	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.09*	
09 91 23 00-0101	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.11	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.11*	
09 91 23 00-0102	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.92	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
		For Backroll, Add	*0.18*	

09 91 23 00-0103 Paint Interior Corrugated Metal Walls *(09 91 23 00-0082)*

09 91 23 00-0104	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.09	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0105	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.38	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.15*	
09 91 23 00-0106	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.36	
		For Electrostatic Painting, Add	*0.42*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
		For Backroll, Add	*0.23*	

09 91 23 00-0107 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0108	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.28	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0109	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.58	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0110	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.74	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0111	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.13	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 23 00-0112	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0113	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0114	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.59	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0115	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.98	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	
09 91 23 00-0116	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.22	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.13*	
09 91 23 00-0117	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	2.33	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
		For Backroll, Add	*0.26*	

09 91 23 00-0118 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0119 Interior Wood Walls *(09 91 23 00-0118)*

09 91 23 00-0120	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0121	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0122	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.21	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 23 00-0123	SF	3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	3.15	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.87*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 23 00-0124	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0125	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0126	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	1.78	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0127	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.08*	
09 91 23 00-0128	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0129	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.69	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
		For Backroll, Add	*0.18*	

09 91 23 00-0130 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0131 Paint Interior Acoustical Ceilings *(09 91 23 00-0130)*
Note: Includes grid.

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0132	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.39	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0133	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0134	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0135	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.03	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0136	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0137	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0138	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.69	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0139	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0140	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0141	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.42	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.16*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0142		Paint Interior Concrete Ceilings *(09 91 23 00-0130)*		
09 91 23 00-0143	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.19	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0144	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0145	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0146	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	2.02	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0147	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0148	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0149	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.69	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0150	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.86	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0151	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0152	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.41	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.16*	
09 91 23 00-0153	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.11	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0154	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.89	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0155	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.92	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0156		Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0130)*		
09 91 23 00-0157	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.19	
		For Epoxy Paint, Add	*0.02*	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0158	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.06	
		For Epoxy Paint, Add	*0.13*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0159	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.13	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0160	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	2.03	
		For Epoxy Paint, Add	*0.23*	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0161	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.93	
		For Epoxy Paint, Add	*0.13*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0162	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.90	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0163	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.69	
		For Epoxy Paint, Add	*0.22*	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0164	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.90	
		For Epoxy Paint, Add	*0.14*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0165	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.85	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0166	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.42	
		For Epoxy Paint, Add	*0.24*	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.16*	

09 91 23 00-0167 Paint Interior Metal Ceilings *(09 91 23 00-0130)*

09 91 23 00-0168 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0167)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0169	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.36	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0170	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.49	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0171	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	2.73	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 23 00-0172	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.06	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0173	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.17	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0174	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.18	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 23 00-0175	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.11	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0176	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.25	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.13*	
09 91 23 00-0177	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	2.07	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
		For Backroll, Add	*0.20*	

09 91 23 00-0178 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0167)*

Note: Alkyd enamel paint.

09 91 23 00-0179	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.36	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0180	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.49	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0181	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.73	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 23 00-0182	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.21	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0183	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.32	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0184	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.52	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0185	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.11	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0186	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.25	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.13*	
09 91 23 00-0187	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.07	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
		For Backroll, Add	*0.20*	
09 91 23 00-0188		Paint Interior Ceiling Tile Grid *(09 91 23 00-0167)*		
		Note: Grid only.		
09 91 23 00-0189	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.28	
		For Electrostatic Painting, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0190	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.56	
		For Electrostatic Painting, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0191		Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0167)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0192	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.47	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Backroll, Add	*0.15*	
09 91 23 00-0193	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.65	
		For Electrostatic Painting, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
		For Backroll, Add	*0.18*	
09 91 23 00-0194	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.75	
		For Electrostatic Painting, Add	*0.49*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
		For Backroll, Add	*0.27*	
09 91 23 00-0195		Paint Interior Wood Ceilings *(09 91 23 00-0130)*		
09 91 23 00-0196		Paint Interior Smooth Wood Ceilings *(09 91 23 00-0195)*		
09 91 23 00-0197	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0199	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0200	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	2.48	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0201	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0202	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.17	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0203	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.23	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0204	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0205	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.13*	
09 91 23 00-0206	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.67	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
		For Backroll, Add	*0.18*	

09 91 23 00-0207 Paint Interior Wood Beams *(09 91 23 00-0130)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.45	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0209	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0210	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	2.68	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0211	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0212	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.17	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0213	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.23	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0214	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.13*	
09 91 23 00-0215	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.12*	
09 91 23 00-0216	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.79	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
		For Backroll, Add	*0.20*	

09 91 23 00-0217 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0218 Paint Interior Concrete Floors And Decks *(09 91 23 00-0217)*

09 91 23 00-0219	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.15	
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0220	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0221	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0222	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.77	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.22*	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.83	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.20*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0226	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.14*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.08*	
09 91 23 00-0227	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0228	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.23*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
		For Backroll, Add	*0.14*	
09 91 23 00-0229	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.89	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0230	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.88	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0231	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.78	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.08*	
09 91 23 00-0232	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.28	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0233	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	6.65	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.33*	

09 91 23 00-0234 Paint Interior Wood Floors And Decks *(09 91 23 00-0217)*

09 91 23 00-0235	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.18	
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0236	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0237	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0238	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	2.13	
		For Oil Based Paint, Add	*0.14*	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0239	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0240	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.95	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0241	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.90	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0242	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.77	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.08*	
09 91 23 00-0243	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0244	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.39	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.14*	
09 91 23 00-0245	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.28	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0246	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	6.65	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.33*	

09 91 23 00-0247 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0248 Paint Interior Door Frames *(09 91 23 00-0247)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0249	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.32*	
09 91 23 00-0250	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.50	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.40*	
09 91 23 00-0251	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime	2.53	
		For Oil Based Paint, Add	*0.14*	
		For Painting One Face Of Frame Only, Deduct	*-0.68*	
09 91 23 00-0252	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.33*	
09 91 23 00-0253	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.41*	
09 91 23 00-0254	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	2.56	
		For Oil Based Paint, Add	*0.15*	
		For Painting One Face Of Frame Only, Deduct	*-0.69*	

09 91 23 00-0255 Paint Interior Metal Doors *(09 91 23 00-0247)*

09 91 23 00-0256	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	64.10	
		For Electrostatic Painting, Add	*11.09*	
		For Half Louvered Door, Add	*4.94*	
		For Full Louvered Door, Add	*8.23*	
		For Oil Based Paint, Add	*4.77*	
		For >5 To 10, Deduct	*-3.21*	
		For >10 To 25, Deduct	*-6.41*	
		For >25, Deduct	*-9.62*	
09 91 23 00-0257	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	64.10	
		For Electrostatic Painting, Add	*11.09*	
		For Half Louvered Door, Add	*4.94*	
		For Full Louvered Door, Add	*8.23*	
		For Oil Based Paint, Add	*4.77*	
		For >5 To 10, Deduct	*-3.21*	
		For >10 To 25, Deduct	*-6.41*	
		For >25, Deduct	*-9.62*	
09 91 23 00-0258	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	117.59	
		For Electrostatic Painting, Add	*21.06*	
		For Half Louvered Door, Add	*8.34*	
		For Full Louvered Door, Add	*13.90*	
		For Oil Based Paint, Add	*8.98*	
		For >5 To 10, Deduct	*-5.88*	
		For >10 To 25, Deduct	*-11.76*	
		For >25, Deduct	*-17.64*	
09 91 23 00-0259	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	115.06	
		For Electrostatic Painting, Add	*19.92*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.75*	
		For Oil Based Paint, Add	*8.56*	
		For >5 To 10, Deduct	*-5.75*	
		For >10 To 25, Deduct	*-11.51*	
		For >25, Deduct	*-17.26*	
09 91 23 00-0260	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	115.07	
		For Electrostatic Painting, Add	*19.92*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.75*	
		For Oil Based Paint, Add	*8.56*	
		For >5 To 10, Deduct	*-5.75*	
		For >10 To 25, Deduct	*-11.51*	
		For >25, Deduct	*-17.26*	
09 91 23 00-0261	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	211.96	
		For Electrostatic Painting, Add	*38.02*	
		For Half Louvered Door, Add	*14.97*	
		For Full Louvered Door, Add	*24.96*	
		For Oil Based Paint, Add	*16.21*	
		For >5 To 10, Deduct	*-10.60*	
		For >10 To 25, Deduct	*-21.20*	
		For >25, Deduct	*-31.79*	
09 91 23 00-0262	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	59.37	
		For Electrostatic Painting, Add	*11.09*	
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For Oil Based Paint, Add	*4.68*	
		For >5 To 10, Deduct	*-2.97*	
		For >10 To 25, Deduct	*-5.94*	
		For >25, Deduct	*-8.91*	
		For Backroll, Add	*5.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0263	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	59.37	
		For Electrostatic Painting, Add	*11.09*	
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For Oil Based Paint, Add	*4.68*	
		For >5 To 10, Deduct	*-2.97*	
		For >10 To 25, Deduct	*-5.94*	
		For >25, Deduct	*-8.91*	
		For Backroll, Add	*5.47*	
09 91 23 00-0264	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	110.51	
		For Electrostatic Painting, Add	*21.28*	
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For Oil Based Paint, Add	*8.94*	
		For >5 To 10, Deduct	*-5.53*	
		For >10 To 25, Deduct	*-11.05*	
		For >25, Deduct	*-16.58*	
		For Backroll, Add	*9.76*	
09 91 23 00-0265	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	106.60	
		For Electrostatic Painting, Add	*19.91*	
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For Oil Based Paint, Add	*8.41*	
		For >5 To 10, Deduct	*-5.33*	
		For >10 To 25, Deduct	*-10.66*	
		For >25, Deduct	*-15.99*	
		For Backroll, Add	*9.82*	
09 91 23 00-0266	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	106.60	
		For Electrostatic Painting, Add	*19.91*	
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For Oil Based Paint, Add	*8.41*	
		For >5 To 10, Deduct	*-5.33*	
		For >10 To 25, Deduct	*-10.66*	
		For >25, Deduct	*-15.99*	
		For Backroll, Add	*9.82*	
09 91 23 00-0267	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	199.35	
		For Electrostatic Painting, Add	*38.44*	
		For Half Louvered Door, Add	*11.40*	
		For Full Louvered Door, Add	*19.00*	
		For Oil Based Paint, Add	*16.14*	
		For >5 To 10, Deduct	*-9.97*	
		For >10 To 25, Deduct	*-19.94*	
		For >25, Deduct	*-29.90*	
		For Backroll, Add	*17.57*	

09 91 23 00-0268 Paint Interior Wood Doors *(09 91 23 00-0247)*

09 91 23 00-0269	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	58.77	
		For Oil Based Paint, Add	*4.23*	
		For Half Louvered Door, Add	*4.94*	
		For Full Louvered Door, Add	*8.23*	
		For >5 To 10, Deduct	*-2.94*	
		For >10 To 25, Deduct	*-5.88*	
		For >25, Deduct	*-8.82*	
09 91 23 00-0270	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	58.77	
		For Oil Based Paint, Add	*4.23*	
		For Half Louvered Door, Add	*4.94*	
		For Full Louvered Door, Add	*8.23*	
		For >5 To 10, Deduct	*-2.94*	
		For >10 To 25, Deduct	*-5.88*	
		For >25, Deduct	*-8.82*	
09 91 23 00-0271	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	107.01	
		For Oil Based Paint, Add	*7.92*	
		For Half Louvered Door, Add	*8.34*	
		For Full Louvered Door, Add	*13.90*	
		For >5 To 10, Deduct	*-5.35*	
		For >10 To 25, Deduct	*-10.70*	
		For >25, Deduct	*-16.05*	
09 91 23 00-0272	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	105.50	
		For Oil Based Paint, Add	*7.60*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.75*	
		For >5 To 10, Deduct	*-5.28*	
		For >10 To 25, Deduct	*-10.55*	
		For >25, Deduct	*-15.83*	
09 91 23 00-0273	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	105.50	
		For Oil Based Paint, Add	*7.60*	
		For Half Louvered Door, Add	*8.85*	
		For Full Louvered Door, Add	*14.75*	
		For >5 To 10, Deduct	*-5.28*	
		For >10 To 25, Deduct	*-10.55*	
		For >25, Deduct	*-15.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0274	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	192.81	
		For Oil Based Paint, Add	*14.29*	
		For Half Louvered Door, Add	*14.97*	
		For Full Louvered Door, Add	*24.96*	
		For >5 To 10, Deduct	*-9.64*	
		For >10 To 25, Deduct	*-19.28*	
		For >25, Deduct	*-28.92*	
09 91 23 00-0275	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	53.51	
		For Oil Based Paint, Add	*4.10*	
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For >5 To 10, Deduct	*-2.68*	
		For >10 To 25, Deduct	*-5.35*	
		For >25, Deduct	*-8.03*	
		For Backroll, Add	*5.18*	
09 91 23 00-0276	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	53.51	
		For Oil Based Paint, Add	*4.10*	
		For Half Louvered Door, Add	*3.76*	
		For Full Louvered Door, Add	*6.26*	
		For >5 To 10, Deduct	*-2.68*	
		For >10 To 25, Deduct	*-5.35*	
		For >25, Deduct	*-8.03*	
		For Backroll, Add	*5.18*	
09 91 23 00-0277	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	98.89	
		For Oil Based Paint, Add	*7.77*	
		For Half Louvered Door, Add	*6.35*	
		For Full Louvered Door, Add	*10.58*	
		For >5 To 10, Deduct	*-4.94*	
		For >10 To 25, Deduct	*-9.89*	
		For >25, Deduct	*-14.83*	
		For Backroll, Add	*9.18*	
09 91 23 00-0278	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	96.07	
		For Oil Based Paint, Add	*7.36*	
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For >5 To 10, Deduct	*-4.80*	
		For >10 To 25, Deduct	*-9.61*	
		For >25, Deduct	*-14.41*	
		For Backroll, Add	*9.30*	
09 91 23 00-0279	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	96.07	
		For Oil Based Paint, Add	*7.36*	
		For Half Louvered Door, Add	*6.74*	
		For Full Louvered Door, Add	*11.23*	
		For >5 To 10, Deduct	*-4.80*	
		For >10 To 25, Deduct	*-9.61*	
		For >25, Deduct	*-14.41*	
		For Backroll, Add	*9.30*	
09 91 23 00-0280	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	178.29	
		For Oil Based Paint, Add	*14.03*	
		For Half Louvered Door, Add	*11.40*	
		For Full Louvered Door, Add	*19.00*	
		For >5 To 10, Deduct	*-8.91*	
		For >10 To 25, Deduct	*-17.83*	
		For >25, Deduct	*-26.74*	
		For Backroll, Add	*16.51*	

09 91 23 00-0281 Paint Interior Metal Windows *(09 91 23 00-0247)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0282	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	94.48	
		For Oil Based Paint, Add	*5.76*	
		For Electrostatic Painting, Add	*12.56*	
		For >5 To 10, Deduct	*-4.72*	
		For >10 To 25, Deduct	*-9.45*	
		For >25, Deduct	*-14.17*	
09 91 23 00-0283	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	117.12	
		For Oil Based Paint, Add	*7.46*	
		For Electrostatic Painting, Add	*16.52*	
		For >5 To 10, Deduct	*-5.86*	
		For >10 To 25, Deduct	*-11.71*	
		For >25, Deduct	*-17.57*	
09 91 23 00-0284	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	158.95	
		For Oil Based Paint, Add	*10.22*	
		For Electrostatic Painting, Add	*22.72*	
		For >5 To 10, Deduct	*-7.95*	
		For >10 To 25, Deduct	*-15.90*	
		For >25, Deduct	*-23.84*	
09 91 23 00-0285	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	179.09	
		For Oil Based Paint, Add	*11.53*	
		For Electrostatic Painting, Add	*25.62*	
		For >5 To 10, Deduct	*-8.95*	
		For >10 To 25, Deduct	*-17.91*	
		For >25, Deduct	*-26.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0286	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	198.39	
		For Oil Based Paint, Add	*12.75*	
		For Electrostatic Painting, Add	*28.32*	
		For >5 To 10, Deduct	*-9.92*	
		For >10 To 25, Deduct	*-19.84*	
		For >25, Deduct	*-29.76*	
09 91 23 00-0287	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	6.29	
		For Oil Based Paint, Add	*0.40*	
		For Electrostatic Painting, Add	*0.90*	

09 91 23 00-0288 Paint Interior Wood Windows *(09 91 23 00-0247)*

Note: Two finish coats paint over primer.

09 91 23 00-0289	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	90.94	
		For Oil Based Paint, Add	*5.41*	
		For >5 To 10, Deduct	*-4.55*	
		For >10 To 25, Deduct	*-9.09*	
		For >25, Deduct	*-13.64*	
09 91 23 00-0290	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	111.65	
		For Oil Based Paint, Add	*6.91*	
		For >5 To 10, Deduct	*-5.58*	
		For >10 To 25, Deduct	*-11.17*	
		For >25, Deduct	*-16.75*	
09 91 23 00-0291	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	158.20	
		For Oil Based Paint, Add	*9.80*	
		For >5 To 10, Deduct	*-7.91*	
		For >10 To 25, Deduct	*-15.82*	
		For >25, Deduct	*-23.73*	
09 91 23 00-0292	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	178.20	
		For Oil Based Paint, Add	*11.04*	
		For >5 To 10, Deduct	*-8.91*	
		For >10 To 25, Deduct	*-17.82*	
		For >25, Deduct	*-26.73*	
09 91 23 00-0293	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	188.74	
		For Oil Based Paint, Add	*11.78*	
		For >5 To 10, Deduct	*-9.44*	
		For >10 To 25, Deduct	*-18.87*	
		For >25, Deduct	*-28.31*	
09 91 23 00-0294	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	6.27	
		For Oil Based Paint, Add	*0.39*	

09 91 23 00-0295 Paint Interior Security Screens *(09 91 23 00-0247)*

09 91 23 00-0296	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.55	
		For Oil Based Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.22*	
09 91 23 00-0297	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Electrostatic Painting, Add	*0.20*	
09 91 23 00-0298	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	2.54	
		For Oil Based Paint, Add	*0.16*	
		For Electrostatic Painting, Add	*0.34*	

09 91 23 00-0299 Paint Interior Window Guards *(09 91 23 00-0247)*

09 91 23 00-0300	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.55	
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0301	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.53	
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0302	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.54	
		For Oil Based Paint, Add	*0.16*	

09 91 23 00-0303 Paint Interior Window Trim *(09 91 23 00-0247)*

09 91 23 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.54	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.46*	
09 91 23 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.54	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.46*	
09 91 23 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.33	
		For Oil Based Paint, Add	*0.22*	
		For Painting One Face Of Frame Only, Deduct	*-0.98*	
09 91 23 00-0307	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.74	
		For Painting One Face Of Frame Only, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0308	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.74	
		For Painting One Face Of Frame Only, Deduct	*-0.54*	
09 91 23 00-0309	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	3.73	
		For Painting One Face Of Frame Only, Deduct	*-1.14*	
09 91 23 00-0310		Paint Interior Cabinets And Casework *(09 91 23)*		
09 91 23 00-0311		Paint Interior Wood Cabinets And Casework *(09 91 23 00-0310)*		
09 91 23 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.27	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0313	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.77	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0314	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	3.14	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0315		Paint Exposed Metal Lockers And Cabinets *(09 91 23 00-0310)*		
09 91 23 00-0316	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.45	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0317	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.40	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0318	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	2.63	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0319		Paint Interior Stairs *(09 91 23)*		
09 91 23 00-0320		Paint Interior Concrete Stairs *(09 91 23 00-0319)* Note: Includes the riser and tread.		
09 91 23 00-0321	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	17.57	
09 91 23 00-0322	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	17.57	
09 91 23 00-0323	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) Note: Excludes riser.	15.17	
09 91 23 00-0324	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) Note: Excludes riser.	32.61	
09 91 23 00-0325	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	35.15	
09 91 23 00-0326		Paint Interior Metal Stairs *(09 91 23 00-0319)* Note: Includes the riser and tread.		
09 91 23 00-0327	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	9.81	
09 91 23 00-0328	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	9.45	
09 91 23 00-0329	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	18.89	
09 91 23 00-0330		Paint Interior Wood Stairs *(09 91 23 00-0319)* Note: Includes the riser and tread.		
09 91 23 00-0331	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	9.26	
09 91 23 00-0332	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	9.26	
09 91 23 00-0333	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) Note: Excludes riser.	11.01	
09 91 23 00-0334	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) Note: Excludes riser.	28.45	
09 91 23 00-0335	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	18.51	
09 91 23 00-0336		Paint Interior Stair Nosing *(09 91 23 00-0319)*		
09 91 23 00-0337	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.59	
09 91 23 00-0338		Paint Interior Trim *(09 91 23)*		
09 91 23 00-0339		Paint Interior Metal Trim *(09 91 23 00-0338)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0340	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.28	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0341	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.38	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.51	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.09	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0344	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.17	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0345	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.13	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0346		Paint Interior Wood Trim *(09 91 23 00-0338)*		
09 91 23 00-0347	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.79	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0348	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.88	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0349	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.81	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0350	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	2.51	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.15*	
09 91 23 00-0351	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	2.79	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.17*	
09 91 23 00-0352	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	5.10	
		For Work >15' To 20' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.21*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.31*	
09 91 23 00-0353	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.10	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0354	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.35	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.99*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.15*	
09 91 23 00-0355	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	4.27	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.75*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.27*	

09 91 23 00-0356 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0357 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0356)*

09 91 23 00-0358	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.90	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0359	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.06	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0360	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.87	
		For Electrostatic Painting, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0361	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.23	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.15*	
09 91 23 00-0362	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.23	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.15*	
09 91 23 00-0363	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	2.02	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
		For Backroll, Add	*0.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0364	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.18	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0365		**Paint Additives** *(09 91 23)*		
09 91 23 00-0366	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0367	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	
09 91 23 00-0368		**Hand Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0369	EA	Up To 1" High, Hand Paint, Per Letter/Number	2.46	
09 91 23 00-0370	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.84	
09 91 23 00-0371	EA	2" To 3" High, Hand Paint, Per Letter/Number	4.26	
09 91 23 00-0372	EA	3" To 4" High, Hand Paint, Per Letter/Number	5.21	
09 91 23 00-0373	EA	4" To 6" High, Hand Paint, Per Letter/Number	7.16	
09 91 23 00-0374	EA	6" To 12" High, Hand Paint, Per Letter/Number	9.06	
09 91 23 00-0375	EA	Over 12" High, Hand Paint, Per Letter/Number	10.58	
09 91 23 00-0376		**Glove/Mitt Application** *(09 91 23)*		
09 91 23 00-0377		**Conduit/Pipe** *(09 91 23 00-0376)*		
09 91 23 00-0378	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	46.00	
		For Work >15' To 20' Above Floor, Add	*6.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.47*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0379	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	90.64	
		For Work >15' To 20' Above Floor, Add	*7.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.96*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0380	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	73.43	
		For Work >15' To 20' Above Floor, Add	*5.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.99*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*19.77*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0381	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	62.08	
		For Work >15' To 20' Above Floor, Add	*4.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.74*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*10.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*14.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0382	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	125.50	
		For Work >15' To 20' Above Floor, Add	*6.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.47*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0383	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	117.09	
		For Work >15' To 20' Above Floor, Add	*5.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.99*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*19.77*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0384		**Ductwork** *(09 91 23 00-0376)*		
09 91 23 00-0385	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	46.00	
		For Work >15' To 20' Above Floor, Add	*6.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.47*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0386	CSF	Metal Primer Ductwork With Glove/Mitt	81.37	
		For Work >15' To 20' Above Floor, Add	*6.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.47*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0387	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	66.72	
		For Work >15' To 20' Above Floor, Add	*4.90*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*17.97*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0388	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	119.43	
		For Work >15' To 20' Above Floor, Add	*6.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.47*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0389	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	106.35	
		For Work >15' To 20' Above Floor, Add	*4.90*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*17.97*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0390		**Stencil Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0391	EA	Up To 1" High, Stencil Painting, Per Letter/Number	2.04	
		For >200 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.33*	
		For >2,000, Deduct	*-0.41*	
09 91 23 00-0392	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.33	
		For >200 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 2,000, Deduct	*-0.37*	
		For >2,000, Deduct	*-0.47*	
09 91 23 00-0393	EA	2" To 3" High, Stencil Painting, Per Letter/Number	3.86	
		For >200 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.62*	
		For >2,000, Deduct	*-0.77*	
09 91 23 00-0394	EA	3" To 4" High, Stencil Painting, Per Letter/Number	4.72	
		For >200 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.76*	
		For >2,000, Deduct	*-0.94*	
09 91 23 00-0395	EA	4" To 6" High, Stencil Painting, Per Letter/Number	6.48	
		For >200 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.04*	
		For >2,000, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0396	EA	6" To 12" High, Stencil Painting, Per Letter/Number	8.58	
		For >200 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.37*	
		For >2,000, Deduct	*-1.72*	
09 91 23 00-0397	EA	Over 12" High, Stencil Painting, Per Letter/Number	10.08	
		For >200 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-1.61*	
		For >2,000, Deduct	*-2.02*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	77.18
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	62.77
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	79.59
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	176.62
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	65.64
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	101.20
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	81.23
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	62.77
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	57.03
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	100.52
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	83.69
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	83.69
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	94.36
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	61.54
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	132.09
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	65.64
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	52.51
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	135.80
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	84.68
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	95.55

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	45.95
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	227.83
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	24.62
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	142.36
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	74.67
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	24.62
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	37.33
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	101.82
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	100.52
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	82.05
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	75.22
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	71.39
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	84.10
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	74.67
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	106.29
09 91 33 00-0038	GAL	Cold Galvanizing Paint	352.88
09 91 33 00-0039	GAL	High Heat Paint	187.01
09 91 33 00-0040	GAL	Heat Resistant Paint	124.67
09 91 33 00-0041	GAL	Zinc Chromate Paint	112.80
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	44.53
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	124.67
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	74.67
09 91 33 00-0045	GAL	Alkyd Latex, Black	92.52
09 91 33 00-0046	GAL	Alkyd Latex, White	84.10
09 91 33 00-0047	GAL	Alkyd Latex, Colors	101.42
09 91 33 00-0048	QT	Wrought Iron Paint, Black	113.79
09 91 33 00-0049	GAL	Vinyl Paint	125.54
09 91 33 00-0050	GAL	Silicone Alkyd	152.62
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	155.08
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	194.47
09 91 33 00-0053	GAL	Chlorinated Rubber	142.77
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	147.70
09 91 33 00-0055	GAL	Coal Tar Epoxy	105.85
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	132.11
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	172.31
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	118.16
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	75.08
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	92.51
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	153.85
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	52.10
09 91 33 00-0063	GAL	Linseed Oil	45.54
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	74.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	84.10	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	76.92	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	61.81	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	42.67	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	79.59	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	70.98	
09 91 33 00-0072	GAL	Varnish, Clear	43.29	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	31.45	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	28.10	
09 91 33 00-0075	GAL	Polyurethane	49.34	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	74.89	
09 91 33 00-0077	GAL	Shellac, Clear	98.24	
09 91 33 00-0078	GAL	Acetone	32.41	
09 91 33 00-0079	GAL	Paint Thinner	8.00	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	32.82	
09 91 33 00-0081	GAL	Turpentine	45.13	
09 91 33 00-0082	GAL	Wood Filler Paste	77.13	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	61.54	
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153)	103.41	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 91 43 00-0001 Protection Of Surfaces *(09 91 43)*

09 91 43 00-0002	SF	Drop Cloths Note: Remove after use.	0.40	
09 91 43 00-0003	LF	Painter Masking Tape Note: Remove after use.	0.26	

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 13 Exterior Staining *(09 93 13)*

09 93 13 13-0001 Wood Wall, Deck, Ceiling Finishes *(09 93 13 13)*

09 93 13 13-0002 Stain Wood Walls *(09 93 13 13-0001)*

09 93 13 13-0003 Stain Smooth Wood Walls *(09 93 13 13-0002)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 93 13 13-0004	SF	Stain Exterior Wood Smooth Siding, 1 Coat Stain, Brush Work	0.99	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.18*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 93 13 13-0005	SF	Stain Exterior Wood Smooth Siding, 2 Coats Stain, Brush Work	1.82	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.32*	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 93 13 13-0006	SF	Stain Exterior Wood Smooth Siding, 1 Coat Stain, Sprayed	0.81	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.12*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0007	SF	Stain Exterior Wood Smooth Siding, 2 Coats Stain, Sprayed	1.36	
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 93 13 13-0008		Stain Rough Wood Walls *(09 93 13 13-0002)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 93 13 13-0009	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Brush Work	1.42	
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 93 13 13-0010	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Brush Work	2.64	
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 93 13 13-0011	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Sprayed	1.18	
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 93 13 13-0012	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Sprayed	2.25	
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 93 13 13-0013		Stain Wood Ceilings *(09 93 13 13-0001)*		
09 93 13 13-0014		Stain Smooth Wood Ceilings *(09 93 13 13-0013)*		
		Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 93 13 13-0015	SF	Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Brush Work	1.09	
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 93 13 13-0016	SF	Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Brush Work	2.00	
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0017	SF	Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Sprayed	0.72	
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 93 13 13-0018	SF	Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Sprayed	1.35	
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 93 13 13-0019		Ceilings Rough Wood *(09 93 13 13-0013)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 93 13 13-0020	SF	Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Brush Work	1.55	
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 93 13 13-0021	SF	Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Brush Work	2.73	
		For Work >20' To 30' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 93 13 13-0022	SF	Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Sprayed	1.29	
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 93 13 13-0023	SF	Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Sprayed	2.37	
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 93 13 13-0024		Stain Wood Decks *(09 93 13 13-0001)*		
09 93 13 13-0025	SF	Stain Exterior Wood Floors And Decks, 1 Coat Stain, Brush Work	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 93 13 13-0026	SF	Stain Exterior Wood Floors And Decks, 2 Coats Stain, Brush Work	1.72	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0027	SF	Stain Exterior Wood Floors And Decks, 1 Coat Stain, Sprayed	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 93 13 13-0028	SF	Stain Exterior Wood Floors And Decks, 2 Coats Stain, Sprayed	1.23	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 93 13 13-0029		Stain Wood Posts And Trim *(09 93 13 13-0001)*		
09 93 13 13-0030	SF	Stain Exterior Wood Posts And Trim, 1 Coat Stain, Brush Work	1.63	
		For Oil Based Paint, Add	*0.10*	
09 93 13 13-0031	SF	Stain Exterior Wood Posts And Trim, 2 Coats Stain, Brush Work	2.97	
		For Oil Based Paint, Add	*0.19*	
09 93 13 13-0032	SF	Stain Exterior Wood Posts And Trim, 1 Coat Stain, Sprayed	1.35	
		For Oil Based Paint, Add	*0.09*	
09 93 13 13-0033	SF	Stain Exterior Wood Posts And Trim, 2 Coats Stain, Sprayed	2.54	
		For Oil Based Paint, Add	*0.17*	
09 93 13 13-0034		Pre-Stain Wood Conditioner *(09 93 13 13)*		
		Note: Measured by surface area of wall or ceiling.		
09 93 13 13-0035	SF	Pre-Stain Wood Conditioner, Brush/Roller Work	0.83	
		For Ceiling Work, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.08*	
09 93 13 13-0036		Rustic Brown Stain, Field Applied (Natina Or Equal) *(09 93 13 13)*		
09 93 13 13-0037	LF	Stain Existing Chain Link Fence, Up To 6' Height, Rustic Brown Finish	10.26	
		Note: Includes posts and both sides		
09 93 13 13-0038	LF	Stain Existing Chain Link Fence, >6' To 10' Height, Rustic Brown Finish	17.11	
		Note: Includes posts and both sides		
09 93 13 13-0039	LF	Stain Existing Cable Barrier Fence, Rustic Brown Finish	5.65	
		Note: Includes posts and all sides		
09 93 13 13-0040	EA	Stain Existing Gate, Up To 6' Wide, Rustic Brown Finish	147.43	
		Note: Includes posts and both sides		
09 93 13 13-0041	EA	Stain Existing Gate, >6' To 10' Wide, Rustic Brown Finish	245.72	
		Note: Includes posts and both sides		
09 93 13 13-0042	EA	Stain Existing Gate, >10' To 16' Wide, Rustic Brown Finish	393.15	
		Note: Includes posts and both sides		
09 93 13 13-0043	LF	Stain Existing Up To 4" Diameter Pole, Rustic Brown Finish	3.03	
09 93 13 13-0044	LF	Stain Existing 6" To 8" Diameter Pole, Rustic Brown Finish	3.90	
09 93 13 13-0045	LF	Stain Existing 10" To 12" Diameter Pole, Rustic Brown Finish	5.27	
09 93 13 13-0046	SF	Stain Existing Steel Surface, Rustic Brown Finish	1.19	
		Note: Single side		
09 93 13 53		**Exterior Finishing** *(09 93 13)*		
09 93 13 53-0001		Stain Sealer *(09 93 13 53)*		
		Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002	SF	Stain Sealer, Brush Work	0.92	
		For Ceiling Work, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.08*	
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.74	
		For Ceiling Work, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.30	
		For Ceiling Work, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 93 23		**Interior Staining and Finishing** *(09 93)*		
		Note: VOC compliant in all regulated areas, review specifications for levels.		
09 93 23 13		**Interior Staining** *(09 93 23)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0001		**Stain Wood Trim** *(09 93 23 13)*		
09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.11	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >4,000, Deduct	*-0.06*	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.64	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >4,000, Deduct	*-0.08*	
09 93 23 13-0004		**Stain Wood Floor** *(09 93 23 13)*		
09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.54	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >4,000, Deduct	*-0.03*	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.40	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >4,000, Deduct	*-0.02*	
09 93 23 13-0007		**Stain Wood Door And Window** *(09 93 23 13)*		
09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	52.86	
		For Up To 4, Add	*38.33*	
		For >4 To 10, Add	*17.95*	
		For >10 To 20, Add	*7.71*	
		For >160, Deduct	*-2.64*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	37.94	
		For Up To 4, Add	*26.52*	
		For >4 To 10, Add	*12.47*	
		For >10 To 20, Add	*5.37*	
		For >160, Deduct	*-1.90*	
09 93 23 13-0010		**Stain Wood Cabinet** *(09 93 23 13)*		
09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.33	
09 93 23 53		**Interior Finishing** *(09 93 23)*		
09 93 23 53-0001		**Concrete Finishes** *(09 93 23 53)*		
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.81	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0003		**Wood Trim Finishes** *(09 93 23 53)*		
09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.37	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >4,000, Deduct	*-0.07*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.89	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0006		**Wood Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	3.08	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
		For >4,000, Deduct	*-0.15*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.69	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >4,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	3.55	
		For Up To 100, Add	*2.45*	
		For >100 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.50*	
		For >4,000, Deduct	*-0.18*	
09 93 23 53-0010		**Wood Door And Window Finishes** *(09 93 23 53)* See CSI section 08 14 16 00-0783 for factory finish.		
09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	38.20	
		For Up To 4, Add	*27.61*	
		For >4 To 10, Add	*12.94*	
		For >10 To 20, Add	*5.56*	
		For >160, Deduct	*-1.91*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	116.38	
		For Up To 4, Add	*82.50*	
		For >4 To 10, Add	*38.74*	
		For >10 To 20, Add	*16.66*	
		For >160, Deduct	*-5.82*	
09 93 23 53-0013		**Cabinet Finishes** *(09 93 23 53)*		
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.34	
09 93 23 53-0015		**Gym, Stage And Dance Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	0.90	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.94	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.02	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.10	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.94	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.02	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.10	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0023	EA	Minimum Service Charge For Repair Of Wood Gym, Stage Or Dance Floor	759.52	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001		**Anti-Graffiti Coating** *(09 96 23)*		
09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.43	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.53	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001		**Elastomeric** *(09 96 53)* Note: Per coat.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.85	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.73	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	1.92	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.79	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.04	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	0.96	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.82	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.73	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.04	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	1.90	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.12	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0014	SF	1 Coat, 20 Wet Mils, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLOR 3555V)	2.31	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 96 53 00-0015	SF	1 Coat, 20 Wet Mils, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLOR 3555V)	2.18	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 96 53 00-0016	SF	1 Coat, 20 Wet Mils, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLOR 3555V)	2.43	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.49*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0017	SF	1 Coat, 20 Wet Mils, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLOR 3555V)		2.29	
		For Work >15' To 20' Above Floor, Add		*0.11*	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		*0.19*	
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add		*0.30*	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		*0.42*	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		*0.80*	
		For >100 To 250, Add		*0.42*	
		For >250 To 500, Add		*0.19*	
		For >2,500 To 5,000, Deduct		*-0.11*	
		For >5,000 To 10,000, Deduct		*-0.23*	
		For >10,000 To 20,000, Deduct		*-0.34*	
		For >20,000, Deduct		*-0.46*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy		2.88	

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass		5.81	

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On		4.05	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On		7.26	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On		10.85	

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On		3.30	

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Solvent Cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 1.

09 97 13 23-0003	SF	Type 1 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation		0.72	
		For Up To 100, Add		*0.54*	
		For >100 To 250, Add		*0.25*	
		For >250 To 500, Add		*0.11*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation		0.69	
		For Up To 100, Add		*0.52*	
		For >100 To 250, Add		*0.24*	
		For >250 To 500, Add		*0.10*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation		0.69	
		For Up To 100, Add		*0.52*	
		For >100 To 250, Add		*0.24*	
		For >250 To 500, Add		*0.10*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation		0.93	
		For Up To 100, Add		*0.70*	
		For >100 To 250, Add		*0.33*	
		For >250 To 500, Add		*0.14*	
09 97 13 23-0007	SF	>14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation		0.84	
		For Up To 100, Add		*0.63*	
		For >100 To 250, Add		*0.29*	
		For >250 To 500, Add		*0.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0008			SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
			Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.		
09 97 13 23-0009		SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.44	
			For Up To 100, Add	*1.08*	
			For >100 To 250, Add	*0.50*	
			For >250 To 500, Add	*0.22*	
09 97 13 23-0010		SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.38	
			For Up To 100, Add	*1.04*	
			For >100 To 250, Add	*0.48*	
			For >250 To 500, Add	*0.21*	
09 97 13 23-0011		SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.38	
			For Up To 100, Add	*1.04*	
			For >100 To 250, Add	*0.48*	
			For >250 To 500, Add	*0.21*	
09 97 13 23-0012		SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	1.87	
			For Up To 100, Add	*1.40*	
			For >100 To 250, Add	*0.65*	
			For >250 To 500, Add	*0.28*	
09 97 13 23-0013		SF	>14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	1.69	
			For Up To 100, Add	*1.27*	
			For >100 To 250, Add	*0.59*	
			For >250 To 500, Add	*0.25*	
09 97 13 23-0014			SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
			Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		
09 97 13 23-0015		SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.82	
			For Up To 100, Add	*1.37*	
			For >100 To 250, Add	*0.64*	
			For >250 To 500, Add	*0.27*	
09 97 13 23-0016		SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.75	
			For Up To 100, Add	*1.31*	
			For >100 To 250, Add	*0.61*	
			For >250 To 500, Add	*0.26*	
09 97 13 23-0017		SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.75	
			For Up To 100, Add	*1.31*	
			For >100 To 250, Add	*0.61*	
			For >250 To 500, Add	*0.26*	
09 97 13 23-0018		SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.37	
			For Up To 100, Add	*1.78*	
			For >100 To 250, Add	*0.83*	
			For >250 To 500, Add	*0.36*	
09 97 13 23-0019		SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.13	
			For Up To 100, Add	*1.60*	
			For >100 To 250, Add	*0.75*	
			For >250 To 500, Add	*0.32*	
09 97 13 23-0020			SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
			Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0021		SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.22	
			For Up To 100, Add	*3.74*	
			For >100 To 250, Add	*1.75*	
			For >250 To 500, Add	*0.75*	
09 97 13 23-0022		SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.48	
			For Up To 100, Add	*3.19*	
			For >100 To 250, Add	*1.50*	
			For >250 To 500, Add	*0.64*	
09 97 13 23-0023		SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.11	
			For Up To 100, Add	*2.91*	
			For >100 To 250, Add	*1.37*	
			For >250 To 500, Add	*0.59*	
09 97 13 23-0024		SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	6.32	
			For Up To 100, Add	*4.56*	
			For >100 To 250, Add	*2.14*	
			For >250 To 500, Add	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0025	SF	>14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	5.72	
		For Up To 100, Add	*4.11*	
		For >100 To 250, Add	*1.93*	
		For >250 To 500, Add	*0.83*	

09 97 13 23-0026 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0027	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.69	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0028	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.34	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0029	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.18	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0030	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.37	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0031	SF	>14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.05	
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	

09 97 13 23-0032 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0033	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.05	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0034	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.93	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0035	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.92	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0036	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.31	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0037	SF	>14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.18	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	

09 97 13 23-0038 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

09 97 13 23-0039	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.89	
		For Up To 100, Add	*2.77*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0040	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.31	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0041		SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.13	
			For Up To 100, Add	*2.22*	
			For >100 To 250, Add	*1.04*	
			For >250 To 500, Add	*0.45*	
09 97 13 23-0042		SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	4.59	
			For Up To 100, Add	*3.32*	
			For >100 To 250, Add	*1.55*	
			For >250 To 500, Add	*0.67*	
09 97 13 23-0043		SF	>14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	4.15	
			For Up To 100, Add	*2.99*	
			For >100 To 250, Add	*1.40*	
			For >250 To 500, Add	*0.60*	
09 97 13 23-0044			SSPC SP11 Bare Metal Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*		
			Note: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. The profile shall not be less than 1 mil. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 11.		
09 97 13 23-0045		SF	Type 1 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	7.19	
09 97 13 23-0046		SF	Type 2 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	6.91	
09 97 13 23-0047		SF	Type 3 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	6.91	
09 97 13 23-0048		SF	Up To 14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation	9.34	
09 97 13 23-0049		SF	>14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation	8.42	
09 97 13 23-0050			Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*		
			Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0051			1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0052		SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.20	
			For Up To 100, Add	*0.78*	
			For >100 To 250, Add	*0.37*	
			For >250 To 500, Add	*0.16*	
09 97 13 23-0053		SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.89	
			For Up To 100, Add	*0.57*	
			For >100 To 250, Add	*0.27*	
			For >250 To 500, Add	*0.12*	
09 97 13 23-0054		SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.81	
			For Up To 100, Add	*0.51*	
			For >100 To 250, Add	*0.24*	
			For >250 To 500, Add	*0.10*	
09 97 13 23-0055		SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.43	
			For Up To 100, Add	*0.96*	
			For >100 To 250, Add	*0.45*	
			For >250 To 500, Add	*0.20*	
09 97 13 23-0056		SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.43	
			For Up To 100, Add	*0.95*	
			For >100 To 250, Add	*0.45*	
			For >250 To 500, Add	*0.19*	
09 97 13 23-0057		SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.07	
			For Up To 100, Add	*0.70*	
			For >100 To 250, Add	*0.33*	
			For >250 To 500, Add	*0.14*	
09 97 13 23-0058		SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.96	
			For Up To 100, Add	*0.62*	
			For >100 To 250, Add	*0.29*	
			For >250 To 500, Add	*0.13*	
09 97 13 23-0059		SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.71	
			For Up To 100, Add	*1.17*	
			For >100 To 250, Add	*0.55*	
			For >250 To 500, Add	*0.24*	
09 97 13 23-0060			1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0061		SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.53	
			For Up To 100, Add	*2.28*	
			For >100 To 250, Add	*1.08*	
			For >250 To 500, Add	*0.47*	
09 97 13 23-0062		SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.56	
			For Up To 100, Add	*1.58*	
			For >100 To 250, Add	*0.76*	
			For >250 To 500, Add	*0.33*	
09 97 13 23-0063		SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.38	
			For Up To 100, Add	*1.45*	
			For >100 To 250, Add	*0.69*	
			For >250 To 500, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.28	
		For Up To 100, Add	*2.83*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.64	
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.92	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0067	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.78	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.21	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0069	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.53	
		For Up To 100, Add	*3.03*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.62*	
09 97 13 23-0070	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.25	
		For Up To 100, Add	*2.10*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0071	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.01	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0072	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.52	
		For Up To 100, Add	*3.76*	
		For >100 To 250, Add	*1.77*	
		For >250 To 500, Add	*0.76*	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.39	
		For Up To 100, Add	*2.27*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.43	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0075	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.25	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0076	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.14	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.57*	

09 97 13 23-0077 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0050)*

09 97 13 23-0078	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.72	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0079	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.23	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0080	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.05	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0081	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.37	
		For Up To 100, Add	*2.25*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0082	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.75	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0083	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.43	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0084	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.30	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0085	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.16	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0086	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.24	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0087	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.63	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0088	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.41	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0089	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.02	
		For Up To 100, Add	*2.74*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0090	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.07	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0091	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.69	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0092	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.55	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0093	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.59	
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0094		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0095	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.52	
		For Up To 100, Add	*2.64*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0096	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.31	
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.95	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0098	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.11	
		For Up To 100, Add	*3.06*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.16	
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.32	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.06	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.58	
		For Up To 100, Add	*2.15*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0103		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0104	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	4.87	
		For Up To 100, Add	*2.69*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.63	
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0106	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.27	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.47	
		For Up To 100, Add	*3.11*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0108	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.00	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0109	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.98	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0110	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.68	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0111	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.49	
		For Up To 100, Add	*2.55*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.54*	

09 97 13 23-0112 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0050)*

09 97 13 23-0113	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.18	
		For Up To 100, Add	*5.79*	
		For >100 To 250, Add	*2.79*	
		For >250 To 500, Add	*1.22*	
09 97 13 23-0114	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.76	
		For Up To 100, Add	*4.16*	
		For >100 To 250, Add	*2.03*	
		For >250 To 500, Add	*0.89*	
09 97 13 23-0115	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.49	
		For Up To 100, Add	*3.96*	
		For >100 To 250, Add	*1.93*	
		For >250 To 500, Add	*0.85*	
09 97 13 23-0116	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.79	
		For Up To 100, Add	*6.96*	
		For >100 To 250, Add	*3.34*	
		For >250 To 500, Add	*1.45*	

09 97 13 23-0117 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0050)*

09 97 13 23-0118	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.40	
		For Up To 100, Add	*2.83*	
		For >100 To 250, Add	*1.38*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0119	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.29	
		For Up To 100, Add	*2.01*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0120	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.12	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0121	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.10	
		For Up To 100, Add	*3.32*	
		For >100 To 250, Add	*1.61*	
		For >250 To 500, Add	*0.71*	
09 97 13 23-0122	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.26	
		For Up To 100, Add	*2.23*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0123	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.39	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0124	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.24	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0125	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	4.82	
		For Up To 100, Add	*2.62*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.56*	

09 97 13 23-0126 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0127	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.52	
		For Up To 100, Add	*2.70*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0128	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.68	
		For Up To 100, Add	*2.13*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0129	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.42	
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0130	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	5.56	
		For Up To 100, Add	*3.46*	
		For >100 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.72*	
09 97 13 23-0131		One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0132	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.33	
		For Up To 100, Add	*2.73*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0133	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.09	
		For Up To 100, Add	*1.83*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0134	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.64	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0135	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.93	
		For Up To 100, Add	*3.14*	
		For >100 To 250, Add	*1.49*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0136		One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0137	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.37	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0138	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.74	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0139	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.65	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0140	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.49	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0141		Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0050)*		
		Note: Installed over existing primer.		
09 97 13 23-0142	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.61	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0143	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.96	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0144	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.60	
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0145	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.18	
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0146		Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior *(09 97 13 23-0050)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0147	SF	Spray Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior	7.78	
		For Up To 100, Add	*4.93*	
		For >100 To 250, Add	*2.35*	
		For >250 To 500, Add	*1.02*	

09 97 13 23-0148 One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior *(09 97 13 23-0050)*

09 97 13 23-0149	SF	Spray Up To 14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior	5.23	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0150	SF	Spray >14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior	5.08	
		For Up To 100, Add	*2.55*	
		For >100 To 250, Add	*1.25*	
		For >250 To 500, Add	*0.55*	

09 97 13 23-0151 Hot Stick Galvanizing *(09 97 13 23)*

09 97 13 23-0152	SI	Hot Stick Galvanizing Note: Includes wire brush cleaning, heating with torch, applying stick galvanizing and final wire brush cleaning.	3.42	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0003	SF	Small Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation	0.69	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0004	SF	Large Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation	0.61	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP1 Chemical Or Steam Cleaning Surface Preparation	0.86	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	

09 97 13 24-0006 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0007	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.38	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0008	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.22	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.73	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	

09 97 13 24-0010 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0011	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.88	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0012	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.72	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.24	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	

09 97 13 24-0014 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0015	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.17	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0016	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.98	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.90	
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0018		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0019	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.92	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.56*	
09 97 13 24-0020	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.74	
		For Up To 100, Add	*2.64*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.53*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	5.47	
		For Up To 100, Add	*3.94*	
		For >100 To 250, Add	*1.85*	
		For >250 To 500, Add	*0.79*	
09 97 13 24-0022		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0023	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.13	
		For Up To 100, Add	*2.22*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
09 97 13 24-0024	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.13	
		For Up To 100, Add	*2.22*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
09 97 13 24-0025	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	4.59	
		For Up To 100, Add	*3.32*	
		For >100 To 250, Add	*1.55*	
		For >250 To 500, Add	*0.67*	
09 97 13 24-0026		SSPC SP11 Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0027	SF	Small Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	6.91	
09 97 13 24-0028	SF	Large Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	6.11	
09 97 13 24-0029	SF	Vessel/Tank Interior SP11 Power Tool Cleaning Surface Preparation	8.62	
09 97 13 24-0030		Protective Coatings For Tanks *(09 97 13 24)*		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0031		1.5 Mil Prime Coat For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0032	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.71	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0033	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.58	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0034	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.34	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0035	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.82	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0036	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.67	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0037	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.61	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0038		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0039	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.09	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0040	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.63	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0041	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.81	
		For Up To 100, Add	*2.53*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	
09 97 13 24-0042	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.57	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0043	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.23	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0044	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.87	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0045	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.61	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0046	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.01	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0047	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.94	
		For Up To 100, Add	*3.38*	
		For >100 To 250, Add	*1.59*	
		For >250 To 500, Add	*0.69*	
09 97 13 24-0048	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.97	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0049	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.51	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0050	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.71	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	

09 97 13 24-0051 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0052	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.86	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0053	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.58	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0054	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.94	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.55*	
09 97 13 24-0055	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.18	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0056	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.00	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0057	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.52	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0058	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.18	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0059	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.85	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0060	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.01	
		For Up To 100, Add	*3.61*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0061	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.39	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0062	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.18	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0063	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.30	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	
09 97 13 24-0064		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0065	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.74	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0066	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.37	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0067	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.92	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.66	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0069		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0070	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.05	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0071	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.68	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0072	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.50	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0073	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.20	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0074		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0075	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.23	
		For Up To 100, Add	*3.81*	
		For >100 To 250, Add	*1.86*	
		For >250 To 500, Add	*0.82*	
09 97 13 24-0076	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.68	
		For Up To 100, Add	*3.40*	
		For >100 To 250, Add	*1.67*	
		For >250 To 500, Add	*0.73*	
09 97 13 24-0077	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.87	
		For Up To 100, Add	*6.54*	
		For >100 To 250, Add	*3.13*	
		For >250 To 500, Add	*1.36*	
09 97 13 24-0078		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0079	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.82	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0080	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.43	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0081	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.61	
		For Up To 100, Add	*3.13*	
		For >100 To 250, Add	*1.52*	
		For >250 To 500, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0082	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.02	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.70	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0084	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.43	
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	

09 97 13 24-0085 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0086	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.39	
		For Up To 100, Add	*1.93*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
09 97 13 24-0087	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.84	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0088	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.29	
		For Up To 100, Add	*2.61*	
		For >100 To 250, Add	*1.25*	
		For >250 To 500, Add	*0.54*	

09 97 13 24-0089 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0090	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.35	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0091	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.16	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0092	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.53	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	

09 97 13 24-0093 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0030)*

09 97 13 24-0094	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.14	
		For Up To 100, Add	*2.96*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.62*	
09 97 13 24-0095	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.18	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	

09 97 13 24-0096 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0097	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.53	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0098	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.50	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0099	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.36	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	

09 97 13 24-0100 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0030)*

Note: Installed over existing primer.

09 97 13 24-0101	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.48	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0102	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.20	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0103	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.39	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0104		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0105	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	8.82	
		For Up To 100, Add	*5.47*	
		For >100 To 250, Add	*2.61*	
		For >250 To 500, Add	*1.13*	
09 97 13 24-0106		One 3 Mil Epoxy Primer And Two 6 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*		
09 97 13 24-0107	SF	Brush One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Contact Area Between Rafters And Underside of Tank Roof Note: Devran 233H	3.63	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
09 97 13 24-0108	SF	Spray One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Rafters, Underside Of Tank Roof, And Walls 2' Above Floor Note: Devran 233H	3.32	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0109		One 15 Mil Epoxy Primer And One 15 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*		
09 97 13 24-0110	SF	Spray One 15 Mil Epoxy Primer And Spray One 15 Mil Epoxy Finish Coats For Tank Floor Interior And Up To 3' Of Wall Note: Applied in 5 mil coats.	7.49	
		For Up To 100, Add	*3.48*	
		For >100 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.77*	
09 97 13 24-0111		One 2 To 4 Mil Inorganic Zinc Primer, One 4 To 6 Mil Epoxy Intermediate Coat And One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior *(09 97 13 24-0030)*		
09 97 13 24-0112	SF	Spray One 2 To 4 Mil Inorganic Zinc Primer, Spray One 4 To 6 Mil Epoxy Intermediate Coat And Spray One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior Note: Devoe: Catha-Coat 302H primer, Bar-Rust 231H intermediate, and Devthane 379H finish or Tnemec: 91H2O Hydro-Zinc primer, N140F Pota-Pox intermediate, and 1075 Endura-Shield finish.	2.87	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0113		Polyamide Epoxy Exterior Prime Coat For Tanks (Macropoxy 646 FC) *(09 97 13 24-0030)*		
09 97 13 24-0114	SF	Spray 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	1.94	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.22*	
09 97 13 24-0115	SF	Spray 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	2.86	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.32*	
09 97 13 24-0116	SF	Spray 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	3.28	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000, Deduct	*-0.36*	
09 97 13 24-0117	SF	Brush 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	2.26	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0118	SF	Brush 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	3.31	
		For Up To 100, Add	*1.83*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000, Deduct	*-0.39*	
09 97 13 24-0119	SF	Brush 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	3.80	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000, Deduct	*-0.44*	

09 97 13 24-0120 Aliphatic Acrylic Polyurethane Exterior Topcoat For Tanks (High-Solids Polyurethane 250) *(09 97 13 24-0030)*

09 97 13 24-0121	SF	Spray 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	1.71	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.18*	
09 97 13 24-0122	SF	Spray 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	2.16	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.22*	
09 97 13 24-0123	SF	Brush 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	1.95	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.21*	
09 97 13 24-0124	SF	Brush 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	2.45	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.26*	

09 97 13 24-0125 Polyamide Epoxy Submerged Primer/Stripe Coat For Tanks (Macropoxy 646 PW) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0894 for confined space ventilation.

09 97 13 24-0126	SF	Spray 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.10	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*0.51*	
09 97 13 24-0127	SF	Spray 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	1.94	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*0.38*	
09 97 13 24-0128	SF	Spray 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.15	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*0.40*	
09 97 13 24-0129	SF	Spray 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.68	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*0.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0130	SF	Spray 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.09	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*0.53*	
09 97 13 24-0131	SF	Brush 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	1.47	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.32*	
09 97 13 24-0132	SF	Brush 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.26	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*0.47*	
09 97 13 24-0133	SF	Brush 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.50	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*0.51*	
09 97 13 24-0134	SF	Brush 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.09	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*0.60*	
09 97 13 24-0135	SF	Brush 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.54	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*0.67*	
09 97 13 24-0136		Amine Epoxy Submerged Topcoat For Tanks (Sherplate PW Epoxy) *(09 97 13 24-0030)*		
		See CSI section 01 22 23 00-0894 for confined space ventilation.		
09 97 13 24-0137	SF	Spray 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	3.63	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*0.60*	
09 97 13 24-0138	SF	Spray 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	4.42	
		For Up To 100, Add	*2.09*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.22*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*0.71*	
09 97 13 24-0139	SF	Spray 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	5.17	
		For Up To 100, Add	*2.40*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.53*	
		For >2,500 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*0.81*	
09 97 13 24-0140	SF	Spray 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	6.27	
		For Up To 100, Add	*2.85*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.63*	
		For >2,500 To 5,000, Deduct	*-0.31*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*0.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0141	SF	Spray 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	7.34	
		For Up To 100, Add	*3.29*	
		For >100 To 250, Add	*1.64*	
		For >250 To 500, Add	*0.73*	
		For >2,500 To 5,000, Deduct	*-0.37*	
		For >5,000 To 10,000, Deduct	*-0.55*	
		For >10,000, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*1.09*	
09 97 13 24-0142	SF	Spray 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	8.34	
		For Up To 100, Add	*3.67*	
		For >100 To 250, Add	*1.84*	
		For >250 To 500, Add	*0.82*	
		For >2,500 To 5,000, Deduct	*-0.42*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*1.21*	
09 97 13 24-0143	SF	Spray 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	9.71	
		For Up To 100, Add	*4.20*	
		For >100 To 250, Add	*2.11*	
		For >250 To 500, Add	*0.94*	
		For >2,500 To 5,000, Deduct	*-0.49*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*1.37*	
09 97 13 24-0144	SF	Brush 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	4.14	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.21*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*0.75*	
09 97 13 24-0145	SF	Brush 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	5.02	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.55*	
		For >2,500 To 5,000, Deduct	*-0.25*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*0.89*	
09 97 13 24-0146	SF	Brush 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	5.85	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.63*	
		For >2,500 To 5,000, Deduct	*-0.29*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*1.01*	
09 97 13 24-0147	SF	Brush 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	7.11	
		For Up To 100, Add	*3.48*	
		For >100 To 250, Add	*1.72*	
		For >250 To 500, Add	*0.76*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*1.21*	
09 97 13 24-0148	SF	Brush 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	8.29	
		For Up To 100, Add	*4.00*	
		For >100 To 250, Add	*1.98*	
		For >250 To 500, Add	*0.87*	
		For >2,500 To 5,000, Deduct	*-0.41*	
		For >5,000 To 10,000, Deduct	*-0.64*	
		For >10,000, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*1.38*	
09 97 13 24-0149	SF	Brush 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	9.39	
		For Up To 100, Add	*4.46*	
		For >100 To 250, Add	*2.21*	
		For >250 To 500, Add	*0.98*	
		For >2,500 To 5,000, Deduct	*-0.47*	
		For >5,000 To 10,000, Deduct	*-0.72*	
		For >10,000, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*1.52*	
09 97 13 24-0150	SF	Brush 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	10.89	
		For Up To 100, Add	*5.08*	
		For >100 To 250, Add	*2.53*	
		For >250 To 500, Add	*1.12*	
		For >2,500 To 5,000, Deduct	*-0.54*	
		For >5,000 To 10,000, Deduct	*-0.83*	
		For >10,000, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*1.73*	

09 97 13 24-0151 Epoxy Exterior Prime Coat For Tanks (Bar-Rust 231) *(09 97 13 24-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0152	SF	Spray 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	1.42	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.18*	
09 97 13 24-0153	SF	Spray 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	1.98	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.25*	
09 97 13 24-0154	SF	Spray 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.44	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.31*	
09 97 13 24-0155	SF	Brush 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.09	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.25*	
09 97 13 24-0156	SF	Brush 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.74	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.33*	
09 97 13 24-0157	SF	Brush 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	3.40	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.40*	

09 97 13 24-0158 Aliphatic Urethane Exterior Topcoat For Tanks (Devthane 359) *(09 97 13 24-0030)*

09 97 13 24-0159	SF	Spray 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	1.99	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.21*	
09 97 13 24-0160	SF	Spray 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.80	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.29*	
09 97 13 24-0161	SF	Brush 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.27	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.25*	
09 97 13 24-0162	SF	Brush 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	3.17	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000, Deduct	*-0.35*	

09 97 13 24-0163 Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0894 for confined space ventilation.

09 97 13 24-0164	SF	Spray 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.45	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0165	SF	Spray 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.99	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*0.45*	
09 97 13 24-0166	SF	Brush 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.74	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*0.42*	
09 97 13 24-0167	SF	Brush 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	2.39	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*0.57*	

09 97 13 24-0168 Epoxy Submerged Topcoat For Tanks (Bar-Rust 234P) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0894 for confined space ventilation.

09 97 13 24-0169	SF	Spray 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	4.70	
		For Up To 100, Add	*2.32*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.50*	
		For >2,500 To 5,000, Deduct	*-0.24*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*0.81*	
09 97 13 24-0170	SF	Spray 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	5.61	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.60*	
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.44*	
		For >10,000, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*0.96*	
09 97 13 24-0171	SF	Spray 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.36	
		For Up To 100, Add	*3.08*	
		For >100 To 250, Add	*1.52*	
		For >250 To 500, Add	*0.67*	
		For >2,500 To 5,000, Deduct	*-0.32*	
		For >5,000 To 10,000, Deduct	*-0.50*	
		For >10,000, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*1.06*	
09 97 13 24-0172	SF	Spray 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.06	
		For Up To 100, Add	*3.36*	
		For >100 To 250, Add	*1.67*	
		For >250 To 500, Add	*0.74*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.55*	
		For >10,000, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*1.15*	
09 97 13 24-0173	SF	Spray 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.84	
		For Up To 100, Add	*3.70*	
		For >100 To 250, Add	*1.84*	
		For >250 To 500, Add	*0.81*	
		For >2,500 To 5,000, Deduct	*-0.39*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.26*	
09 97 13 24-0174	SF	Spray 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.60	
		For Up To 100, Add	*4.03*	
		For >100 To 250, Add	*2.00*	
		For >250 To 500, Add	*0.89*	
		For >2,500 To 5,000, Deduct	*-0.43*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*1.37*	
09 97 13 24-0175	SF	Brush 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	5.54	
		For Up To 100, Add	*2.95*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.63*	
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.45*	
		For >10,000, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*1.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0176	SF	Brush 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.45	
		For Up To 100, Add	*3.39*	
		For >100 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.73*	
		For >2,500 To 5,000, Deduct	*-0.32*	
		For >5,000 To 10,000, Deduct	*-0.52*	
		For >10,000, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*1.21*	
09 97 13 24-0177	SF	Brush 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.28	
		For Up To 100, Add	*3.77*	
		For >100 To 250, Add	*1.84*	
		For >250 To 500, Add	*0.81*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000 To 10,000, Deduct	*-0.59*	
		For >10,000, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.34*	
09 97 13 24-0178	SF	Brush 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.06	
		For Up To 100, Add	*4.11*	
		For >100 To 250, Add	*2.02*	
		For >250 To 500, Add	*0.89*	
		For >2,500 To 5,000, Deduct	*-0.40*	
		For >5,000 To 10,000, Deduct	*-0.65*	
		For >10,000, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*1.45*	
09 97 13 24-0179	SF	Brush 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.94	
		For Up To 100, Add	*4.53*	
		For >100 To 250, Add	*2.22*	
		For >250 To 500, Add	*0.98*	
		For >2,500 To 5,000, Deduct	*-0.45*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*1.59*	
09 97 13 24-0180	SF	Brush 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	9.79	
		For Up To 100, Add	*4.92*	
		For >100 To 250, Add	*2.42*	
		For >250 To 500, Add	*1.07*	
		For >2,500 To 5,000, Deduct	*-0.49*	
		For >5,000 To 10,000, Deduct	*-0.78*	
		For >10,000, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*1.73*	

09 97 26 Cementitious Coatings *(09 97)*

09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001 Ceramic-Like Glazed Coating *(09 97 26 13)*

09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*

09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.45

09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*

09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.07

09 97 35 Dry Erase Coatings *(09 97)*

09 97 35 00-0001 Dry-Erase Paint *(09 97 35)*

09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*

09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	12.46

09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*

09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	6.85
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	13.35

09 97 63 Special Coatings and Protection Systems *(09 97)*

09 97 63 00-0001 Acrylic Glazed Coating *(09 97 63)*

09 97 63 00-0002	SF	Acrylic Glazed Coating	1.62

09 97 63 00-0003 Adsil HVAC Equipment Coatings *(09 97 63)*
Note: Shop applied. A small job has 1 to 6 units and a total of less than 100 tons. A large job has greater than 7 units and 100 tons.

09 97 63 00-0004	TON	<40 Ton Condenser, Small Job, Adsil HVAC Equipment Coating	220.69
		For Field Applied, Add	*33.10*
09 97 63 00-0005	TON	40 To 49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating	216.00
		For Field Applied, Add	*32.40*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0006	TON	>49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating	206.61	
		For Field Applied, Add	*30.99*	
09 97 63 00-0007	TON	<40 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	112.69	
09 97 63 00-0008	TON	40 To 49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	108.00	
09 97 63 00-0009	TON	>49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	103.30	
09 97 63 00-0010	TON	<40 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	42.26	
09 97 63 00-0011	TON	40 To 49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	37.56	
09 97 63 00-0012	TON	>49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	32.87	
09 97 63 00-0013	TON	51 To 100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating	214.82	
		For Field Applied, Add	*32.22*	
		For Cabinet, Add	*42.96*	
09 97 63 00-0014	TON	>100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating	196.04	
		For Field Applied, Add	*29.41*	
		For Cabinet, Add	*39.21*	
09 97 63 00-0015	TON	51 To 100 Ton Evaporator, Large Job Adsil HVAC Equipment Coating	103.30	
		For Cabinet, Add	*20.66*	
09 97 63 00-0016	TON	>100 Ton Evaporator, Large Job, Adsil HVAC Equipment Coating	98.61	
		For Cabinet, Add	*19.72*	

END OF SECTION 09

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 30 Operation and Maintenance of Fireplaces and Stoves *(10 01)*

10 01 30 00-0001 Fireplace Cleaning *(10 01 30)*

10 01 30 00-0002	EA	Inspect And Clean Fireplace Insert	243.01	
10 01 30 00-0003	EA	Inspect And Clean Fireplace Insert And Chimney	291.61	
10 01 30 00-0004	EA	Inspect And Clean Fireplace Brick/Masonry Chimney	388.81	

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*

Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	17.95	
10 01 40 00-0004	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	19.94	
10 01 40 00-0005	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	20.74	
10 01 40 00-0006	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	23.48	
10 01 40 00-0007	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	27.12	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	21.65	
10 01 40 00-0010	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher	26.21	
10 01 40 00-0011	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher	37.04	
10 01 40 00-0012	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher	58.47	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	21.43	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	152.72	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	213.81	
10 01 40 00-0017	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	88.02	

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	353.71	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	278.10	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	238.27	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	200.92	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	110.81	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	48.60	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	9.72	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	49.84	9.23
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.00	4.34
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.65	3.75
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.01	2.44
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.30	1.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	52.75	9.23
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	34.84	4.34
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	30.27	3.75
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.18	2.44
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.41	1.36
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	48.04	9.23
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	30.16	4.34
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	25.90	3.75
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	21.54	2.44
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.66	1.36
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards *(10 11 13 13)*		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	11.37	
10 11 13 13-0022		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0023		Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	16.51	4.34
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	19.75	4.34
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	23.97	5.97
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	29.63	10.85
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	16.82	5.97
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	16.43	5.97
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	17.53	5.97
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.62	5.97
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	17.53	5.97
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,320.43	108.50
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,606.27	108.50
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,952.48	115.56
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,284.59	115.56
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,094.52	124.24
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,359.43	124.24
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,926.52	130.20
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,584.13	130.20
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,173.06	108.50
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,765.14	108.50
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,309.64	115.56
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,853.25	115.56
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,533.19	124.24
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,772.77	124.24
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,770.59	130.20
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,570.30	130.20
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,536.59	108.50
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,020.71	108.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,544.28	115.56
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,100.01	115.56
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,176.52	124.24
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,431.52	124.24
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,595.68	130.20
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,480.83	130.20
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,774.81	108.50
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,062.86	108.50
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,349.58	115.56
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,849.66	115.56
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,217.28	124.24
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,678.80	124.24
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,072.40	108.50
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,519.60	108.50
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,967.68	115.56
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,790.48	115.56
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,302.37	124.24
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,049.16	124.24
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,562.76	108.50
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,172.43	108.50
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,782.97	115.56
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,927.39	115.56
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,596.76	124.24
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,648.65	124.24
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,921.10	217.01
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,176.23	217.01
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,460.34	223.79
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,927.63	223.79
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,443.75	230.56
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,894.52	230.56
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,874.73	244.13
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,999.43	244.13
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,039.53	217.01
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,376.83	217.01
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,753.04	223.79
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,439.77	223.79
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,122.45	230.56
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,775.03	230.56
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,099.16	244.13
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,296.78	244.13
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,242.53	217.01
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,093.84	217.01
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,544.51	223.79
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,437.46	223.79
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,375.93	230.56
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,278.79	230.56
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,059.20	244.13
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,406.86	244.13
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	670.70	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,145.49	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	50.02	9.23
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	32.64	4.34
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	27.65	3.75
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	23.24	2.44
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.04	1.36

10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	52.79	9.23
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	33.47	4.34
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	28.89	3.75
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.80	2.44
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	21.60	1.36

10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.

10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	48.02	9.23
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	30.17	4.34
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	27.24	3.75
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	21.68	2.44
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.35	1.36

10 11 16 13-0020 Melamine Markerboards *(10 11 16 13)*

10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes full length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	39.55	9.23
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	24.34	4.34
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	21.11	3.75
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	15.90	2.44
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.94	1.36

10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes marker tray and mounting hardware.

10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	38.61	9.23
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	23.90	4.34
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	20.49	3.75
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	14.79	2.44
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.94	1.36

10 11 16 13-0033 Nonporous, Non-Staining Markerboards *(10 11 16 13)*

10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	54.05	9.23
		For Magnetic Surface, Add	*3.56*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	35.77	4.34
		For Magnetic Surface, Add	*2.71*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	30.85	3.75
		For Magnetic Surface, Add	*2.34*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	27.33	2.44
		For Magnetic Surface, Add	*2.25*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	23.65	1.36
		For Magnetic Surface, Add	*2.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	54.05	9.23
		For Magnetic Surface, Add	*3.56*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	35.77	4.34
		For Magnetic Surface, Add	*2.71*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	30.85	3.75
		For Magnetic Surface, Add	*2.34*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	27.33	2.44
		For Magnetic Surface, Add	*2.25*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	23.65	1.36
		For Magnetic Surface, Add	*2.09*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	98.17	9.23
		For Magnetic Surface, Add	*7.97*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	62.28	4.34
		For Magnetic Surface, Add	*5.36*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	52.62	3.75
		For Magnetic Surface, Add	*4.51*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	44.55	2.44
		For Magnetic Surface, Add	*3.97*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	34.64	1.36
		For Magnetic Surface, Add	*3.19*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	24.32	3.75
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	20.84	2.44
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	17.59	1.36
10 11 16 13-0056		Removal And Reinstallation Of Markerboard *(10 11 16 13)*		
		Note: Includes storage and cleaning.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	65.10	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	75.95	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	86.81	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	97.65	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	108.50	
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	16.25	4.34
		Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.		
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	19.16	4.34
		Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.		
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	19.09	4.34
		Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032)	10.98	4.34
		Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*		
		See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,292.41	108.50
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,568.90	108.50
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,905.77	115.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,228.54	115.56
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,029.13	124.24
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,284.70	124.24
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,833.11	130.20
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,472.03	130.20
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,145.04	108.50
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,727.78	108.50
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,262.93	115.56
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,797.20	115.56
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,467.80	124.24
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,698.04	124.24
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,677.17	130.20
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,458.20	130.20
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,508.56	108.50
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,983.35	108.50
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,497.57	115.56
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,043.96	115.56
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,111.13	124.24
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,356.79	124.24
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,502.26	130.20
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,396.75	130.20
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,737.45	108.50
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,016.15	108.50
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,293.53	115.56
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,774.93	115.56
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,123.86	124.24
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,566.70	124.24
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,997.67	108.50
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,426.19	108.50
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,855.58	115.56
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,641.02	115.56
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,115.54	124.24
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,824.96	124.24
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,450.66	108.50
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,032.30	108.50
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,614.82	115.56
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,703.19	115.56
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,316.52	124.24
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,312.35	124.24
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*		
		Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,874.39	217.01
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,117.84	217.01
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,390.28	223.79
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,834.22	223.79
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,326.98	230.56
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,754.40	230.56
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,711.26	244.13
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,812.61	244.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,946.11	217.01
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,260.07	217.01
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,612.92	223.79
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,252.94	223.79
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,888.91	230.56
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,494.78	230.56
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,772.21	244.13
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,923.12	244.13
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,102.41	217.01
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,918.69	217.01
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,334.33	223.79
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,157.22	223.79
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,025.62	230.56
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,858.42	230.56
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,568.77	244.13
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,846.37	244.13
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	33.22	9.23
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.96	4.34
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.43	3.75
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.14	2.44
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.77	1.36
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	34.96	9.23
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	19.77	4.34
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.02	3.75
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.50	2.44
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.76	1.36
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	35.15	9.23
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.47	4.34
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	19.87	3.75
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.30	2.44
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.11	1.36
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	38.27	9.23
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	25.02	4.34
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.83	3.75
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.57	2.44
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.31	1.36
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.49	9.23
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.53	4.34
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.38	3.75
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.87	2.44
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.72	1.36
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	34.41	9.23
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	20.43	4.34
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	18.08	3.75
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.84	2.44
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.28	1.36
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	36.80	9.23
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.53	4.34
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	21.80	3.75
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.41	2.44
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.31	1.36
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	33.22	9.23
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	19.05	4.34
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	16.57	3.75
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.14	2.44
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.56	1.36
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	35.15	9.23
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	22.32	4.34
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	19.87	3.75
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.30	2.44
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.11	1.36
10 12		**Display Cases** *(10 10)*		
10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,620.15	166.23
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	1,749.16	166.23
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	1,696.62	166.23
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	1,679.62	73.89
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	3,370.27	166.23
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,203.48	166.23
10 13		**Directories** *(10 10)*		
10 13 11		**Directory and Bulletin Boards** *(10 13)*		
		Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001		Wall Mounted Directories *(10 13 11)*		
		Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)*		
		Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	55.53	9.23
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	36.50	4.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	33.18	3.75
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	25.40	2.44
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.34	1.36
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	56.08	9.23
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	36.86	4.34
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	33.92	3.75
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	24.20	2.44
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	20.89	1.36
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0015		Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*		
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	138.33	9.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	111.22	4.34
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	93.13	3.75
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	86.35	2.44
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.17	1.36
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0023		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*		
10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	118.87	9.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	96.19	3.75
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	69.00	2.44
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	62.20	1.36
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0028		Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*		
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	123.74	9.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.06*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	96.08	4.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.48*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	81.30	3.75
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.76*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	59.79	2.44
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.98*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	55.87	1.36
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.63*	
10 13 11 00-0035		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	191.12	9.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*34.54*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	111.14	4.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.49*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	93.62	3.75
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.23*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	72.22	2.44
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.47*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	66.89	1.36
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.84*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	187.72	9.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	125.55	4.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	122.05	3.75
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	135.02	9.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	108.74	4.34
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.65	3.75
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.01	2.44
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.07	1.36
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	112.99	9.23
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.61	3.75
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	64.69	2.44
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	58.89	1.36
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	126.76	9.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.66*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	99.10	4.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.08*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.32	3.75
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.37*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	62.81	2.44
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.59*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	58.89	1.36
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.24*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	194.14	9.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*35.14*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	114.16	4.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.10*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	96.64	3.75
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.83*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	75.24	2.44
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.07*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	69.91	1.36
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.44*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	184.70	9.23
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	122.54	4.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	119.06	3.75
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	539.25	27.11
		For >5 To 10, Deduct	*-58.23*	
		For >10 Each, Deduct	*-101.31*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	385.86	27.11
		For >5 To 10, Deduct	*-41.36*	
		For >10 Each, Deduct	*-69.10*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	423.63	27.11
		For >5 To 10, Deduct	*-45.51*	
		For >10 Each, Deduct	*-77.03*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	394.98	27.11
		For >5 To 10, Deduct	*-42.36*	
		For >10 Each, Deduct	*-71.02*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	271.25	27.11
		For >5 To 10, Deduct	*-28.75*	
		For >10 Each, Deduct	*-45.03*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	262.13	27.11
		For >5 To 10, Deduct	*-27.75*	
		For >10 Each, Deduct	*-43.12*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque	412.15	33.62
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-43.98*	
		For >10 Each, Deduct	*-71.64*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	420.53	33.62
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-44.90*	
		For >10 Each, Deduct	*-73.40*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	431.22	33.62
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-46.08*	
		For >10 Each, Deduct	*-75.64*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	477.86	67.78
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-51.21*	
		For >10 Each, Deduct	*-85.44*	
10 14 16 00-0014	SF	Bronze Built-up Plaque	408.00	67.78
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-43.52*	
		For >10 Each, Deduct	*-70.77*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	212.02	18.44
		For >5 To 10, Deduct	*-22.60*	
		For >10 Each, Deduct	*-36.57*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	300.25	18.44
		For >5 To 10, Deduct	*-32.30*	
		For >10 Each, Deduct	*-55.10*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	156.14	18.44
		For >5 To 10, Deduct	*-16.45*	
		For >10 Each, Deduct	*-24.83*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	150.47	18.44
		For >5 To 10, Deduct	*-15.83*	
		For >10 Each, Deduct	*-23.64*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	398.02	67.78
		For >5 To 10, Deduct	*-42.43*	
		For >10 Each, Deduct	*-68.67*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	50.45	6.78
		For Installation With Adhesive, Deduct	*-5.23*	
		For Clear Anodized, Add	*2.33*	
		For Satin Face And Enameled Return, Add	*7.00*	
		For Patina Finish, Add	*9.34*	
		For Color Anodized, Add	*11.67*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	59.81	7.32
		For Installation With Adhesive, Deduct	*-5.92*	
		For Clear Anodized, Add	*3.05*	
		For Satin Face And Enameled Return, Add	*9.16*	
		For Patina Finish, Add	*12.21*	
		For Color Anodized, Add	*15.26*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	65.56	7.86
		For Installation With Adhesive, Deduct	*-6.42*	
		For Clear Anodized, Add	*3.41*	
		For Satin Face And Enameled Return, Add	*10.23*	
		For Patina Finish, Add	*13.64*	
		For Color Anodized, Add	*17.06*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	75.29	9.00
		For Installation With Adhesive, Deduct	*-7.34*	
		For Clear Anodized, Add	*3.95*	
		For Satin Face And Enameled Return, Add	*11.85*	
		For Patina Finish, Add	*15.80*	
		For Color Anodized, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	82.85	9.49
		For Installation With Adhesive, Deduct	*-7.94*	
		For Clear Anodized, Add	*4.49*	
		For Satin Face And Enameled Return, Add	*13.47*	
		For Patina Finish, Add	*17.96*	
		For Color Anodized, Add	*22.45*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	99.04	10.84
		For Installation With Adhesive, Deduct	*-9.29*	
		For Clear Anodized, Add	*5.57*	
		For Satin Face And Enameled Return, Add	*16.70*	
		For Patina Finish, Add	*22.26*	
		For Color Anodized, Add	*27.83*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	110.19	11.39
		For Installation With Adhesive, Deduct	*-10.06*	
		For Clear Anodized, Add	*6.46*	
		For Satin Face And Enameled Return, Add	*19.39*	
		For Patina Finish, Add	*25.86*	
		For Color Anodized, Add	*32.32*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	126.01	12.20
		For Installation With Adhesive, Deduct	*-11.18*	
		For Clear Anodized, Add	*7.72*	
		For Satin Face And Enameled Return, Add	*23.16*	
		For Patina Finish, Add	*30.88*	
		For Color Anodized, Add	*38.61*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	153.36	14.10
		For Installation With Adhesive, Deduct	*-13.31*	
		For Clear Anodized, Add	*9.70*	
		For Satin Face And Enameled Return, Add	*29.09*	
		For Patina Finish, Add	*38.78*	
		For Color Anodized, Add	*48.48*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	183.57	16.27
		For Installation With Adhesive, Deduct	*-15.69*	
		For Clear Anodized, Add	*11.85*	
		For Satin Face And Enameled Return, Add	*35.55*	
		For Patina Finish, Add	*47.40*	
		For Color Anodized, Add	*59.25*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	201.62	18.08
		For Installation With Adhesive, Deduct	*-17.32*	
		For Clear Anodized, Add	*12.93*	
		For Satin Face And Enameled Return, Add	*38.78*	
		For Patina Finish, Add	*51.71*	
		For Color Anodized, Add	*64.64*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	225.32	19.52
		For Installation With Adhesive, Deduct	*-19.08*	
		For Clear Anodized, Add	*14.72*	
		For Satin Face And Enameled Return, Add	*44.17*	
		For Patina Finish, Add	*58.89*	
		For Color Anodized, Add	*73.62*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	273.50	21.69
		For Installation With Adhesive, Deduct	*-22.35*	
		For Clear Anodized, Add	*18.67*	
		For Satin Face And Enameled Return, Add	*56.02*	
		For Patina Finish, Add	*74.69*	
		For Color Anodized, Add	*93.37*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	331.03	24.40
		For Installation With Adhesive, Deduct	*-26.31*	
		For Clear Anodized, Add	*23.34*	
		For Satin Face And Enameled Return, Add	*70.03*	
		For Patina Finish, Add	*93.37*	
		For Color Anodized, Add	*116.71*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	399.32	27.11
		For Installation With Adhesive, Deduct	*-30.81*	
		For Clear Anodized, Add	*29.09*	
		For Satin Face And Enameled Return, Add	*87.26*	
		For Patina Finish, Add	*116.35*	
		For Color Anodized, Add	*145.44*	
10 14 19 00-0018		Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*		
10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	61.07	7.46
		For Installation With Adhesive, Deduct	*-6.04*	
		For Oxidized Finish, Add	*4.69*	
		For Polished Or Patina Finish, Add	*9.37*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	87.58	8.13
		For Installation With Adhesive, Deduct	*-7.63*	
		For Oxidized Finish, Add	*8.26*	
		For Polished Or Patina Finish, Add	*16.51*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	95.70	8.68
		For Installation With Adhesive, Deduct	*-8.26*	
		For Oxidized Finish, Add	*9.15*	
		For Polished Or Patina Finish, Add	*18.30*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	116.40	9.76
		For Installation With Adhesive, Deduct	*-9.72*	
		For Oxidized Finish, Add	*11.60*	
		For Polished Or Patina Finish, Add	*23.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0023	EA	6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	129.53	10.41
		For Installation With Adhesive, Deduct	*-10.65*	
		For Oxidized Finish, Add	*13.17*	
		For Polished Or Patina Finish, Add	*26.33*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	172.69	11.93
		For Installation With Adhesive, Deduct	*-13.41*	
		For Oxidized Finish, Add	*18.75*	
		For Polished Or Patina Finish, Add	*37.49*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	197.17	12.47
		For Installation With Adhesive, Deduct	*-14.85*	
		For Oxidized Finish, Add	*22.09*	
		For Polished Or Patina Finish, Add	*44.18*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	220.85	13.56
		For Installation With Adhesive, Deduct	*-16.47*	
		For Oxidized Finish, Add	*24.99*	
		For Polished Or Patina Finish, Add	*49.99*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	262.26	15.72
		For Installation With Adhesive, Deduct	*-19.40*	
		For Oxidized Finish, Add	*29.90*	
		For Polished Or Patina Finish, Add	*59.81*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	308.12	17.90
		For Installation With Adhesive, Deduct	*-22.56*	
		For Oxidized Finish, Add	*35.48*	
		For Polished Or Patina Finish, Add	*70.96*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	364.97	21.69
		For Installation With Adhesive, Deduct	*-26.93*	
		For Oxidized Finish, Add	*41.73*	
		For Polished Or Patina Finish, Add	*83.46*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	378.91	23.32
		For Installation With Adhesive, Deduct	*-28.27*	
		For Oxidized Finish, Add	*42.85*	
		For Polished Or Patina Finish, Add	*85.69*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	538.39	27.11
		For Installation With Adhesive, Deduct	*-37.76*	
		For Oxidized Finish, Add	*64.49*	
		For Polished Or Patina Finish, Add	*128.98*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	648.65	30.51
		For Installation With Adhesive, Deduct	*-44.63*	
		For Oxidized Finish, Add	*79.00*	
		For Polished Or Patina Finish, Add	*157.99*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	825.33	35.24
		For Installation With Adhesive, Deduct	*-55.37*	
		For Oxidized Finish, Add	*102.65*	
		For Polished Or Patina Finish, Add	*205.30*	

10 14 19 00-0034 Molded Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	38.71	5.43
		For Installation With Adhesive, Deduct	*-4.10*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	41.91	5.97
		For Installation With Adhesive, Deduct	*-4.48*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	46.29	6.50
		For Installation With Adhesive, Deduct	*-4.92*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	59.34	7.05
		For Installation With Adhesive, Deduct	*-5.79*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	64.13	7.59
		For Installation With Adhesive, Deduct	*-6.24*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	69.46	8.13
		For Installation With Adhesive, Deduct	*-6.73*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	80.95	9.49
		For Installation With Adhesive, Deduct	*-7.84*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	106.69	11.93
		For Installation With Adhesive, Deduct	*-10.11*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	135.88	14.10
		For Installation With Adhesive, Deduct	*-12.43*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	201.31	17.36
		For Installation With Adhesive, Deduct	*-17.01*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	299.13	20.34
		For Installation With Adhesive, Deduct	*-23.09*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	392.82	23.32
		For Installation With Adhesive, Deduct	*-28.97*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	735.17	31.18
		For Installation With Adhesive, Deduct	*-49.23*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	46.86	6.78
		For Installation With Adhesive, Deduct	*-5.05*	
		For Clear Anodized, Add	*1.98*	
		For Satin Face And Enameled Return, Add	*6.91*	
		For Color Anodized, Add	*9.88*	
		For Polished Or Patina Finish, Add	*9.88*	
		For Polished Anodized Finish, Add	*14.81*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	65.56	7.86
		For Installation With Adhesive, Deduct	*-6.42*	
		For Clear Anodized, Add	*3.41*	
		For Satin Face And Enameled Return, Add	*11.94*	
		For Color Anodized, Add	*17.06*	
		For Polished Or Patina Finish, Add	*17.06*	
		For Polished Anodized Finish, Add	*25.58*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	88.23	9.49
		For Installation With Adhesive, Deduct	*-8.21*	
		For Clear Anodized, Add	*5.03*	
		For Satin Face And Enameled Return, Add	*17.59*	
		For Color Anodized, Add	*25.14*	
		For Polished Or Patina Finish, Add	*25.14*	
		For Polished Anodized Finish, Add	*37.70*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	108.02	10.84
		For Installation With Adhesive, Deduct	*-9.74*	
		For Clear Anodized, Add	*6.46*	
		For Satin Face And Enameled Return, Add	*22.62*	
		For Color Anodized, Add	*32.32*	
		For Polished Or Patina Finish, Add	*32.32*	
		For Polished Anodized Finish, Add	*48.48*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	124.21	12.20
		For Installation With Adhesive, Deduct	*-11.09*	
		For Clear Anodized, Add	*7.54*	
		For Satin Face And Enameled Return, Add	*26.39*	
		For Color Anodized, Add	*37.71*	
		For Polished Or Patina Finish, Add	*37.71*	
		For Polished Anodized Finish, Add	*56.56*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	142.58	14.10
		For Installation With Adhesive, Deduct	*-12.77*	
		For Clear Anodized, Add	*8.62*	
		For Satin Face And Enameled Return, Add	*30.16*	
		For Color Anodized, Add	*43.09*	
		For Polished Or Patina Finish, Add	*43.09*	
		For Polished Anodized Finish, Add	*64.64*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	167.41	16.27
		For Installation With Adhesive, Deduct	*-14.88*	
		For Clear Anodized, Add	*10.23*	
		For Satin Face And Enameled Return, Add	*35.82*	
		For Color Anodized, Add	*51.17*	
		For Polished Or Patina Finish, Add	*51.17*	
		For Polished Anodized Finish, Add	*76.76*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	198.39	19.52
		For Installation With Adhesive, Deduct	*-17.73*	
		For Clear Anodized, Add	*12.03*	
		For Satin Face And Enameled Return, Add	*42.11*	
		For Color Anodized, Add	*60.15*	
		For Polished Or Patina Finish, Add	*60.15*	
		For Polished Anodized Finish, Add	*90.23*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	223.23	21.69
		For Installation With Adhesive, Deduct	*-19.84*	
		For Clear Anodized, Add	*13.65*	
		For Satin Face And Enameled Return, Add	*47.76*	
		For Color Anodized, Add	*68.23*	
		For Polished Or Patina Finish, Add	*68.23*	
		For Polished Anodized Finish, Add	*102.35*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	268.18	24.40
		For Installation With Adhesive, Deduct	*-23.17*	
		For Clear Anodized, Add	*17.06*	
		For Satin Face And Enameled Return, Add	*59.70*	
		For Color Anodized, Add	*85.29*	
		For Polished Or Patina Finish, Add	*85.29*	
		For Polished Anodized Finish, Add	*127.93*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	307.73	25.76
		For Installation With Adhesive, Deduct	*-25.69*	
		For Clear Anodized, Add	*20.47*	
		For Satin Face And Enameled Return, Add	*71.64*	
		For Color Anodized, Add	*102.35*	
		For Polished Or Patina Finish, Add	*102.35*	
		For Polished Anodized Finish, Add	*153.52*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	381.37	27.11
		For Installation With Adhesive, Deduct	*-29.91*	
		For Clear Anodized, Add	*27.29*	
		For Satin Face And Enameled Return, Add	*95.52*	
		For Color Anodized, Add	*136.46*	
		For Polished Or Patina Finish, Add	*136.46*	
		For Polished Anodized Finish, Add	*204.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	546.11	32.54
		For Installation With Adhesive, Deduct	*-40.32*	
		For Clear Anodized, Add	*41.60*	
		For Satin Face And Enameled Return, Add	*145.59*	
		For Color Anodized, Add	*207.98*	
		For Polished Or Patina Finish, Add	*207.98*	
		For Polished Anodized Finish, Add	*311.97*	
10 14 19 00-0065		3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	59.50	6.78
		For Installation With Adhesive, Deduct	*-5.69*	
		For Clear Anodized, Add	*3.24*	
		For Satin Face And Enameled Return, Add	*11.34*	
		For Color Anodized, Add	*16.20*	
		For Polished Or Patina Finish, Add	*16.20*	
		For Polished Anodized Finish, Add	*24.29*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	85.35	7.86
		For Installation With Adhesive, Deduct	*-7.41*	
		For Clear Anodized, Add	*5.39*	
		For Satin Face And Enameled Return, Add	*18.87*	
		For Color Anodized, Add	*26.95*	
		For Polished Or Patina Finish, Add	*26.95*	
		For Polished Anodized Finish, Add	*40.43*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	107.84	9.49
		For Installation With Adhesive, Deduct	*-9.19*	
		For Clear Anodized, Add	*6.99*	
		For Satin Face And Enameled Return, Add	*24.46*	
		For Color Anodized, Add	*34.94*	
		For Polished Or Patina Finish, Add	*34.94*	
		For Polished Anodized Finish, Add	*52.41*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	135.17	10.84
		For Installation With Adhesive, Deduct	*-11.10*	
		For Clear Anodized, Add	*9.18*	
		For Satin Face And Enameled Return, Add	*32.13*	
		For Color Anodized, Add	*45.90*	
		For Polished Or Patina Finish, Add	*45.90*	
		For Polished Anodized Finish, Add	*68.84*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	156.64	12.20
		For Installation With Adhesive, Deduct	*-12.71*	
		For Clear Anodized, Add	*10.78*	
		For Satin Face And Enameled Return, Add	*37.74*	
		For Color Anodized, Add	*53.92*	
		For Polished Or Patina Finish, Add	*53.92*	
		For Polished Anodized Finish, Add	*80.88*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	183.95	14.10
		For Installation With Adhesive, Deduct	*-14.84*	
		For Clear Anodized, Add	*12.76*	
		For Satin Face And Enameled Return, Add	*44.64*	
		For Color Anodized, Add	*63.78*	
		For Polished Or Patina Finish, Add	*63.78*	
		For Polished Anodized Finish, Add	*95.66*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	215.51	16.27
		For Installation With Adhesive, Deduct	*-17.28*	
		For Clear Anodized, Add	*15.04*	
		For Satin Face And Enameled Return, Add	*52.65*	
		For Color Anodized, Add	*75.22*	
		For Polished Or Patina Finish, Add	*75.22*	
		For Polished Anodized Finish, Add	*112.83*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	266.96	19.52
		For Installation With Adhesive, Deduct	*-21.16*	
		For Clear Anodized, Add	*18.89*	
		For Satin Face And Enameled Return, Add	*66.10*	
		For Color Anodized, Add	*94.44*	
		For Polished Or Patina Finish, Add	*94.44*	
		For Polished Anodized Finish, Add	*141.65*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	309.20	21.69
		For Installation With Adhesive, Deduct	*-24.14*	
		For Clear Anodized, Add	*22.24*	
		For Satin Face And Enameled Return, Add	*77.85*	
		For Color Anodized, Add	*111.22*	
		For Polished Or Patina Finish, Add	*111.22*	
		For Polished Anodized Finish, Add	*166.82*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	358.59	24.40
		For Installation With Adhesive, Deduct	*-27.69*	
		For Clear Anodized, Add	*26.10*	
		For Satin Face And Enameled Return, Add	*91.34*	
		For Color Anodized, Add	*130.49*	
		For Polished Or Patina Finish, Add	*130.49*	
		For Polished Anodized Finish, Add	*195.74*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	401.88	25.76
		For Installation With Adhesive, Deduct	*-30.40*	
		For Clear Anodized, Add	*29.88*	
		For Satin Face And Enameled Return, Add	*104.59*	
		For Color Anodized, Add	*149.42*	
		For Polished Or Patina Finish, Add	*149.42*	
		For Polished Anodized Finish, Add	*224.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	446.87	27.11
		For Installation With Adhesive, Deduct	*-33.19*	
		For Clear Anodized, Add	*33.84*	
		For Satin Face And Enameled Return, Add	*118.45*	
		For Color Anodized, Add	*169.21*	
		For Polished Or Patina Finish, Add	*169.21*	
		For Polished Anodized Finish, Add	*253.82*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	614.93	32.54
		For Installation With Adhesive, Deduct	*-43.76*	
		For Clear Anodized, Add	*48.48*	
		For Satin Face And Enameled Return, Add	*169.67*	
		For Color Anodized, Add	*242.39*	
		For Polished Or Patina Finish, Add	*242.39*	
		For Polished Anodized Finish, Add	*363.59*	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.12	6.78
		For Installation With Adhesive, Deduct	*-6.42*	
		For Clear Anodized, Add	*4.70*	
		For Satin Face And Enameled Return, Add	*16.45*	
		For Color Anodized, Add	*23.51*	
		For Polished Or Patina Finish, Add	*23.51*	
		For Polished Anodized Finish, Add	*35.26*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	95.93	7.86
		For Installation With Adhesive, Deduct	*-7.94*	
		For Clear Anodized, Add	*6.45*	
		For Satin Face And Enameled Return, Add	*22.57*	
		For Color Anodized, Add	*32.24*	
		For Polished Or Patina Finish, Add	*32.24*	
		For Polished Anodized Finish, Add	*48.36*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	120.41	9.49
		For Installation With Adhesive, Deduct	*-9.82*	
		For Clear Anodized, Add	*8.25*	
		For Satin Face And Enameled Return, Add	*28.86*	
		For Color Anodized, Add	*41.23*	
		For Polished Or Patina Finish, Add	*41.23*	
		For Polished Anodized Finish, Add	*61.84*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	142.28	10.84
		For Installation With Adhesive, Deduct	*-11.45*	
		For Clear Anodized, Add	*9.89*	
		For Satin Face And Enameled Return, Add	*34.62*	
		For Color Anodized, Add	*49.45*	
		For Polished Or Patina Finish, Add	*49.45*	
		For Polished Anodized Finish, Add	*74.18*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	165.69	12.20
		For Installation With Adhesive, Deduct	*-13.16*	
		For Clear Anodized, Add	*11.69*	
		For Satin Face And Enameled Return, Add	*40.91*	
		For Color Anodized, Add	*58.45*	
		For Polished Or Patina Finish, Add	*58.45*	
		For Polished Anodized Finish, Add	*87.67*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	203.77	14.10
		For Installation With Adhesive, Deduct	*-15.83*	
		For Clear Anodized, Add	*14.74*	
		For Satin Face And Enameled Return, Add	*51.58*	
		For Color Anodized, Add	*73.69*	
		For Polished Or Patina Finish, Add	*73.69*	
		For Polished Anodized Finish, Add	*110.53*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	251.34	16.27
		For Installation With Adhesive, Deduct	*-19.07*	
		For Clear Anodized, Add	*18.63*	
		For Satin Face And Enameled Return, Add	*65.19*	
		For Color Anodized, Add	*93.14*	
		For Polished Or Patina Finish, Add	*93.14*	
		For Polished Anodized Finish, Add	*139.70*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	304.25	19.52
		For Installation With Adhesive, Deduct	*-23.02*	
		For Clear Anodized, Add	*22.62*	
		For Satin Face And Enameled Return, Add	*79.16*	
		For Color Anodized, Add	*113.08*	
		For Polished Or Patina Finish, Add	*113.08*	
		For Polished Anodized Finish, Add	*169.62*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	369.24	21.69
		For Installation With Adhesive, Deduct	*-27.14*	
		For Clear Anodized, Add	*28.25*	
		For Satin Face And Enameled Return, Add	*98.86*	
		For Color Anodized, Add	*141.24*	
		For Polished Or Patina Finish, Add	*141.24*	
		For Polished Anodized Finish, Add	*211.85*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	435.34	24.40
		For Installation With Adhesive, Deduct	*-31.53*	
		For Clear Anodized, Add	*33.77*	
		For Satin Face And Enameled Return, Add	*118.21*	
		For Color Anodized, Add	*168.87*	
		For Polished Or Patina Finish, Add	*168.87*	
		For Polished Anodized Finish, Add	*253.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	500.13	25.76
		For Installation With Adhesive, Deduct	*-35.31*	
		For Clear Anodized, Add	*39.71*	
		For Satin Face And Enameled Return, Add	*138.98*	
		For Color Anodized, Add	*198.55*	
		For Polished Or Patina Finish, Add	*198.55*	
		For Polished Anodized Finish, Add	*297.82*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	561.49	27.11
		For Installation With Adhesive, Deduct	*-38.92*	
		For Clear Anodized, Add	*45.30*	
		For Satin Face And Enameled Return, Add	*158.56*	
		For Color Anodized, Add	*226.52*	
		For Polished Or Patina Finish, Add	*226.52*	
		For Polished Anodized Finish, Add	*339.78*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	779.76	32.54
		For Installation With Adhesive, Deduct	*-52.00*	
		For Clear Anodized, Add	*64.96*	
		For Satin Face And Enameled Return, Add	*227.36*	
		For Color Anodized, Add	*324.81*	
		For Polished Or Patina Finish, Add	*324.81*	
		For Polished Anodized Finish, Add	*487.21*	
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	77.47	6.78
		For Installation With Adhesive, Deduct	*-6.58*	
		For Clear Anodized, Add	*5.04*	
		For Satin Face And Enameled Return, Add	*17.63*	
		For Color Anodized, Add	*25.18*	
		For Polished Or Patina Finish, Add	*25.18*	
		For Polished Anodized Finish, Add	*37.77*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.68	7.86
		For Installation With Adhesive, Deduct	*-8.13*	
		For Clear Anodized, Add	*6.82*	
		For Satin Face And Enameled Return, Add	*23.88*	
		For Color Anodized, Add	*34.12*	
		For Polished Or Patina Finish, Add	*34.12*	
		For Polished Anodized Finish, Add	*51.17*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	131.47	9.49
		For Installation With Adhesive, Deduct	*-10.37*	
		For Clear Anodized, Add	*9.35*	
		For Satin Face And Enameled Return, Add	*32.73*	
		For Color Anodized, Add	*46.76*	
		For Polished Or Patina Finish, Add	*46.76*	
		For Polished Anodized Finish, Add	*70.13*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	174.60	10.84
		For Installation With Adhesive, Deduct	*-13.07*	
		For Clear Anodized, Add	*13.12*	
		For Satin Face And Enameled Return, Add	*45.93*	
		For Color Anodized, Add	*65.61*	
		For Polished Or Patina Finish, Add	*65.61*	
		For Polished Anodized Finish, Add	*98.42*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	219.23	12.20
		For Installation With Adhesive, Deduct	*-15.84*	
		For Clear Anodized, Add	*17.04*	
		For Satin Face And Enameled Return, Add	*59.65*	
		For Color Anodized, Add	*85.22*	
		For Polished Or Patina Finish, Add	*85.22*	
		For Polished Anodized Finish, Add	*127.82*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	275.31	14.10
		For Installation With Adhesive, Deduct	*-19.41*	
		For Clear Anodized, Add	*21.89*	
		For Satin Face And Enameled Return, Add	*76.62*	
		For Color Anodized, Add	*109.46*	
		For Polished Or Patina Finish, Add	*109.46*	
		For Polished Anodized Finish, Add	*164.18*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	343.44	16.27
		For Installation With Adhesive, Deduct	*-23.68*	
		For Clear Anodized, Add	*27.84*	
		For Satin Face And Enameled Return, Add	*97.43*	
		For Color Anodized, Add	*139.19*	
		For Polished Or Patina Finish, Add	*139.19*	
		For Polished Anodized Finish, Add	*208.78*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	424.55	19.52
		For Installation With Adhesive, Deduct	*-29.04*	
		For Clear Anodized, Add	*34.65*	
		For Satin Face And Enameled Return, Add	*121.26*	
		For Color Anodized, Add	*173.23*	
		For Polished Or Patina Finish, Add	*173.23*	
		For Polished Anodized Finish, Add	*259.85*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	519.34	21.69
		For Installation With Adhesive, Deduct	*-34.64*	
		For Clear Anodized, Add	*43.26*	
		For Satin Face And Enameled Return, Add	*151.40*	
		For Color Anodized, Add	*216.29*	
		For Polished Or Patina Finish, Add	*216.29*	
		For Polished Anodized Finish, Add	*324.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	617.86	24.40
		For Installation With Adhesive, Deduct	*-40.65*	
		For Clear Anodized, Add	*52.03*	
		For Satin Face And Enameled Return, Add	*182.09*	
		For Color Anodized, Add	*260.13*	
		For Polished Or Patina Finish, Add	*260.13*	
		For Polished Anodized Finish, Add	*390.19*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	717.10	25.76
		For Installation With Adhesive, Deduct	*-46.16*	
		For Clear Anodized, Add	*61.41*	
		For Satin Face And Enameled Return, Add	*214.92*	
		For Color Anodized, Add	*307.03*	
		For Polished Or Patina Finish, Add	*307.03*	
		For Polished Anodized Finish, Add	*460.55*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	820.76	27.11
		For Installation With Adhesive, Deduct	*-51.88*	
		For Clear Anodized, Add	*71.23*	
		For Satin Face And Enameled Return, Add	*249.31*	
		For Color Anodized, Add	*356.16*	
		For Polished Or Patina Finish, Add	*356.16*	
		For Polished Anodized Finish, Add	*534.23*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,128.81	32.54
		For Installation With Adhesive, Deduct	*-69.46*	
		For Clear Anodized, Add	*99.87*	
		For Satin Face And Enameled Return, Add	*349.53*	
		For Color Anodized, Add	*499.33*	
		For Polished Or Patina Finish, Add	*499.33*	
		For Polished Anodized Finish, Add	*749.00*	
10 14 19 00-0107		1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.36	6.78
		For Installation With Adhesive, Deduct	*-7.03*	
		For Clear Anodized, Add	*5.93*	
		For Satin Face And Enameled Return, Add	*20.74*	
		For Color Anodized, Add	*29.63*	
		For Polished Or Patina Finish, Add	*29.63*	
		For Polished Anodized Finish, Add	*44.44*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	106.84	7.86
		For Installation With Adhesive, Deduct	*-8.49*	
		For Clear Anodized, Add	*7.54*	
		For Satin Face And Enameled Return, Add	*26.39*	
		For Color Anodized, Add	*37.70*	
		For Polished Or Patina Finish, Add	*37.70*	
		For Polished Anodized Finish, Add	*56.54*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	140.52	9.49
		For Installation With Adhesive, Deduct	*-10.82*	
		For Clear Anodized, Add	*10.26*	
		For Satin Face And Enameled Return, Add	*35.90*	
		For Color Anodized, Add	*51.28*	
		For Polished Or Patina Finish, Add	*51.28*	
		For Polished Anodized Finish, Add	*76.92*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	192.69	10.84
		For Installation With Adhesive, Deduct	*-13.97*	
		For Clear Anodized, Add	*14.93*	
		For Satin Face And Enameled Return, Add	*52.26*	
		For Color Anodized, Add	*74.66*	
		For Polished Or Patina Finish, Add	*74.66*	
		For Polished Anodized Finish, Add	*111.98*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	262.21	12.20
		For Installation With Adhesive, Deduct	*-17.99*	
		For Clear Anodized, Add	*21.34*	
		For Satin Face And Enameled Return, Add	*74.69*	
		For Color Anodized, Add	*106.71*	
		For Polished Or Patina Finish, Add	*106.71*	
		For Polished Anodized Finish, Add	*160.06*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	343.39	14.10
		For Installation With Adhesive, Deduct	*-22.81*	
		For Clear Anodized, Add	*28.70*	
		For Satin Face And Enameled Return, Add	*100.45*	
		For Color Anodized, Add	*143.50*	
		For Polished Or Patina Finish, Add	*143.50*	
		For Polished Anodized Finish, Add	*215.24*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	434.53	16.27
		For Installation With Adhesive, Deduct	*-28.23*	
		For Clear Anodized, Add	*36.95*	
		For Satin Face And Enameled Return, Add	*129.31*	
		For Color Anodized, Add	*184.73*	
		For Polished Or Patina Finish, Add	*184.73*	
		For Polished Anodized Finish, Add	*277.10*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	540.04	19.52
		For Installation With Adhesive, Deduct	*-34.81*	
		For Clear Anodized, Add	*46.20*	
		For Satin Face And Enameled Return, Add	*161.68*	
		For Color Anodized, Add	*230.98*	
		For Polished Or Patina Finish, Add	*230.98*	
		For Polished Anodized Finish, Add	*346.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	654.44	21.69
		For Installation With Adhesive, Deduct	*-41.40*	
		For Clear Anodized, Add	*56.77*	
		For Satin Face And Enameled Return, Add	*198.68*	
		For Color Anodized, Add	*283.84*	
		For Polished Or Patina Finish, Add	*283.84*	
		For Polished Anodized Finish, Add	*425.75*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	805.49	24.40
		For Installation With Adhesive, Deduct	*-50.04*	
		For Clear Anodized, Add	*70.79*	
		For Satin Face And Enameled Return, Add	*247.76*	
		For Color Anodized, Add	*353.94*	
		For Polished Or Patina Finish, Add	*353.94*	
		For Polished Anodized Finish, Add	*530.91*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	960.68	25.76
		For Installation With Adhesive, Deduct	*-58.34*	
		For Clear Anodized, Add	*85.76*	
		For Satin Face And Enameled Return, Add	*300.17*	
		For Color Anodized, Add	*428.82*	
		For Polished Or Patina Finish, Add	*428.82*	
		For Polished Anodized Finish, Add	*643.23*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,134.61	27.11
		For Installation With Adhesive, Deduct	*-67.58*	
		For Clear Anodized, Add	*102.62*	
		For Satin Face And Enameled Return, Add	*359.16*	
		For Color Anodized, Add	*513.08*	
		For Polished Or Patina Finish, Add	*513.08*	
		For Polished Anodized Finish, Add	*769.62*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,603.90	32.54
		For Installation With Adhesive, Deduct	*-93.21*	
		For Clear Anodized, Add	*147.38*	
		For Satin Face And Enameled Return, Add	*515.81*	
		For Color Anodized, Add	*736.88*	
		For Polished Or Patina Finish, Add	*736.88*	
		For Polished Anodized Finish, Add	*1,105.31*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	63.56	6.78
		For Installation With Adhesive, Deduct	*-5.89*	
		For Oxidized Finish, Add	*5.47*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	82.18	7.86
		For Installation With Adhesive, Deduct	*-7.25*	
		For Oxidized Finish, Add	*7.61*	
		For Polished Finish, Add	*15.22*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	113.47	9.49
		For Installation With Adhesive, Deduct	*-9.47*	
		For Oxidized Finish, Add	*11.33*	
		For Polished Finish, Add	*22.65*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	148.84	10.84
		For Installation With Adhesive, Deduct	*-11.78*	
		For Oxidized Finish, Add	*15.82*	
		For Polished Finish, Add	*31.64*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	190.71	12.20
		For Installation With Adhesive, Deduct	*-14.42*	
		For Oxidized Finish, Add	*21.29*	
		For Polished Finish, Add	*42.57*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	241.28	14.10
		For Installation With Adhesive, Deduct	*-17.70*	
		For Oxidized Finish, Add	*27.73*	
		For Polished Finish, Add	*55.46*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	302.02	16.27
		For Installation With Adhesive, Deduct	*-21.61*	
		For Oxidized Finish, Add	*35.54*	
		For Polished Finish, Add	*71.09*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	368.42	19.52
		For Installation With Adhesive, Deduct	*-26.23*	
		For Oxidized Finish, Add	*43.55*	
		For Polished Finish, Add	*87.10*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	447.59	21.69
		For Installation With Adhesive, Deduct	*-31.06*	
		For Oxidized Finish, Add	*54.12*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	532.46	24.40
		For Installation With Adhesive, Deduct	*-36.38*	
		For Oxidized Finish, Add	*65.23*	
		For Polished Finish, Add	*130.46*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	655.06	25.76
		For Installation With Adhesive, Deduct	*-43.06*	
		For Oxidized Finish, Add	*82.80*	
		For Polished Finish, Add	*165.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	718.50	27.11
		For Installation With Adhesive, Deduct	*-46.77*	
		For Oxidized Finish, Add	*91.51*	
		For Polished Finish, Add	*183.02*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,081.37	32.54
		For Installation With Adhesive, Deduct	*-67.08*	
		For Oxidized Finish, Add	*142.68*	
		For Polished Finish, Add	*285.37*	
10 14 19 00-0136		**3/8" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	76.32	6.78
		For Installation With Adhesive, Deduct	*-6.53*	
		For Oxidized Finish, Add	*7.38*	
		For Polished Finish, Add	*14.76*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	99.93	7.86
		For Installation With Adhesive, Deduct	*-8.14*	
		For Oxidized Finish, Add	*10.27*	
		For Polished Finish, Add	*20.54*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	143.68	9.49
		For Installation With Adhesive, Deduct	*-10.98*	
		For Oxidized Finish, Add	*15.86*	
		For Polished Finish, Add	*31.72*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	191.02	10.84
		For Installation With Adhesive, Deduct	*-13.89*	
		For Oxidized Finish, Add	*22.15*	
		For Polished Finish, Add	*44.29*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	254.57	12.20
		For Installation With Adhesive, Deduct	*-17.61*	
		For Oxidized Finish, Add	*30.87*	
		For Polished Finish, Add	*61.73*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	324.47	14.10
		For Installation With Adhesive, Deduct	*-21.86*	
		For Oxidized Finish, Add	*40.21*	
		For Polished Finish, Add	*80.42*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	408.65	16.27
		For Installation With Adhesive, Deduct	*-26.94*	
		For Oxidized Finish, Add	*51.54*	
		For Polished Finish, Add	*103.07*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	484.56	19.52
		For Installation With Adhesive, Deduct	*-32.04*	
		For Oxidized Finish, Add	*60.97*	
		For Polished Finish, Add	*121.94*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	609.96	21.69
		For Installation With Adhesive, Deduct	*-39.18*	
		For Oxidized Finish, Add	*78.48*	
		For Polished Finish, Add	*156.96*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	706.40	24.40
		For Installation With Adhesive, Deduct	*-45.08*	
		For Oxidized Finish, Add	*91.32*	
		For Polished Finish, Add	*182.64*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	870.35	25.76
		For Installation With Adhesive, Deduct	*-53.82*	
		For Oxidized Finish, Add	*115.10*	
		For Polished Finish, Add	*230.19*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	993.03	27.11
		For Installation With Adhesive, Deduct	*-60.50*	
		For Oxidized Finish, Add	*132.69*	
		For Polished Finish, Add	*265.37*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,376.25	32.54
		For Installation With Adhesive, Deduct	*-81.83*	
		For Oxidized Finish, Add	*186.92*	
		For Polished Finish, Add	*373.83*	
10 14 19 00-0150		**1/2" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	96.37	6.78
		For Installation With Adhesive, Deduct	*-7.53*	
		For Oxidized Finish, Add	*10.39*	
		For Polished Finish, Add	*20.78*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	125.29	7.86
		For Installation With Adhesive, Deduct	*-9.41*	
		For Oxidized Finish, Add	*14.08*	
		For Polished Finish, Add	*28.15*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	181.43	9.49
		For Installation With Adhesive, Deduct	*-12.87*	
		For Oxidized Finish, Add	*21.52*	
		For Polished Finish, Add	*43.04*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	249.02	10.84
		For Installation With Adhesive, Deduct	*-16.79*	
		For Oxidized Finish, Add	*30.85*	
		For Polished Finish, Add	*61.69*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	346.81	12.20
		For Installation With Adhesive, Deduct	*-22.22*	
		For Oxidized Finish, Add	*44.70*	
		For Polished Finish, Add	*89.40*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	463.13	14.10
		For Installation With Adhesive, Deduct	*-28.80*	
		For Oxidized Finish, Add	*61.01*	
		For Polished Finish, Add	*122.02*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	574.52	16.27
		For Installation With Adhesive, Deduct	*-35.23*	
		For Oxidized Finish, Add	*76.42*	
		For Polished Finish, Add	*152.84*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	684.89	19.52
		For Installation With Adhesive, Deduct	*-42.05*	
		For Oxidized Finish, Add	*91.02*	
		For Polished Finish, Add	*182.04*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	934.71	21.69
		For Installation With Adhesive, Deduct	*-55.41*	
		For Oxidized Finish, Add	*127.19*	
		For Polished Finish, Add	*254.38*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,054.28	24.40
		For Installation With Adhesive, Deduct	*-62.48*	
		For Oxidized Finish, Add	*143.50*	
		For Polished Finish, Add	*287.00*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,317.49	25.76
		For Installation With Adhesive, Deduct	*-76.18*	
		For Oxidized Finish, Add	*182.17*	
		For Polished Finish, Add	*364.34*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,542.07	27.11
		For Installation With Adhesive, Deduct	*-87.95*	
		For Oxidized Finish, Add	*215.04*	
		For Polished Finish, Add	*430.09*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,327.48	32.54
		For Installation With Adhesive, Deduct	*-129.39*	
		For Oxidized Finish, Add	*329.60*	
		For Polished Finish, Add	*659.20*	
10 14 19 00-0164		3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	118.25	6.78
		For Installation With Adhesive, Deduct	*-8.62*	
		For Oxidized Finish, Add	*13.67*	
		For Polished Finish, Add	*27.34*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	165.87	7.86
		For Installation With Adhesive, Deduct	*-11.44*	
		For Oxidized Finish, Add	*20.16*	
		For Polished Finish, Add	*40.33*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	226.74	9.49
		For Installation With Adhesive, Deduct	*-15.13*	
		For Oxidized Finish, Add	*28.32*	
		For Polished Finish, Add	*56.63*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	307.02	10.84
		For Installation With Adhesive, Deduct	*-19.69*	
		For Oxidized Finish, Add	*39.55*	
		For Polished Finish, Add	*79.09*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	417.77	12.20
		For Installation With Adhesive, Deduct	*-25.77*	
		For Oxidized Finish, Add	*55.35*	
		For Polished Finish, Add	*110.69*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	574.05	14.10
		For Installation With Adhesive, Deduct	*-34.34*	
		For Oxidized Finish, Add	*77.65*	
		For Polished Finish, Add	*155.30*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	716.69	16.27
		For Installation With Adhesive, Deduct	*-42.34*	
		For Oxidized Finish, Add	*97.74*	
		For Polished Finish, Add	*195.49*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	835.86	19.52
		For Installation With Adhesive, Deduct	*-49.60*	
		For Oxidized Finish, Add	*113.67*	
		For Polished Finish, Add	*227.33*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,115.12	21.69
		For Installation With Adhesive, Deduct	*-64.43*	
		For Oxidized Finish, Add	*154.25*	
		For Polished Finish, Add	*308.51*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,219.52	24.40
		For Installation With Adhesive, Deduct	*-70.74*	
		For Oxidized Finish, Add	*168.29*	
		For Polished Finish, Add	*336.57*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,549.34	25.76
		For Installation With Adhesive, Deduct	*-87.77*	
		For Oxidized Finish, Add	*216.95*	
		For Polished Finish, Add	*433.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,969.11	27.11
		For Installation With Adhesive, Deduct	*-109.30*	
		For Oxidized Finish, Add	*279.10*	
		For Polished Finish, Add	*558.20*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,974.31	32.54
		For Installation With Adhesive, Deduct	*-161.73*	
		For Oxidized Finish, Add	*426.62*	
		For Polished Finish, Add	*853.25*	
10 14 19 00-0178		Satin Finish, Bronze Characters *(10 14 19 00-0049)*		
10 14 19 00-0179		1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	67.61	6.78
		For Installation With Adhesive, Deduct	*-6.09*	
		For Oxidized Finish, Add	*6.08*	
		For Polished Or Patina Finish, Add	*12.15*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	87.86	7.86
		For Installation With Adhesive, Deduct	*-7.54*	
		For Oxidized Finish, Add	*8.46*	
		For Polished Or Patina Finish, Add	*16.92*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	121.85	9.49
		For Installation With Adhesive, Deduct	*-9.89*	
		For Oxidized Finish, Add	*12.58*	
		For Polished Or Patina Finish, Add	*25.17*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	160.54	10.84
		For Installation With Adhesive, Deduct	*-12.37*	
		For Oxidized Finish, Add	*17.57*	
		For Polished Or Patina Finish, Add	*35.15*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	206.45	12.20
		For Installation With Adhesive, Deduct	*-15.20*	
		For Oxidized Finish, Add	*23.65*	
		For Polished Or Patina Finish, Add	*47.30*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	261.78	14.10
		For Installation With Adhesive, Deduct	*-18.73*	
		For Oxidized Finish, Add	*30.81*	
		For Polished Or Patina Finish, Add	*61.61*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	328.31	16.27
		For Installation With Adhesive, Deduct	*-22.92*	
		For Oxidized Finish, Add	*39.49*	
		For Polished Or Patina Finish, Add	*78.97*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	407.86	19.52
		For Installation With Adhesive, Deduct	*-28.20*	
		For Oxidized Finish, Add	*49.47*	
		For Polished Or Patina Finish, Add	*98.93*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	488.86	21.69
		For Installation With Adhesive, Deduct	*-33.12*	
		For Oxidized Finish, Add	*60.31*	
		For Polished Or Patina Finish, Add	*120.63*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	580.70	24.40
		For Installation With Adhesive, Deduct	*-38.80*	
		For Oxidized Finish, Add	*72.46*	
		For Polished Or Patina Finish, Add	*144.93*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	678.70	25.76
		For Installation With Adhesive, Deduct	*-44.24*	
		For Oxidized Finish, Add	*86.35*	
		For Polished Or Patina Finish, Add	*172.70*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	786.80	27.11
		For Installation With Adhesive, Deduct	*-50.19*	
		For Oxidized Finish, Add	*101.75*	
		For Polished Or Patina Finish, Add	*203.51*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,197.57	32.54
		For Installation With Adhesive, Deduct	*-72.89*	
		For Oxidized Finish, Add	*160.11*	
		For Polished Or Patina Finish, Add	*320.23*	
10 14 19 00-0193		3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	80.57	6.78
		For Installation With Adhesive, Deduct	*-6.74*	
		For Oxidized Finish, Add	*8.02*	
		For Polished Or Patina Finish, Add	*16.04*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	105.35	7.86
		For Installation With Adhesive, Deduct	*-8.41*	
		For Oxidized Finish, Add	*11.09*	
		For Polished Or Patina Finish, Add	*22.17*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	153.73	9.49
		For Installation With Adhesive, Deduct	*-11.48*	
		For Oxidized Finish, Add	*17.37*	
		For Polished Or Patina Finish, Add	*34.73*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	203.88	10.84
		For Installation With Adhesive, Deduct	*-14.53*	
		For Oxidized Finish, Add	*24.08*	
		For Polished Or Patina Finish, Add	*48.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	277.40	12.20
		For Installation With Adhesive, Deduct	*-18.75*	
		For Oxidized Finish, Add	*34.29*	
		For Polished Or Patina Finish, Add	*68.58*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	352.15	14.10
		For Installation With Adhesive, Deduct	*-23.25*	
		For Oxidized Finish, Add	*44.36*	
		For Polished Or Patina Finish, Add	*88.73*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	441.50	16.27
		For Installation With Adhesive, Deduct	*-28.58*	
		For Oxidized Finish, Add	*56.46*	
		For Polished Or Patina Finish, Add	*112.93*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	546.37	19.52
		For Installation With Adhesive, Deduct	*-35.13*	
		For Oxidized Finish, Add	*70.24*	
		For Polished Or Patina Finish, Add	*140.48*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	661.76	21.69
		For Installation With Adhesive, Deduct	*-41.77*	
		For Oxidized Finish, Add	*86.25*	
		For Polished Or Patina Finish, Add	*172.50*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	788.43	24.40
		For Installation With Adhesive, Deduct	*-49.18*	
		For Oxidized Finish, Add	*103.62*	
		For Polished Or Patina Finish, Add	*207.25*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	926.23	25.76
		For Installation With Adhesive, Deduct	*-56.62*	
		For Oxidized Finish, Add	*123.48*	
		For Polished Or Patina Finish, Add	*246.96*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,051.35	27.11
		For Installation With Adhesive, Deduct	*-63.41*	
		For Oxidized Finish, Add	*141.44*	
		For Polished Or Patina Finish, Add	*282.87*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,443.08	32.54
		For Installation With Adhesive, Deduct	*-85.17*	
		For Oxidized Finish, Add	*196.94*	
		For Polished Or Patina Finish, Add	*393.88*	
10 14 19 00-0207		1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	83.40	6.78
		For Installation With Adhesive, Deduct	*-6.88*	
		For Oxidized Finish, Add	*8.44*	
		For Polished Or Patina Finish, Add	*16.89*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	125.65	7.86
		For Installation With Adhesive, Deduct	*-9.43*	
		For Oxidized Finish, Add	*14.13*	
		For Polished Or Patina Finish, Add	*28.26*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	179.73	9.49
		For Installation With Adhesive, Deduct	*-12.78*	
		For Oxidized Finish, Add	*21.27*	
		For Polished Or Patina Finish, Add	*42.53*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	248.40	10.84
		For Installation With Adhesive, Deduct	*-16.76*	
		For Oxidized Finish, Add	*30.75*	
		For Polished Or Patina Finish, Add	*61.51*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	340.46	12.20
		For Installation With Adhesive, Deduct	*-21.90*	
		For Oxidized Finish, Add	*43.75*	
		For Polished Or Patina Finish, Add	*87.50*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	465.12	14.10
		For Installation With Adhesive, Deduct	*-28.90*	
		For Oxidized Finish, Add	*61.31*	
		For Polished Or Patina Finish, Add	*122.62*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	604.71	16.27
		For Installation With Adhesive, Deduct	*-36.74*	
		For Oxidized Finish, Add	*80.95*	
		For Polished Or Patina Finish, Add	*161.89*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	757.42	19.52
		For Installation With Adhesive, Deduct	*-45.68*	
		For Oxidized Finish, Add	*101.90*	
		For Polished Or Patina Finish, Add	*203.80*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	931.16	21.69
		For Installation With Adhesive, Deduct	*-55.24*	
		For Oxidized Finish, Add	*126.66*	
		For Polished Or Patina Finish, Add	*253.32*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,116.92	24.40
		For Installation With Adhesive, Deduct	*-65.61*	
		For Oxidized Finish, Add	*152.90*	
		For Polished Or Patina Finish, Add	*305.79*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,323.43	25.76
		For Installation With Adhesive, Deduct	*-76.48*	
		For Oxidized Finish, Add	*183.06*	
		For Polished Or Patina Finish, Add	*366.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,539.76	27.11
		For Installation With Adhesive, Deduct	*-87.83*	
		For Oxidized Finish, Add	*214.70*	
		For Polished Or Patina Finish, Add	*429.39*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,158.25	32.54
		For Installation With Adhesive, Deduct	*-120.93*	
		For Oxidized Finish, Add	*304.22*	
		For Polished Or Patina Finish, Add	*608.43*	
10 14 19 00-0221		Satin Finish, Copper Characters *(10 14 19 00-0049)*		
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	63.56	6.78
		For Installation With Adhesive, Deduct	*-5.89*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	83.53	7.86
		For Installation With Adhesive, Deduct	*-7.32*	
		For Polished Finish, Add	*15.62*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	118.68	9.49
		For Installation With Adhesive, Deduct	*-9.73*	
		For Polished Finish, Add	*24.22*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	157.95	10.84
		For Installation With Adhesive, Deduct	*-12.24*	
		For Polished Finish, Add	*34.37*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	201.13	12.20
		For Installation With Adhesive, Deduct	*-14.94*	
		For Polished Finish, Add	*45.70*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	256.90	14.10
		For Installation With Adhesive, Deduct	*-18.49*	
		For Polished Finish, Add	*60.15*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	322.85	16.27
		For Installation With Adhesive, Deduct	*-22.65*	
		For Polished Finish, Add	*77.33*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	398.37	19.52
		For Installation With Adhesive, Deduct	*-27.73*	
		For Polished Finish, Add	*96.08*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	478.65	21.69
		For Installation With Adhesive, Deduct	*-32.61*	
		For Polished Finish, Add	*117.56*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	567.61	24.40
		For Installation With Adhesive, Deduct	*-38.14*	
		For Polished Finish, Add	*141.00*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	664.19	25.76
		For Installation With Adhesive, Deduct	*-43.51*	
		For Polished Finish, Add	*168.35*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	768.53	27.11
		For Installation With Adhesive, Deduct	*-49.27*	
		For Polished Finish, Add	*198.02*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,107.23	32.54
		For Installation With Adhesive, Deduct	*-68.38*	
		For Polished Finish, Add	*293.12*	
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	72.68	6.78
		For Installation With Adhesive, Deduct	*-6.35*	
		For Polished Finish, Add	*13.67*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	99.15	7.86
		For Installation With Adhesive, Deduct	*-8.10*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	146.93	9.49
		For Installation With Adhesive, Deduct	*-11.14*	
		For Polished Finish, Add	*32.69*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	203.78	10.84
		For Installation With Adhesive, Deduct	*-14.53*	
		For Polished Finish, Add	*48.12*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	277.29	12.20
		For Installation With Adhesive, Deduct	*-18.74*	
		For Polished Finish, Add	*68.55*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	347.12	14.10
		For Installation With Adhesive, Deduct	*-23.00*	
		For Polished Finish, Add	*87.22*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	438.86	16.27
		For Installation With Adhesive, Deduct	*-28.45*	
		For Polished Finish, Add	*112.14*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	542.49	19.52
		For Installation With Adhesive, Deduct	*-34.93*	
		For Polished Finish, Add	*139.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	655.00	21.69
		For Installation With Adhesive, Deduct	*-41.43*	
		For Polished Finish, Add	*170.47*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	779.11	24.40
		For Installation With Adhesive, Deduct	*-48.72*	
		For Polished Finish, Add	*204.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	916.71	25.76
		For Installation With Adhesive, Deduct	*-56.14*	
		For Polished Finish, Add	*244.10*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,032.57	27.11
		For Installation With Adhesive, Deduct	*-62.47*	
		For Polished Finish, Add	*277.24*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,449.20	32.54
		For Installation With Adhesive, Deduct	*-85.48*	
		For Polished Finish, Add	*395.72*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	60.67	6.78
		For Installation With Adhesive, Deduct	*-5.74*	
		For Polished Finish, Add	*10.07*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	80.11	7.86
		For Installation With Adhesive, Deduct	*-7.15*	
		For Polished Finish, Add	*14.60*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	103.39	9.49
		For Installation With Adhesive, Deduct	*-8.97*	
		For Polished Finish, Add	*19.63*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	133.98	10.84
		For Installation With Adhesive, Deduct	*-11.04*	
		For Polished Finish, Add	*27.18*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	164.57	12.20
		For Installation With Adhesive, Deduct	*-13.11*	
		For Polished Finish, Add	*34.73*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	202.37	14.10
		For Installation With Adhesive, Deduct	*-15.76*	
		For Polished Finish, Add	*43.79*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	242.92	16.27
		For Installation With Adhesive, Deduct	*-18.65*	
		For Polished Finish, Add	*53.36*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	291.17	19.52
		For Installation With Adhesive, Deduct	*-22.37*	
		For Polished Finish, Add	*63.92*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	340.12	21.69
		For Installation With Adhesive, Deduct	*-25.68*	
		For Polished Finish, Add	*76.01*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	397.94	24.40
		For Installation With Adhesive, Deduct	*-29.66*	
		For Polished Finish, Add	*90.10*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	463.77	25.76
		For Installation With Adhesive, Deduct	*-33.49*	
		For Polished Finish, Add	*108.22*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	531.26	27.11
		For Installation With Adhesive, Deduct	*-37.41*	
		For Polished Finish, Add	*126.84*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	730.80	32.54
		For Installation With Adhesive, Deduct	*-49.56*	
		For Polished Finish, Add	*180.20*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	72.41	6.78
		For Installation With Adhesive, Deduct	*-6.33*	
		For Polished Finish, Add	*13.59*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	97.14	7.86
		For Installation With Adhesive, Deduct	*-8.00*	
		For Polished Finish, Add	*19.71*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	124.99	9.49
		For Installation With Adhesive, Deduct	*-10.05*	
		For Polished Finish, Add	*26.11*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	160.26	10.84
		For Installation With Adhesive, Deduct	*-12.35*	
		For Polished Finish, Add	*35.06*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	198.14	12.20
		For Installation With Adhesive, Deduct	*-14.79*	
		For Polished Finish, Add	*44.80*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	244.70	14.10
		For Installation With Adhesive, Deduct	*-17.88*	
		For Polished Finish, Add	*56.49*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	294.49	16.27
		For Installation With Adhesive, Deduct	*-21.23*	
		For Polished Finish, Add	*68.83*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	352.96	19.52
		For Installation With Adhesive, Deduct	*-25.46*	
		For Polished Finish, Add	*82.46*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	411.06	21.69
		For Installation With Adhesive, Deduct	*-29.23*	
		For Polished Finish, Add	*97.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	482.03	24.40
		For Installation With Adhesive, Deduct	*-33.86*	
		For Polished Finish, Add	*115.33*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	543.13	25.76
		For Installation With Adhesive, Deduct	*-37.46*	
		For Polished Finish, Add	*132.03*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	624.27	27.11
		For Installation With Adhesive, Deduct	*-42.06*	
		For Polished Finish, Add	*154.75*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	862.95	32.54
		For Installation With Adhesive, Deduct	*-56.16*	
		For Polished Finish, Add	*219.84*	
10 14 19 00-0279		1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*		
10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	87.51	6.78
		For Installation With Adhesive, Deduct	*-7.09*	
		For Polished Finish, Add	*18.12*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	119.03	7.86
		For Installation With Adhesive, Deduct	*-9.10*	
		For Polished Finish, Add	*26.27*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	153.78	9.49
		For Installation With Adhesive, Deduct	*-11.49*	
		For Polished Finish, Add	*34.75*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	202.84	10.84
		For Installation With Adhesive, Deduct	*-14.48*	
		For Polished Finish, Add	*47.84*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	252.55	12.20
		For Installation With Adhesive, Deduct	*-17.51*	
		For Polished Finish, Add	*61.13*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	313.30	14.10
		For Installation With Adhesive, Deduct	*-21.31*	
		For Polished Finish, Add	*77.07*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	378.08	16.27
		For Installation With Adhesive, Deduct	*-25.41*	
		For Polished Finish, Add	*93.90*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	453.11	19.52
		For Installation With Adhesive, Deduct	*-30.46*	
		For Polished Finish, Add	*112.51*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	540.26	21.69
		For Installation With Adhesive, Deduct	*-35.69*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	635.19	24.40
		For Installation With Adhesive, Deduct	*-41.52*	
		For Polished Finish, Add	*161.27*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	712.67	25.76
		For Installation With Adhesive, Deduct	*-45.94*	
		For Polished Finish, Add	*182.89*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	822.99	27.11
		For Installation With Adhesive, Deduct	*-51.99*	
		For Polished Finish, Add	*214.36*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,145.25	32.54
		For Installation With Adhesive, Deduct	*-70.28*	
		For Polished Finish, Add	*304.53*	
10 14 23		**Panel Signage** *(10 14)*		
10 14 23 11		**Panel Signage** *(10 14 23)*		
10 14 23 11-0001		Indoor/Outdoor Signs *(10 14 23 11)* Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002		Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0003		Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)* Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	29.32	12.15
		For >25 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-1.50*	
		For Clear Glass Mount, Add	*4.01*	
		For Glow-In-Dark, Add	*10.02*	
		For Reflective Finish, Add	*11.27*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	32.90	12.15
		For >25 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-2.58*	
		For Clear Glass Mount, Add	*6.87*	
		For Glow-In-Dark, Add	*17.18*	
		For Reflective Finish, Add	*19.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	38.62	12.15
		For >25 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-4.29*	
		For Clear Glass Mount, Add	*11.45*	
		For Glow-In-Dark, Add	*28.62*	
		For Reflective Finish, Add	*32.20*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	45.77	12.15
		For >25 To 50, Deduct	*-2.15*	
		For >50 To 100, Deduct	*-5.37*	
		For >100, Deduct	*-6.44*	
		For Clear Glass Mount, Add	*17.17*	
		For Glow-In-Dark, Add	*42.92*	
		For Reflective Finish, Add	*48.29*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	58.65	12.15
		For >25 To 50, Deduct	*-3.43*	
		For >50 To 100, Deduct	*-8.59*	
		For >100, Deduct	*-10.30*	
		For Clear Glass Mount, Add	*27.47*	
		For Glow-In-Dark, Add	*68.68*	
		For Reflective Finish, Add	*77.27*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	81.55	12.15
		For >25 To 50, Deduct	*-5.72*	
		For >50 To 100, Deduct	*-14.31*	
		For >100, Deduct	*-17.17*	
		For Clear Glass Mount, Add	*45.79*	
		For Glow-In-Dark, Add	*114.48*	
		For Reflective Finish, Add	*128.79*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	110.17	12.15
		For >25 To 50, Deduct	*-8.59*	
		For >50 To 100, Deduct	*-21.47*	
		For >100, Deduct	*-25.76*	
		For Clear Glass Mount, Add	*68.69*	
		For Glow-In-Dark, Add	*171.72*	
		For Reflective Finish, Add	*193.19*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
		For Clear Glass Mount, Add	*0.08*	
		For Glow-In-Dark, Add	*0.20*	
		For Reflective Finish, Add	*0.23*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	30.75	12.15
		For >25 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-1.93*	
		For Glow-In-Dark, Add	*12.88*	
		For Reflective Finish, Add	*13.85*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	34.33	12.15
		For >25 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-3.01*	
		For Glow-In-Dark, Add	*20.04*	
		For Reflective Finish, Add	*21.54*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	41.48	12.15
		For >25 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-4.29*	
		For >100, Deduct	*-5.15*	
		For Glow-In-Dark, Add	*34.34*	
		For Reflective Finish, Add	*36.92*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	48.64	12.15
		For >25 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-6.08*	
		For >100, Deduct	*-7.30*	
		For Glow-In-Dark, Add	*48.66*	
		For Reflective Finish, Add	*52.31*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	59.37	12.15
		For >25 To 50, Deduct	*-3.51*	
		For >50 To 100, Deduct	*-8.77*	
		For >100, Deduct	*-10.52*	
		For Glow-In-Dark, Add	*70.12*	
		For Reflective Finish, Add	*75.38*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	70.10	12.15
		For >25 To 50, Deduct	*-4.58*	
		For >50 To 100, Deduct	*-11.45*	
		For >100, Deduct	*-13.74*	
		For Glow-In-Dark, Add	*91.58*	
		For Reflective Finish, Add	*98.45*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	81.55	12.15
		For >25 To 50, Deduct	*-5.72*	
		For >50 To 100, Deduct	*-14.31*	
		For >100, Deduct	*-17.17*	
		For Glow-In-Dark, Add	*114.48*	
		For Reflective Finish, Add	*123.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.08	0.01
		For Glow-In-Dark, Add	*0.12*	
		For Reflective Finish, Add	*0.13*	
10 14 23 11-0021		**Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille** *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	41.48	12.15
		For >25 To 50, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-4.29*	
		For >100, Deduct	*-5.15*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	45.77	12.15
		For >25 To 50, Deduct	*-2.15*	
		For >50 To 100, Deduct	*-5.37*	
		For >100, Deduct	*-6.44*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	52.93	12.15
		For >25 To 50, Deduct	*-2.86*	
		For >50 To 100, Deduct	*-7.16*	
		For >100, Deduct	*-8.59*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	59.66	12.15
		For >25 To 50, Deduct	*-3.54*	
		For >50 To 100, Deduct	*-8.84*	
		For >100, Deduct	*-10.61*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.64	0.12
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	
10 14 23 11-0027		**Engraved Steel, Surface Mount, Indoor/Outdoor Signs** *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	51.50	12.15
		For >25 To 50, Deduct	*-2.72*	
		For >50 To 100, Deduct	*-6.80*	
		For >100, Deduct	*-8.16*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	60.09	12.15
		For >25 To 50, Deduct	*-3.58*	
		For >50 To 100, Deduct	*-8.95*	
		For >100, Deduct	*-10.73*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	71.53	12.15
		For >25 To 50, Deduct	*-4.72*	
		For >50 To 100, Deduct	*-11.81*	
		For >100, Deduct	*-14.17*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	94.43	12.15
		For >25 To 50, Deduct	*-7.01*	
		For >50 To 100, Deduct	*-17.53*	
		For >100, Deduct	*-21.04*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.94	0.12
		For Molded Plastic Frame, Add	*0.20*	
10 14 23 11-0033		**Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs** *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.03	12.15
		For >25 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-1.72*	
		For Glow-In-Dark, Add	*3.43*	
		For Reflective Finish, Add	*4.29*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	34.33	12.15
		For >25 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-3.01*	
		For Glow-In-Dark, Add	*6.01*	
		For Reflective Finish, Add	*7.52*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	42.91	12.15
		For >25 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.65*	
		For >100, Deduct	*-5.58*	
		For Glow-In-Dark, Add	*11.16*	
		For Reflective Finish, Add	*13.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	52.93	12.15
		For >25 To 50, Deduct	*-2.86*	
		For >50 To 100, Deduct	*-7.16*	
		For >100, Deduct	*-8.59*	
		For Glow-In-Dark, Add	*17.17*	
		For Reflective Finish, Add	*21.47*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	82.98	12.15
		For >25 To 50, Deduct	*-5.87*	
		For >50 To 100, Deduct	*-14.67*	
		For >100, Deduct	*-17.60*	
		For Glow-In-Dark, Add	*35.20*	
		For Reflective Finish, Add	*44.00*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	95.86	12.15
		For >25 To 50, Deduct	*-7.16*	
		For >50 To 100, Deduct	*-17.89*	
		For >100, Deduct	*-21.47*	
		For Glow-In-Dark, Add	*42.93*	
		For Reflective Finish, Add	*53.66*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	113.03	12.15
		For >25 To 50, Deduct	*-8.87*	
		For >50 To 100, Deduct	*-22.18*	
		For >100, Deduct	*-26.62*	
		For Glow-In-Dark, Add	*53.23*	
		For Reflective Finish, Add	*66.54*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
		For Glow-In-Dark, Add	*0.06*	
		For Reflective Finish, Add	*0.08*	

10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	76.90	12.15
		For >25 To 50, Deduct	*-5.26*	
		For >50 To 100, Deduct	*-7.89*	
		For >100, Deduct	*-8.94*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	76.90	12.15
		For >25 To 50, Deduct	*-5.26*	
		For >50 To 100, Deduct	*-7.89*	
		For >100, Deduct	*-8.94*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	97.93	12.15
		For >25 To 50, Deduct	*-7.36*	
		For >50 To 100, Deduct	*-11.04*	
		For >100, Deduct	*-12.52*	

10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	143.01	12.15
		For >25 To 50, Deduct	*-11.87*	
		For >50 To 100, Deduct	*-17.81*	
		For >100, Deduct	*-20.18*	

10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	41.90	17.01
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-2.36*	
		For Glow-In-Dark, Add	*4.72*	
		For Reflective Finish, Add	*5.90*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	48.34	17.01
		For >25 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.58*	
		For >100, Deduct	*-4.29*	
		For Glow-In-Dark, Add	*8.59*	
		For Reflective Finish, Add	*10.73*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	56.93	17.01
		For >25 To 50, Deduct	*-2.29*	
		For >50 To 100, Deduct	*-5.73*	
		For >100, Deduct	*-6.87*	
		For Glow-In-Dark, Add	*13.74*	
		For Reflective Finish, Add	*17.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	69.81	17.01
		For >25 To 50, Deduct	*-3.58*	
		For >50 To 100, Deduct	*-8.95*	
		For >100, Deduct	*-10.73*	
		For Glow-In-Dark, Add	*21.47*	
		For Reflective Finish, Add	*26.84*	
10 14 23 11-0055		90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0056		Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*		
10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	42.62	17.01
		For >25 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-2.58*	
		For Glow-In-Dark, Add	*5.15*	
		For Reflective Finish, Add	*6.44*	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	49.77	17.01
		For >25 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-4.72*	
		For Glow-In-Dark, Add	*9.44*	
		For Reflective Finish, Add	*11.81*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	65.51	17.01
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-7.87*	
		For >100, Deduct	*-9.44*	
		For Glow-In-Dark, Add	*18.89*	
		For Reflective Finish, Add	*23.61*	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	71.24	17.01
		For >25 To 50, Deduct	*-3.72*	
		For >50 To 100, Deduct	*-9.30*	
		For >100, Deduct	*-11.16*	
		For Glow-In-Dark, Add	*22.33*	
		For Reflective Finish, Add	*27.91*	
10 14 23 11-0061		Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0062		Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*		
10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	44.76	17.01
		For >25 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.68*	
		For >100, Deduct	*-3.22*	
		For Glow-In-Dark, Add	*6.44*	
		For Reflective Finish, Add	*8.05*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	55.49	17.01
		For >25 To 50, Deduct	*-2.15*	
		For >50 To 100, Deduct	*-5.37*	
		For >100, Deduct	*-6.44*	
		For Glow-In-Dark, Add	*12.88*	
		For Reflective Finish, Add	*16.10*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	59.79	17.01
		For >25 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-6.44*	
		For >100, Deduct	*-7.73*	
		For Glow-In-Dark, Add	*15.46*	
		For Reflective Finish, Add	*19.32*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	65.51	17.01
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-7.87*	
		For >100, Deduct	*-9.44*	
		For Glow-In-Dark, Add	*18.89*	
		For Reflective Finish, Add	*23.61*	
10 14 23 11-0067		Adhesive Backed Vinyl Characters *(10 14 23 11)* Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.19	0.97
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.54*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.30	1.11
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.57*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.42	1.26
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.60*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.57	1.45
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.76*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.73	1.71
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.80*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.69	1.95
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.17*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.16	2.19
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.60	2.43
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.77*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	11.52	2.67
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.25*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	14.74	2.92
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.93*	

10 14 23 11-0078 Standoffs For Wall Signage *(10 14 23 11)*

Note: Exxcludes signage

10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	15.07	5.43
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	15.62	5.43
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	15.76	5.43
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	16.58	5.43
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	17.13	5.43
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	18.22	5.43
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	17.94	6.50
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	19.44	6.50
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	20.67	6.50
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	21.76	6.50
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	23.54	6.50
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	25.72	6.50
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	16.99	5.43
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	17.40	5.43
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	19.17	6.50
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	19.58	6.50
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	21.21	6.50
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.49	6.50

10 14 23 11-0097 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	189.88
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	218.31
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	245.43
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	72.91

10 14 23 11-0102 Building Sign *(10 14 23 11)*

Note: Includes 4" numbers painted on. Installed on building.

10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	192.63	29.16
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	45.94	7.59
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	34.48	7.05
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	34.46	5.97
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	40.17	6.51
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	44.15	7.05
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	52.74	7.59

10 14 29 Wall or Ground Mounted Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

10 14 29 00-0001 Illuminated Signage *(10 14 29)*

10 14 29 00-0002 Removal Of Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	323.13
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	387.76
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	516.97
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	775.52
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,033.94

10 14 29 00-0008 Fabricate And Install New Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	302.55	
		For >5 To 11 Per Each Sign, Deduct	*-15.13*	
		For >11 To 20 Per Each Sign, Deduct	*-22.69*	
		For >20 Per Each Sign, Deduct	*-30.26*	
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	250.93	
		For >5 To 11 Per Each Sign, Deduct	*-12.55*	
		For >11 To 20 Per Each Sign, Deduct	*-18.82*	
		For >20 Per Each Sign, Deduct	*-25.09*	
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	204.82	
		For >5 To 11 Per Each Sign, Deduct	*-10.24*	
		For >11 To 20 Per Each Sign, Deduct	*-15.36*	
		For >20 Per Each Sign, Deduct	*-20.48*	
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	184.40	
		For >5 To 11 Per Each Sign, Deduct	*-9.22*	
		For >11 To 20 Per Each Sign, Deduct	*-13.83*	
		For >20 Per Each Sign, Deduct	*-18.44*	
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	168.94	
		For >5 To 11 Per Each Sign, Deduct	*-8.45*	
		For >11 To 20 Per Each Sign, Deduct	*-12.67*	
		For >20 Per Each Sign, Deduct	*-16.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 29 00-0014		Fabricate And Install New Sign Face, Material And Legend *(10 14 29 00-0001)*		
10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	81.99	
		For >5 To 11 Per Each Sign, Deduct	*-4.10*	
		For >11 To 20 Per Each Sign, Deduct	*-6.15*	
		For >20 Per Each Sign, Deduct	*-8.20*	
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	66.53	
		For >5 To 11 Per Each Sign, Deduct	*-3.33*	
		For >11 To 20 Per Each Sign, Deduct	*-4.99*	
		For >20 Per Each Sign, Deduct	*-6.65*	
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	51.35	
		For >5 To 11 Per Each Sign, Deduct	*-2.57*	
		For >11 To 20 Per Each Sign, Deduct	*-3.85*	
		For >20 Per Each Sign, Deduct	*-5.14*	
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	41.14	
		For >5 To 11 Per Each Sign, Deduct	*-2.06*	
		For >11 To 20 Per Each Sign, Deduct	*-3.09*	
		For >20 Per Each Sign, Deduct	*-4.11*	
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	32.91	
		For >5 To 11 Per Each Sign, Deduct	*-1.65*	
		For >11 To 20 Per Each Sign, Deduct	*-2.47*	
		For >20 Per Each Sign, Deduct	*-3.29*	
10 14 29 00-0020		Posts *(10 14 29)*		
		Note: Includes mounting bolts and installation for sign blades to posts.		
10 14 29 00-0021	LF	2" Square Galvanized Steel Post	25.58	
		For Powder Coating, Add	*1.26*	
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post	24.65	
		For Powder Coating, Add	*1.19*	
10 14 29 00-0023	LF	2" Diameter Recycled Plastic Lumber Post	10.30	
10 14 29 00-0024	EA	Mounting On Ground With Base	60.79	
		Note: Includes bolts and drilling for bolts.		
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	285.36	
		For >5 To 11, Deduct	*-14.27*	
		For >11 To 20, Deduct	*-21.40*	
		For >20, Deduct	*-28.54*	
10 14 31		**Overhead and Ceiling Hung Signage** *(10 14)*		
		Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.		
10 14 31 00-0001		Illuminated Signage *(10 14 31)*		
10 14 31 00-0002		Removal Of Sign Cabinets *(10 14 31 00-0001)*		
10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	355.45	
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	426.53	
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	568.72	
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	853.07	
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,137.22	
10 14 31 00-0008		Fabricate And Install New Sign Cabinets *(10 14 31 00-0001)*		
10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	334.79	
		For >5 To 11 Per Each Sign, Deduct	*-16.74*	
		For >11 To 20 Per Each Sign, Deduct	*-25.11*	
		For >20 Per Each Sign, Deduct	*-33.48*	
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	277.59	
		For >5 To 11 Per Each Sign, Deduct	*-13.88*	
		For >11 To 20 Per Each Sign, Deduct	*-20.82*	
		For >20 Per Each Sign, Deduct	*-27.76*	
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	226.59	
		For >5 To 11 Per Each Sign, Deduct	*-11.33*	
		For >11 To 20 Per Each Sign, Deduct	*-16.99*	
		For >20 Per Each Sign, Deduct	*-22.66*	
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	204.01	
		For >5 To 11 Per Each Sign, Deduct	*-10.20*	
		For >11 To 20 Per Each Sign, Deduct	*-15.30*	
		For >20 Per Each Sign, Deduct	*-20.40*	
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	186.88	
		For >5 To 11 Per Each Sign, Deduct	*-9.34*	
		For >11 To 20 Per Each Sign, Deduct	*-14.02*	
		For >20 Per Each Sign, Deduct	*-18.69*	
10 14 31 00-0014		Fabricate And Install New Sign Face, Material And Legend *(10 14 31 00-0001)*		
10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	33.34	
		For >5 To 11 Per Each Sign, Deduct	*-1.67*	
		For >11 To 20 Per Each Sign, Deduct	*-2.50*	
		For >20 Per Each Sign, Deduct	*-3.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	26.67	
		For >5 To 11 Per Each Sign, Deduct	*-1.33*	
		For >11 To 20 Per Each Sign, Deduct	*-2.00*	
		For >20 Per Each Sign, Deduct	*-2.67*	
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	22.22	
		For >5 To 11 Per Each Sign, Deduct	*-1.11*	
		For >11 To 20 Per Each Sign, Deduct	*-1.67*	
		For >20 Per Each Sign, Deduct	*-2.22*	
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	18.90	
		For >5 To 11 Per Each Sign, Deduct	*-0.95*	
		For >11 To 20 Per Each Sign, Deduct	*-1.42*	
		For >20 Per Each Sign, Deduct	*-1.89*	
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	16.70	
		For >5 To 11 Per Each Sign, Deduct	*-0.84*	
		For >11 To 20 Per Each Sign, Deduct	*-1.25*	
		For >20 Per Each Sign, Deduct	*-1.67*	

10 14 43 Photoluminescent Signage *(10 14)*

10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	62.31	12.15
		For >25 To 50, Deduct	*-3.60*	
		For >50 To 100, Deduct	*-9.50*	
		For >100, Deduct	*-11.40*	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	68.49	12.15
		For >25 To 50, Deduct	*-4.42*	
		For >50 To 100, Deduct	*-11.05*	
		For >100, Deduct	*-13.25*	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	76.98	12.15
		For >25 To 50, Deduct	*-5.27*	
		For >50 To 100, Deduct	*-13.17*	
		For >100, Deduct	*-15.80*	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	74.65	21.87
		For Hi-Intensity Grade, Add	*9.27*	
		For Diamond Grade, Add	*17.61*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	86.59	23.13
		For Hi-Intensity Grade, Add	*12.12*	
		For Diamond Grade, Add	*23.03*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	93.77	24.31
		For Hi-Intensity Grade, Add	*18.52*	
		For Diamond Grade, Add	*29.35*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	108.88	25.56
		For Hi-Intensity Grade, Add	*6.94*	
		For Diamond Grade, Add	*37.60*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	146.17	26.74
		For Hi-Intensity Grade, Add	*20.39*	
		For Diamond Grade, Add	*63.96*	

10 14 53 11-0009 Steel Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	109.28	21.87
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	135.45	23.13
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	143.67	24.31
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	202.26	25.56
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	255.13	26.74

10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	111.71	21.87
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	141.67	23.13
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	155.91	24.31
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	202.83	25.56

10 14 53 11-0020 Other Reflectorized Traffic Signs *(10 14 53 11-0002)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	46.54	19.44
		For Hi-Intensity Grade, Add	*2.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	50.37	19.44
		For Hi-Intensity Grade, Add	*3.44*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	50.37	19.44
		For Hi-Intensity Grade, Add	*3.44*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	53.24	19.44
		For Hi-Intensity Grade, Add	*4.31*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	56.11	19.44
		For Hi-Intensity Grade, Add	*5.17*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	64.27	20.66
		For Hi-Intensity Grade, Add	*6.89*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	87.24	20.66
		For Hi-Intensity Grade, Add	*13.78*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	54.20	19.44
		For Hi-Intensity Grade, Add	*4.59*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	64.27	20.66
		For Hi-Intensity Grade, Add	*6.89*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	71.93	20.66
		For Hi-Intensity Grade, Add	*9.19*	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	79.58	20.66
		For Hi-Intensity Grade, Add	*11.48*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	87.24	20.66
		For Hi-Intensity Grade, Add	*13.78*	
10 14 53 11-0034	EA	17" x 22" Aluminum Engineer Grade Traffic Sign	81.07	20.66
		For Hi-Intensity Grade, Add	*11.93*	
		For > 25 To 50, Deduct	*-2.07*	
		For > 50 To 150, Deduct	*-4.09*	
		For > 150 To 250, Deduct	*-6.12*	
		For > 250, Deduct	*-9.18*	
10 14 53 11-0035	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	75.75	20.66
		For Hi-Intensity Grade, Add	*10.33*	
10 14 53 11-0036	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	87.24	20.66
		For Hi-Intensity Grade, Add	*13.78*	
10 14 53 11-0037	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	101.16	21.87
		For Hi-Intensity Grade, Add	*17.22*	
10 14 53 11-0038	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	112.64	21.87
		For Hi-Intensity Grade, Add	*20.67*	
10 14 53 11-0039	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	145.32	26.74
		For Hi-Intensity Grade, Add	*27.56*	
10 14 53 11-0040	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	156.80	26.74
		For Hi-Intensity Grade, Add	*31.00*	
10 14 53 11-0041	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	104.98	21.87
		For Hi-Intensity Grade, Add	*18.37*	
10 14 53 11-0042	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	120.29	21.87
		For Hi-Intensity Grade, Add	*22.96*	
10 14 53 11-0043	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	135.60	21.87
		For Hi-Intensity Grade, Add	*27.56*	
10 14 53 11-0044	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	160.63	26.74
		For Hi-Intensity Grade, Add	*32.15*	
10 14 53 11-0045	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	175.94	26.74
		For Hi-Intensity Grade, Add	*36.74*	
10 14 53 11-0046	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	191.25	26.74
		For Hi-Intensity Grade, Add	*41.33*	
10 14 53 11-0047	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	206.55	26.74
		For Hi-Intensity Grade, Add	*45.92*	
10 14 53 11-0048	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	139.43	21.87
		For Hi-Intensity Grade, Add	*28.70*	
10 14 53 11-0049	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	168.28	26.74
		For Hi-Intensity Grade, Add	*34.44*	
10 14 53 11-0050	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	187.42	26.74
		For Hi-Intensity Grade, Add	*40.19*	
10 14 53 11-0051	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	216.27	31.59
		For Hi-Intensity Grade, Add	*45.92*	
10 14 53 11-0052	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	264.28	36.46
		For Hi-Intensity Grade, Add	*57.41*	
10 14 53 11-0053	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	191.25	26.74
		For Hi-Intensity Grade, Add	*41.33*	
10 14 53 11-0054	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	223.93	31.59
		For Hi-Intensity Grade, Add	*48.22*	
10 14 53 11-0055	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	256.62	36.46
		For Hi-Intensity Grade, Add	*55.11*	
10 14 53 11-0056	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	279.58	36.46
		For Hi-Intensity Grade, Add	*62.00*	
10 14 53 11-0057	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	312.27	41.31
		For Hi-Intensity Grade, Add	*68.89*	
10 14 53 11-0058	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	371.74	46.18
		For Hi-Intensity Grade, Add	*83.81*	
10 14 53 11-0059	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	390.88	46.18
		For Hi-Intensity Grade, Add	*89.56*	
10 14 53 11-0060	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	520.27	53.47
		For Hi-Intensity Grade, Add	*124.00*	
10 14 53 11-0061	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	260.45	36.46
		For Hi-Intensity Grade, Add	*56.26*	
10 14 53 11-0062	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	327.58	41.31
		For Hi-Intensity Grade, Add	*73.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0063	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	367.91	46.18
		For Hi-Intensity Grade, Add	*82.67*	
10 14 53 11-0064	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	398.53	46.18
		For Hi-Intensity Grade, Add	*91.85*	
10 14 53 11-0065	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	443.73	53.47
		For Hi-Intensity Grade, Add	*101.04*	
10 14 53 11-0066	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	474.34	53.47
		For Hi-Intensity Grade, Add	*110.22*	
10 14 53 11-0067	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	545.30	58.33
		For Hi-Intensity Grade, Add	*128.59*	
10 14 53 11-0068	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	606.53	58.33
		For Hi-Intensity Grade, Add	*146.96*	
10 14 53 11-0069	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	637.15	58.33
		For Hi-Intensity Grade, Add	*156.15*	
10 14 53 11-0070	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	672.63	60.76
		For Hi-Intensity Grade, Add	*165.33*	
10 14 53 11-0071	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	575.91	58.33
		For Hi-Intensity Grade, Add	*137.78*	
10 14 53 11-0072	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,257.75	77.77
		For Hi-Intensity Grade, Add	*330.66*	
10 14 53 11-0073	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	917.56	60.76
		For Hi-Intensity Grade, Add	*238.81*	

10 14 53 11-0074 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0075	EA	6" x 12" Reflective Polyethylene Traffic Sign	78.94	18.28
10 14 53 11-0076	EA	12" x 12" Reflective Polyethylene Traffic Sign	89.58	19.44
10 14 53 11-0077	EA	12" x 18" Reflective Polyethylene Traffic Sign	95.88	20.71
10 14 53 11-0078	EA	18" x 18" Reflective Polyethylene Traffic Sign	115.31	21.87
10 14 53 11-0079	EA	18" x 24" Reflective Polyethylene Traffic Sign	141.67	23.13
10 14 53 11-0080	EA	24" x 24" Reflective Polyethylene Traffic Sign	159.05	23.13

10 14 53 11-0081 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0082 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*

10 14 53 11-0083	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	45.51	19.44
10 14 53 11-0084	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	48.82	19.44
10 14 53 11-0085	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	48.82	19.44
10 14 53 11-0086	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	51.30	19.44
10 14 53 11-0087	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	53.78	19.44
10 14 53 11-0088	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	61.16	20.66
10 14 53 11-0089	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	81.01	20.66
10 14 53 11-0090	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	52.12	19.44
10 14 53 11-0091	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	61.16	20.66
10 14 53 11-0092	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	67.78	20.66
10 14 53 11-0093	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	74.40	20.66
10 14 53 11-0094	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	81.01	20.66
10 14 53 11-0095	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	71.09	20.66
10 14 53 11-0096	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	81.01	20.66
10 14 53 11-0097	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	93.38	21.87
10 14 53 11-0098	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	103.30	21.87
10 14 53 11-0099	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	132.87	26.74
10 14 53 11-0100	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	142.80	26.74
10 14 53 11-0101	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	96.69	21.87
10 14 53 11-0102	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	109.92	21.87
10 14 53 11-0103	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	123.15	21.87
10 14 53 11-0104	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	146.11	26.74
10 14 53 11-0105	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	159.34	26.74
10 14 53 11-0106	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	172.58	26.74
10 14 53 11-0107	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	185.81	26.74
10 14 53 11-0108	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	126.46	21.87
10 14 53 11-0109	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	152.73	26.74
10 14 53 11-0110	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	169.27	26.74
10 14 53 11-0111	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	195.53	31.59
10 14 53 11-0112	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	238.35	36.46
10 14 53 11-0113	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	172.58	26.74
10 14 53 11-0114	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	202.15	31.59
10 14 53 11-0115	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	231.73	36.46
10 14 53 11-0116	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	251.58	36.46
10 14 53 11-0117	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	281.15	41.31
10 14 53 11-0118	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	333.88	46.18
10 14 53 11-0119	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	350.43	46.18
10 14 53 11-0120	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	464.26	53.47
10 14 53 11-0121	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	235.04	36.46
10 14 53 11-0122	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	294.39	41.31
10 14 53 11-0123	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	330.57	46.18
10 14 53 11-0124	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	357.04	46.18
10 14 53 11-0125	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	398.09	53.47
10 14 53 11-0126	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	424.56	53.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0127	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	487.22	58.33
10 14 53 11-0128	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	540.15	58.33
10 14 53 11-0129	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	566.62	58.33
10 14 53 11-0130	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	597.95	60.76
10 14 53 11-0131	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	513.68	58.33
10 14 53 11-0132	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,108.40	77.77
10 14 53 11-0133	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	809.70	60.76
10 14 53 11-0134		Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*		
10 14 53 11-0135	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	45.78	19.44
10 14 53 11-0136	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	49.22	19.44
10 14 53 11-0137	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	49.22	19.44
10 14 53 11-0138	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	51.80	19.44
10 14 53 11-0139	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	54.39	19.44
10 14 53 11-0140	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	61.97	20.66
10 14 53 11-0141	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	82.63	20.66
10 14 53 11-0142	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	52.66	19.44
10 14 53 11-0143	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	61.97	20.66
10 14 53 11-0144	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	68.86	20.66
10 14 53 11-0145	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	75.74	20.66
10 14 53 11-0146	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	82.63	20.66
10 14 53 11-0147	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	72.30	20.66
10 14 53 11-0148	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	82.63	20.66
10 14 53 11-0149	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	95.40	21.87
10 14 53 11-0150	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	105.73	21.87
10 14 53 11-0151	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	136.11	26.74
10 14 53 11-0152	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	146.44	26.74
10 14 53 11-0153	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	98.84	21.87
10 14 53 11-0154	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	112.62	21.87
10 14 53 11-0155	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	126.39	21.87
10 14 53 11-0156	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	149.88	26.74
10 14 53 11-0157	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	163.66	26.74
10 14 53 11-0158	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	177.43	26.74
10 14 53 11-0159	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	191.20	26.74
10 14 53 11-0160	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	129.83	21.87
10 14 53 11-0161	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	156.77	26.74
10 14 53 11-0162	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	173.99	26.74
10 14 53 11-0163	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	200.92	31.59
10 14 53 11-0164	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	245.09	36.46
10 14 53 11-0165	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	177.43	26.74
10 14 53 11-0166	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	207.81	31.59
10 14 53 11-0167	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	238.20	36.46
10 14 53 11-0168	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	258.86	36.46
10 14 53 11-0169	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	289.24	41.31
10 14 53 11-0170	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	343.73	46.18
10 14 53 11-0171	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	360.94	46.18
10 14 53 11-0172	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	478.82	53.47
10 14 53 11-0173	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	241.65	36.46
10 14 53 11-0174	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	303.02	41.31
10 14 53 11-0175	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	340.28	46.18
10 14 53 11-0176	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	367.83	46.18
10 14 53 11-0177	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	409.96	53.47
10 14 53 11-0178	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	437.50	53.47
10 14 53 11-0179	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	502.32	58.33
10 14 53 11-0180	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	557.41	58.33
10 14 53 11-0181	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	584.96	58.33
10 14 53 11-0182	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	617.37	60.76
10 14 53 11-0183	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	529.86	58.33
10 14 53 11-0184	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,147.23	77.77
10 14 53 11-0185	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	837.74	60.76
10 14 53 11-0186		Polyethylene Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*		
10 14 53 11-0187	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	66.96	18.28
10 14 53 11-0188	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	73.16	19.44
10 14 53 11-0189	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	78.75	20.71
10 14 53 11-0190	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	103.07	21.87
10 14 53 11-0191	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	110.41	23.13
10 14 53 11-0192	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	127.82	24.31
10 14 53 11-0193		Signs For Overhead Sign Structures *(10 14 53 11-0001)*		
		Note: Including horizontal Z-bars.		
10 14 53 11-0194	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
		For Over 10' High, Add	*13.00*	
10 14 53 11-0195	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
		Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
10 14 53 11-0196		Flashing Beacon *(10 14 53 11-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0197	EA	Flashing Beacon Assembly	1,347.52	199.73
10 14 53 11-0198		**Aluminum Street Signs** *(10 14 53 11-0001)* Note: Excludes posts.		
10 14 53 11-0199		**Aluminum Engineer Grade Street Signs** *(10 14 53 11-0198)*		
10 14 53 11-0200	EA	6" High, Aluminum Engineer Grade Street Sign	82.74	9.72
		For Hi-Intensity Grade, Add	*18.99*	
10 14 53 11-0201	EA	8" High, Aluminum Engineer Grade Street Sign	93.91	9.72
		For Hi-Intensity Grade, Add	*22.34*	
10 14 53 11-0202	EA	9" High, Aluminum Engineer Grade Street Sign	102.23	9.72
		For Hi-Intensity Grade, Add	*24.84*	
10 14 53 11-0203		**Street Sign Accessories** *(10 14 53 11-0198)*		
10 14 53 11-0204	EA	Single Bracket And Post Cap For Street Sign	24.95	4.86
10 14 53 11-0205	EA	Double Bracket And Post Cap For Street Sign	24.95	4.86
10 14 53 11-0206		**Sign Posts** *(10 14 53 11-0001)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0207		**U-Channel Sign Posts** *(10 14 53 11-0206)* Note: Excludes digging and concrete.		
10 14 53 11-0208		**Baked Enamel U-Channel Sign Posts** *(10 14 53 11-0207)*		
10 14 53 11-0209	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	66.11	19.84
10 14 53 11-0210	EA	6' Baked Enamel U-Channel Sign Post	86.76	24.81
10 14 53 11-0211	EA	7' Baked Enamel U-Channel Sign Post	103.59	29.76
10 14 53 11-0212	EA	8' Baked Enamel U-Channel Sign Post	121.29	34.73
10 14 53 11-0213	EA	10' Baked Enamel U-Channel Sign Post	146.37	42.16
10 14 53 11-0214	EA	12' Baked Enamel U-Channel Sign Post	150.60	42.16
10 14 53 11-0215		**Galvanized Steel U-Channel Sign Posts** *(10 14 53 11-0207)*		
10 14 53 11-0216	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	71.55	19.84
10 14 53 11-0217	EA	6' Galvanized Steel U-Channel Sign Post	95.40	24.81
10 14 53 11-0218	EA	7' Galvanized Steel U-Channel Sign Post	123.14	29.76
10 14 53 11-0219	EA	8' Galvanized Steel U-Channel Sign Post	142.90	34.73
10 14 53 11-0220	EA	10' Galvanized Steel U-Channel Sign Post	162.10	42.16
10 14 53 11-0221	EA	12' Galvanized Steel U-Channel Sign Post	164.29	42.16
10 14 53 11-0222		**Fiberglass Or Composite Plastic U-Channel Sign Posts** *(10 14 53 11-0207)*		
10 14 53 11-0223	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	64.83	19.84
10 14 53 11-0224	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	83.97	24.81
10 14 53 11-0225	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	100.22	29.76
10 14 53 11-0226	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	117.27	34.73
10 14 53 11-0227	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	139.08	42.16
10 14 53 11-0228	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	146.28	42.16
10 14 53 11-0229		**Tubular Sign Posts** *(10 14 53 11-0206)* Note: Excludes digging and concrete.		
10 14 53 11-0230		**2-3/8" Diameter, Galvanized Steel Tubular Sign Post** *(10 14 53 11-0229)*		
10 14 53 11-0231	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	96.30	24.81
10 14 53 11-0232	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	114.27	29.76
10 14 53 11-0233	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	134.98	34.73
10 14 53 11-0234	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	173.92	42.16
10 14 53 11-0235	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	188.76	42.16
10 14 53 11-0236		**Square Sign Posts** *(10 14 53 11-0206)* Note: Excludes digging and concrete.		
10 14 53 11-0237		**Galvanized Steel Square Sign Posts** *(10 14 53 11-0236)*		
10 14 53 11-0238	EA	3' To 4' Galvanized Steel Square Sign Post Base	72.76	19.84
10 14 53 11-0239	EA	6' Galvanized Steel Square Sign Post	115.87	24.81
10 14 53 11-0240	EA	7' Galvanized Steel Square Sign Post	135.88	29.76
10 14 53 11-0241	EA	8' Galvanized Steel Square Sign Post	158.49	34.73
10 14 53 11-0242	EA	10' Galvanized Steel Square Sign Post	193.54	42.16
10 14 53 11-0243	EA	12' Galvanized Steel Square Sign Post	203.90	42.16
10 14 53 11-0244		**Standard Driven Street Sign Posts, Square** *(10 14 53 11-0236)*		
10 14 53 11-0245	EA	12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth	243.52	42.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0246		Other Sign Posts And Bases *(10 14 53 11-0001)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0247		2.5 LB/FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)*		
10 14 53 11-0248		Base Posts, 2.5 LB/LF, For Breakaway Sign Posts *(10 14 53 11-0247)*		
10 14 53 11-0249	EA	Base Post for 2.5 LB/LF Breakaway Sign Post	98.87	24.31
10 14 53 11-0250	EA	Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post	59.98	19.44
10 14 53 11-0251		Breakaway Sign Posts, 2.5 LB/LF *(10 14 53 11-0247)*		
10 14 53 11-0252	LF	2.5 LB/LF Breakaway Sign Post	12.43	2.43
10 14 53 11-0253		4 LB/FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)*		
10 14 53 11-0254		Base Posts, 4 LB/LF, For Breakaway Sign Posts *(10 14 53 11-0253)*		
10 14 53 11-0255	EA	Base Post For 4 LB/LF Breakaway Sign Post	103.37	29.16
10 14 53 11-0256	EA	Lap Splice Hardware for 4 LB/LF Breakaway Sign Post	59.98	19.44
10 14 53 11-0257		Breakaway Sign Posts, 4 LB/LF *(10 14 53 11-0253)*		
10 14 53 11-0258	LF	4 LB/LF Breakaway Sign Post	15.22	2.43
10 14 53 11-0259		Driven Sign Posts *(10 14 53 11-0246)*		
10 14 53 11-0260		Driven Posts, 2.5 LB/LF *(10 14 53 11-0259)*		
10 14 53 11-0261	LF	2.5 LB/LF Driven Post	13.40	3.40
10 14 53 11-0262		Driven Posts, 4 LB/LF *(10 14 53 11-0259)*		
10 14 53 11-0263	LF	4 LB/LF Driven Post	16.68	3.89
10 14 53 11-0264		Omni-Directional Breakaway System For Sign Posts And Light Poles *(10 14 53 11-0246)*		
10 14 53 11-0265		Omni-Directional Breakaway Systems For Signs *(10 14 53 11-0264)* Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0266	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,435.75	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,529.78	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,048.79	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	918.59	
10 14 53 11-0270	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,041.56	
10 14 53 11-0271	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	990.92	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,074.10	
10 14 53 11-0273		Omni-Directional Breakaway Systems For Poles *(10 14 53 11-0264)* Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 11-0274	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	486.41	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	509.94	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	529.57	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	804.15	
10 14 53 11-0278	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	70.61	
10 14 53 11-0279	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	94.15	
10 14 53 11-0280		Sign Post Accessories *(10 14 53 11-0001)*		
10 14 53 11-0281		Sign Post Brackets *(10 14 53 11-0280)*		
10 14 53 11-0282	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side sign post brackets	49.23	7.29
10 14 53 11-0283	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side sign post brackets	65.94	12.15
10 14 53 11-0284	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	59.56	9.72
10 14 53 11-0285		Sign Post Caps *(10 14 53 11-0280)*		
10 14 53 11-0286	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	22.64	4.86
10 14 53 11-0287		Sign Post Replacement Bolts *(10 14 53 11-0280)*		
10 14 53 11-0288	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	15.91	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0289		Removal Of Signs *(10 14 53 11)*		
		Note: Includes structural supports.		
10 14 53 11-0290	EA	>4 To 10 SF Sign Area, Sign Removal	194.43	
10 14 53 11-0291	EA	>10 To 20 SF Sign Area, Sign Removal	466.63	
10 14 53 11-0292	EA	>20 To 40 SF Sign Area, Sign Removal	699.95	
10 14 53 11-0293	EA	>40 To 100 SF Sign Area, Sign Removal	1,134.96	
10 14 53 11-0294		Removal And Reinstallation Of Signs *(10 14 53 11)*		
		Note: Includes structural supports.		
10 14 53 11-0295	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	296.39	
10 14 53 11-0296	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	703.34	
10 14 53 11-0297	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,052.81	
10 14 53 11-0298	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,705.12	
10 14 53 11-0299	EA	Removal And Reinstallation Of Street Sign On Post	111.80	
10 14 53 11-0300	EA	Removal And Relocation Of Traffic Light	398.98	
		Note: Excludes electrical hookup.		
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		Bridge And Truss Mounted Signs *(10 14 56)*		
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation	18.16	
		Note: Including Excavation		
10 14 56 00-0004	LF	Removal Of Truss And Supports	227.58	
10 14 56 00-0005	SF	Removal Of Sign Face	10.41	
10 14 56 00-0006	SF	Removal Of Legend	17.34	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	200.06	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	104.03	
10 14 56 00-0009		Fabricate And Install Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish	603.20	
10 14 56 00-0011	LF	Telescoping Steel Ground Posts	100.85	
10 14 56 00-0012	LF	Overhead Steel Mounting Framework	1,786.05	
10 14 56 00-0013	LB	Ground Mounted Steel Structure	7.10	
10 14 56 00-0014		Fabricate And Install New 12" Extruded Aluminum Channel *(10 14 56 00-0001)*		
		Note: Includes reflective face with reflective legend.		
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	130.91	
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	116.77	
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	104.46	
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	93.89	
10 14 56 00-0019		Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*		
10 14 56 00-0020		One Color/3 Dimensional Demountable Letters *(10 14 56 00-0019)*		
10 14 56 00-0021	EA	6" Capital Height Letter	31.74	
10 14 56 00-0022	EA	8" Capital Height Letter	37.42	
10 14 56 00-0023	EA	10" Capital Height Letter	43.06	
10 14 56 00-0024	EA	12" Capital Height Letter	48.15	
10 14 56 00-0025	EA	14" Capital Height Letter	51.06	
10 14 56 00-0026		Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0019)*		
10 14 56 00-0027	EA	6" Legend/Shields	32.72	
10 14 56 00-0028	EA	8" Legend/Shields	38.73	
10 14 56 00-0029	EA	10" Legend/Shields	44.69	
10 14 56 00-0030	EA	12" Legend/Shields	50.11	
10 14 56 00-0031	EA	14" Legend/Shields	53.37	
10 14 56 00-0032		Fabricate And Install New Changeable Message Panel *(10 14 56 00-0001)*		
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel	37.92	
10 14 63		**Electronic Message Signage** *(10 14)*		
10 14 63 00-0001		Dynamic Signs *(10 14 63)*		
10 14 63 00-0002		Programming/Software And Repair *(10 14 63 00-0001)*		
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	198.18	
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	123.86	
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source	123.86	
10 14 63 00-0006		Fabricate And Install New Sign Cabinets *(10 14 63 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 63 00-0007		Cabinet For Flip Disk Display *(10 14 63 00-0006)*		
10 14 63 00-0008	SF	1 To 99 SF Cabinet	221.87	
10 14 63 00-0009	SF	100 To 200 SF Cabinet	181.63	
10 14 63 00-0010		Fabricate And Install New Sign Face Components *(10 14 63 00-0001)*		
10 14 63 00-0011		Enhanced Flip Disk Display *(10 14 63 00-0010)*		
10 14 63 00-0012	EA	Enhanced Flip Disk	157.58	
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	62.47	
10 14 63 00-0014		Disappearing Copy Sign *(10 14 63 00-0010)*		
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign	45.06	
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	32.46	
10 14 63 00-0017		Fabricate And Install Transfer Lights And Signs *(10 14 63 00-0001)*		
10 14 63 00-0018	EA	Passenger Transfer Signage	628.07	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001		Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002		Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0003		Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*		
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,054.55	122.06
		For >10, Deduct	*-81.04*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,278.38	132.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,366.08	138.34
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0007		Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Includes headrail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,093.40	149.19
		For >10, Deduct	*-79.50*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,272.96	160.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,346.39	165.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0011		Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,290.47	176.32
		For >10, Deduct	*-93.78*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,508.31	187.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,585.05	192.59
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0015		Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Excludes above ceiling steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,240.40	203.44
		For >10, Deduct	*-83.35*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,495.04	214.29
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,580.49	219.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 13-0019 Enamel Coated Steel Urinal Screens *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	556.08	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	616.99	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	679.80	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	311.10	65.07
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	335.42	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	353.95	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	404.64	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	454.77	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	484.86	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	514.96	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	513.73	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	551.53	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	610.51	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	336.00	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	343.70	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	364.28	23.33
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	398.94	23.33
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	406.64	23.33
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	

10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	238.35	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	263.03	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	287.70	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	312.38	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	337.06	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	361.72	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	384.47	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	409.16	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	426.12	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	435.99	55.33
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	448.88	56.96
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	490.88	59.67
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	527.09	62.39
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0059		**70" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	182.70	16.28
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	201.60	18.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	222.42	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	258.65	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	292.95	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	327.25	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	423.15	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	486.33	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	522.55	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0069		**82" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	146.13	16.28
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	159.26	18.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	174.30	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	197.05	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	217.87	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	240.62	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	298.02	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	336.18	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	358.93	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0079		**96" To 120" Long, Enamel Coated Steel, Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	203.18	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	222.08	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	242.90	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	279.12	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	313.42	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	347.73	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	443.63	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	506.80	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	543.03	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition		2,459.73	122.06
		For >10, Deduct		*-221.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*775.46*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		2,972.81	132.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*947.44*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		3,113.88	138.34
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*993.02*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes headrail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition		2,073.75	149.19
		For >10, Deduct		*-177.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*621.38*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		2,528.41	160.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*772.92*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		2,756.94	165.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*849.10*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition		2,878.29	176.32
		For >10, Deduct		*-252.57*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*883.98*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		3,087.46	187.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*949.60*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		3,232.68	192.59
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*996.63*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition		2,876.10	203.44
		For >10, Deduct		*-246.92*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*864.23*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		3,507.19	214.29
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*1,077.51*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		3,688.97	219.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*241.76*	
		For Diamond Pattern Finish, Add		*1,137.34*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen		805.01	75.92
		For Heavy Gauge Full-Height SS Brackets, Add		*66.98*	
		For Diamond Pattern Finish, Add		*228.61*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen		912.12	81.34
		For Heavy Gauge Full-Height SS Brackets, Add		*66.98*	
		For Diamond Pattern Finish, Add		*262.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	930.84	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*265.06*	
10 21 13 14-0024		**Wall Hung, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	593.54	65.07
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*162.19*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	642.24	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*175.43*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	701.33	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*192.33*	
10 21 13 14-0028		**Wall Hung And Post Supported, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	970.29	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*290.26*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,016.59	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*302.66*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,062.66	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*314.99*	
10 21 13 14-0032		**Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	805.01	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*228.61*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	912.11	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*262.30*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,023.74	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*297.57*	
10 21 13 14-0036		**Stainless Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 14-0001)*		
10 21 13 14-0037		**Stainless Steel, Toilet Partition Doors** *(10 21 13 14-0036)*		
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	537.51	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For Diamond Pattern Finish, Add	*172.94*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	615.55	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For Diamond Pattern Finish, Add	*200.25*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	631.79	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For Diamond Pattern Finish, Add	*204.04*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	654.32	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For Diamond Pattern Finish, Add	*211.92*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	660.59	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For Diamond Pattern Finish, Add	*214.12*	
10 21 13 14-0043		**Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	461.58	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*138.77*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	512.81	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*154.80*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	534.06	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*160.34*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	558.32	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*166.93*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	599.32	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*179.38*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	647.07	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*194.20*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	758.10	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*231.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	830.46	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*254.58*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	851.73	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*260.13*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	894.41	55.33
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*274.31*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	950.50	56.96
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*292.80*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	995.93	59.67
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*306.80*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,093.44	62.39
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*339.03*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	321.39	16.28
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*101.09*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	349.71	18.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*109.11*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	379.79	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*117.74*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	432.77	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*134.38*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	485.75	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*151.03*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	538.72	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*167.67*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	685.05	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*216.98*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	785.58	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*250.27*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	838.55	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*266.91*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	244.85	16.28
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*74.31*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	264.81	18.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*79.39*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	285.50	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*84.74*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	371.50	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*112.93*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	419.38	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*127.80*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	433.61	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*130.88*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	491.61	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*149.28*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	554.86	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*169.52*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	588.96	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*179.55*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	351.61	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*107.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	385.22	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*117.74*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	417.06	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*126.98*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	478.84	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*146.71*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	538.87	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*165.82*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	598.89	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*184.93*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	771.63	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*243.49*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	886.25	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*281.70*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	948.04	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Diamond Pattern Finish, Add	*301.43*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,422.89	122.06
		For >10, Deduct	*-117.88*	
		For Cast Stainless Steel Hardware, Add	*194.19*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,746.40	132.91
		For Cast Stainless Steel Hardware, Add	*194.21*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,881.20	138.34
		For Cast Stainless Steel Hardware, Add	*194.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes headrail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,534.68	149.19
		For >10, Deduct	*-123.63*	
		For Cast Stainless Steel Hardware, Add	*194.23*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,872.58	160.04
		For Cast Stainless Steel Hardware, Add	*194.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,018.16	165.46
		For Cast Stainless Steel Hardware, Add	*194.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,050.65	203.44
		For >10, Deduct	*-164.38*	
		For Cast Stainless Steel Hardware, Add	*194.31*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,399.61	214.29
		For Cast Stainless Steel Hardware, Add	*194.32*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,534.40	219.72
		For Cast Stainless Steel Hardware, Add	*194.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 16-0015 **Laminated Plastic Urinal Screens** *(10 21 13 16-0001)*
Note: Includes all standard Bobrick colors.

10 21 13 16-0016 **Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*

10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	591.46	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	645.43	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	664.73	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 16-0020 **Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*

10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	457.37	65.07
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	480.54	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	502.58	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 16-0024 **Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*

10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	612.35	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	672.36	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	737.55	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 16-0028 **Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*

10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	563.40	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	618.60	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	637.20	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 16-0032 **Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)*
Note: Includes all standard Bobrick colors.

10 21 13 16-0033 **Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*

10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	479.18	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	521.52	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	538.50	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	551.59	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	563.91	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	

10 21 13 16-0039 **Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*

10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	236.73	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	262.12	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	287.49	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	313.90	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	338.27	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	364.77	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	372.54	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	381.79	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	401.87	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	419.01	55.33
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	438.07	56.96
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	501.24	59.67
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	572.87	62.39
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0053		69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*		
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	196.54	16.28
		For 1-1/4" Pilaster, Add	*13.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*163.99*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	226.61	18.98
		For 1-1/4" Pilaster, Add	*15.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*188.63*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	232.03	21.70
		For 1-1/4" Pilaster, Add	*15.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*188.63*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	255.94	24.41
		For 1-1/4" Pilaster, Add	*17.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*207.11*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	266.75	27.12
		For 1-1/4" Pilaster, Add	*17.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*212.50*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	289.88	29.84
		For 1-1/4" Pilaster, Add	*18.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*230.21*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	370.76	32.55
		For 1-1/4" Pilaster, Add	*25.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*305.66*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	450.10	35.26
		For 1-1/4" Pilaster, Add	*31.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*379.57*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	505.57	37.98
		For 1-1/4" Pilaster, Add	*35.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*429.62*	
10 21 13 16-0063		83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*		
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	390.57	16.28
		For 1-1/4" Pilaster, Add	*29.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*358.02*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	431.41	18.98
		For 1-1/4" Pilaster, Add	*32.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*393.43*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	436.83	21.70
		For 1-1/4" Pilaster, Add	*32.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*393.43*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	472.29	24.41
		For 1-1/4" Pilaster, Add	*34.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*423.46*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	515.44	27.12
		For 1-1/4" Pilaster, Add	*38.05*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*461.19*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	550.11	29.84
		For 1-1/4" Pilaster, Add	*40.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*490.44*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	686.06	32.55
		For 1-1/4" Pilaster, Add	*51.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*620.96*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	781.94	35.26
		For 1-1/4" Pilaster, Add	*58.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*711.41*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	801.99	37.98
		For 1-1/4" Pilaster, Add	*59.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For Steel Core Pilaster, Add	*726.04*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0001			**Recycled Solid Polymer (HDPE) Toilet Partitions** *(10 21 13 19)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			**Recycled Solid Plastic (HDPE) Toilet Partitions** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			**Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)* Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,901.03	149.19
			For >10, Deduct	*-160.27*	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*993.65*	
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,344.82	160.04
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*1,255.34*	
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,600.66	165.46
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*1,407.23*	
10 21 13 19-0007			**Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)* Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,894.58	176.32
			For >10, Deduct	*-154.20*	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*956.01*	
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,377.57	187.17
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*1,242.01*	
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,633.41	192.59
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*1,393.90*	
10 21 13 19-0011			**Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)* Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,983.79	203.44
			For >10, Deduct	*-157.69*	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*977.68*	
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,358.89	214.29
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*1,196.79*	
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,614.71	219.72
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
			For NFPA Class A, Add	*1,348.67*	
10 21 13 19-0015			**Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016			**Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	437.18	65.07
			For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
			For NFPA Class A, Add	*190.36*	
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	460.12	70.50
			For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
			For NFPA Class A, Add	*197.85*	
10 21 13 19-0019			**Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	558.32	70.50
			For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
			For NFPA Class A, Add	*258.74*	
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	708.25	75.92
			For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
			For NFPA Class A, Add	*344.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	787.59	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*387.44*	
10 21 13 19-0023		Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	569.17	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*258.74*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	719.09	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*344.97*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	855.25	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*422.67*	
10 21 13 19-0027		Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0001)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028		Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	455.91	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*255.76*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	493.45	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*279.03*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	536.15	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*302.14*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	612.12	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*349.24*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	630.10	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*360.39*	
10 21 13 19-0034		Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	156.53	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*56.69*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	253.40	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*113.38*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	350.23	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*170.05*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	409.59	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*203.49*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	497.08	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*254.37*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	531.19	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*272.16*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	596.92	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*309.55*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	673.66	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*353.76*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	736.19	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*389.17*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	752.19	55.33
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*397.74*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	777.57	56.96
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*411.46*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	879.81	59.67
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*471.48*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	948.61	62.39
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*510.78*	
10 21 13 19-0048		82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	208.68	16.28
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*109.20*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	231.77	18.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*120.15*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	251.76	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*129.18*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	270.21	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*137.26*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	303.44	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*154.50*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	336.65	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*171.73*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	464.07	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*247.36*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	524.98	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*281.76*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	571.71	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*307.37*	
10 21 13 19-0058		96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*		
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	254.35	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*130.79*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	279.86	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*143.24*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	308.20	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*157.45*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	349.41	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*179.64*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	391.03	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*202.08*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	432.26	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*224.27*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	555.68	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*297.43*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	622.17	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*335.29*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	676.76	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*365.77*	
10 21 13 19-0068		Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*		
		Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070		Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*		
		Note: Includes headrail.		
10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition	2,461.96	149.19
		For >10, Deduct	*-216.36*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,341.43*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,053.50	160.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,694.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,395.08	165.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,899.77*	
10 21 13 19-0074		Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,434.26	176.32
		For >10, Deduct	*-208.16*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,290.61*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,078.69	187.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,676.70*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,420.28	192.59
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,881.76*	
10 21 13 19-0078		Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,535.72	203.44
		For >10, Deduct	*-212.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,319.88*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,034.48	214.29
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,615.65*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,376.05	219.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*1,820.70*	
10 21 13 19-0082		Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083		Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*		
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	544.62	65.07
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*256.97*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	567.86	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*264.65*	
10 21 13 19-0086		Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	892.14	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*465.71*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,015.97	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*535.76*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,083.00	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*570.60*	
10 21 13 19-0090		Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	715.21	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*349.29*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	913.83	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*465.71*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,093.85	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*570.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0094		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	600.29	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*345.27*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	650.99	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*376.71*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	706.71	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*407.89*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	809.28	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*471.48*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	833.54	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*486.52*	
10 21 13 19-0101		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	188.52	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*76.52*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	317.40	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*153.06*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	446.24	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*229.58*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	524.46	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*274.71*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	640.67	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*343.39*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	684.83	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*367.42*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	771.66	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*417.89*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	873.38	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*477.59*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	955.88	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*525.38*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	976.72	55.33
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*536.95*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,009.83	56.96
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*555.46*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,145.98	59.67
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*636.50*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,236.94	62.39
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*689.55*	
10 21 13 19-0115		82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*		
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	270.32	16.28
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*147.42*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	299.60	18.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*162.20*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	324.68	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*174.39*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	374.86	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*202.14*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	421.25	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*227.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	467.58	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*252.90*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	603.71	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*333.94*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	684.05	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*380.38*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	745.22	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*414.95*	
10 21 13 19-0125		96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*		
10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	328.19	21.70
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*176.57*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	360.73	24.41
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*193.38*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	397.09	27.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*212.56*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	450.84	29.84
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*242.53*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	505.12	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*272.81*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	558.86	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*302.76*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	723.60	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*401.54*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	811.44	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*452.64*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	883.23	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*493.78*	
10 21 13 19-0135		Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*		
		Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136		Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0137		Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,183.57	122.06
		For >10, Deduct	*-193.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*419.49*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,688.78	132.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*522.11*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,006.06	138.34
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*587.00*	
10 21 13 19-0141		Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Includes headrail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,419.12	149.19
		For >10, Deduct	*-212.07*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*460.27*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,944.57	160.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*567.15*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,277.28	165.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*635.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0145		**Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,489.94	176.32
		For >10, Deduct	*-213.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*466.47*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,011.63	187.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*572.55*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,328.91	192.59
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*637.44*	
10 21 13 19-0149		**Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,445.27	203.44
		For >10, Deduct	*-203.64*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*448.41*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,950.13	214.29
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*550.95*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,267.40	219.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
		For NFPA Class A, Add	*615.85*	
10 21 13 19-0153		**Solid Phenolic Urinal Screens** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	783.95	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*140.34*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	887.95	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*160.44*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,068.95	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*196.71*	
10 21 13 19-0158		**Wall Hung, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	495.09	65.07
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*83.14*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	575.23	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*98.24*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	694.73	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*121.60*	
10 21 13 19-0162		**Wall Hung And Post Supported, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	501.19	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*82.69*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	632.09	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*108.44*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	741.66	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*129.72*	
10 21 13 19-0166		**Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	809.53	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*147.44*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	914.19	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*167.69*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,098.66	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*204.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	596.21	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*118.26*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	616.99	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*122.62*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	675.76	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*134.10*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	729.97	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*145.48*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	785.65	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
		For NFPA Class A, Add	*157.17*	
10 21 13 19-0177		**Solid Phenolic, Toilet Partition Panels** *(10 21 13 19-0170)*		
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	180.31	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*27.45*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	243.30	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*39.81*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	335.08	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*58.21*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	427.85	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*76.83*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	477.81	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*86.45*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	530.31	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*96.61*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	620.61	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*114.70*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	713.63	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*133.37*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	761.40	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*142.53*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	782.81	55.33
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*146.68*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	797.62	56.96
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*149.27*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	920.08	59.67
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*174.12*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,114.89	62.39
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*214.16*	
10 21 13 19-0191		**69" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	281.24	16.28
		For 1" Pilaster, Add	*31.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*53.85*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	323.62	18.98
		For 1" Pilaster, Add	*35.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*61.88*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	329.04	21.70
		For 1" Pilaster, Add	*35.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*62.15*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	381.44	24.41
		For 1" Pilaster, Add	*41.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*72.29*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	429.20	27.12
		For 1" Pilaster, Add	*46.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*81.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	476.97	29.84
		For 1" Pilaster, Add	*52.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*90.62*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	612.52	32.55
		For 1" Pilaster, Add	*68.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*118.21*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	754.22	35.26
		For 1" Pilaster, Add	*85.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*147.10*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	791.98	37.98
		For 1" Pilaster, Add	*89.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*154.16*	
10 21 13 19-0201		**83" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	308.95	16.28
		For 1" Pilaster, Add	*34.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*59.67*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	362.12	18.98
		For 1" Pilaster, Add	*40.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*69.97*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	367.54	21.70
		For 1" Pilaster, Add	*40.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*70.24*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	426.09	24.41
		For 1" Pilaster, Add	*47.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*81.67*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	481.56	27.12
		For 1" Pilaster, Add	*53.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*92.45*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	537.42	29.84
		For 1" Pilaster, Add	*59.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*103.31*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	702.60	32.55
		For 1" Pilaster, Add	*79.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*137.13*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	838.55	35.26
		For 1" Pilaster, Add	*96.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*164.81*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	881.69	37.98
		For 1" Pilaster, Add	*100.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*173.00*	
10 21 13 19-0211		**96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	347.52	21.70
		For 1" Pilaster, Add	*38.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*66.04*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	411.46	24.41
		For 1" Pilaster, Add	*45.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*78.59*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	416.88	27.12
		For 1" Pilaster, Add	*45.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*78.86*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	481.59	29.84
		For 1" Pilaster, Add	*52.74*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*91.59*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	544.76	32.55
		For 1" Pilaster, Add	*59.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*103.98*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	608.71	35.26
		For 1" Pilaster, Add	*67.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*116.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	803.53	37.98
		For 1" Pilaster, Add	*90.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*156.59*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	933.69	40.69
		For 1" Pilaster, Add	*106.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*183.05*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	982.23	43.40
		For 1" Pilaster, Add	*111.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
		For NFPA Class A, Add	*192.38*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,416.30	122.06
		For >10, Deduct	*-217.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,979.54	132.91
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,333.59	138.34
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes headrail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,673.61	149.19
		For >10, Deduct	*-237.52*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,259.51	160.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,630.84	165.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,746.42	176.32
		For >10, Deduct	*-239.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,328.11	187.17
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,682.16	192.59
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,689.88	203.44
		For >10, Deduct	*-228.30*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,252.71	214.29
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,606.75	219.72
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 19-0239 **Solid Color Reinforced Composite Urinal Screens** *(10 21 13 19-0221)*
Note: Includes all standard Bobrick colors.

10 21 13 19-0240 **Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*

10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	859.80	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	974.98	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,176.40	86.77
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 19-0244 **Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*

10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	538.89	65.07
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	627.34	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	759.88	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 19-0248 **Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*

10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	544.42	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	689.72	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	811.14	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 19-0252 **Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*

10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	889.76	70.50
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,005.67	75.92
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,210.98	81.34
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 19-0256 **Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0221)*
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.

10 21 13 19-0257 **Solid Color Reinforced Composite, Toilet Partition Doors** *(10 21 13 19-0256)*

10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	662.54	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	685.83	21.70
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	751.00	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	811.70	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	874.07	24.41
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	

10 21 13 19-0263 **Solid Color Reinforced Composite, Toilet Partition Panels** *(10 21 13 19-0256)*

10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	194.14	32.55
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	264.03	35.26
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	366.17	37.98
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	469.42	40.69
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	524.73	43.40
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	582.88	46.12
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	683.37	48.83
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	786.90	51.54
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	839.74	54.25
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	863.47	55.33
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	879.67	56.96
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,016.17	59.67
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,233.71	62.39
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0277		69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	311.08	16.28
		For 1" Pilaster, Add	*34.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	357.90	18.98
		For 1" Pilaster, Add	*39.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	363.32	21.70
		For 1" Pilaster, Add	*39.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	421.35	24.41
		For 1" Pilaster, Add	*46.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	474.20	27.12
		For 1" Pilaster, Add	*52.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	527.05	29.84
		For 1" Pilaster, Add	*58.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	678.21	32.55
		For 1" Pilaster, Add	*76.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	836.27	35.26
		For 1" Pilaster, Add	*95.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	877.90	37.98
		For 1" Pilaster, Add	*100.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0287		83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	342.12	16.28
		For 1" Pilaster, Add	*38.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	401.02	18.98
		For 1" Pilaster, Add	*45.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	406.44	21.70
		For 1" Pilaster, Add	*45.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	471.36	24.41
		For 1" Pilaster, Add	*52.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	532.84	27.12
		For 1" Pilaster, Add	*59.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	594.75	29.84
		For 1" Pilaster, Add	*66.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	779.10	32.55
		For 1" Pilaster, Add	*89.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	930.71	35.26
		For 1" Pilaster, Add	*107.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	978.38	37.98
		For 1" Pilaster, Add	*112.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0297		96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	384.01	21.70
		For 1" Pilaster, Add	*42.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	454.98	24.41
		For 1" Pilaster, Add	*50.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	460.40	27.12
		For 1" Pilaster, Add	*50.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	532.22	29.84
		For 1" Pilaster, Add	*59.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	602.32	32.55
		For 1" Pilaster, Add	*67.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	673.29	35.26
		For 1" Pilaster, Add	*75.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	890.84	37.98
		For 1" Pilaster, Add	*101.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,035.96	40.69
		For 1" Pilaster, Add	*119.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,089.68	43.40
		For 1" Pilaster, Add	*125.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	4,969.76	122.06
		For >10, Deduct	*-472.56*	
		For Solid Color Material (No Particulate), Deduct	*-1,086.89*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,007.65	132.91
		For Solid Color Material (No Particulate), Deduct	*-1,320.62*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,665.96	138.34
		For Solid Color Material (No Particulate), Deduct	*-1,469.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,152.72	149.19
		For >10, Deduct	*-485.44*	
		For Solid Color Material (No Particulate), Deduct	*-1,116.50*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,784.26	160.04
		For Solid Color Material (No Particulate), Deduct	*-1,486.76*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,515.07	165.46
		For Solid Color Material (No Particulate), Deduct	*-1,652.35*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,768.45	176.32
		For >10, Deduct	*-541.58*	
		For Solid Color Material (No Particulate), Deduct	*-1,245.64*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,767.50	187.17
		For Solid Color Material (No Particulate), Deduct	*-1,700.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,497.75	192.59
		For Solid Color Material (No Particulate), Deduct	*-1,865.89*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,815.75	203.44
		For >10, Deduct	*-540.89*	
		For Solid Color Material (No Particulate), Deduct	*-1,244.04*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,447.88	214.29
		For Solid Color Material (No Particulate), Deduct	*-1,614.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,178.10	219.72
		For Solid Color Material (No Particulate), Deduct	*-1,779.89*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*241.76*	
10 21 13 19-0325		Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*		
10 21 13 19-0326		Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,353.86	75.92
		For Solid Color Material (No Particulate), Deduct	*-276.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,796.35	81.34
		For Solid Color Material (No Particulate), Deduct	*-375.74*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,238.85	86.77
		For Solid Color Material (No Particulate), Deduct	*-475.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0330		Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	682.24	65.07
		For Solid Color Material (No Particulate), Deduct	*-126.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	877.10	70.50
		For Solid Color Material (No Particulate), Deduct	*-169.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,071.99	75.92
		For Solid Color Material (No Particulate), Deduct	*-211.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0334		Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	898.29	70.50
		For Solid Color Material (No Particulate), Deduct	*-174.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,124.98	75.92
		For Solid Color Material (No Particulate), Deduct	*-223.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,351.63	81.34
		For Solid Color Material (No Particulate), Deduct	*-273.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0338		Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,390.05	70.50
		For Solid Color Material (No Particulate), Deduct	*-287.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,832.56	75.92
		For Solid Color Material (No Particulate), Deduct	*-386.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,275.05	81.34
		For Solid Color Material (No Particulate), Deduct	*-485.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0342		Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*		
10 21 13 19-0343		Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*		
10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,086.54	21.70
		For Solid Color Material (No Particulate), Deduct	*-239.92*	
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,161.09	21.70
		For Solid Color Material (No Particulate), Deduct	*-257.07*	
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,324.20	24.41
		For Solid Color Material (No Particulate), Deduct	*-293.34*	
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,478.05	24.41
		For Solid Color Material (No Particulate), Deduct	*-328.72*	
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,545.00	24.41
		For Solid Color Material (No Particulate), Deduct	*-344.12*	
		For Heavy Gauge Full-Height SS Hinge, Add	*107.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0349		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	280.91	32.55
		For Solid Color Material (No Particulate), Deduct	*-49.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	502.18	35.26
		For Solid Color Material (No Particulate), Deduct	*-99.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	723.41	37.98
		For Solid Color Material (No Particulate), Deduct	*-148.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	944.68	40.69
		For Solid Color Material (No Particulate), Deduct	*-198.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,165.92	43.40
		For Solid Color Material (No Particulate), Deduct	*-248.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,387.15	46.12
		For Solid Color Material (No Particulate), Deduct	*-297.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,608.42	48.83
		For Solid Color Material (No Particulate), Deduct	*-347.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,829.66	51.54
		For Solid Color Material (No Particulate), Deduct	*-397.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,086.87	54.25
		For Solid Color Material (No Particulate), Deduct	*-455.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,196.97	55.33
		For Solid Color Material (No Particulate), Deduct	*-479.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,272.16	56.96
		For Solid Color Material (No Particulate), Deduct	*-496.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,637.28	59.67
		For Solid Color Material (No Particulate), Deduct	*-579.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,930.46	62.39
		For Solid Color Material (No Particulate), Deduct	*-645.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0363		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	371.27	16.28
		For Solid Color Material (No Particulate), Deduct	*-77.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	461.38	18.98
		For Solid Color Material (No Particulate), Deduct	*-97.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	551.48	21.70
		For Solid Color Material (No Particulate), Deduct	*-116.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	726.30	24.41
		For Solid Color Material (No Particulate), Deduct	*-155.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	901.08	27.12
		For Solid Color Material (No Particulate), Deduct	*-194.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,075.86	29.84
		For Solid Color Material (No Particulate), Deduct	*-233.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,589.37	32.55
		For Solid Color Material (No Particulate), Deduct	*-350.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,933.54	35.26
		For Solid Color Material (No Particulate), Deduct	*-428.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,108.32	37.98
		For Solid Color Material (No Particulate), Deduct	*-467.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0373		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	418.31	16.28
		For Solid Color Material (No Particulate), Deduct	*-88.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	520.21	18.98
		For Solid Color Material (No Particulate), Deduct	*-110.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	611.03	21.70
		For Solid Color Material (No Particulate), Deduct	*-130.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	835.09	24.41
		For Solid Color Material (No Particulate), Deduct	*-180.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,018.68	27.12
		For Solid Color Material (No Particulate), Deduct	*-221.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,216.98	29.84
		For Solid Color Material (No Particulate), Deduct	*-266.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,801.08	32.55
		For Solid Color Material (No Particulate), Deduct	*-399.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,192.30	35.26
		For Solid Color Material (No Particulate), Deduct	*-488.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,390.60	37.98
		For Solid Color Material (No Particulate), Deduct	*-532.37*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	551.48	21.70
		For Solid Color Material (No Particulate), Deduct	*-116.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	683.94	24.41
		For Solid Color Material (No Particulate), Deduct	*-146.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	816.40	27.12
		For Solid Color Material (No Particulate), Deduct	*-175.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,075.86	29.84
		For Solid Color Material (No Particulate), Deduct	*-233.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,335.33	32.55
		For Solid Color Material (No Particulate), Deduct	*-292.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,594.80	35.26
		For Solid Color Material (No Particulate), Deduct	*-350.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,362.36	37.98
		For Solid Color Material (No Particulate), Deduct	*-525.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,875.90	40.69
		For Solid Color Material (No Particulate), Deduct	*-642.74*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,135.37	43.40
		For Solid Color Material (No Particulate), Deduct	*-701.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*66.98*	
10 21 13 40		**Stone Toilet Compartments** *(10 21 13)*		
10 21 13 40-0001		Stone Toilet Partitions And Urinal Screens *(10 21 13 40)*		
10 21 13 40-0002		Floor And Ceiling Anchored, Stone Toilet Partitions And Urinal Screens *(10 21 13 40-0001)*		
10 21 13 40-0003	SF	Floor And Ceiling Anchored, Stone Toilet, Urinal Or Shower Partition (White Carrara) Note: Thickness 1-1/4" to match standard of design. Facing: 1/4" thickness of natural marble as selected – panel to be double sided for an all stone finish. All exposed edges of panel shall be natural stone. Reinforcing: 3/4" aluminum honeycomb composite bonded with high strength epoxy. Incudes chrome-plated brass stirrup type U-brackets, chrome-plated brass HW and accessories, and theft-resistant-type heads and through-bolt application fasteners.	96.57	17.36
10 21 13 43		**Compartments and Cubicles Common Accessories** *(10 21 13)*		
10 21 13 43-0001		Accessories *(10 21 13 43)*		
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	13.96	2.17
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	24.20	2.17
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	116.05	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	73.06	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	121.85	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	88.80	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	216.61	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	188.22	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	143.89	
10 21 16		**Shower and Dressing Compartments** *(10 21)*		
10 21 16 17		**Phenolic-Core Shower and Dressing Compartments** *(10 21 16)*		
10 21 16 17-0001		Shower Dividers *(10 21 16 17)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0002		Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)* Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,276.91	135.63
		For 66" High Panels, Add	*150.85*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,633.85	146.48
		For 66" High Panels, Add	*201.13*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,145.28	162.75
		For 66" High Panels, Add	*272.96*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,534.73	189.88
		For 66" High Panels, Add	*323.25*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,924.21	217.01
		For 66" High Panels, Add	*373.53*	
10 21 16 17-0008		Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)* Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.		
10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,190.39	238.38
		For 66" High Panels, Add	*454.72*	
		For 6" Wide Head Rail, Add	*86.18*	
		For 8" Wide Head Rail, Add	*118.08*	
		For 10" Wide Head Rail, Add	*145.22*	
		For 12" Wide Head Rail, Add	*174.74*	
		For 18" Wide, 1/2" Thick Bench, Add	*132.67*	
		For 24" Wide, 1/2" Thick Bench, Add	*172.67*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,979.23	260.29
		For 66" High Panels, Add	*570.85*	
		For 6" Wide Head Rail, Add	*108.96*	
		For 8" Wide Head Rail, Add	*148.76*	
		For 10" Wide Head Rail, Add	*183.34*	
		For 12" Wide Head Rail, Add	*220.53*	
		For 18" Wide, 1/2" Thick Bench, Add	*137.07*	
		For 24" Wide, 1/2" Thick Bench, Add	*177.07*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,076.34	276.79
		For 66" High Panels, Add	*733.77*	
		For 6" Wide Head Rail, Add	*141.22*	
		For 8" Wide Head Rail, Add	*191.98*	
		For 10" Wide Head Rail, Add	*237.21*	
		For 12" Wide Head Rail, Add	*285.21*	
		For 18" Wide, 1/2" Thick Bench, Add	*140.36*	
		For 24" Wide, 1/2" Thick Bench, Add	*180.36*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,408.15	309.66
		For 66" High Panels, Add	*780.26*	
		For 6" Wide Head Rail, Add	*149.86*	
		For 8" Wide Head Rail, Add	*203.94*	
		For 10" Wide Head Rail, Add	*251.83*	
		For 12" Wide Head Rail, Add	*302.81*	
		For 18" Wide, 1/2" Thick Bench, Add	*146.93*	
		For 24" Wide, 1/2" Thick Bench, Add	*186.93*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	6,206.81	336.57
		For 66" High Panels, Add	*897.37*	
		For 6" Wide Head Rail, Add	*172.74*	
		For 8" Wide Head Rail, Add	*234.81*	
		For 10" Wide Head Rail, Add	*290.15*	
		For 12" Wide Head Rail, Add	*348.85*	
		For 18" Wide, 1/2" Thick Bench, Add	*152.31*	
		For 24" Wide, 1/2" Thick Bench, Add	*192.31*	

10 21 23 Cubicle Curtains and Track *(10 21)*

10 21 23 13 Cubicle Curtains *(10 21 23)*

10 21 23 13-0001		Hospital Curtains With Nylon Mesh Tops *(10 21 23 13)*		
10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	17.73	0.93
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.79	0.93
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	20.13	0.93
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.20	0.93
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.28	0.93
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.34	0.93

10 21 23 16 Cubicle Track and Hardware *(10 21 23)*

10 21 23 16-0001		Hospital Bendable Curtain Track *(10 21 23 16)*		
10 21 23 16-0002	EA	105', Bendable Curtain Track (InPro 115237)	1,360.14	92.94
10 21 23 16-0003	EA	16', Bendable Curtain Track (InPro 115236)	266.91	53.08
10 21 23 16-0004	EA	8', Bendable Curtain Track (InPro 115235)	153.02	35.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 23 16-0005		**Hospital Cubicle Curtain Channel Track** *(10 21 23 16)*		
		Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0006	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	22.50	4.93
10 21 23 16-0007	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	35.89	5.43
10 21 23 16-0008		**Hospital IV Tracks** *(10 21 23 16)*		
10 21 23 16-0009	LF	Oval Hospital Partition IV Track	23.41	3.09
10 21 23 16-0010	EA	Hospital Partition IV Trolley	127.99	12.91
10 21 23 16-0011	EA	5 Hook Tree, Hospital Partition IV Pendant	522.47	12.91

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001		**Wall Panels** *(10 22 13)*		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.82	1.36
		For 5' Wide Panels, Add	*0.61*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.39	1.63
		For 5' Wide Panels, Add	*0.66*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	25.05	1.90
		For 5' Wide Panels, Add	*1.06*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)*		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.31	1.63
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.89	1.90
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.68	2.17
10 22 13 00-0009		**Sliding Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,364.91	284.82
		For 8 Gauge, Add	*147.77*	
		For 6 Gauge, Add	*295.55*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,435.37	314.66
		For 8 Gauge, Add	*152.37*	
		For 6 Gauge, Add	*304.75*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,572.98	325.51
		For 8 Gauge, Add	*170.85*	
		For 6 Gauge, Add	*341.69*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,716.21	352.63
		For 8 Gauge, Add	*186.90*	
		For 6 Gauge, Add	*373.81*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,773.07	374.33
		For 8 Gauge, Add	*191.09*	
		For 6 Gauge, Add	*382.19*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,953.97	396.04
		For 8 Gauge, Add	*213.89*	
		For 6 Gauge, Add	*427.78*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,099.92	425.87
		For 8 Gauge, Add	*229.81*	
		For 6 Gauge, Add	*459.63*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,288.85	444.86
		For 8 Gauge, Add	*254.36*	
		For 6 Gauge, Add	*508.71*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,307.86	455.71
		For 8 Gauge, Add	*255.04*	
		For 6 Gauge, Add	*510.07*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,550.82	482.84
		For 8 Gauge, Add	*286.06*	
		For 6 Gauge, Add	*572.11*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	935.88	168.18
		For 8 Gauge, Add	*104.22*	
		For 6 Gauge, Add	*208.43*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,007.89	189.88
		For 8 Gauge, Add	*113.21*	
		For 6 Gauge, Add	*226.42*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,080.80	200.73
		For 8 Gauge, Add	*121.98*	
		For 6 Gauge, Add	*243.95*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,062.14	217.01
		For 8 Gauge, Add	*115.92*	
		For 6 Gauge, Add	*231.84*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,137.75	227.85
		For 8 Gauge, Add	*125.09*	
		For 6 Gauge, Add	*250.18*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,188.70	238.70
		For 8 Gauge, Add	*130.56*	
		For 6 Gauge, Add	*261.13*	

10 22 13 00-0028 Double Swing Doors *(10 22 13 00-0020)*

10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,483.35	271.25
		For 8 Gauge, Add	*168.25*	
		For 6 Gauge, Add	*336.50*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,606.58	287.53
		For 8 Gauge, Add	*183.48*	
		For 6 Gauge, Add	*366.96*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,729.79	303.80
		For 8 Gauge, Add	*198.71*	
		For 6 Gauge, Add	*397.41*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,856.87	325.51
		For 8 Gauge, Add	*213.43*	
		For 6 Gauge, Add	*426.86*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,035.63	341.78
		For 8 Gauge, Add	*236.99*	
		For 6 Gauge, Add	*473.98*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,212.29	358.06
		For 8 Gauge, Add	*260.23*	
		For 6 Gauge, Add	*520.47*	

10 22 13 00-0035 Dutch Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,281.50	168.18
		For 8 Gauge, Add	*156.06*	
		For 6 Gauge, Add	*312.12*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,359.67	189.88
		For 8 Gauge, Add	*165.97*	
		For 6 Gauge, Add	*331.95*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,398.40	200.73
		For 8 Gauge, Add	*169.62*	
		For 6 Gauge, Add	*339.23*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,469.68	227.85
		For 8 Gauge, Add	*174.88*	
		For 6 Gauge, Add	*349.76*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,412.76	217.01
		For 8 Gauge, Add	*168.51*	
		For 6 Gauge, Add	*337.03*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,499.36	227.85
		For 8 Gauge, Add	*179.33*	
		For 6 Gauge, Add	*358.67*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	163.64	17.26
		For >9, Add	*20.46*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	143.83	13.74
		For >9, Add 17.98		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	124.04	10.33
		For >9, Add 15.51		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	164.09	13.74
		For >9, Add 20.51		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	238.73	14.78
		For >9, Add 29.84		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	253.98	17.26
		For >9, Add 31.75		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	318.48	18.80
		For >9, Add 39.81		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	53.49	2.58
		For Acoustical Partitions, Add	*4.84*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	66.78	4.33
		For Acoustical Partitions, Add	*5.81*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	57.06	2.68
		For Acoustical Partitions, Add	*5.16*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	81.64	3.72
		For Acoustical Partitions, Add	*7.43*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	97.51	17.26
		For >9, Add 12.19		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	165.33	18.80
		For >9, Add 20.67		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	177.91	20.67
		For >9, Add 22.24		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	205.54	17.26
		For >9, Add 25.69		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	344.30	18.80
		For >9, Add 43.04		

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 13 Wall Screens *(10 22 23)*

10 22 23 13-0001 Privacy Screens, Free Standing *(10 22 23 13)*

10 22 23 13-0002	EA	62-1/2" Wide x 70" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MC4022)	219.62	24.31
10 22 23 13-0003	EA	62-1/2" Wide x 66" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Vinyl PVC Fabric (DQE MC5032)	470.74	24.31
10 22 23 13-0004	EA	62" Wide x 74" High, Four Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MCK5022)	827.25	34.03
10 22 23 13-0005	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3C)	441.13	29.16
10 22 23 13-0006	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3CUS)	414.78	29.16
10 22 23 13-0007	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF)	715.33	29.16
10 22 23 13-0008	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/PB)	488.50	29.16
10 22 23 13-0009	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/WHT)	488.50	29.16
10 22 23 13-0010	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Beige Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/C)	488.50	29.16
10 22 23 13-0011	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue, Beige, Green Or Mauve Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF-M-BGF or GG)	715.33	29.16
10 22 23 13-0012	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3US)	404.19	29.16

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	323.29	8.27
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	344.50	9.19
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	409.53	11.06
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	238.71	4.75
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	253.20	5.47
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	284.47	6.61
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	242.69	5.06
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	431.68	9.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	474.11	11.06
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	251.47	6.30
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	286.00	7.34
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	230.59	5.47
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	258.64	6.61
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	383.25	9.19
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	432.13	11.06
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	389.71	9.19
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	474.11	11.06
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	301.63	5.47
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	339.36	6.61
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	318.57	5.06
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	380.09	5.99
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	183.66	6.30
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	216.57	7.34
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	195.67	6.61
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	142.59	5.06
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	232.80	6.61
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	265.64	6.93
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	213.64	6.71

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	689.51	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	654.84	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	516.18	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	597.07	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,169.04	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	235.47	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	315.87	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	338.98	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	195.02	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,400.14	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	195.02	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,053.49	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	14.01	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	323.19	

10 22 23 23-0045 Adjustable Barrier Panel System (Starc Systems, Inc.) *(10 22 23 23)*

10 22 23 23-0046	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc S3-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	807.78	
10 22 23 23-0047	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	909.54	
10 22 23 23-0048	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc S3-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,001.62	
10 22 23 23-0049	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 32" Wide (Starc S3-WM-32) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,063.03	
10 22 23 23-0050	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 42" Wide (Starc S3-WM-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,216.51	
10 22 23 23-0051	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,308.60	
10 22 23 23-0052	EA	Containment Wall/Dust Barrier, 42" Hinged Door (Starc S3-HD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset it not included.	1,922.55	
10 22 23 23-0053	EA	Containment Wall/Dust Barrier, 42" Hinged Door With Handleset And Closer (Starc S3-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,597.89	
10 22 23 23-0054	EA	Containment Wall/Dust Barrier, 54" Hinged Door With Handleset And Closer (Starc S3-HD-54H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,843.46	
10 22 23 23-0055	EA	Containment Wall/Dust Barrier, 42" Sliding Door With ICU Latch (Starc S3-SD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,966.24	
10 22 23 23-0056	EA	Containment Wall/Dust Barrier, 54" Sliding Door With ICU Latch (Starc S3-SD-54) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,150.44	
10 22 23 23-0057	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc S1-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	467.49	
10 22 23 23-0058	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc S1-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	467.49	
10 22 23 23-0059	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Filler Panel Kit (Starc S1-FP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	234.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0060	EA	Containment Wall/Dust Barrier, Wall Mounted Differential Pressure Monitor (Starc S1-RPM-RT1) Note: Includes installation of wall mounted differential pressure monitor for containment wall.	1,416.84	
10 22 23 23-0061	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, 9/16" To 15/16" (Starc S1-FGC) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	14.60	
10 22 23 23-0062	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, Ultraline Grid (Starc S1-FGC-U) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	13.98	
10 22 23 23-0063	EA	Containment Wall/Dust Barrier, Accessories, Flexible Corner, 15 To 90 Degrees (Starc S1-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	387.69	
10 22 23 23-0064	EA	Containment Wall/Dust Barrier, Accessories, Right Hand T-Intersection (Starc S1-OT-R) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	571.87	
10 22 23 23-0065	EA	Containment Wall/Dust Barrier, Accessories, Left Hand T-Intersection (Starc S1-OT-L) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	571.87	
10 22 23 23-0066	EA	Containment Wall/Dust Barrier, Accessories, T-Intersection Bracket (Starc S1-IT) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection bracket.	234.20	
10 22 23 23-0067	EA	Containment Wall/Dust Barrier, Accessories, Quad Screw Joiner Plate (Starc S1-JP) Note: Includes installation of quad screw joiner plate for containment barrier.	13.36	
10 22 23 23-0068	EA	Containment Wall/Dust Barrier, Accessories, Floor Panel Brace (Starc S3-FPB) Note: Includes installation of containment barrier floor panel brace.	246.48	
10 22 23 23-0069	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc LB-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	500.82	
10 22 23 23-0070	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc LB-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	571.87	
10 22 23 23-0071	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc LB-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	633.27	
10 22 23 23-0072	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 36" Wide (Starc LB-WM-36) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	756.05	
10 22 23 23-0073	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 48" Wide (Starc LB-WM-48) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	848.15	
10 22 23 23-0074	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, 24" Wide (Starc LB-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	940.23	
10 22 23 23-0075	EA	Lightweight Containment Wall/Dust Barrier, 42" Hinged Door (Starc LB-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset and closer are included	1,732.23	
10 22 23 23-0076	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc LB-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	326.28	
10 22 23 23-0077	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc LB-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	326.28	
10 22 23 23-0078	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Filler Panel (Starc LB-RFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	277.17	
10 22 23 23-0079	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Filler Panel (Starc LB-LFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	277.17	
10 22 23 23-0080	EA	Lightweight Containment Wall/Dust Barrier, Accessories, Flexible Corner (Starc LB-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	356.99	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	91.25	5.11
		For <135, Add	*18.25*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	92.63	5.29
		For <135, Add	*18.53*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	97.04	5.45
		For <135, Add	*19.41*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	103.03	5.64
		For <135, Add	*20.61*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	104.79	5.80
		For <135, Add	*20.96*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	106.03	5.97
		For <135, Add	*21.21*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	107.22	6.14
		For <135, Add	*21.44*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	108.68	6.48
		For <135, Add	*21.74*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	115.36	6.48
		For <135, Add	*23.07*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	122.04	6.48
		For <135, Add	*24.41*	

10 22 43 Sliding Partitions *(10 22)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0001		**Operable Wall** *(10 22 43)*		
		Note: Includes top support track, assembled panel and frames.		
10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	243.09	21.38
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.57*	
		For 49 STC, Add	*14.68*	
		For 52 STC, Add	*22.25*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	226.21	17.22
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.32*	
		For 49 STC, Add	*14.37*	
		For 52 STC, Add	*21.77*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	213.72	14.29
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.08*	
		For 49 STC, Add	*14.06*	
		For 52 STC, Add	*21.31*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	207.62	15.03
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.53*	
		For 49 STC, Add	*13.37*	
		For 52 STC, Add	*20.26*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	194.63	12.22
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.24*	
		For 49 STC, Add	*12.99*	
		For 52 STC, Add	*19.69*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	186.91	10.99
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.99*	
		For 49 STC, Add	*12.68*	
		For 52 STC, Add	*19.21*	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	184.60	11.85
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.67*	
		For 49 STC, Add	*12.28*	
		For 52 STC, Add	*18.60*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	174.65	10.14
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.37*	
		For 49 STC, Add	*11.89*	
		For 52 STC, Add	*18.01*	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	167.79	9.04
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.13*	
		For 49 STC, Add	*11.58*	
		For 52 STC, Add	*17.55*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	184.48	14.29
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.16*	
		For 49 STC, Add	*11.63*	
		For 52 STC, Add	*17.62*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	170.22	10.88
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-8.92*	
		For 49 STC, Add	*11.32*	
		For 52 STC, Add	*17.15*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	161.93	9.16
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-8.71*	
		For 49 STC, Add	*11.06*	
		For 52 STC, Add	*16.76*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*		
10 26 13 00-0005		LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	7.62	3.25
			For >50 To 100, Deduct	*-1.36*	
			For >100 To 200, Deduct	*-1.90*	
			For >200, Deduct	*-2.55*	
10 26 13 00-0006		LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	8.15	3.25
			For >50 To 100, Deduct	*-1.36*	
			For >100 To 200, Deduct	*-1.90*	
			For >200, Deduct	*-2.58*	
10 26 13 00-0007		LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	11.10	3.25
			For >50 To 100, Deduct	*-1.36*	
			For >100 To 200, Deduct	*-1.90*	
			For >200, Deduct	*-2.73*	
10 26 13 00-0008		LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	14.79	3.25
			For >50 To 100, Deduct	*-1.36*	
			For >100 To 200, Deduct	*-1.90*	
			For >200, Deduct	*-2.91*	
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*		
10 26 13 00-0010		LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	14.12	3.25
			For >50 To 100, Deduct	*-1.36*	
			For >100 To 200, Deduct	*-1.90*	
			For >200, Deduct	*-2.88*	
10 26 13 00-0011			Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*		
			Note: Includes closure caps.		
10 26 13 00-0012			Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0013			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
10 26 13 00-0014		LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	14.14	4.88
			For >50 To 100, Deduct	*-2.03*	
			For >100 To 200, Deduct	*-2.85*	
			For >200, Deduct	*-3.96*	
			For Recycled Vinyl Retainer, Deduct	*-1.20*	
10 26 13 00-0015		LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	15.78	4.88
			For >50 To 100, Deduct	*-2.03*	
			For >100 To 200, Deduct	*-2.85*	
			For >200, Deduct	*-4.04*	
			For Recycled Vinyl Retainer, Deduct	*-1.53*	
10 26 13 00-0016		LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	17.42	4.88
			For >50 To 100, Deduct	*-2.03*	
			For >100 To 200, Deduct	*-2.85*	
			For >200, Deduct	*-4.12*	
			For Recycled Vinyl Retainer, Deduct	*-1.86*	
10 26 13 00-0017			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
10 26 13 00-0018		LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	20.49	4.88
			For >50 To 100, Deduct	*-2.03*	
			For >100 To 200, Deduct	*-2.85*	
			For >200, Deduct	*-4.28*	
			For Recycled Vinyl Retainer, Deduct	*-2.47*	
10 26 13 00-0019			End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
			Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020		LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	29.09	6.50
			For >50 To 100, Deduct	*-2.71*	
			For >100 To 200, Deduct	*-3.79*	
			For >200, Deduct	*-5.79*	
			For Recycled Vinyl Retainer, Deduct	*-3.65*	
10 26 13 00-0021			Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0022			90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0023		LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	18.86	4.88
			For >50 To 100, Deduct	*-2.03*	
			For >100 To 200, Deduct	*-2.85*	
			For >200, Deduct	*-4.20*	
			For Up To 2 HR Fire Rated, Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	22.75	4.88
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-4.39*	
		For Up To 2 HR Fire Rated, Add	*10.23*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	21.08	4.88
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-4.31*	
		For Up To 2 HR Fire Rated, Add	*9.07*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	24.41	4.88
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-4.47*	
		For Up To 2 HR Fire Rated, Add	*11.40*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	51.20	6.50
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.79*	
		For >200, Deduct	*-6.90*	
		For Up To 2 HR Fire Rated, Add	*28.25*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*

10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	10.49	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.70*	
		For Bolting To Concrete Or Masonry, Add	*2.39*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	13.42	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.84*	
		For Bolting To Concrete Or Masonry, Add	*2.83*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	15.79	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.96*	
		For Bolting To Concrete Or Masonry, Add	*3.18*	

10 26 13 00-0036 Polycarbonate Corner Guards *(10 26 13)*

10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*

10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*

10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	6.96	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.52*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	8.39	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.59*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	10.06	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.68*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	11.07	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.73*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	10.70	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	11.07	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.73*	
10 26 13 00-0046		Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	9.87	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.67*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	11.80	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.76*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	13.00	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.82*	
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	9.87	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.67*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	11.80	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.76*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	13.00	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.82*	
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.77	3.91
		For Galvanizing, Add	*2.19*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.24*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.20	4.23
		For Galvanizing, Add	*3.20*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-3.63*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.22	4.39
		For Galvanizing, Add	*3.47*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 200, Deduct	*-2.56*	
		For >200, Deduct	*-3.79*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.61	4.55
		For Galvanizing, Add	*3.51*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-3.92*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	21.87	4.72
		For Galvanizing, Add	*4.90*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-4.24*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	26.16	4.88
		For Galvanizing, Add	*6.31*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-4.56*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	44.47	6.50
		For Galvanizing, Add	*11.77*	
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-3.79*	
		For >200, Deduct	*-6.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0067		Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068		Stainless Steel Corner Guards *(10 26 13 00-0067)* Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	10.97	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.72*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	12.67	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-2.81*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.10	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.03*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	17.10	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.03*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.10	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.03*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	17.10	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.03*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	20.98	3.91
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.65*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	34.50	4.23
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-4.55*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	47.98	4.39
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 200, Deduct	*-2.56*	
		For >200, Deduct	*-5.33*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	44.87	4.55
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-5.28*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	63.83	4.72
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-6.34*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	59.05	4.88
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-2.85*	
		For >200, Deduct	*-6.20*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	49.27	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-4.64*	
		For Bolting To Concrete Or Masonry, Add	*8.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	22.27	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.29*	
		For Bolting To Concrete Or Masonry, Add	*4.16*	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	19.57	3.25
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.15*	
		For Bolting To Concrete Or Masonry, Add	*3.75*	
10 26 16		**Bumper Guards** *(10 26)*		
10 26 16 13		**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001		Crash Rails *(10 26 16 13)* Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	12.25	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-4.08*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	13.52	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-4.15*	
10 26 16 13-0005		Aluminum Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	35.59	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-5.25*	
10 26 16 13-0007		Stainless Steel Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	62.49	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-6.60*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	49.04	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-5.92*	
10 26 16 13-0010		Wall Guards *(10 26 16 13)*		
10 26 16 13-0011		Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)* Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	12.64	3.80
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-3.67*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	15.39	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-4.24*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	16.64	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	17.32	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-4.34*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	20.66	4.61
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-4.72*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	20.77	4.61
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-4.73*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	21.37	4.61
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-4.76*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	25.69	4.88
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 200, Deduct	*-3.42*	
		For >200, Deduct	*-5.19*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	16.94	3.80
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-3.88*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	24.82	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-4.71*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	36.46	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-5.30*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	51.12	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-6.03*	

10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	39.02	4.61
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-5.64*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	49.18	4.88
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 200, Deduct	*-3.42*	
		For >200, Deduct	*-6.36*	

10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	63.84	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-6.66*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	67.87	4.34
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.04*	
		For >200, Deduct	*-6.87*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	31.11	3.80
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-4.59*	

10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	53.95	4.61
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-6.39*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	60.34	4.61
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.23*	
		For >200, Deduct	*-6.71*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	14.84	3.80
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-3.78*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	14.86	3.80
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-3.78*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	21.06	3.80
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 200, Deduct	*-2.66*	
		For >200, Deduct	*-4.09*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	29.34	8.13
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-5.69*	
		For >200, Deduct	*-7.98*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	25.61	8.13
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-7.79*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	40.55	8.13
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-5.69*	
		For >200, Deduct	*-8.54*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	33.08	8.13
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-8.16*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	42.42	8.13
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-5.69*	
		For >200, Deduct	*-8.63*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	46.15	8.13
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-8.82*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	55.49	8.13
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-5.69*	
		For >200, Deduct	*-9.28*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	61.10	8.13
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-9.56*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	74.17	8.13
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-5.69*	
		For >200, Deduct	*-10.22*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	76.04	8.13
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-10.31*	

10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	29.72	6.05
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 200, Deduct	*-4.24*	
		For >200, Deduct	*-6.33*	
		For Maple, Add	*0.53*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	35.54	6.46
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 200, Deduct	*-4.52*	
		For >200, Deduct	*-6.94*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	25.95	6.05
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 200, Deduct	*-4.24*	
		For >200, Deduct	*-6.14*	
		For Maple, Add	*5.95*	
		For Oak, Add	*6.64*	

10 26 23 Protective Wall Covering *(10 26)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13			**Impact Resistant Wall Protection** *(10 26 23)*		
10 26 23 13-0001			Impact Resistant Wall Protection *(10 26 23 13)*		
			Note: Includes standard trim.		
	10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	8.11	2.71
	10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	8.43	2.71
	10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	10.32	2.71
10 26 23 13-0005			Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006			"L" Design *(10 26 23 13-0005)*		
10 26 23 13-0007			L-Shield *(10 26 23 13-0006)*		
	10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	16.41	2.71
	10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	18.84	3.80
	10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	24.77	4.88
	10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	34.16	5.97
10 26 23 13-0012			"Combo" Hanger *(10 26 23 13-0006)*		
	10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	17.55	5.43
	10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	20.25	6.51
	10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	23.36	7.59
	10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	25.93	8.68
	10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	29.04	9.77
10 26 23 13-0018			Snap-2 Pipe Hanger *(10 26 23 13-0006)*		
	10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	14.33	5.43
	10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	17.44	6.51
	10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	20.28	7.59
	10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	23.66	8.68
	10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	27.16	9.77
10 26 23 13-0024			Coupling *(10 26 23 13-0006)*		
	10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	9.58	2.71
	10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	13.89	3.80
	10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	20.08	4.88
	10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	25.19	5.97
10 26 23 13-0029			Coupling, Reducer *(10 26 23 13-0006)*		
	10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	27.94	3.25
	10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	34.38	3.80
	10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	40.83	4.34
	10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	161.94	5.43
10 26 23 13-0034			Shield Clips *(10 26 23 13-0006)*		
	10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	5.79	1.63
	10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	8.64	2.71
	10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	11.34	3.80
	10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	12.72	4.88
10 26 23 13-0039			Wall Flange *(10 26 23 13-0006)*		
	10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	9.31	2.71
	10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	13.35	3.80
	10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	19.55	4.88
	10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	83.80	5.97
10 26 23 13-0044			End Cap *(10 26 23 13-0006)*		
	10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	9.81	1.63
	10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	12.93	2.71
	10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	17.90	3.80
	10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	85.58	4.88
10 26 23 13-0049			Inside/Outside Corner *(10 26 23 13-0006)*		
	10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	62.15	5.43
	10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	66.87	6.51
	10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	80.71	8.14
	10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	142.09	9.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	12.76	1.63
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	19.90	2.71
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	24.73	3.80
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	31.60	3.80
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	15.00	5.43
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	17.84	6.51
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	20.55	7.59
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	25.53	8.68
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	28.91	9.77
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	14.06	5.43
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	17.17	6.51
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	20.95	7.59
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	23.39	8.68
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	27.03	9.77
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	11.46	2.71
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	14.29	3.80
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	17.40	4.88
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	33.30	3.25
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	39.74	3.80
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	42.17	4.34
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	5.26	1.63
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	7.71	2.71
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	10.13	3.80
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	11.06	2.71
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	14.15	3.80
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	17.27	4.88
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	10.48	1.63
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	14.00	2.71
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	17.37	3.80
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	78.36	5.43
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	87.09	6.51
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	102.94	8.14
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	76.88	5.43
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	84.41	6.51
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	100.40	8.14
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	97.05	8.14
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	107.80	9.77
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	125.80	11.93
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	128.27	9.23
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	138.11	11.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	176.41	10.85
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	197.49	13.02
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	239.90	16.28
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	242.47	11.93
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	266.38	14.64
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	29.81	2.71
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	33.58	3.80
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	41.78	4.88
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	33.70	3.25
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	41.90	4.34
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	169.57	5.43
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	103.81	5.43
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	112.41	6.51
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	131.74	8.14
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	161.95	5.97
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	114.26	5.97
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	170.83	7.59
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	132.12	7.59
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	205.42	8.68
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	118.61	8.14
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	137.13	9.77
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	159.42	11.93
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	125.19	9.23
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	197.43	10.30
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	139.31	11.39
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	190.53	13.57
10 26 23 13-0138		**Fittings (L Or U)** *(10 26 23 13-0005)*		
10 26 23 13-0139		**Hugger Hangers For Steel Pipe** *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	11.49	4.34
10 26 23 13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	14.33	5.43
10 26 23 13-0142	EA	Hugger Hanger, For 1" Steel Pipe	16.77	6.51
10 26 23 13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	19.34	7.59
10 26 23 13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	21.78	8.68
10 26 23 13-0145	EA	Hugger Hanger, For 2" Steel Pipe	24.49	8.68
10 26 23 13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	26.92	10.85
10 26 23 13-0147	EA	Hugger Hanger, For 3" Steel Pipe	34.05	11.93
10 26 23 13-0148		**Hugger Hangers For Copper Pipe** *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Copper Pipe, Hugger Hanger	11.63	4.34
10 26 23 13-0150	EA	3/4" Copper Pipe, Hugger Hanger	14.47	5.43
10 26 23 13-0151	EA	1" Copper Pipe, Hugger Hanger	16.90	6.51
10 26 23 13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger	19.48	7.59
10 26 23 13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger	21.91	8.68
10 26 23 13-0154	EA	2" Copper Pipe, Hugger Hanger	24.75	9.77
10 26 23 13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger	27.19	10.85
10 26 23 13-0156	EA	3" Copper Pipe, Hugger Hanger	34.45	11.93
10 26 23 13-0157		**Shield Extension (L Or U)** *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	15.57	1.63
10 26 23 13-0159		**Interior Steel Soffit System** *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	29.23	4.88
		For 22 Gauge Steel, Add	*1.95*	
		For 20 Gauge Steel, Add	*4.16*	
		For 18 Gauge Steel, Add	*8.17*	
		For 16 Gauge Steel, Add	*12.55*	
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	44.86	13.57
		For Stainless Steel, Add	*4.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	116.40	16.28
		For Stainless Steel, Add	*20.69*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	35.20	8.14
		For Stainless Steel, Add	*4.73*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	7.27	3.25
		For Stainless Steel, Add	*0.19*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	33.38	4.88
		For 22 Gauge Steel, Add	*1.77*	
		For 20 Gauge Steel, Add	*3.78*	
		For 18 Gauge Steel, Add	*7.32*	
		For 16 Gauge Steel, Add	*12.28*	
		For Stainless Steel, Add	*5.90*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	44.86	13.57
		For Stainless Steel, Add	*4.44*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	116.40	16.28
		For Stainless Steel, Add	*20.69*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	30.85	5.97
		For Stainless Steel, Add	*4.73*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	7.27	3.25
		For Stainless Steel, Add	*0.19*	

10 26 41 Bullet Resistant Panels *(10 26)*

10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	21.56	1.54
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	29.67	1.64
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	33.58	1.75
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	35.71	1.86
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	38.69	1.97
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	41.66	2.07
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	70.99	2.51
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	102.03	3.93
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	121.44	4.70
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	146.42	5.13
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	166.66	5.47

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	109.30	24.40
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	116.93	24.40
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	118.06	24.40
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	120.25	24.40
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	180.54	24.40
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	194.50	24.40
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	213.46	24.40
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	221.71	10.84
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	371.19	24.40
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	439.22	24.40
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	472.69	24.40
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	268.99	24.40
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	153.28	13.56

10 28 13 13-0018 Plastic Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	83.29	24.40
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	170.93	24.40
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	169.75	24.40
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	144.55	24.40

10 28 13 13-0023 Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	90.93	24.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0025		**Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0026		**Plastic Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	83.01	24.40
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	115.72	24.40
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	71.93	24.40
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	84.94	24.40
10 28 13 13-0031		**Cast Aluminum Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	75.10	24.40
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	75.66	24.40
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	79.62	24.40
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	86.97	24.40
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	114.10	24.40
10 28 13 13-0037		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	64.07	24.40
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	180.84	24.40
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	105.77	24.40
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	100.82	24.40
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	109.44	24.40
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	143.67	27.11
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	109.44	24.40
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	143.67	24.40
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	154.67	24.40
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	240.99	24.40
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	240.99	24.40
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	101.00	24.40
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	118.34	24.40
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	74.52	24.40
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	127.11	24.40
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	178.95	24.40
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	187.33	24.40
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	237.20	24.40
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	219.20	24.40
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	339.20	24.40
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	146.34	24.40
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	135.28	24.40
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	109.05	24.40
10 28 13 13-0061	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 9030)	184.81	24.40
10 28 13 13-0062	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0030)	133.78	24.40
10 28 13 13-0063	EA	Twin, Hide-A-Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 20030)	183.39	24.40
10 28 13 13-0064	EA	Twin, 9" Jumbo Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0040)	199.26	24.40
10 28 13 13-0065		**Soap or Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0066	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	99.41	24.40
		For 34 Fluid Ounce (B-822), Add	*4.69*	
10 28 13 13-0067	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	107.89	24.40
		For 34 Fluid Ounce (B-822), Add	*4.69*	
10 28 13 13-0068	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	67.18	24.40
10 28 13 13-0069	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	73.11	24.40
10 28 13 13-0070	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	88.30	24.40
10 28 13 13-0071	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	90.75	24.40
10 28 13 13-0072	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	101.10	24.40
10 28 13 13-0073	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	127.96	24.40
10 28 13 13-0074	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	218.25	24.40
10 28 13 13-0075	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	348.57	24.40
10 28 13 13-0076	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	215.79	24.40
10 28 13 13-0077		**Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0078		**Manual Sanitizer Dispensers** *(10 28 13 13-0077)*		
10 28 13 13-0079	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	77.54	24.40
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	78.75	24.40
10 28 13 13-0081	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	78.37	24.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0082		**Automatic Sanitizer Dispensers** *(10 28 13 13-0077)*		
10 28 13 13-0083	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	72.38	24.40
10 28 13 13-0084	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	94.99	24.40
10 28 13 13-0085	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	89.35	24.40
10 28 13 13-0086	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	96.26	24.40
10 28 13 13-0087	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	111.23	24.40
10 28 13 13-0088	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	111.94	24.40
10 28 13 13-0089		**Automatic Floor Stand Sanitizer Dispensers** *(10 28 13 13-0077)*		
10 28 13 13-0090	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	572.78	8.13
10 28 13 13-0091	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	616.07	8.13
10 28 13 13-0092	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	640.27	8.13
10 28 13 13-0093		**Facial Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	114.68	24.40
10 28 13 13-0095	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	80.50	24.40
10 28 13 13-0096		**Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0097	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	66.04	24.40
10 28 13 13-0098	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	88.38	24.40
10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	158.78	24.40
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	166.52	24.40
10 28 13 13-0101	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	330.20	24.40
10 28 13 13-0102		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	528.12	24.40
10 28 13 13-0104	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	320.51	24.40
10 28 13 13-0105		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0106	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	652.39	24.40
10 28 13 13-0107	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	495.76	24.40
10 28 13 13-0108	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	661.01	24.40
10 28 13 13-0109	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	499.54	24.40
10 28 13 13-0110	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	438.97	24.40
10 28 13 13-0111	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	561.97	24.40
10 28 13 13-0112		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0113	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	457.98	54.23
10 28 13 13-0114	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	511.87	54.23
10 28 13 13-0115	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	423.73	54.23
10 28 13 13-0116	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	598.39	54.23
10 28 13 13-0117	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	615.06	54.23
10 28 13 13-0118	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	708.08	54.23
10 28 13 13-0119	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	663.59	54.23
10 28 13 13-0120		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0121		**Wall Mounted Waste Receptacles** *(10 28 13 13-0120)*		
10 28 13 13-0122	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	101.06	24.40
10 28 13 13-0123	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	168.95	24.40
10 28 13 13-0124	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	390.60	54.23
10 28 13 13-0125	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	581.71	54.23
10 28 13 13-0126	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	459.86	54.23
10 28 13 13-0127		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0120)*		
10 28 13 13-0128	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	119.62	24.40
10 28 13 13-0129	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	172.06	24.40
10 28 13 13-0130	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	330.29	10.84
10 28 13 13-0131	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	500.49	10.84
10 28 13 13-0132	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	468.77	10.84
10 28 13 13-0133	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	450.73	10.84

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0134		Combination Paper Towel Dispenser/ Waste Receptacle *(10 28 13 13-0120)*			
10 28 13 13-0135	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)		322.75	54.23
10 28 13 13-0136	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)		521.49	54.23
10 28 13 13-0137	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)		513.58	54.23
10 28 13 13-0138	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)		748.37	54.23
10 28 13 13-0139	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)		1,031.84	54.23
10 28 13 13-0140	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)		871.49	54.23
10 28 13 13-0141	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)		670.79	54.23
10 28 13 13-0142	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)		1,089.17	54.23
10 28 13 13-0143	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)		1,006.45	59.65
10 28 13 13-0144	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)		675.11	59.65
10 28 13 13-0145		Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0120)*			
10 28 13 13-0146	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)		92.96	27.11
10 28 13 13-0147	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)		186.21	27.11
10 28 13 13-0148	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)		202.65	27.11
10 28 13 13-0149	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)		474.62	27.11
10 28 13 13-0150	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)		251.27	27.11
10 28 13 13-0151	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)		440.98	27.11
10 28 13 13-0152		Grab Bars *(10 28 13 13-0001)*			
10 28 13 13-0153		1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0152)*			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0154	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)		92.91	21.69
		For Peened Grip, Add		*4.95*	
10 28 13 13-0155	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)		106.96	21.69
		For Peened Grip, Add		*6.21*	
10 28 13 13-0156	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)		108.37	21.69
		For Peened Grip, Add		*6.34*	
10 28 13 13-0157	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)		109.03	21.69
		For Peened Grip, Add		*6.40*	
10 28 13 13-0158	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)		109.21	21.69
		For Peened Grip, Add		*6.41*	
10 28 13 13-0159	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)		112.61	21.69
		For Peened Grip, Add		*6.72*	
10 28 13 13-0160	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)		117.97	21.69
		For Peened Grip, Add		*7.20*	
10 28 13 13-0161	EA	36" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641275)		125.19	24.31
10 28 13 13-0162	EA	42" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641277)		128.03	24.31
10 28 13 13-0163		1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0152)*			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0164	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)		179.95	21.69
		For Peened Grip, Add		*12.29*	
10 28 13 13-0165	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)		183.61	21.69
		For Peened Grip, Add		*12.62*	
10 28 13 13-0166		1-1/2" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0152)*			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0167	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)		105.78	21.69
		For Peened Grip, Add		*6.10*	
10 28 13 13-0168	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)		106.96	21.69
		For Peened Grip, Add		*6.21*	
10 28 13 13-0169	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)		109.21	21.69
		For Peened Grip, Add		*6.41*	
10 28 13 13-0170	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)		111.48	21.69
		For Peened Grip, Add		*6.62*	
10 28 13 13-0171	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)		114.30	21.69
		For Peened Grip, Add		*6.87*	
10 28 13 13-0172	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)		116.85	21.69
		For Peened Grip, Add		*7.10*	
10 28 13 13-0173	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)		123.07	21.69
		For Peened Grip, Add		*7.66*	

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10 28 13 13-0174	EA	36" Length, 1-1/2" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641279)	128.74	24.31
10 28 13 13-0175		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0152)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0176	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	164.67	21.69
		For Peened Grip, Add	*10.92*	
10 28 13 13-0177	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	176.84	21.69
		For Peened Grip, Add	*12.01*	
10 28 13 13-0178	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	153.93	21.69
		For Peened Grip, Add	*9.95*	
10 28 13 13-0179		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0152)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0180	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	480.13	21.69
		For Peened Grip, Add	*39.80*	
10 28 13 13-0181		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0182	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	121.45	24.40
10 28 13 13-0183	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	124.85	24.40
10 28 13 13-0184	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	140.40	24.40
10 28 13 13-0185	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	144.31	24.40
10 28 13 13-0186	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	138.15	24.40
10 28 13 13-0187	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	139.99	24.40
10 28 13 13-0188	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	149.16	24.40
10 28 13 13-0189	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	162.44	24.40
10 28 13 13-0190	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	190.52	24.40
10 28 13 13-0191	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	149.44	24.40
10 28 13 13-0192	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	152.27	24.40
10 28 13 13-0193	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	215.79	24.40
10 28 13 13-0194	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	230.38	24.40
10 28 13 13-0195	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	252.90	24.40
10 28 13 13-0196	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	314.17	24.40
10 28 13 13-0197	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	425.78	24.40
10 28 13 13-0198	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	183.61	24.40
10 28 13 13-0199		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0200	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	453.09	32.54
10 28 13 13-0201	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	480.39	32.54
10 28 13 13-0202	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	395.86	32.54
10 28 13 13-0203	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,932.19	32.54
10 28 13 13-0204	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,261.09	32.54
10 28 13 13-0205	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,932.19	32.54
10 28 13 13-0206	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,261.09	32.54
10 28 13 13-0207		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0208	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	567.81	43.38
10 28 13 13-0209	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	745.92	43.38
10 28 13 13-0210	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	2,509.05	43.38
10 28 13 13-0211	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,735.32	
10 28 13 13-0212		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0213	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	61.04	24.40
10 28 13 13-0214	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	63.01	24.40
10 28 13 13-0215	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	111.95	24.40
10 28 13 13-0216	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	121.85	24.40
10 28 13 13-0217		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0218	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.04	1.09
10 28 13 13-0219	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)	50.25	10.84
		Note: Requires 7 curtain hooks.		
10 28 13 13-0220	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)	52.66	10.84
		Note: Requires 12 curtain hooks.		
10 28 13 13-0221	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	88.66	24.40
10 28 13 13-0222	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	94.89	24.40
10 28 13 13-0223	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	102.52	24.40
10 28 13 13-0224	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	111.85	24.40
10 28 13 13-0225	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	77.92	24.40
10 28 13 13-0226	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	85.27	24.40
10 28 13 13-0227	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	89.51	24.40
10 28 13 13-0228	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	94.89	24.40
10 28 13 13-0229	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	81.03	24.40

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10 28 13 13-0230	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	87.25	24.40
10 28 13 13-0231	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	94.59	24.40
10 28 13 13-0232	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	99.69	24.40
10 28 13 13-0233		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	539.66	31.21
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	581.20	31.21
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	643.97	31.21
10 28 13 13-0237	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	911.92	31.21
10 28 13 13-0238	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	682.70	31.21
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	758.40	31.21
10 28 13 13-0240	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,816.30	31.21
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,934.01	31.21
10 28 13 13-0242	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	3,059.57	31.21
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	858.85	31.21
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120)	484.57	31.21
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V)	555.59	31.21
10 28 13 13-0246	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA)	656.79	31.21
10 28 13 13-0247	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA)	698.52	31.21
10 28 13 13-0248	EA	Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA)	808.40	31.21
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,752.23	31.21
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	2,950.89	31.21
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,295.52	31.21
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,368.03	31.21
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,409.47	31.21
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,450.91	31.21
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,533.78	31.21
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,046.90	31.21
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,119.42	31.21
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,160.85	31.21
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,202.29	31.21
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	1,285.16	31.21
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	1,046.90	31.21
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	1,119.42	31.21
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	1,160.85	31.21
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	1,202.29	31.21
10 28 13 13-0265	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	1,285.16	31.21
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	756.85	31.21
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	829.37	31.21
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	870.80	31.21
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	912.24	31.21
10 28 13 13-0270	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	995.11	31.21
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	756.85	31.21
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	829.37	31.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	870.80	31.21
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	912.24	31.21
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	995.11	31.21
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	549.67	31.21
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	622.19	31.21
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	705.06	31.21
10 28 13 13-0279		**Hand Dryers (Excel XLERATOR®)** *(10 28 13 13-0001)* Note: With or without noise reduction nozzle options.		
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,075.85	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,515.41	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,262.50	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,578.63	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,357.34	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,673.47	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,357.34	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,673.47	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,262.50	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,578.63	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,136.05	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,452.18	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0292	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,075.85	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0293	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,515.41	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0294	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,262.50	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0295	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,578.63	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0296	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,357.34	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0297	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,673.47	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0298	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,357.34	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0299	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,673.47	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0300	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,262.50	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0301	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,578.63	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0302	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,136.05	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	
10 28 13 13-0303	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,452.18	31.21
		For ADA-Compliant Recess Kit, Add	*172.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0304		**Additional Accessories** *(10 28 13 13-0001)*		
10 28 13 13-0305		**Hooks** *(10 28 13 13-0304)*		
10 28 13 13-0306	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	31.02	10.84
10 28 13 13-0307	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	37.24	10.84
10 28 13 13-0308	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	31.58	10.84
10 28 13 13-0309	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	34.36	10.84
10 28 13 13-0310	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	57.59	10.84
10 28 13 13-0311	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	51.93	10.84
10 28 13 13-0312		**Clotheslines** *(10 28 13 13-0304)*		
10 28 13 13-0313	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	54.22	21.69
10 28 13 13-0314		**Towel Bars** *(10 28 13 13-0304)*		
10 28 13 13-0315	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	66.74	24.40
10 28 13 13-0316	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	66.96	24.40
10 28 13 13-0317	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	75.25	24.40
10 28 13 13-0318	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	76.04	24.40
10 28 13 13-0319	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	112.41	24.40
10 28 13 13-0320	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	117.21	24.40
10 28 13 13-0321	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	116.09	24.40
10 28 13 13-0322	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	120.04	24.40
10 28 13 13-0323	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	127.12	24.40
10 28 13 13-0324	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	131.32	24.40
10 28 13 13-0325	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	96.30	24.40
10 28 13 13-0326	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	99.97	24.40
10 28 13 13-0327		**Towel Bar With Shelf** *(10 28 13 13-0304)*		
10 28 13 13-0328	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	219.84	24.40
10 28 13 13-0329		**Towel Pins** *(10 28 13 13-0304)*		
10 28 13 13-0330	EA	Stainless Steel Towel Pin (Bobrick B-677)	55.62	10.84
10 28 13 13-0331		**Drinking Fountain Grab Bars** *(10 28 13 13)*		
10 28 13 13-0332		**1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0331)* Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0333	EA	1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	534.14	71.58
10 28 13 13-0334	EA	1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	595.38	71.58
10 28 13 13-0335	EA	1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	708.67	71.58
10 28 13 13-0336	EA	1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	874.01	71.58
10 28 13 13-0337		**1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0331)* Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0338	EA	1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	561.70	71.58
10 28 13 13-0339	EA	1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	622.94	71.58
10 28 13 13-0340	EA	1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	742.35	71.58
10 28 13 13-0341	EA	1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	904.63	71.58
10 28 13 13-0342		**1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar** *(10 28 13 13-0331)*		
10 28 13 13-0343	EA	33" Height x 18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick B-819298) Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.	518.59	109.46
10 28 13 13-0344	EA	33" Height x 4" To <18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298) Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.	558.11	109.46

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 28 13 13-0345	EA	33" Height x >18" To 26" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298) Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.	580.55	109.46
	10 28 13 13-0346		1-1/2" Diameter, Steel Drinking Fountain Grab Bars *(10 28 13 13-0331)* Note: Includes three wall and one floor concealed mounting with snap flange.		
	10 28 13 13-0347	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High	345.58	71.58
	10 28 13 13-0348		Mirrors *(10 28 13 13)*		
	10 28 13 13-0349		Stainless Steel Channel Frame Glass Mirrors *(10 28 13 13-0348)*		
	10 28 13 13-0350	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	120.63	27.11
	10 28 13 13-0351	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	138.48	27.11
	10 28 13 13-0352	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	144.66	27.11
			For Tempered Glass (B-1658), Add	*51.91*	
	10 28 13 13-0353	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	157.33	27.11
			For Tempered Glass (B-1658), Add	*60.78*	
	10 28 13 13-0354	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	173.59	27.11
	10 28 13 13-0355	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	180.43	27.11
			For Tempered Glass (B-1658), Add	*76.95*	
	10 28 13 13-0356	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	225.30	27.11
	10 28 13 13-0357	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	262.06	27.11
	10 28 13 13-0358	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	318.23	27.11
	10 28 13 13-0359	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	403.53	27.11
	10 28 13 13-0360	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	455.36	27.11
	10 28 13 13-0361		Stainless Steel Channel Frame Glass Mirror/Shelf Combination *(10 28 13 13-0348)*		
	10 28 13 13-0362	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	233.76	27.11
	10 28 13 13-0363	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	252.95	27.11
	10 28 13 13-0364	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	265.64	27.11
	10 28 13 13-0365	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	301.41	27.11
	10 28 13 13-0366		Stainless Steel Angle Frame Glass Mirrors *(10 28 13 13-0348)*		
	10 28 13 13-0367	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	206.73	27.11
	10 28 13 13-0368	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	227.91	27.11
			For Tempered Glass (B-2908), Add	*103.89*	
	10 28 13 13-0369	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	235.06	27.11
			For Tempered Glass (B-2908), Add	*108.61*	
	10 28 13 13-0370	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	277.34	27.11
	10 28 13 13-0371	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	278.97	27.11
			For Tempered Glass (B-2908), Add	*137.59*	
	10 28 13 13-0372	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	376.86	27.11
	10 28 13 13-0373	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	445.15	27.11
	10 28 13 13-0374	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	508.91	27.11
	10 28 13 13-0375	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	335.30	27.11
	10 28 13 13-0376	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	411.30	27.11
	10 28 13 13-0377	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	636.10	27.11
	10 28 13 13-0378		Stainless Steel Angle Frame Glass Mirror/Shelf Combination *(10 28 13 13-0348)*		
	10 28 13 13-0379	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	214.14	27.11
	10 28 13 13-0380	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	433.77	27.11
	10 28 13 13-0381	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	455.25	27.11
	10 28 13 13-0382	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	508.91	27.11
	10 28 13 13-0383		Frameless Stainless Steel Mirrors *(10 28 13 13-0348)*		
	10 28 13 13-0384	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	233.11	27.11
	10 28 13 13-0385	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	304.97	27.11
	10 28 13 13-0386		Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors *(10 28 13 13-0348)*		
	10 28 13 13-0387	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	321.25	27.11
	10 28 13 13-0388	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	335.24	27.11
	10 28 13 13-0389	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	408.41	27.11
	10 28 13 13-0390	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	505.00	27.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0391		Medicine Cabinets *(10 28 13 13)*		
10 28 13 13-0392		Metal Medicine Cabinets *(10 28 13 13-0391)*		
10 28 13 13-0393	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	980.08	54.23
10 28 13 13-0394	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	251.37	54.23
10 28 13 13-0395	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	259.42	54.23
10 28 13 13-0396	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	566.16	54.23
10 28 13 13-0397	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	776.78	54.23
10 28 13 13-0398		Janitorial Material *(10 28 13 13)*		
10 28 13 13-0399	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	51.93	10.84
10 28 13 13-0400	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	135.31	24.40
10 28 13 13-0401	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	130.23	24.40
10 28 13 13-0402	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	148.13	24.40
10 28 13 13-0403	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	165.84	24.40
10 28 13 13-0404	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	110.35	24.40
10 28 13 13-0405	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	308.89	24.40
10 28 13 13-0406	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	445.45	24.40
10 28 13 13-0407		Removal And Reinstallation Of Bathroom Accessories *(10 28 13 13)*		
10 28 13 13-0408	EA	Removal And Reinstallation Of Bathroom Accessory	33.90	
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		Ligature Resistant, Toilet Accessories *(10 28 13 63)*		
10 28 13 63-0002	EA	Recessed Mounted, White, Enviro-Glaze, Ligature Resistant, Toilet Paper Holder (Whitehall MFG WH1847)	800.79	111.11
10 28 13 63-0003		Ligature Resistant, Mirrors *(10 28 13 63)*		
10 28 13 63-0004	EA	16" Width x 26" Height, Framed, Ligature Resistant, Solid Surface Infused Mirror (Whitehall WH1815-OCC11)	564.37	24.31
10 28 13 63-0005		Ligature Resistant, Stainless Steel Grab Bar *(10 28 13 63)*		
10 28 13 63-0006	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	200.78	21.69
10 28 13 63-0007	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	209.84	21.69
10 28 13 63-0008	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	215.86	21.69
10 28 13 63-0009	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	238.96	21.69
10 28 13 63-0010	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	485.41	21.69
10 28 13 63-0011	EA	36" Length, 1-1/2" Diameter, Ligature Resistant, Satin Finish, Stainless Steel Grab Bar with Closure Plate (Whitehall WH1109-4)	429.95	24.31
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Residential Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Residential Shower Curtain Rod *(10 28 16 13-0001)* Note: Includes end brackets. See CSI section 10 28 13 13-0217 for shower curtain rods.		
10 28 16 13-0003		Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0004	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	139.32	24.40
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish	216.52	24.40
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	232.21	24.40
10 28 16 13-0007	EA	Recessed Mounted, Chrome Plated Tumbler Holder	145.97	24.40
10 28 16 13-0008		Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Soap Dish	95.24	16.27
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Single Clothes Hook	112.74	16.27
10 28 16 13-0011	EA	Surface Mounted, Chrome Plated Double Clothes Hook	112.74	16.27
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	249.17	16.27
10 28 16 13-0013	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	205.14	16.27
10 28 16 13-0014	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	121.78	21.69
10 28 16 13-0015	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	123.74	21.69
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Towel Ring	90.92	16.27
10 28 16 13-0017	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	84.39	10.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0018	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	95.24	16.27
10 28 16 13-0019	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	212.56	16.27
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	118.78	16.27
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Pin	126.71	10.84
10 28 16 13-0022	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	415.13	16.27
10 28 16 13-0023	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	196.55	16.27
10 28 16 13-0024	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	82.22	16.27
10 28 16 13-0025	EA	Surface Mounted, Chrome, Double Standard Toilet Tissue Holder (Frost 150)	118.82	24.31
10 28 16 13-0026	EA	Surface Mounted, Chrome, Standard Toilet Tissue Holder (Frost 146)	112.79	24.31
10 28 16 13-0027		Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)*		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0028	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	383.90	54.23
10 28 16 13-0029	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	481.08	54.23
10 28 16 13-0030	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	405.40	54.23
10 28 16 13-0031	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	510.41	54.23
10 28 16 13-0032	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	418.96	54.23
10 28 16 13-0033	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	536.18	54.23
10 28 16 13-0034	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	437.58	54.23
10 28 16 13-0035	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	567.67	54.23
10 28 16 13-0036		Residential Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0037	EA	Surface Mounted Plastic Paper Towel Dispenser	121.01	24.40
10 28 16 13-0038	EA	Surface Mounted Plastic Napkin Disposal	105.07	24.40
10 28 16 13-0039	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	110.70	
10 28 16 13-0040	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	127.58	24.40
10 28 16 13-0041	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	121.06	24.40
10 28 16 13-0042	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	148.37	29.83
10 28 16 13-0043	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	79.06	21.69
10 28 16 13-0044	EA	13 Gallon Plastic Waste Door For Countertops	297.04	40.67
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	557.60	57.41
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	586.60	28.71
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	706.92	28.71
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	583.51	28.71
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	624.60	28.71
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	867.08	28.71
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	907.29	28.71
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	945.14	28.71
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	985.35	28.71
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,024.39	28.71
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	943.76	28.71
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	862.37	28.71
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	884.29	28.71
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	907.60	28.71
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	920.61	28.71
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	939.86	28.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	979.39	28.71
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,200.78	28.71
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,275.30	28.71
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,148.89	28.71
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,165.21	28.71
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,316.85	28.71
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	837.90	28.71
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	847.28	28.71
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	868.49	28.71

10 30 Fireplaces and Stoves *(10)*

10 31 Manufactured Fireplaces *(10 30)*

10 31 13 Manufactured Fireplace Chimneys *(10 31)*

See CSI section 23 51 00 00-0000 for chimneys.

10 31 16 Manufactured Fireplace Forms *(10 31)*

10 31 16 00-0001 Prefabricated Fireplaces *(10 31 16)*
Note: Listed by screen width.

10 31 16 00-0002 Radiant Heat Fireplace Inserts *(10 31 16 00-0001)*
Note: Includes insert, screen, grate and vent connection.

10 31 16 00-0003	EA	38" Wide Radiant Heat, Open Front Fireplace Insert	1,572.48	263.11
		For Circulating Heat Fireplace, Add	*57.54*	
10 31 16 00-0004	EA	43" Wide Radiant Heat, Open Front Fireplace Insert	1,670.81	271.25
		For Circulating Heat Fireplace, Add	*62.06*	
10 31 16 00-0005	EA	48" Wide Radiant Heat, Open Front Fireplace Insert	1,800.52	284.82
		For Circulating Heat Fireplace, Add	*67.70*	

10 31 16 00-0006 Radiant Heat Natural Gas Fireplace *(10 31 16 00-0001)*
Note: Includes insert, screen, gas logs and vent connection. Units are remote ready.

10 31 16 00-0007	EA	32" Wide Radiant Heat Natural Gas Fireplace	2,075.91	263.11
		For Circulating Heat Fireplace, Add	*85.23*	
		For Remote Ignition, Add	*77.48*	
10 31 16 00-0008	EA	36" Wide Radiant Heat Natural Gas Fireplace	2,206.88	271.25
		For Circulating Heat Fireplace, Add	*91.54*	
		For Remote Ignition, Add	*83.22*	

10 31 16 00-0009 Vent Free Radiant Heat Natural Gas Fireplace *(10 31 16 00-0001)*
Note: Includes insert, screen, and gas logs. Units are remote ready.

10 31 16 00-0010	EA	26" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,260.99	227.85
		For Circulating Heat Fireplace, Add	*99.29*	
		For Remote Ignition, Add	*90.26*	
10 31 16 00-0011	EA	32" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,523.86	244.13
		For Circulating Heat Fireplace, Add	*111.96*	
		For Remote Ignition, Add	*101.78*	
10 31 16 00-0012	EA	36" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,814.09	271.25
		For Circulating Heat Fireplace, Add	*124.94*	
		For Remote Ignition, Add	*113.58*	
10 31 16 00-0013	EA	42" Wide Vent Free Radiant Heat Natural Gas Fireplace	3,196.73	292.96
		For Circulating Heat Fireplace, Add	*143.60*	
		For Remote Ignition, Add	*130.54*	

10 32 Fireplace Specialties *(10 30)*

10 32 16 Fireplace Inserts *(10 32)*

10 32 16 00-0001 Gas Log Inserts, Vented *(10 32 16)*
Note: Manual controlled.

10 32 16 00-0002	EA	15", 4 Log Set Gas Log Insert	720.94	114.87
10 32 16 00-0003	EA	18", 6 Log Set Gas Log Insert	886.43	114.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 32 16 00-0004	EA	21", 6 Log Set Gas Log Insert	934.75	114.87
10 32 16 00-0005	EA	24", 6 or 7 Log Set Gas Log Insert	983.07	114.87
10 32 16 00-0006	EA	30", 7 or 8 Log Set Gas Log Insert	1,249.97	114.87
10 32 16 00-0007	EA	36", 8 to 11 Log Set Gas Log Insert	1,471.82	114.87

10 32 19 Fireplace Screens *(10 32)*

10 32 19 00-0001 Screens, Mounted *(10 32 19)*

10 32 19 00-0002	EA	Black Powder Coated Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	162.46	
10 32 19 00-0003	EA	Stainless Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	276.52	

10 32 23 Fireplace Doors *(10 32)*

10 32 23 00-0001 Glass Doors, Bi-Fold *(10 32 23)*

Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish.

10 32 23 00-0002	EA	29" To 32" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,240.70	72.91
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0003	EA	32" To 35" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,354.67	72.91
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0004	EA	35" To 38" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,445.84	72.91
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0005	EA	38" To 43" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,555.25	72.91
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	

10 32 23 00-0006 Chimney Dampers / Chimalator *(10 32 23)*

Note: Stainless steel top sealing damper cap.

10 32 23 00-0007	EA	8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap	436.91	21.16
10 32 23 00-0008	EA	8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	454.13	22.51
10 32 23 00-0009	EA	8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	587.25	25.66
10 32 23 00-0010	EA	8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	627.48	25.66
10 32 23 00-0011	EA	10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	666.07	32.19
10 32 23 00-0012	EA	12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap	515.57	32.19
10 32 23 00-0013	EA	12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	645.04	38.61
10 32 23 00-0014	EA	13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	515.57	32.19
10 32 23 00-0015	EA	13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	645.04	38.61
10 32 23 00-0016	EA	13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	816.93	38.61
10 32 23 00-0017	EA	16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	742.17	54.03
10 32 23 00-0018	EA	16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	910.40	54.03
10 32 23 00-0019	EA	18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	774.91	56.84
10 32 23 00-0020	EA	18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	964.98	56.84
10 32 23 00-0021	EA	20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,036.33	59.99
10 32 23 00-0022	EA	20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,115.57	59.99
10 32 23 00-0023	EA	24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,186.65	63.58

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,700.62	35.24
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*59.04*	
		For Swing Key Hook Panel, Add	*158.04*	
		For Non-Locking Weather Housing, Add	*397.12*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,803.92	35.24
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*59.04*	
		For Swing Key Hook Panel, Add	*158.04*	
		For Second Swing Key Hook Panel, Add	*125.04*	
		For Non-Locking Weather Housing, Add	*397.12*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 16		**Emergency Key Cabinets** *(10 41)*		
10 41 16 00-0001		Emergency Key Cabinets (Knox) *(10 41 16)*		
10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	843.20	35.24
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	739.90	35.24
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*60.20*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	992.99	35.24
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*60.20*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,057.56	35.24
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*60.20*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	
10 44		**Fire Protection Specialties** *(10 40)*		
10 44 13		**Fire Protection Cabinets** *(10 44)*		
10 44 13 00-0001		Fire Extinguisher Cabinets *(10 44 13)*		
10 44 13 00-0002		Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0003		Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	390.76	44.47
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	398.69	44.47
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	400.27	44.47
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	449.43	44.47
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	577.88	44.47
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	595.33	44.47
10 44 13 00-0010		Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	369.40	44.47
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	375.52	44.47
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	385.72	44.47
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	403.06	44.47
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	456.71	44.47
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	473.03	44.47
10 44 13 00-0017		Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	524.96	44.47
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	538.73	44.47
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	545.62	44.47
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	592.67	44.47
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	687.49	44.47
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	716.18	44.47
10 44 13 00-0024		Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,573.47	44.47
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,585.37	44.47
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,828.03	44.47
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	493.84	44.47
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	554.10	44.47
10 44 13 00-0031		Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0032		Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	433.57	44.47
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	449.43	44.47
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	451.02	44.47
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	504.94	44.47
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	612.77	44.47
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	630.21	44.47
10 44 13 00-0039		Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	414.89	44.47
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	430.19	44.47
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	439.37	44.47
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	456.71	44.47
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	516.89	44.47
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	531.18	44.47
10 44 13 00-0046		Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	585.36	44.47
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	601.43	44.47
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	608.31	44.47
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	643.89	44.47
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	732.25	44.47
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	751.76	44.47
10 44 13 00-0053		Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,997.32	44.47
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	2,007.30	44.47
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	2,308.71	44.47
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	550.92	44.47
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	608.01	44.47
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	420.89	44.47
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	430.40	44.47
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	506.52	44.47
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	600.08	44.47
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	625.46	44.47
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	511.79	44.47
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	525.06	44.47
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	554.64	44.47
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	612.78	44.47
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	637.27	44.47
10 44 13 00-0073		Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	685.20	44.47
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	707.00	44.47
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	760.94	44.47
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	865.37	44.47
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	897.50	44.47
10 44 13 00-0079		Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,299.30	44.47
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,598.40	44.47

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	516.04	44.47
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	585.81	44.47
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	830.02	44.47
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	39.29	13.56
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	35.03	13.56
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	32.43	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	109.01	27.11
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	231.09	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	254.20	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	346.64	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	473.73	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	554.62	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	134.03	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	138.65	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	184.87	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	335.08	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	339.70	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	133.07	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	139.73	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	188.52	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	332.68	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	337.12	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	694.17	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	706.46	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	716.70	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	726.95	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	739.23	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	771.98	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	782.23	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	750.92	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	770.72	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	773.29	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	781.52	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	792.32	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	822.91	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	853.51	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0124		**Stainless Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	985.82	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,088.26	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,098.12	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,129.64	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,139.49	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,190.71	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,241.94	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	726.95	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	739.23	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	749.45	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	761.74	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	771.98	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	804.73	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	817.01	164.87
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	770.72	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	792.32	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	795.40	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	801.32	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	812.11	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	842.71	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	873.31	164.87
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,046.89	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,159.19	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,169.04	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,200.56	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,210.41	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,261.64	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,312.86	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	739.23	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	749.45	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	761.74	164.87
		For Solid Steel Door, Deduct	*-8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	771.98	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	782.23	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	817.01	164.87
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	827.26	164.87
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	822.91	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	842.71	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	847.85	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	853.51	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	862.51	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	894.91	164.87
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	914.71	164.87
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,129.64	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,456.69	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,539.43	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,559.13	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,578.84	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,661.58	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,764.03	164.87
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	184.92	14.10
		For >5 To 10, Deduct	*-5.63*	
		For >10, Deduct	*-11.26*	
		For Placement In Cabinet, Deduct	*-36.15*	
10 44 16 13-0003	EA	5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	269.55	16.27
		For >5 To 10, Deduct	*-9.31*	
		For >10, Deduct	*-18.61*	
		For Placement In Cabinet, Deduct	*-41.72*	
10 44 16 13-0004	EA	10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	350.61	20.61
		For >5 To 10, Deduct	*-12.11*	
		For >10, Deduct	*-24.22*	
		For Placement In Cabinet, Deduct	*-54.23*	
10 44 16 13-0005	EA	15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	431.75	26.03
		For >5 To 10, Deduct	*-14.81*	
		For >10, Deduct	*-29.62*	
		For Placement In Cabinet, Deduct	*-67.79*	
10 44 16 13-0006	EA	20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	480.13	26.03
		For >5 To 10, Deduct	*-17.23*	
		For >10, Deduct	*-34.46*	
		For Placement In Cabinet, Deduct	*-67.79*	
10 44 16 13-0007	EA	50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,536.65	41.21
		For >5 To 10, Deduct	*-65.99*	
		For >10, Deduct	*-131.97*	
10 44 16 13-0008	EA	100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,007.64	41.21
		For >5 To 10, Deduct	*-139.54*	
		For >10, Deduct	*-279.07*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0010	EA	2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	115.24	14.10
		For >5 To 10, Deduct	*-2.15*	
		For >10, Deduct	*-4.29*	
		For Placement In Cabinet, Deduct	*-36.15*	
10 44 16 13-0011	EA	5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	144.33	16.27
		For >5 To 10, Deduct	*-3.05*	
		For >10, Deduct	*-6.09*	
		For Placement In Cabinet, Deduct	*-41.72*	
10 44 16 13-0012	EA	10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	205.41	20.61
		For >5 To 10, Deduct	*-4.85*	
		For >10, Deduct	*-9.70*	
		For Placement In Cabinet, Deduct	*-54.23*	
10 44 16 13-0013	EA	20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	288.16	26.03
		For >5 To 10, Deduct	*-7.63*	
		For >10, Deduct	*-15.26*	
		For Placement In Cabinet, Deduct	*-67.79*	
10 44 16 13-0014	EA	50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,840.93	41.21
		For >5 To 10, Deduct	*-81.20*	
		For >10, Deduct	*-162.40*	
10 44 16 13-0015	EA	125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,730.37	41.21
		For >5 To 10, Deduct	*-125.67*	
		For >10, Deduct	*-251.35*	
10 44 16 13-0016		Other Portable Fire Extinguishers *(10 44 16 13)*		
10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	208.34	16.27
		For >5 To 10, Deduct	*-6.25*	
		For >10, Deduct	*-12.49*	
		For Placement In Cabinet, Deduct	*-41.72*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	315.84	26.03
		For >5 To 10, Deduct	*-9.01*	
		For >10, Deduct	*-18.03*	
		For Placement In Cabinet, Deduct	*-67.79*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	335.48	26.03
		For >5 To 10, Deduct	*-10.00*	
		For >10, Deduct	*-19.99*	
		For Placement In Cabinet, Deduct	*-67.79*	
10 44 16 13-0020	EA	30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	471.14	26.03
		For >5 To 10, Deduct	*-16.78*	
		For >10, Deduct	*-33.56*	
10 44 16 13-0021		Fire Extinguisher Backboards *(10 44 16 13)*		
10 44 16 13-0022		Fire Extinguisher Backboards *(10 44 16 13-0021)* Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	120.52	18.59
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	163.97	
10 44 16 13-0025		Inspections And Testing *(10 44 16 13)*		
10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	9.00	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	13.24	
10 44 19		**Fire Blankets** *(10 44)*		
10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	527.41	44.47
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	376.76	44.47
10 45		**Photoluminescent Exit Specialties** *(10 40)*		
10 45 00 00-0001		Photoluminescent Illuminated Egress Markings *(10 45)*		
10 45 00 00-0002	LF	1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	9.37	
		For Wall Applied, Add	*0.97*	
10 45 00 00-0003	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	9.92	
		For Wall Applied, Add	*0.97*	
10 45 00 00-0004	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.47	
		For Wall Applied, Add	*0.97*	
10 45 00 00-0005	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	9.92	
		For Wall Applied, Add	*0.97*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 45 00 00-0006	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	11.02	
		For Wall Applied, Add	*0.97*	
10 45 00 00-0007	LF	1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors Note: Peel and stick.	11.71	
		For Wall Applied, Add	*0.97*	
10 45 00 00-0008	EA	1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors Note: Self adhesive, high bond foam backing.	51.10	
10 45 00 00-0009	EA	1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip Note: Self adhesive, high bond foam backing.	50.40	

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*
Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*
Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 48" Single Tier Institutional Or Corridor Locker	278.16	33.62
		For >25 To 50, Deduct	*-10.55*	
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-33.65*	
		For 14 Gauge Doors, Add	*16.87*	
10 51 13 00-0004	EA	12" x 15" x 48" Single Tier Institutional Or Corridor Locker	286.51	33.62
		For >25 To 50, Deduct	*-10.96*	
		For >50 To 100, Deduct	*-22.93*	
		For >100, Deduct	*-34.91*	
		For 14 Gauge Doors, Add	*17.54*	
10 51 13 00-0005	EA	12" x 18" x 48" Single Tier Institutional Or Corridor Locker	294.85	33.62
		For >25 To 50, Deduct	*-11.38*	
		For >50 To 100, Deduct	*-23.77*	
		For >100, Deduct	*-36.16*	
		For 14 Gauge Doors, Add	*18.21*	
10 51 13 00-0006	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	262.89	33.62
		For >25 To 50, Deduct	*-9.78*	
		For >50 To 100, Deduct	*-20.57*	
		For >100, Deduct	*-31.36*	
		For 14 Gauge Doors, Add	*15.65*	
10 51 13 00-0007	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	273.26	33.62
		For >25 To 50, Deduct	*-10.30*	
		For >50 To 100, Deduct	*-21.61*	
		For >100, Deduct	*-32.92*	
		For 14 Gauge Doors, Add	*16.48*	
10 51 13 00-0008	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	287.43	33.62
		For >25 To 50, Deduct	*-11.01*	
		For >50 To 100, Deduct	*-23.03*	
		For >100, Deduct	*-35.04*	
		For 14 Gauge Doors, Add	*17.61*	
10 51 13 00-0009	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	286.57	34.70
		For >25 To 50, Deduct	*-10.86*	
		For >50 To 100, Deduct	*-22.76*	
		For >100, Deduct	*-34.66*	
		For 14 Gauge Doors, Add	*17.37*	
10 51 13 00-0010	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	295.16	34.70
		For >25 To 50, Deduct	*-11.29*	
		For >50 To 100, Deduct	*-23.62*	
		For >100, Deduct	*-35.94*	
		For 14 Gauge Doors, Add	*18.06*	
10 51 13 00-0011	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	303.54	34.70
		For >25 To 50, Deduct	*-11.71*	
		For >50 To 100, Deduct	*-24.45*	
		For >100, Deduct	*-37.20*	
		For 14 Gauge Doors, Add	*18.73*	
10 51 13 00-0012	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	318.00	34.70
		For >25 To 50, Deduct	*-12.43*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-39.37*	
		For 14 Gauge Doors, Add	*19.89*	
10 51 13 00-0013	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	332.31	34.70
		For >25 To 50, Deduct	*-13.15*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-41.52*	
		For 14 Gauge Doors, Add	*21.03*	
10 51 13 00-0014	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	347.47	34.70
		For >25 To 50, Deduct	*-13.90*	
		For >50 To 100, Deduct	*-28.85*	
		For >100, Deduct	*-43.79*	
		For 14 Gauge Doors, Add	*22.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0015	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	361.47	34.70
		For >25 To 50, Deduct	*-14.60*	
		For >50 To 100, Deduct	*-30.25*	
		For >100, Deduct	*-45.89*	
		For 14 Gauge Doors, Add	*23.36*	
10 51 13 00-0016	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	489.37	34.70
		For >25 To 50, Deduct	*-21.00*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-65.08*	
		For 14 Gauge Doors, Add	*33.60*	
10 51 13 00-0017		Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		
		Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	310.76	34.70
		For >25 To 50, Deduct	*-12.07*	
		For >50 To 100, Deduct	*-25.18*	
		For >100, Deduct	*-38.28*	
		For 14 Gauge Doors, Add	*26.55*	
10 51 13 00-0019	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	317.29	34.70
		For >25 To 50, Deduct	*-12.39*	
		For >50 To 100, Deduct	*-25.83*	
		For >100, Deduct	*-39.26*	
		For 14 Gauge Doors, Add	*27.27*	
10 51 13 00-0020	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	323.87	34.70
		For >25 To 50, Deduct	*-12.72*	
		For >50 To 100, Deduct	*-26.49*	
		For >100, Deduct	*-40.25*	
		For 14 Gauge Doors, Add	*27.99*	
10 51 13 00-0021	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	324.93	35.79
		For >25 To 50, Deduct	*-12.67*	
		For >50 To 100, Deduct	*-26.41*	
		For >100, Deduct	*-40.15*	
		For 14 Gauge Doors, Add	*27.87*	
10 51 13 00-0022	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	339.20	35.79
		For >25 To 50, Deduct	*-13.38*	
		For >50 To 100, Deduct	*-27.83*	
		For >100, Deduct	*-42.29*	
		For 14 Gauge Doors, Add	*29.44*	
10 51 13 00-0023	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	347.82	35.79
		For >25 To 50, Deduct	*-13.81*	
		For >50 To 100, Deduct	*-28.70*	
		For >100, Deduct	*-43.58*	
		For 14 Gauge Doors, Add	*30.39*	
10 51 13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	360.18	35.79
		For >25 To 50, Deduct	*-14.43*	
		For >50 To 100, Deduct	*-29.93*	
		For >100, Deduct	*-45.44*	
		For 14 Gauge Doors, Add	*31.74*	
10 51 13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	372.58	35.79
		For >25 To 50, Deduct	*-15.05*	
		For >50 To 100, Deduct	*-31.17*	
		For >100, Deduct	*-47.30*	
		For 14 Gauge Doors, Add	*33.11*	
10 51 13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	428.72	35.79
		For >25 To 50, Deduct	*-17.86*	
		For >50 To 100, Deduct	*-36.79*	
		For >100, Deduct	*-55.72*	
		For 14 Gauge Doors, Add	*39.28*	
10 51 13 00-0027	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	438.92	35.79
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-37.81*	
		For >100, Deduct	*-57.25*	
		For 14 Gauge Doors, Add	*40.41*	
10 51 13 00-0028		Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0029	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	364.99	36.88
		For >25 To 50, Deduct	*-14.56*	
		For >50 To 100, Deduct	*-30.23*	
		For >100, Deduct	*-45.90*	
		For 14 Gauge Doors, Add	*43.69*	
10 51 13 00-0030	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	371.70	36.88
		For >25 To 50, Deduct	*-14.90*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-46.91*	
		For 14 Gauge Doors, Add	*44.69*	
10 51 13 00-0031	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	395.53	36.88
		For >25 To 50, Deduct	*-16.09*	
		For >50 To 100, Deduct	*-33.28*	
		For >100, Deduct	*-50.48*	
		For 14 Gauge Doors, Add	*48.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0032	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	418.35	36.88
		For >25 To 50, Deduct	*-17.23*	
		For >50 To 100, Deduct	*-35.57*	
		For >100, Deduct	*-53.90*	
		For 14 Gauge Doors, Add	*51.69*	
10 51 13 00-0033	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	436.52	36.88
		For >25 To 50, Deduct	*-18.14*	
		For >50 To 100, Deduct	*-37.38*	
		For >100, Deduct	*-56.63*	
		For 14 Gauge Doors, Add	*54.42*	
10 51 13 00-0034		**Four Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0035	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	358.20	37.96
		For >25 To 50, Deduct	*-14.11*	
		For >50 To 100, Deduct	*-29.37*	
		For >100, Deduct	*-44.62*	
10 51 13 00-0036	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	369.90	37.96
		For >25 To 50, Deduct	*-14.70*	
		For >50 To 100, Deduct	*-30.54*	
		For >100, Deduct	*-46.37*	
10 51 13 00-0037	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	388.72	37.96
		For >25 To 50, Deduct	*-15.64*	
		For >50 To 100, Deduct	*-32.42*	
		For >100, Deduct	*-49.20*	
10 51 13 00-0038	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	403.79	37.96
		For >25 To 50, Deduct	*-16.39*	
		For >50 To 100, Deduct	*-33.93*	
		For >100, Deduct	*-51.46*	
10 51 13 00-0039	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	425.48	37.96
		For >25 To 50, Deduct	*-17.48*	
		For >50 To 100, Deduct	*-36.09*	
		For >100, Deduct	*-54.71*	
10 51 13 00-0040		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0041	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	389.81	39.04
		For >25 To 50, Deduct	*-15.59*	
		For >50 To 100, Deduct	*-32.34*	
		For >100, Deduct	*-49.10*	
10 51 13 00-0042	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	398.83	39.04
		For >25 To 50, Deduct	*-16.04*	
		For >50 To 100, Deduct	*-33.25*	
		For >100, Deduct	*-50.45*	
10 51 13 00-0043	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	415.87	39.04
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-34.95*	
		For >100, Deduct	*-53.01*	
10 51 13 00-0044		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		
10 51 13 00-0045	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	722.91	26.03
10 51 13 00-0046	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,155.40	54.23
10 51 13 00-0047		**Athletic Lockers** *(10 51 13)*		
		Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0048		**Single Tier Athletic Locker** *(10 51 13 00-0047)*		
		Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA	12" x 15" x 60" Single Tier Athletic Locker	395.00	34.70
		For >25 To 50, Deduct	*-16.28*	
		For >50 To 100, Deduct	*-33.60*	
		For >100, Deduct	*-50.92*	
10 51 13 00-0050	EA	12" x 18" x 60" Single Tier Athletic Locker	408.75	34.70
		For >25 To 50, Deduct	*-16.97*	
		For >50 To 100, Deduct	*-34.98*	
		For >100, Deduct	*-52.98*	
10 51 13 00-0051	EA	15" x 15" x 60" Single Tier Athletic Locker	417.59	34.70
		For >25 To 50, Deduct	*-17.41*	
		For >50 To 100, Deduct	*-35.86*	
		For >100, Deduct	*-54.31*	
10 51 13 00-0052	EA	15" x 18" x 60" Single Tier Athletic Locker	432.26	34.70
		For >25 To 50, Deduct	*-18.14*	
		For >50 To 100, Deduct	*-37.33*	
		For >100, Deduct	*-56.51*	
10 51 13 00-0053	EA	18" x 18" x 60" Single Tier Athletic Locker	495.59	34.70
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-43.66*	
		For >100, Deduct	*-66.01*	
10 51 13 00-0054	EA	18" x 21" x 60" Single Tier Athletic Locker	545.93	34.70
		For >25 To 50, Deduct	*-23.83*	
		For >50 To 100, Deduct	*-48.69*	
		For >100, Deduct	*-73.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0055	EA	18" x 24" x 60" Single Tier Athletic Locker	580.37	34.70
		For >25 To 50, Deduct	*-25.55*	
		For >50 To 100, Deduct	*-52.14*	
		For >100, Deduct	*-78.73*	
10 51 13 00-0056	EA	12" x 15" x 72" Single Tier Athletic Locker	410.26	34.70
		For >25 To 50, Deduct	*-17.04*	
		For >50 To 100, Deduct	*-35.13*	
		For >100, Deduct	*-53.21*	
10 51 13 00-0057	EA	12" x 18" x 72" Single Tier Athletic Locker	435.03	34.70
		For >25 To 50, Deduct	*-18.28*	
		For >50 To 100, Deduct	*-37.60*	
		For >100, Deduct	*-56.93*	
10 51 13 00-0058	EA	15" x 15" x 72" Single Tier Athletic Locker	443.73	34.70
		For >25 To 50, Deduct	*-18.72*	
		For >50 To 100, Deduct	*-38.47*	
		For >100, Deduct	*-58.23*	
10 51 13 00-0059	EA	15" x 18" x 72" Single Tier Athletic Locker	459.63	34.70
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-40.06*	
		For >100, Deduct	*-60.62*	
10 51 13 00-0060	EA	18" x 18" x 72" Single Tier Athletic Locker	498.83	34.70
		For >25 To 50, Deduct	*-21.47*	
		For >50 To 100, Deduct	*-43.98*	
		For >100, Deduct	*-66.50*	
10 51 13 00-0061	EA	18" x 21" x 72" Single Tier Athletic Locker	539.92	34.70
		For >25 To 50, Deduct	*-23.53*	
		For >50 To 100, Deduct	*-48.09*	
		For >100, Deduct	*-72.66*	

10 51 13 00-0062 Two Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0063	EA	12" x 12" x 60" Two Tier Athletic Locker	443.09	35.79
		For >25 To 50, Deduct	*-18.58*	
		For >50 To 100, Deduct	*-38.22*	
		For >100, Deduct	*-57.87*	
10 51 13 00-0064	EA	12" x 15" x 60" Two Tier Athletic Locker	457.73	35.79
		For >25 To 50, Deduct	*-19.31*	
		For >50 To 100, Deduct	*-39.69*	
		For >100, Deduct	*-60.07*	
10 51 13 00-0065	EA	12" x 18" x 60" Two Tier Athletic Locker	474.20	35.79
		For >25 To 50, Deduct	*-20.13*	
		For >50 To 100, Deduct	*-41.33*	
		For >100, Deduct	*-62.54*	
10 51 13 00-0066	EA	15" x 15" x 60" Two Tier Athletic Locker	475.81	35.79
		For >25 To 50, Deduct	*-20.21*	
		For >50 To 100, Deduct	*-41.50*	
		For >100, Deduct	*-62.78*	
10 51 13 00-0067	EA	15" x 18" x 60" Two Tier Athletic Locker	479.24	35.79
		For >25 To 50, Deduct	*-20.38*	
		For >50 To 100, Deduct	*-41.84*	
		For >100, Deduct	*-63.30*	
10 51 13 00-0068	EA	18" x 18" x 60" Two Tier Athletic Locker	508.18	35.79
		For >25 To 50, Deduct	*-21.83*	
		For >50 To 100, Deduct	*-44.73*	
		For >100, Deduct	*-67.64*	
10 51 13 00-0069	EA	18" x 21" x 60" Two Tier Athletic Locker	529.39	35.79
		For >25 To 50, Deduct	*-22.89*	
		For >50 To 100, Deduct	*-46.85*	
		For >100, Deduct	*-70.82*	
10 51 13 00-0070	EA	18" x 24" x 60" Two Tier Athletic Locker	624.08	35.79
		For >25 To 50, Deduct	*-27.62*	
		For >50 To 100, Deduct	*-56.32*	
		For >100, Deduct	*-85.02*	
10 51 13 00-0071	EA	12" x 12" x 72" Two Tier Athletic Locker	458.94	35.79
		For >25 To 50, Deduct	*-19.37*	
		For >50 To 100, Deduct	*-39.81*	
		For >100, Deduct	*-60.25*	
10 51 13 00-0072	EA	12" x 15" x 72" Two Tier Athletic Locker	473.93	35.79
		For >25 To 50, Deduct	*-20.12*	
		For >50 To 100, Deduct	*-41.31*	
		For >100, Deduct	*-62.50*	
10 51 13 00-0073	EA	12" x 18" x 72" Two Tier Athletic Locker	494.36	35.79
		For >25 To 50, Deduct	*-21.14*	
		For >50 To 100, Deduct	*-43.35*	
		For >100, Deduct	*-65.56*	
10 51 13 00-0074	EA	15" x 15" x 72" Two Tier Athletic Locker	497.46	35.79
		For >25 To 50, Deduct	*-21.29*	
		For >50 To 100, Deduct	*-43.66*	
		For >100, Deduct	*-66.03*	
10 51 13 00-0075	EA	15" x 18" x 72" Two Tier Athletic Locker	514.25	35.79
		For >25 To 50, Deduct	*-22.13*	
		For >50 To 100, Deduct	*-45.34*	
		For >100, Deduct	*-68.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0076	EA	18" x 18" x 72" Two Tier Athletic Locker	534.89	35.79
		For >25 To 50, Deduct	*-23.17*	
		For >50 To 100, Deduct	*-47.40*	
		For >100, Deduct	*-71.64*	
10 51 13 00-0077	EA	18" x 21" x 72" Two Tier Athletic Locker	581.19	35.79
		For >25 To 50, Deduct	*-25.48*	
		For >50 To 100, Deduct	*-52.03*	
		For >100, Deduct	*-78.59*	
10 51 13 00-0078		**Three Tier Athletic Locker** *(10 51 13 00-0047)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0079	EA	12" x 12" x 60" Three Tier Athletic Locker	480.50	36.88
		For >25 To 50, Deduct	*-20.34*	
		For >50 To 100, Deduct	*-41.78*	
		For >100, Deduct	*-63.23*	
10 51 13 00-0080	EA	12" x 15" x 60" Three Tier Athletic Locker	504.22	36.88
		For >25 To 50, Deduct	*-21.52*	
		For >50 To 100, Deduct	*-44.15*	
		For >100, Deduct	*-66.78*	
10 51 13 00-0081	EA	12" x 18" x 60" Three Tier Athletic Locker	525.20	36.88
		For >25 To 50, Deduct	*-22.57*	
		For >50 To 100, Deduct	*-46.25*	
		For >100, Deduct	*-69.93*	
10 51 13 00-0082	EA	15" x 15" x 60" Three Tier Athletic Locker	539.44	36.88
		For >25 To 50, Deduct	*-23.28*	
		For >50 To 100, Deduct	*-47.68*	
		For >100, Deduct	*-72.07*	
10 51 13 00-0083	EA	15" x 18" x 60" Three Tier Athletic Locker	563.16	36.88
		For >25 To 50, Deduct	*-24.47*	
		For >50 To 100, Deduct	*-50.05*	
		For >100, Deduct	*-75.62*	
10 51 13 00-0084	EA	12" x 12" x 72" Three Tier Athletic Locker	507.53	36.88
		For >25 To 50, Deduct	*-21.69*	
		For >50 To 100, Deduct	*-44.48*	
		For >100, Deduct	*-67.28*	
10 51 13 00-0085	EA	12" x 15" x 72" Three Tier Athletic Locker	528.95	36.88
		For >25 To 50, Deduct	*-22.76*	
		For >50 To 100, Deduct	*-46.63*	
		For >100, Deduct	*-70.49*	
10 51 13 00-0086	EA	12" x 18" x 72" Three Tier Athletic Locker	558.51	36.88
		For >25 To 50, Deduct	*-24.24*	
		For >50 To 100, Deduct	*-49.58*	
		For >100, Deduct	*-74.93*	
10 51 13 00-0087	EA	15" x 15" x 72" Three Tier Athletic Locker	573.64	36.88
		For >25 To 50, Deduct	*-24.99*	
		For >50 To 100, Deduct	*-51.10*	
		For >100, Deduct	*-77.20*	
10 51 13 00-0088	EA	15" x 18" x 72" Three Tier Athletic Locker	596.34	36.88
		For >25 To 50, Deduct	*-26.13*	
		For >50 To 100, Deduct	*-53.37*	
		For >100, Deduct	*-80.60*	
10 51 13 00-0089		**Four Tier Athletic Locker** *(10 51 13 00-0047)*		
10 51 13 00-0090	EA	12" x 12" x 60" Four Tier Athletic Locker	442.21	37.96
		For >25 To 50, Deduct	*-18.31*	
		For >50 To 100, Deduct	*-37.77*	
		For >100, Deduct	*-57.22*	
10 51 13 00-0091	EA	12" x 15" x 60" Four Tier Athletic Locker	471.26	37.96
		For >25 To 50, Deduct	*-19.77*	
		For >50 To 100, Deduct	*-40.67*	
		For >100, Deduct	*-61.58*	
10 51 13 00-0092	EA	12" x 18" x 60" Four Tier Athletic Locker	500.32	37.96
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-43.58*	
		For >100, Deduct	*-65.94*	
10 51 13 00-0093	EA	15" x 15" x 60" Four Tier Athletic Locker	512.19	37.96
		For >25 To 50, Deduct	*-21.81*	
		For >50 To 100, Deduct	*-44.77*	
		For >100, Deduct	*-67.72*	
10 51 13 00-0094	EA	15" x 18" x 60" Four Tier Athletic Locker	559.91	37.96
		For >25 To 50, Deduct	*-24.20*	
		For >50 To 100, Deduct	*-49.54*	
		For >100, Deduct	*-74.88*	
10 51 13 00-0095	EA	12" x 12" x 72" Four Tier Athletic Locker	471.77	37.96
		For >25 To 50, Deduct	*-19.79*	
		For >50 To 100, Deduct	*-40.72*	
		For >100, Deduct	*-61.66*	
10 51 13 00-0096	EA	12" x 15" x 72" Four Tier Athletic Locker	501.24	37.96
		For >25 To 50, Deduct	*-21.27*	
		For >50 To 100, Deduct	*-43.67*	
		For >100, Deduct	*-66.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0097	EA	12" x 18" x 72" Four Tier Athletic Locker	530.70	37.96
		For >25 To 50, Deduct	*-22.74*	
		For >50 To 100, Deduct	*-46.62*	
		For >100, Deduct	*-70.49*	
10 51 13 00-0098	EA	15" x 15" x 72" Four Tier Athletic Locker	545.80	37.96
		For >25 To 50, Deduct	*-23.49*	
		For >50 To 100, Deduct	*-48.13*	
		For >100, Deduct	*-72.76*	
10 51 13 00-0099	EA	15" x 18" x 72" Four Tier Athletic Locker	557.12	37.96
		For >25 To 50, Deduct	*-24.06*	
		For >50 To 100, Deduct	*-49.26*	
		For >100, Deduct	*-74.46*	
10 51 13 00-0100		**Six Tier Athletic Locker** *(10 51 13 00-0047)*		
10 51 13 00-0101	EA	12" x 12" x 72" Six Tier Athletic Locker	523.50	39.04
		For >25 To 50, Deduct	*-22.27*	
		For >50 To 100, Deduct	*-45.71*	
		For >100, Deduct	*-69.15*	
10 51 13 00-0102	EA	12" x 15" x 72" Six Tier Athletic Locker	546.14	39.04
		For >25 To 50, Deduct	*-23.40*	
		For >50 To 100, Deduct	*-47.98*	
		For >100, Deduct	*-72.55*	
10 51 13 00-0103	EA	12" x 18" x 72" Six Tier Athletic Locker	568.74	39.04
		For >25 To 50, Deduct	*-24.53*	
		For >50 To 100, Deduct	*-50.24*	
		For >100, Deduct	*-75.94*	
10 51 13 00-0104	EA	12" x 21" x 72" Six Tier Athletic Locker	651.21	39.04
		For >25 To 50, Deduct	*-28.66*	
		For >50 To 100, Deduct	*-58.48*	
		For >100, Deduct	*-88.31*	
10 51 13 00-0105		**Metal Locker Accessories** *(10 51 13)*		
10 51 13 00-0106		**Locker Slope Tops** *(10 51 13 00-0105)*		
10 51 13 00-0107		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0106)*		
10 51 13 00-0108	LF	12" Deep, 16 Gauge Continuous Slope Top	32.82	4.34
10 51 13 00-0109	LF	15" Deep, 16 Gauge Continuous Slope Top	27.66	4.34
10 51 13 00-0110	LF	18" Deep, 16 Gauge Continuous Slope Top	38.09	4.34
10 51 13 00-0111	LF	21" Deep, 16 Gauge Continuous Slope Top	42.10	4.34
10 51 13 00-0112	LF	24" Deep, 16 Gauge Continuous Slope Top	43.98	4.34
10 51 13 00-0113		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0106)*		
10 51 13 00-0114	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	136.32	4.34
10 51 13 00-0115	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	139.24	4.34
10 51 13 00-0116	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	142.15	4.34
10 51 13 00-0117	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	145.68	4.34
10 51 13 00-0118	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	149.17	4.34
10 51 13 00-0119		**20 Gauge Individual Slope Top** *(10 51 13 00-0106)*		
10 51 13 00-0120	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	28.17	4.34
10 51 13 00-0121	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	27.98	4.34
10 51 13 00-0122	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	31.15	4.34
10 51 13 00-0123	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	31.15	4.34
10 51 13 00-0124	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	31.91	4.34
10 51 13 00-0125	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	34.91	4.34
10 51 13 00-0126	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	34.91	4.34
10 51 13 00-0127	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	38.85	4.34
10 51 13 00-0128	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	43.55	4.34
10 51 13 00-0129		**Continuous Slope Top End Closures** *(10 51 13 00-0106)*		
10 51 13 00-0130	PR	12" Deep, Continuous Slope Top End Closures	30.04	4.34
10 51 13 00-0131	PR	15" Deep, Continuous Slope Top End Closures	25.51	4.34
10 51 13 00-0132	PR	18" Deep, Continuous Slope Top End Closures	33.78	4.34
10 51 13 00-0133	PR	21" Deep, Continuous Slope Top End Closures	35.66	4.34
10 51 13 00-0134	PR	24" Deep, Continuous Slope Top End Closures	36.95	4.34
10 51 13 00-0135		**Individual Slope Top End Closures** *(10 51 13 00-0106)*		
10 51 13 00-0136	EA	12" Deep, Individual Slope Top End Closures	19.36	4.34
10 51 13 00-0137	EA	15" Deep, Individual Slope Top End Closures	19.95	4.34
10 51 13 00-0138	EA	18" Deep, Individual Slope Top End Closures	21.25	4.34
10 51 13 00-0139	EA	21" Deep, Individual Slope Top End Closures	22.15	4.34
10 51 13 00-0140	EA	24" Deep, Individual Slope Top End Closures	31.40	4.34
10 51 13 00-0141		**Locker Base** *(10 51 13 00-0105)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0142		**Closed Front Base** *(10 51 13 00-0141)*		
10 51 13 00-0143	EA	12" Wide, 6" High Closed Front Base	20.36	4.34
10 51 13 00-0144	EA	15" Wide, 6" High Closed Front Base	21.34	4.34
10 51 13 00-0145	EA	18" Wide, 6" High Closed Front Base	23.38	4.34
10 51 13 00-0146	EA	24" Wide, 6" High Closed Front Base	24.36	4.34
10 51 13 00-0147		**Closed End Base** *(10 51 13 00-0141)*		
10 51 13 00-0148	EA	12" Deep, 6" High Closed End Base	23.08	4.34
10 51 13 00-0149	EA	15" Deep, 6" High Closed End Base	23.25	4.34
10 51 13 00-0150	EA	18" Deep, 6" High Closed End Base	24.57	4.34
10 51 13 00-0151	EA	21" Deep, 6" High Closed End Base	25.87	4.34
10 51 13 00-0152	EA	24" Deep, 6" High Closed End Base	27.64	4.34
10 51 13 00-0153		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0141)*		
10 51 13 00-0154	LF	4" High Recessed Continuous Front "Z" Base	24.27	3.25
10 51 13 00-0155		**"Z" Base Ends Or Splice** *(10 51 13 00-0141)*		
10 51 13 00-0156	EA	12" Wide, 4" High Z-Base Ends Or Splice	24.13	4.34
10 51 13 00-0157	EA	15" Wide, 4" High Z-Base Ends Or Splice	27.98	4.34
10 51 13 00-0158	EA	18" Wide, 4" High Z-Base Ends Or Splice	31.91	4.34
10 51 13 00-0159	EA	21" Wide, 4" High Z-Base Ends Or Splice	36.04	4.34
10 51 13 00-0160	EA	24" Wide, 4" High Z-Base Ends Or Splice	40.16	4.34
10 51 13 00-0161		**Locker Front Fillers And End Panels** *(10 51 13 00-0105)*		
10 51 13 00-0162		**Locker Front Fillers** *(10 51 13 00-0161)*		
10 51 13 00-0163	EA	6" Wide x 48" High, 16 Gauge Front Filler	31.45	5.43
10 51 13 00-0164	EA	12" Wide x 48" High, 16 Gauge Front Filler	51.11	5.43
10 51 13 00-0165	EA	6" Wide x 60" High, 16 Gauge Front Filler	39.52	5.43
10 51 13 00-0166	EA	12" Wide x 60" High, 16 Gauge Front Filler	61.19	5.43
10 51 13 00-0167	EA	6" Wide x 66" High, 16 Gauge Front Filler	43.05	5.43
10 51 13 00-0168	EA	12" Wide x 66" High, 16 Gauge Front Filler	48.41	5.43
10 51 13 00-0169	EA	6" Wide x 72" High, 16 Gauge Front Filler	47.15	5.43
10 51 13 00-0170	EA	12" Wide x 72" High, 16 Gauge Front Filler	67.04	5.43
10 51 13 00-0171	EA	6" Wide x 78" High, 16 Gauge Front Filler	48.28	5.43
10 51 13 00-0172	EA	12" Wide x 78" High, 16 Gauge Front Filler	56.32	5.43
10 51 13 00-0173		**Locker End Panels** *(10 51 13 00-0161)*		
10 51 13 00-0174	EA	12" Deep x 48" High, 16 Gauge End Panel	52.04	4.34
10 51 13 00-0175	EA	15" Deep x 48" High, 16 Gauge End Panel	63.61	4.34
10 51 13 00-0176	EA	18" Deep x 48" High, 16 Gauge End Panel	74.75	4.34
10 51 13 00-0177	EA	12" Deep x 60" High, 16 Gauge End Panel	61.52	4.34
10 51 13 00-0178	EA	15" Deep x 60" High, 16 Gauge End Panel	69.82	4.34
10 51 13 00-0179	EA	18" Deep x 60" High, 16 Gauge End Panel	82.88	4.34
10 51 13 00-0180	EA	12" Deep x 72" High, 16 Gauge End Panel	72.56	4.34
10 51 13 00-0181	EA	15" Deep x 72" High, 16 Gauge End Panel	82.65	4.34
10 51 13 00-0182	EA	18" Deep x 72" High, 16 Gauge End Panel	96.09	4.34
10 51 13 00-0183	EA	21" Deep x 72" High, 16 Gauge End Panel	110.68	4.34
10 51 13 00-0184		**Locker Recessed Trim** *(10 51 13 00-0105)*		
10 51 13 00-0185	LF	3" Height, Top Trim For Recessed Lockers	10.62	2.16
10 51 13 00-0186	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	29.44	4.34
10 51 13 00-0187	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	45.01	4.34
10 51 13 00-0188	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	46.65	4.34
10 51 13 00-0189	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	48.29	4.34
10 51 13 00-0190	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	49.72	4.34
10 51 13 00-0191		**Locker Interior Accessories** *(10 51 13 00-0105)*		
10 51 13 00-0192		**Locker Coat Rods** *(10 51 13 00-0191)*		
10 51 13 00-0193	EA	12" Wide Coat Rod	15.75	4.34
10 51 13 00-0194	EA	15" Wide Coat Rod	17.27	4.34
10 51 13 00-0195	EA	18" Wide Coat Rod	18.63	4.34
10 51 13 00-0196	EA	24" Wide Coat Rod	19.83	4.34
10 51 13 00-0197		**Locker Hat Shelf** *(10 51 13 00-0191)*		
10 51 13 00-0198	EA	12" Wide Hat Shelf	18.96	4.34
10 51 13 00-0199	EA	15" Wide Hat Shelf	22.27	4.34
10 51 13 00-0200	EA	18" Wide Hat Shelf	23.66	4.34
10 51 13 00-0201	EA	24" Wide Hat Shelf	29.17	4.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0202		**Locker ADA Compliant Shelf** *(10 51 13 00-0191)*		
10 51 13 00-0203	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	37.60	5.43
10 51 13 00-0204		**Other Interior Locker Accessories** *(10 51 13 00-0191)*		
10 51 13 00-0205	EA	3" x 10" Bent Plate Shoe Rack	49.85	4.34
10 51 13 00-0206	EA	8" x 10" Mirror	39.56	4.34
10 51 13 00-0207	EA	Additional Hook	11.25	4.34
10 51 13 00-0208		**Locker Locks** *(10 51 13 00-0105)*		
10 51 13 00-0209	EA	Built In Combination Lock	43.40	4.34
10 51 13 00-0210		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0211	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,036.14	81.34
10 51 13 00-0212	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,740.16	81.34
10 51 13 00-0213		**All-Welded Steel Lockers** *(10 51 13)*		
10 51 13 00-0214		**All-Welded Steel Lockers** *(10 51 13 00-0213)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0215		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0214)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0216	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	172.24	18.98
		For >25 To 50, Deduct	*-7.26*	
		For >50 To 100, Deduct	*-14.92*	
		For >100, Deduct	*-22.58*	
10 51 13 00-0217	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	180.80	18.98
		For >25 To 50, Deduct	*-7.68*	
		For >50 To 100, Deduct	*-15.78*	
		For >100, Deduct	*-23.87*	
10 51 13 00-0218	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	189.05	18.98
		For >25 To 50, Deduct	*-8.10*	
		For >50 To 100, Deduct	*-16.60*	
		For >100, Deduct	*-25.10*	
10 51 13 00-0219	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	179.31	18.98
		For >25 To 50, Deduct	*-7.61*	
		For >50 To 100, Deduct	*-15.63*	
		For >100, Deduct	*-23.64*	
10 51 13 00-0220	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	187.56	18.98
		For >25 To 50, Deduct	*-8.02*	
		For >50 To 100, Deduct	*-16.45*	
		For >100, Deduct	*-24.88*	
10 51 13 00-0221	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	195.80	18.98
		For >25 To 50, Deduct	*-8.43*	
		For >50 To 100, Deduct	*-17.28*	
		For >100, Deduct	*-26.12*	
10 51 13 00-0222	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	189.66	20.88
		For >25 To 50, Deduct	*-7.99*	
		For >50 To 100, Deduct	*-16.43*	
		For >100, Deduct	*-24.87*	
10 51 13 00-0223	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	197.29	20.88
		For >25 To 50, Deduct	*-8.37*	
		For >50 To 100, Deduct	*-17.19*	
		For >100, Deduct	*-26.01*	
10 51 13 00-0224	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	205.54	20.88
		For >25 To 50, Deduct	*-8.79*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-27.25*	
10 51 13 00-0225	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	213.25	20.88
		For >25 To 50, Deduct	*-9.17*	
		For >50 To 100, Deduct	*-18.79*	
		For >100, Deduct	*-28.41*	
10 51 13 00-0226	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	219.61	20.88
		For >25 To 50, Deduct	*-9.49*	
		For >50 To 100, Deduct	*-19.43*	
		For >100, Deduct	*-29.36*	
10 51 13 00-0227	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	228.37	20.88
		For >25 To 50, Deduct	*-9.93*	
		For >50 To 100, Deduct	*-20.30*	
		For >100, Deduct	*-30.68*	
10 51 13 00-0228	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	238.23	20.88
		For >25 To 50, Deduct	*-10.42*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-32.15*	

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10 51 13 00-0229	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	386.75	20.88
		For >25 To 50, Deduct	*-17.85*	
		For >50 To 100, Deduct	*-36.14*	
		For >100, Deduct	*-54.43*	
10 51 13 00-0230		**Two Tier, All-Welded Steel Lockers** *(10 51 13 00-0214)*		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0231	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	206.05	18.98
		For >25 To 50, Deduct	*-8.95*	
		For >50 To 100, Deduct	*-18.30*	
		For >100, Deduct	*-27.65*	
10 51 13 00-0232	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	209.83	18.98
		For >25 To 50, Deduct	*-9.14*	
		For >50 To 100, Deduct	*-18.68*	
		For >100, Deduct	*-28.22*	
10 51 13 00-0233	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	219.99	18.98
		For >25 To 50, Deduct	*-9.64*	
		For >50 To 100, Deduct	*-19.69*	
		For >100, Deduct	*-29.75*	
10 51 13 00-0234	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	215.08	20.88
		For >25 To 50, Deduct	*-9.26*	
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-28.68*	
10 51 13 00-0235	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	229.09	20.88
		For >25 To 50, Deduct	*-9.96*	
		For >50 To 100, Deduct	*-20.37*	
		For >100, Deduct	*-30.78*	
10 51 13 00-0236	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	236.72	20.88
		For >25 To 50, Deduct	*-10.34*	
		For >50 To 100, Deduct	*-21.14*	
		For >100, Deduct	*-31.93*	
10 51 13 00-0237	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	247.60	20.88
		For >25 To 50, Deduct	*-10.89*	
		For >50 To 100, Deduct	*-22.22*	
		For >100, Deduct	*-33.56*	
10 51 13 00-0238	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	252.72	20.88
		For >25 To 50, Deduct	*-11.14*	
		For >50 To 100, Deduct	*-22.74*	
		For >100, Deduct	*-34.33*	
10 51 13 00-0239	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	267.48	20.88
		For >25 To 50, Deduct	*-11.88*	
		For >50 To 100, Deduct	*-24.21*	
		For >100, Deduct	*-36.54*	
10 51 13 00-0240	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	278.91	20.88
		For >25 To 50, Deduct	*-12.45*	
		For >50 To 100, Deduct	*-25.36*	
		For >100, Deduct	*-38.26*	
10 51 13 00-0241		**Three Tier, All-Welded Steel Lockers** *(10 51 13 00-0214)*		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0242	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	254.53	20.88
		For >25 To 50, Deduct	*-11.24*	
		For >50 To 100, Deduct	*-22.92*	
		For >100, Deduct	*-34.60*	
10 51 13 00-0243	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	260.27	20.88
		For >25 To 50, Deduct	*-11.52*	
		For >50 To 100, Deduct	*-23.49*	
		For >100, Deduct	*-35.46*	
10 51 13 00-0244	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	265.96	20.88
		For >25 To 50, Deduct	*-11.81*	
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-36.31*	
10 51 13 00-0245	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	279.45	20.88
		For >25 To 50, Deduct	*-12.48*	
		For >50 To 100, Deduct	*-25.41*	
		For >100, Deduct	*-38.34*	
10 51 13 00-0246	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	281.95	20.88
		For >25 To 50, Deduct	*-12.61*	
		For >50 To 100, Deduct	*-25.66*	
		For >100, Deduct	*-38.71*	
10 51 13 00-0247		**Four Tier, All-Welded Steel Lockers** *(10 51 13 00-0214)*		
10 51 13 00-0248	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	240.92	20.88
		For >25 To 50, Deduct	*-10.55*	
		For >50 To 100, Deduct	*-21.56*	
		For >100, Deduct	*-32.56*	
10 51 13 00-0249	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	246.34	20.88
		For >25 To 50, Deduct	*-10.83*	
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-33.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0250	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	251.72	20.88
		For >25 To 50, Deduct	*-11.09*	
		For >50 To 100, Deduct	*-22.64*	
		For >100, Deduct	*-34.18*	
10 51 13 00-0251	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	264.41	20.88
		For >25 To 50, Deduct	*-11.73*	
		For >50 To 100, Deduct	*-23.91*	
		For >100, Deduct	*-36.08*	
10 51 13 00-0252	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	266.72	20.88
		For >25 To 50, Deduct	*-11.84*	
		For >50 To 100, Deduct	*-24.14*	
		For >100, Deduct	*-36.43*	

10 51 13 00-0253 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

10 51 13 00-0254	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	249.35	20.88
		For >25 To 50, Deduct	*-10.98*	
		For >50 To 100, Deduct	*-22.40*	
		For >100, Deduct	*-33.82*	
10 51 13 00-0255	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	257.26	20.88
		For >25 To 50, Deduct	*-11.37*	
		For >50 To 100, Deduct	*-23.19*	
		For >100, Deduct	*-35.01*	
10 51 13 00-0256	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	263.07	20.88
		For >25 To 50, Deduct	*-11.66*	
		For >50 To 100, Deduct	*-23.77*	
		For >100, Deduct	*-35.88*	

10 51 13 00-0257 All Welded Locker Accessories *(10 51 13 00-0213)*

10 51 13 00-0258	EA	ADA Requirements For All Welded Lockers	128.00	
10 51 13 00-0259	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	206.17	4.34
10 51 13 00-0260	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	239.09	4.34
10 51 13 00-0261	EA	Recessed Trim For All Welded Lockers	145.22	4.34
10 51 13 00-0262	EA	Built In Combination Lock For All Welded Lockers	43.40	4.34
10 51 13 00-0263	EA	Pad Lock For All Welded Lockers	39.16	4.34

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	674.84	33.62
		For >50 To 100, Deduct	*-60.76*	
		For >100, Deduct	*-93.16*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	687.03	33.62
		For >50 To 100, Deduct	*-61.98*	
		For >100, Deduct	*-94.99*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	699.22	33.62
		For >50 To 100, Deduct	*-63.20*	
		For >100, Deduct	*-96.81*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	717.50	33.62
		For >50 To 100, Deduct	*-65.03*	
		For >100, Deduct	*-99.56*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	698.17	33.62
		For >50 To 100, Deduct	*-63.09*	
		For >100, Deduct	*-96.66*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	703.30	33.62
		For >50 To 100, Deduct	*-63.61*	
		For >100, Deduct	*-97.43*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	694.28	33.62
		For >50 To 100, Deduct	*-62.70*	
		For >100, Deduct	*-96.07*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	744.61	33.62
		For >50 To 100, Deduct	*-67.74*	
		For >100, Deduct	*-103.62*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	733.00	33.62
		For >50 To 100, Deduct	*-66.58*	
		For >100, Deduct	*-101.88*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	746.54	33.62
		For >50 To 100, Deduct	*-67.93*	
		For >100, Deduct	*-103.91*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	760.08	33.62
		For >50 To 100, Deduct	*-69.28*	
		For >100, Deduct	*-105.94*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	791.06	33.62
		For >50 To 100, Deduct	*-72.38*	
		For >100, Deduct	*-110.59*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	833.64	33.62
		For >50 To 100, Deduct	*-76.64*	
		For >100, Deduct	*-116.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	794.92	33.62
		For >50 To 100, Deduct	*-72.77*	
		For >100, Deduct	*-111.17*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	864.59	33.62
		For >50 To 100, Deduct	*-79.74*	
		For >100, Deduct	*-121.62*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	738.40	33.62
		For >50 To 100, Deduct	*-67.12*	
		For >100, Deduct	*-102.69*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	778.10	33.62
		For >50 To 100, Deduct	*-71.09*	
		For >100, Deduct	*-108.65*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	817.82	33.62
		For >50 To 100, Deduct	*-75.06*	
		For >100, Deduct	*-114.60*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	788.73	33.62
		For >50 To 100, Deduct	*-72.15*	
		For >100, Deduct	*-110.24*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	830.81	33.62
		For >50 To 100, Deduct	*-76.36*	
		For >100, Deduct	*-116.55*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	872.92	33.62
		For >50 To 100, Deduct	*-80.57*	
		For >100, Deduct	*-122.87*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	839.06	33.62
		For >50 To 100, Deduct	*-77.18*	
		For >100, Deduct	*-117.79*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	883.55	33.62
		For >50 To 100, Deduct	*-81.63*	
		For >100, Deduct	*-124.46*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	846.02	34.70
		For >50 To 100, Deduct	*-77.66*	
		For >100, Deduct	*-118.57*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	890.53	34.70
		For >50 To 100, Deduct	*-82.11*	
		For >100, Deduct	*-125.25*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	935.00	34.70
		For >50 To 100, Deduct	*-86.56*	
		For >100, Deduct	*-131.92*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	903.79	34.70
		For >50 To 100, Deduct	*-83.44*	
		For >100, Deduct	*-127.24*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	950.73	34.70
		For >50 To 100, Deduct	*-88.13*	
		For >100, Deduct	*-134.28*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	997.63	34.70
		For >50 To 100, Deduct	*-92.82*	
		For >100, Deduct	*-141.32*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	949.83	34.70
		For >50 To 100, Deduct	*-88.04*	
		For >100, Deduct	*-134.15*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.88	34.70
		For >50 To 100, Deduct	*-94.15*	
		For >100, Deduct	*-143.30*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,060.18	34.70
		For >50 To 100, Deduct	*-99.08*	
		For >100, Deduct	*-150.70*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	758.39	34.70
		For >50 To 100, Deduct	*-68.90*	
		For >100, Deduct	*-105.43*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	770.00	34.70
		For >50 To 100, Deduct	*-70.06*	
		For >100, Deduct	*-107.17*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	787.41	34.70
		For >50 To 100, Deduct	*-71.80*	
		For >100, Deduct	*-109.78*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	781.62	34.70
		For >50 To 100, Deduct	*-71.22*	
		For >100, Deduct	*-108.91*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	812.59	34.70
		For >50 To 100, Deduct	*-74.32*	
		For >100, Deduct	*-113.56*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	886.12	34.70
		For >50 To 100, Deduct	*-81.67*	
		For >100, Deduct	*-124.59*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	789.37	34.70
		For >50 To 100, Deduct	*-72.00*	
		For >100, Deduct	*-110.08*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	826.82	34.70
		For >50 To 100, Deduct	*-75.74*	
		For >100, Deduct	*-115.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	893.87	34.70
		For >50 To 100, Deduct	*-82.45*	
		For >100, Deduct	*-125.75*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	785.03	34.70
		For >50 To 100, Deduct	*-71.56*	
		For >100, Deduct	*-109.43*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	845.65	34.70
		For >50 To 100, Deduct	*-77.62*	
		For >100, Deduct	*-118.52*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	862.97	34.70
		For >50 To 100, Deduct	*-79.36*	
		For >100, Deduct	*-121.12*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	855.78	34.70
		For >50 To 100, Deduct	*-78.64*	
		For >100, Deduct	*-120.04*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	895.96	34.70
		For >50 To 100, Deduct	*-82.66*	
		For >100, Deduct	*-126.06*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	903.81	34.70
		For >50 To 100, Deduct	*-83.44*	
		For >100, Deduct	*-127.24*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	946.29	34.70
		For >50 To 100, Deduct	*-87.69*	
		For >100, Deduct	*-133.61*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	988.77	34.70
		For >50 To 100, Deduct	*-91.94*	
		For >100, Deduct	*-139.99*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	910.56	35.79
		For >50 To 100, Deduct	*-83.90*	
		For >100, Deduct	*-127.99*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	953.04	35.79
		For >50 To 100, Deduct	*-88.15*	
		For >100, Deduct	*-134.37*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	975.17	35.79
		For >50 To 100, Deduct	*-90.36*	
		For >100, Deduct	*-137.69*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	965.71	35.79
		For >50 To 100, Deduct	*-89.41*	
		For >100, Deduct	*-136.27*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.51	35.79
		For >50 To 100, Deduct	*-93.89*	
		For >100, Deduct	*-142.99*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,055.29	35.79
		For >50 To 100, Deduct	*-98.37*	
		For >100, Deduct	*-149.70*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	973.72	35.79
		For >50 To 100, Deduct	*-90.21*	
		For >100, Deduct	*-137.47*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,067.93	35.79
		For >50 To 100, Deduct	*-99.64*	
		For >100, Deduct	*-151.60*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,114.99	35.79
		For >50 To 100, Deduct	*-104.34*	
		For >100, Deduct	*-158.66*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	746.04	35.79
		For >50 To 100, Deduct	*-67.45*	
		For >100, Deduct	*-103.32*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	777.91	35.79
		For >50 To 100, Deduct	*-70.63*	
		For >100, Deduct	*-108.10*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	807.14	35.79
		For >50 To 100, Deduct	*-73.56*	
		For >100, Deduct	*-112.48*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	812.80	35.79
		For >50 To 100, Deduct	*-74.12*	
		For >100, Deduct	*-113.33*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	880.91	35.79
		For >50 To 100, Deduct	*-80.93*	
		For >100, Deduct	*-123.55*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	881.23	35.79
		For >50 To 100, Deduct	*-80.97*	
		For >100, Deduct	*-123.59*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	918.39	35.79
		For >50 To 100, Deduct	*-84.68*	
		For >100, Deduct	*-129.17*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	955.71	35.79
		For >50 To 100, Deduct	*-88.41*	
		For >100, Deduct	*-134.77*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	993.00	35.79
		For >50 To 100, Deduct	*-92.14*	
		For >100, Deduct	*-140.36*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	963.01	35.79
		For >50 To 100, Deduct	*-89.14*	
		For >100, Deduct	*-135.86*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,002.44	35.79
		For >50 To 100, Deduct	*-93.09*	
		For >100, Deduct	*-141.78*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.88	35.79
		For >50 To 100, Deduct	*-97.03*	
		For >100, Deduct	*-147.69*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	969.41	36.88
		For >50 To 100, Deduct	*-89.57*	
		For >100, Deduct	*-136.56*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,008.87	36.88
		For >50 To 100, Deduct	*-93.51*	
		For >100, Deduct	*-142.48*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,036.56	36.88
		For >50 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-146.63*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,020.62	36.88
		For >50 To 100, Deduct	*-94.69*	
		For >100, Deduct	*-144.24*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,033.13	36.88
		For >50 To 100, Deduct	*-95.94*	
		For >100, Deduct	*-146.12*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,078.20	36.88
		For >50 To 100, Deduct	*-100.45*	
		For >100, Deduct	*-152.88*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,002.71	36.88
		For >50 To 100, Deduct	*-92.90*	
		For >100, Deduct	*-141.56*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,094.36	36.88
		For >50 To 100, Deduct	*-102.06*	
		For >100, Deduct	*-155.30*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,159.24	36.88
		For >50 To 100, Deduct	*-108.55*	
		For >100, Deduct	*-165.04*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	869.17	36.88
		For >50 To 100, Deduct	*-79.54*	
		For >100, Deduct	*-121.53*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	895.03	36.88
		For >50 To 100, Deduct	*-82.13*	
		For >100, Deduct	*-125.40*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	942.72	36.88
		For >50 To 100, Deduct	*-86.90*	
		For >100, Deduct	*-132.56*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	936.90	36.88
		For >50 To 100, Deduct	*-86.32*	
		For >100, Deduct	*-131.69*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	998.69	36.88
		For >50 To 100, Deduct	*-92.49*	
		For >100, Deduct	*-140.95*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,018.18	36.88
		For >50 To 100, Deduct	*-94.44*	
		For >100, Deduct	*-143.88*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,008.50	36.88
		For >50 To 100, Deduct	*-93.48*	
		For >100, Deduct	*-142.43*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.41	36.88
		For >50 To 100, Deduct	*-96.77*	
		For >100, Deduct	*-147.36*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,136.25	36.88
		For >50 To 100, Deduct	*-106.25*	
		For >100, Deduct	*-161.59*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,002.84	37.96
		For >50 To 100, Deduct	*-92.69*	
		For >100, Deduct	*-141.32*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,048.71	37.96
		For >50 To 100, Deduct	*-97.28*	
		For >100, Deduct	*-148.20*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,054.68	37.96
		For >50 To 100, Deduct	*-97.88*	
		For >100, Deduct	*-149.09*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,112.48	37.96
		For >50 To 100, Deduct	*-103.66*	
		For >100, Deduct	*-157.76*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,059.00	37.96
		For >50 To 100, Deduct	*-98.31*	
		For >100, Deduct	*-149.74*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,107.45	37.96
		For >50 To 100, Deduct	*-103.15*	
		For >100, Deduct	*-157.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,057.14	37.96
		For >50 To 100, Deduct	*-98.12*	
		For >100, Deduct	*-149.46*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,115.20	37.96
		For >50 To 100, Deduct	*-103.93*	
		For >100, Deduct	*-158.17*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,202.19	37.96
		For >50 To 100, Deduct	*-112.63*	
		For >100, Deduct	*-171.22*	
10 51 26 00-0103		Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*		
10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	946.59	37.42
		For >50 To 100, Deduct	*-87.18*	
		For >100, Deduct	*-133.01*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	978.62	37.42
		For >50 To 100, Deduct	*-90.38*	
		For >100, Deduct	*-137.81*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.65	37.42
		For >50 To 100, Deduct	*-93.58*	
		For >100, Deduct	*-142.62*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	990.26	37.42
		For >50 To 100, Deduct	*-91.54*	
		For >100, Deduct	*-139.56*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,047.63	37.42
		For >50 To 100, Deduct	*-97.28*	
		For >100, Deduct	*-148.16*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,075.40	37.42
		For >50 To 100, Deduct	*-100.06*	
		For >100, Deduct	*-152.33*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,065.72	37.42
		For >50 To 100, Deduct	*-99.09*	
		For >100, Deduct	*-150.88*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,096.69	37.42
		For >50 To 100, Deduct	*-102.19*	
		For >100, Deduct	*-155.52*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,197.33	37.42
		For >50 To 100, Deduct	*-112.25*	
		For >100, Deduct	*-170.62*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,033.81	38.51
		For >50 To 100, Deduct	*-95.68*	
		For >100, Deduct	*-145.83*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,069.73	38.51
		For >50 To 100, Deduct	*-99.27*	
		For >100, Deduct	*-151.22*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,105.62	38.51
		For >50 To 100, Deduct	*-102.86*	
		For >100, Deduct	*-156.60*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,093.06	38.51
		For >50 To 100, Deduct	*-101.61*	
		For >100, Deduct	*-154.72*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,118.32	38.51
		For >50 To 100, Deduct	*-104.13*	
		For >100, Deduct	*-158.51*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,156.14	38.51
		For >50 To 100, Deduct	*-107.91*	
		For >100, Deduct	*-164.18*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,127.07	38.51
		For >50 To 100, Deduct	*-105.01*	
		For >100, Deduct	*-159.82*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,170.45	38.51
		For >50 To 100, Deduct	*-109.35*	
		For >100, Deduct	*-166.33*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,220.78	38.51
		For >50 To 100, Deduct	*-114.38*	
		For >100, Deduct	*-173.88*	
10 51 26 00-0122		Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*		
10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,094.04	37.96
		For >50 To 100, Deduct	*-101.81*	
		For >100, Deduct	*-155.00*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,072.80	39.04
		For >50 To 100, Deduct	*-99.47*	
		For >100, Deduct	*-151.55*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,108.67	39.04
		For >50 To 100, Deduct	*-103.06*	
		For >100, Deduct	*-156.93*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,132.61	39.04
		For >50 To 100, Deduct	*-105.45*	
		For >100, Deduct	*-160.52*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,180.43	39.04
		For >50 To 100, Deduct	*-110.23*	
		For >100, Deduct	*-167.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,194.39	39.04
		For >50 To 100, Deduct	*-111.63*	
		For >100, Deduct	*-169.79*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,204.36	39.04
		For >50 To 100, Deduct	*-112.63*	
		For >100, Deduct	*-171.28*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,208.33	39.04
		For >50 To 100, Deduct	*-113.02*	
		For >100, Deduct	*-171.88*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,252.18	39.04
		For >50 To 100, Deduct	*-117.41*	
		For >100, Deduct	*-178.46*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,310.00	39.04
		For >50 To 100, Deduct	*-123.19*	
		For >100, Deduct	*-187.13*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	50.10	

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	55.26	

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	130.32	

10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*
Note: Price per frame.

10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	51.76	

10 51 26 00-0142 Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	130.63	

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	12.93	
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	38.83	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	51.76	

10 51 53 Locker Room Benches *(10 51)*

10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	111.12	5.43
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	88.40	5.43
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	135.81	5.43
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	129.72	5.43
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	100.45	5.43

10 55 Postal Specialties *(10 50)*

10 55 23 Mail Boxes *(10 55)*

10 55 23 23 Residential Mail Boxes *(10 55 23)*

10 55 23 23-0001 Residential Mail Boxes *(10 55 23 23)*

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	121.97	12.20
		For Stainless Steel Sleeve, Add	*28.49*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	166.10	12.20
		For Stainless Steel Sleeve, Add	*28.49*	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	90.16	10.85
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	133.01	13.56

10 55 23 26 Commercial Mail Boxes *(10 55 23)*

10 55 23 26-0001 Commercial Letter Boxes *(10 55 23 26)*
Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	404.12	16.27
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	467.82	16.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0004		Commercial Horizontal Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	78.97	16.27
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	169.82	21.69
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	102.62	13.56
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	159.37	21.69
10 55 23 26-0009		Commercial Cluster Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) Note: Any door combination.	2,087.52	32.54
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	2,472.31	43.38
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,300.29	43.38
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,406.45	43.38
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,565.70	43.38
10 55 23 26-0015		Commercial 4C Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,782.12	43.38
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,145.62	43.38
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,273.02	43.38
10 55 26		**Parcel Lockers** *(10 55)*		
10 55 26 00-0001		Parcel Lockers *(10 55 26)*		
10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,550.33	32.54
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,842.28	43.38
10 56		**Storage Assemblies** *(10 50)*		
10 56 13		**Metal Storage Shelving** *(10 56)*		
10 56 13 16		**Post-And-Shelf Metal Storage Shelving** *(10 56 13)*		
10 56 13 16-0001		Baked Enamel Steel Shelving *(10 56 13 16)*		
10 56 13 16-0002		7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*		
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	165.46	21.67
		For >75" To 87" High, Add	*14.63*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	165.43	22.75
		For >75" To 87" High, Add	*14.51*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	158.17	24.93
		For >75" To 87" High, Add	*13.61*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	202.52	27.09
		For >75" To 87" High, Add	*17.91*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	227.44	28.17
		For >75" To 87" High, Add	*20.24*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	218.44	30.34
		For >75" To 87" High, Add	*19.19*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	243.11	32.50
		For >75" To 87" High, Add	*21.49*	
10 56 13 16-0010		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)* Note: Adjustable shelves.		
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	120.65	11.05
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	119.07	11.81
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	133.98	12.57
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	139.26	13.33
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	160.77	14.20

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0016		4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*		
10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	139.14	21.67
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	111.78	22.75
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	128.54	24.93
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	135.39	27.09
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	155.20	28.17

10 56 16 Fabricated Wood Storage Shelving *(10 56)*

10 56 16 00-0001 Shelving *(10 56 16)*

10 56 16 00-0002 Built-In Wood Shelving *(10 56 16 00-0001)*
Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	21.81	2.73
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	23.51	3.28
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	23.83	5.48
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	17.91	6.56
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	19.74	7.01
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	21.77	7.55
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	28.63	

10 56 16 00-0011 Plywood Shelf With Edge Band *(10 56 16 00-0001)*

10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	22.29	6.56
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	35.31	8.21

10 56 16 00-0014 Adjustable Shelf And Rod *(10 56 16 00-0001)*

10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	206.85	24.63
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	242.98	32.84

10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*

10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	19.08	6.56
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	20.79	7.01
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	67.07	10.94

10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	21.79	10.29

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	87.91	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	91.11	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	98.52	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	108.09	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	110.46	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	130.97	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	

10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	146.06	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	160.58	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	175.17	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	208.70	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	228.55	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	257.22	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	57.71	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	59.88	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	62.49	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	66.29	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	70.88	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	83.24	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	85.88	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	97.06	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	207.34	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	215.90	10.84
		For Installation On Concrete Walls, Add	*4.38*	
		For Installation On Concrete Block Walls, Add	*4.23*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	58.04	10.84
		For Installation On Concrete Walls, Add	*5.57*	
		For Installation On Concrete Block Walls, Add	*5.42*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	59.47	10.84
		For Installation On Concrete Walls, Add	*5.60*	
		For Installation On Concrete Block Walls, Add	*5.45*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	60.38	10.84
		For Installation On Concrete Walls, Add	*5.62*	
		For Installation On Concrete Block Walls, Add	*5.47*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	63.73	10.84
		For Installation On Concrete Walls, Add	*5.68*	
		For Installation On Concrete Block Walls, Add	*5.53*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	65.44	10.84
		For Installation On Concrete Walls, Add	*5.70*	
		For Installation On Concrete Block Walls, Add	*5.55*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	70.58	10.84
		For Installation On Concrete Walls, Add	*5.78*	
		For Installation On Concrete Block Walls, Add	*5.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0035		Wall Mounted Shelving Accessories *(10 56 17)*		
10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	35.48	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	74.60	5.43
		For Custom Made Units, Add	*36.14*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	49.21	5.43
		For Custom Made Units, Add	*20.90*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	145.52	5.43
		For Custom Made Units, Add	*78.69*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	100.76	5.43
		For Custom Made Units, Add	*49.80*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	55.03	5.43
		For Custom Made Units, Add	*22.36*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	250.92	5.43
		For Custom Made Units, Add	*139.89*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,099.53	200.86
		For Custom Made Units, Add	*1,119.13*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,600.82	200.86
		For Custom Made Units, Add	*819.90*	

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*

10 71 13 13-0002 Louvered Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	113.07	32.79
		For Colored Finish, Add	*12.48*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	122.74	34.44
		For Colored Finish, Add	*13.83*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	132.43	36.07
		For Colored Finish, Add	*15.18*	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	141.27	37.71
		For Colored Finish, Add	*16.38*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	151.28	39.35
		For Colored Finish, Add	*17.79*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	161.74	40.99
		For Colored Finish, Add	*19.27*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	168.79	42.63
		For Colored Finish, Add	*20.15*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	176.65	44.27
		For Colored Finish, Add	*21.17*	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	187.26	45.91
		For Colored Finish, Add	*22.69*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	201.51	47.55
		For Colored Finish, Add	*24.86*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	208.18	49.19
		For Colored Finish, Add	*25.67*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	226.13	50.83
		For Colored Finish, Add	*28.50*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	232.72	52.47
		For Colored Finish, Add	*29.30*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	245.17	54.11
		For Colored Finish, Add	*31.14*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	160.37	36.07
		For Colored Finish, Add	*20.21*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	172.01	37.71
		For Colored Finish, Add	*21.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	179.58	39.35
		For Colored Finish, Add	*22.88*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	191.58	40.99
		For Colored Finish, Add	*24.65*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	201.84	42.63
		For Colored Finish, Add	*26.10*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	211.50	44.27
		For Colored Finish, Add	*27.44*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	224.68	45.91
		For Colored Finish, Add	*29.42*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	242.13	47.55
		For Colored Finish, Add	*32.17*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	254.30	49.19
		For Colored Finish, Add	*33.97*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	268.04	50.83
		For Colored Finish, Add	*36.05*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	272.44	52.47
		For Colored Finish, Add	*36.45*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	282.28	54.11
		For Colored Finish, Add	*37.82*	
10 71 13 13-0030		**Exterior Spanish Cedar Shutters** *(10 71 13 13)*		
10 71 13 13-0031		**12" Width** *(10 71 13 13-0030)*		
10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	453.26	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	489.75	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	524.07	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	560.56	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	594.87	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	634.02	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	668.33	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	702.64	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	739.14	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0041		**14" Width** *(10 71 13 13-0030)*		
10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	480.02	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	521.87	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	561.54	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	603.38	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	643.04	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	684.88	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	724.54	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	761.53	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	803.38	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0051		**16" Width** *(10 71 13 13-0030)*		
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	509.47	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	553.99	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	599.01	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	643.53	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	688.54	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	735.74	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	778.08	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	823.10	49.19
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	870.29	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		**18" Width** *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	536.23	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	586.12	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	636.49	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	686.36	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	734.05	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	786.60	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	834.29	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	884.66	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	934.53	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0071		**20" Width** *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	563.00	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	618.23	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	671.28	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	729.19	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	782.23	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	837.45	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	890.50	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	943.55	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	998.77	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081		**Heavy Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)*		
10 71 13 13-0082		**12" Width** *(10 71 13 13-0081)*		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	513.87	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	547.35	34.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy Duty Red Cedar	596.48	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy Duty Red Cedar	629.97	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	679.09	39.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy Duty Red Cedar	728.22	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy Duty Red Cedar	761.71	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	810.83	44.27
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy Duty Red Cedar	859.96	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	909.08	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	942.57	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy Duty Red Cedar	991.70	50.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy Duty Red Cedar	1,025.17	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096		**14" Width** *(10 71 13 13-0081)*		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	577.32	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	616.04	34.44
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy Duty Red Cedar	672.97	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy Duty Red Cedar	711.68	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	768.62	39.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy Duty Red Cedar	825.58	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy Duty Red Cedar	864.27	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	921.22	44.27
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy Duty Red Cedar	978.18	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	1,035.13	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	1,073.83	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy Duty Red Cedar	1,130.79	50.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy Duty Red Cedar	1,169.47	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0110		**15" Width** *(10 71 13 13-0081)*		
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	609.05	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	650.37	34.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy Duty Red Cedar	711.22	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy Duty Red Cedar	752.54	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	813.39	39.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy Duty Red Cedar	874.26	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy Duty Red Cedar	915.56	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	976.42	44.27
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy Duty Red Cedar	1,037.29	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	1,098.16	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	1,139.46	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy Duty Red Cedar	1,200.33	50.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy Duty Red Cedar	1,241.62	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124		**16" Width** *(10 71 13 13-0081)*		
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	640.78	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	673.84	34.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy Duty Red Cedar	749.47	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy Duty Red Cedar	793.40	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	858.16	39.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy Duty Red Cedar	922.94	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy Duty Red Cedar	966.85	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	1,031.62	44.27
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy Duty Red Cedar	1,096.40	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	1,161.18	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	1,205.10	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy Duty Red Cedar	1,269.88	50.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy Duty Red Cedar	1,313.77	52.47
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138		**18" Width** *(10 71 13 13-0081)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	704.24	32.79
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	753.38	34.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy Duty Red Cedar	825.97	36.07
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy Duty Red Cedar	875.11	37.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	947.69	39.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy Duty Red Cedar	1,020.31	40.99
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy Duty Red Cedar	1,069.43	42.63
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	1,142.02	44.27
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy Duty Red Cedar	1,214.63	45.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	1,287.23	47.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	1,336.36	49.19
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy Duty Red Cedar	1,408.96	50.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy Duty Red Cedar	1,458.08	52.47
		For Arched Tops, Add	*150.00*	

10 71 13 13-0152 Exterior Cypress Fixed Louver Wood Shutters *(10 71 13 13)*

10 71 13 13-0153 6" Through 8" Width *(10 71 13 13-0152)*

10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	641.84	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	722.86	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	804.09	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	886.30	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	968.54	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,050.77	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,132.97	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,215.21	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,297.45	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,379.64	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,461.88	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,544.11	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,626.34	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,708.58	50.83
		For Arched Tops, Add	*65.00*	

10 71 13 13-0168 10" Through 12" Width *(10 71 13 13-0152)*

10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	747.77	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	843.01	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	938.28	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,034.65	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,130.96	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,227.33	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,323.68	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,420.02	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,516.37	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,612.73	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,709.06	45.91
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,805.42	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,901.75	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,998.12	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0183		14" Through 16" Width *(10 71 13 13-0152)*		
10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	983.18	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,109.83	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,236.44	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,364.19	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,491.92	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,619.67	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,747.40	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,875.15	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,877.33	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,130.62	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,258.36	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,386.08	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,513.82	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,641.56	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0198		18" Through 20" Width *(10 71 13 13-0152)*		
10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,100.86	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,243.22	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,385.54	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,527.68	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,672.40	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,815.86	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,959.25	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,102.72	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,246.12	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,389.57	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,532.98	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,676.43	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,819.85	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,963.30	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0213		22" Through 24" Width *(10 71 13 13-0152)*		
10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,453.98	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,643.39	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,832.83	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,023.35	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,213.83	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,404.38	37.71
		For Arched Tops, Add	*65.00*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,594.86	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,785.38	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,975.91	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,166.40	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,356.91	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,547.45	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,737.95	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,928.46	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0228		**26" Through 28" Width** *(10 71 13 13-0152)*		
10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,665.84	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,883.50	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,101.19	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,319.96	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,538.70	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,757.50	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,976.24	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,195.00	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,413.78	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,632.50	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,851.26	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,070.05	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,288.80	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,507.53	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0243		**Pine Louvered Shutters** *(10 71 13 13)*		
10 71 13 13-0244		**12" Width** *(10 71 13 13-0213)*		
10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	366.09	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	381.94	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	397.58	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	413.33	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	428.98	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	444.72	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	460.49	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	476.32	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	492.06	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	507.83	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	523.57	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0256		**14" Width** *(10 71 13 13-0243)*		
10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	405.02	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	422.65	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	439.96	36.07
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	457.48	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	474.83	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	492.17	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	509.64	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	527.10	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	544.47	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	561.91	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	579.42	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0268		**15" Width** *(10 71 13 13-0243)*		
10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	424.04	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	442.32	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	460.64	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	478.85	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	497.14	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	515.42	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	533.72	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	551.95	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	570.18	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	588.42	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	606.73	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	633.04	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0281		**16" Width** *(10 71 13 13-0243)*		
10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	442.15	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	461.99	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	481.98	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	501.93	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	521.88	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	541.83	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	561.65	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	581.65	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	601.59	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	621.56	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	641.50	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	661.33	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0294		**18" Width** *(10 71 13 13-0243)*		
10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	481.99	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	507.81	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	552.06	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	596.41	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	640.73	44.27
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	737.20	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	764.38	50.83
		For Arched Tops, Add	*65.00*	

10 71 13 13-0302 Exterior Cedar Board N' Batten Wood Shutters *(10 71 13 13)*

10 71 13 13-0303 8" Through 14" Width *(10 71 13 13-0302)*

10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	733.02	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	964.61	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	965.70	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,198.39	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,200.58	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,202.77	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,435.45	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,437.64	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,439.83	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,672.50	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,674.69	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,907.37	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,909.56	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,911.75	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,913.93	52.47
		For Arched Tops, Add	*65.00*	

10 71 13 13-0319 15" Through 16" Width *(10 71 13 13-0302)*

10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	963.51	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	964.61	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,196.20	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,198.40	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,431.07	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,433.27	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,435.44	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,668.13	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,670.31	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,902.99	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,905.18	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,137.86	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,140.05	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,372.74	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,374.91	52.47
		For Arched Tops, Add	*65.00*	

10 71 13 13-0335 17" Through 18" Width *(10 71 13 13-0302)*

10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	963.52	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,195.11	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,196.20	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,428.90	34.44
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,431.07	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,663.76	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,665.93	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,898.63	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,900.81	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,133.48	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,135.67	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,368.36	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,370.55	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,603.24	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,605.41	52.47
		For Arched Tops, Add	*65.00*	
10 71 13 13-0351		**19" Through 20" Width** *(10 71 13 13-0302)*		
10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,194.01	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,195.11	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,426.70	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,428.90	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,661.56	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,663.76	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,896.43	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,129.12	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,131.30	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,363.98	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,366.17	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,598.86	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,601.05	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,833.73	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,835.90	52.47
		For Arched Tops, Add	*65.00*	
10 71 13 13-0367		**21" Through 22" Width** *(10 71 13 13-0302)*		
10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,194.01	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,195.11	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,426.70	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,659.39	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,661.56	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,894.26	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,896.43	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,129.12	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,361.80	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,363.98	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,596.67	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,598.86	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,831.54	49.19
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,833.73	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,835.90	52.47
		For Arched Tops, Add	*65.00*	
10 71 13 13-0383		22" Through 24" Width *(10 71 13 13-0302)*		
10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,194.01	31.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,425.61	32.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,426.70	32.79
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,659.39	34.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,892.06	36.07
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,894.26	37.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,126.92	39.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,129.12	40.99
		For Arched Tops, Add	*65.00*	
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,361.80	42.63
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,594.48	44.27
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,596.67	45.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,829.35	47.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,831.54	49.19
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,064.23	50.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,066.40	52.47
		For Arched Tops, Add	*65.00*	
10 71 13 13-0399		Accessories *(10 71 13 13)*		
10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	67.43	
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	67.43	
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	101.33	
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	93.54	
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	84.61	
10 71 13 13-0405	PR	Acorn Holdback	78.72	
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	66.11	
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	62.22	

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001		Metal Awnings *(10 73 13 13)*		
		Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	79.61	8.94
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	70.39	8.01
10 73 13 13-0004	SF	Flat Roofed Steel Awning	222.40	9.29
		Note: Per SF of covered area		
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	229.53	10.45

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001		Canvas Awnings *(10 73 13 23)*		
		Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	77.26	7.58
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	44.42	2.45
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings	27.70	
		Note: Includes removal of existing canvas cover.		
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	*0.95*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001		Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*		
		Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	7,263.64	495.08
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	13,523.37	792.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	8,937.86	619.45
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	16,507.18	828.33

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	109.72	7.18
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*38.15*	
		For Wind Load (140 MPH), Add	*47.69*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	116.80	7.73
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*40.54*	
		For Wind Load (140 MPH), Add	*50.67*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	70.29	7.18
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*22.38*	
		For Wind Load (140 MPH), Add	*27.97*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	76.49	7.73
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*24.41*	
		For Wind Load (140 MPH), Add	*30.52*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	4,058.22	891.46
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	4,334.24	972.50
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole	5,470.30	1,134.58
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole	6,350.84	1,296.67
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole	11,940.05	1,458.75
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole	14,231.99	1,620.84
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole	24,675.86	1,782.92
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole	32,029.31	1,945.01
		Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.		
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,304.94	810.41
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,937.79	891.46
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,371.73	972.50
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,557.88	1,134.58
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,876.64	1,296.67
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	7,615.59	1,377.72
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	9,587.87	1,458.75
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	16,489.77	1,620.84
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	18,047.23	1,782.92
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	22,588.56	1,945.01
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,726.60
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,784.08
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,050.29
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,168.92
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,602.62
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,154.48
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	3,729.15
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,331.84
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,044.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0032		Direct Embedded Flagpole Base *(10 75 16 00-0021)*		
		Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	764.55	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,097.08	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,225.55	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,379.07	
10 75 16 00-0037		Flagpole Accessories *(10 75 16)*		
10 75 16 00-0038		Flagpole Tops *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	129.35	46.12
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	141.41	48.83
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	158.78	51.54
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	209.29	54.25
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	278.37	56.96
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	311.65	59.67
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	283.80	59.67
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	330.58	67.81
10 75 16 00-0047		Flagpole Accessories *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.40	0.08
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.69	0.08
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.53	0.08
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.88	0.08
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	390.93	135.57
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	327.19	81.34
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	27.68	5.43
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.82	0.11
10 75 23		**Wall-Mounted Flagpoles** *(10 75)*		
10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,177.70	710.89
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,359.66	781.98
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,554.89	853.07
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,958.61	995.25
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,924.05	639.81
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	3,145.80	710.89
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	3,483.20	853.07
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001		Stainless Steel Spiked Bird Barrier *(10 81 13)*		
		Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.33	0.87
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	12.47	0.87
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	18.48	0.87

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier *(10 81 13)*		
		Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.51	0.87
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	11.53	0.87
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	13.73	0.87
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier *(10 81 13)*		
		Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.07	0.87
10 81 13 00-0011		Coil Bird Barrier *(10 81 13)*		
		Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	7.63	0.87
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.09	0.87
10 81 13 00-0014		Spider Bird Barrier *(10 81 13)*		
		Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	129.35	0.87
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	192.28	0.87
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	243.68	0.87
10 81 13 00-0018		Oriented Flexible Flame Resistant Netting *(10 81 13)*		
		Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	1.16	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	1.11	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	1.06	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	1.02	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	1.02	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	1.00	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	0.97	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	0.97	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	0.93	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	1.04	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.98	0.39
		Note: To control bird and marine predators.		
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.32	
10 81 13 00-0031		Netting Accessories *(10 81 13)*		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.13	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	13.75	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.18	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	22.99	
10 81 16		**Insect Control Devices** *(10 81)*		
10 81 16 00-0001		Insect Screening *(10 81 16)*		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	140.92	
10 86		**Security Mirrors And Domes** *(10 80)*		
10 86 00 00-0001		Security Mirrors *(10 86)*		
10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	92.44	34.29
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	99.34	34.29
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	148.81	28.58
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	92.82	34.29
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	138.50	34.29
10 86 00 00-0007		Dome Mirrors *(10 86)*		
		Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0008		Steel Dome Mirrors *(10 86 00 00-0007)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	309.15	21.70
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	364.47	22.78
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	421.96	24.96
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	564.96	27.12
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	221.12	16.28
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	255.64	17.36
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	299.11	18.98
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	417.91	20.62
10 86 00 00-0017		Plexiglas Dome Mirrors *(10 86 00 00-0007)*		
10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	238.25	24.96
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	338.49	27.12
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	448.86	31.46
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	542.75	37.98
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	792.53	54.25
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	144.97	18.98
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	196.75	20.62
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	260.11	23.87
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	320.95	28.75
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	511.21	40.69
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	92.63	16.28
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	119.69	17.91
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	158.23	20.07
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	197.49	23.87
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	328.94	33.91
10 86 00 00-0033		Coated Plexiglas Dome Mirrors *(10 86 00 00-0007)*		
10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	285.62	24.96
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	444.79	27.12
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	755.35	37.98
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,164.58	54.25
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	184.72	18.98
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	276.94	20.62
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	438.81	28.75
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	728.43	40.69
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	133.54	16.28
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	188.55	17.91
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	245.12	20.07
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	315.80	23.87
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	495.33	33.91
10 86 00 00-0047		Circular Convex Security Mirrors *(10 86)*		
		Note: Includes all mounting hardware.		
10 86 00 00-0048		Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	99.43	17.36
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	130.18	18.98
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	199.30	20.62
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	249.48	23.87
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	332.51	28.75
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	589.78	40.69
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	169.24	18.98
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	245.51	20.62
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	350.99	28.75
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	645.24	40.69
10 86 00 00-0059		Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	205.29	18.98
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	325.47	20.62
10 86 00 00-0062	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	438.28	23.87
10 86 00 00-0063	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	547.42	28.75
10 86 00 00-0064	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	795.45	40.69
10 86 00 00-0065	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	247.58	18.98
10 86 00 00-0066	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	385.55	20.62
10 86 00 00-0067	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	537.65	23.87
10 86 00 00-0068	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	607.50	28.75
10 86 00 00-0069	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	964.14	40.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 10

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	617.32	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	645.60	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	677.99	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	900.88	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	931.24	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,318.96	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,338.55	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,375.75	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,581.81	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,608.17	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Reels *(11 11 19)*

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,139.25	137.78
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,110.69	137.78
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	971.51	137.78
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,082.69	137.78

11 11 19 00-0006 Air Operated Powered Pumps *(11 11 19)*
Note: Excludes air compressor.

11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,712.53	183.71
11 11 19 00-0008	EA	1", Antifreeze, Air Operatied Diaphragm Pump (Alemite 8325) Note: UL listed.	1,900.43	183.71
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,522.25	183.71
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 LB Drum (Alemite 9979-A) Note: Includes pump, drum cover and follower plate.	1,761.26	91.85

11 11 19 00-0011 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	621.94	34.45
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	621.94	34.45
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	621.94	34.45
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	336.85	34.45
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	181.68	34.45
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	120.38	11.48
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	278.65	45.93
11 11 19 00-0019	EA	Unistrut Reel Brackets	247.27	9.18
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	333.03	34.45

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*
Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,281.18	162.33
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,589.47	216.44
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,910.78	162.33
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	13,500.69	216.44
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	3,729.52	81.16
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	7,223.06	81.16
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	3,610.75	108.22
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	6,968.19	108.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0010		Electric Vehicle Charging Stations (AeroVironment) *(11 11 36 13)*		
		Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)	2,908.95	54.11
		Note: Includes charging station only. Excludes mounting bracket or pedestal.		
11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,159.70	108.22
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	6,960.43	135.27
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,376.14	162.33
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	7,176.87	189.38
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	9,977.60	216.44
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	12,778.33	243.50
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0018		Electric Vehicle Charging Stations (Leviton) *(11 11 36 13)*		
11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000)	5,009.26	108.22
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*3,217.51*	
		For Bollard Cap (Leviton CPCAP-B), Add	*295.68*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,223.74*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*295.68*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*2,027.79*	
11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	3,997.76	108.22
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*3,217.51*	
		For Bollard Cap (Leviton CPCAP-B), Add	*295.68*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,223.74*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*295.68*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*2,027.79*	
11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000)	9,837.37	135.27
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*3,217.51*	
		For Bollard Cap (Leviton CPCAP-B), Add	*295.68*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,223.74*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*295.68*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*2,027.79*	
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000)	8,822.60	135.27
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*3,217.51*	
		For Bollard Cap (Leviton CPCAP-B), Add	*295.68*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,223.74*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*295.68*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*2,027.79*	
11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	3,650.40	162.33
		For Cap, Add	*295.68*	
11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,656.63	162.33
		For Cap, Add	*295.68*	
11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)	2,244.23	108.22
		For Cap, Add	*295.68*	

11 12 Parking Control Equipment *(11 10)*

11 12 13 Parking Key and Card Control Units *(11 12)*

11 12 13 00-0001	EA	Card Access Control System, Surface Mounted	1,565.52	93.62
		Note: Entracomp 26SA-SM.		
11 12 13 00-0002	EA	Card Access Control System, Flush Mounted	1,741.52	93.62
		Note: Entracomp 26SA-FM.		
11 12 13 00-0003	EA	Card Access Control System, Flush Mounted	2,009.14	93.62
		Note: Entracomp 26SA-MH.		

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001		Parking Ticket Dispensers *(11 12 16)*		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	11,644.94	224.69
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	15,677.43	224.69

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001		Parking Meters *(11 12 23)*		
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	228.30	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 26 13-0001		Parking Fee Collection Equipment *(11 12 26 13)*		
11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,766.29	76.14
11 12 33		**Parking Gates** *(11 12)*		
11 12 33 13		**Lift Arm Parking Gates** *(11 12 33)*		
11 12 33 13-0001		Barrier Parking Gate Operators *(11 12 33 13)*		
11 12 33 13-0002		Barrier Parking Gate Operators *(11 12 33 13-0001)*		
		Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,406.72	623.14
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,386.12	623.14
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,647.13	623.14
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,270.28	623.14
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,591.92	623.14
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,004.05	623.14
11 12 33 13-0009		Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)*		
		Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	18,788.78	1,246.28
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	21,922.92	1,246.28
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	18,943.33	1,246.28
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,077.47	1,246.28
11 12 33 13-0014		Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	220.33	24.31
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	199.72	24.31
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	460.74	24.31
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	692.56	24.31
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	632.46	24.31
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	632.46	24.31
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	769.83	24.31
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	678.01	145.82
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	678.01	145.82
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	682.83	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,745.45	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,254.46	48.61
		Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		Tire Shredding Traffic Control Spikes *(11 12 36)*		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,707.08	388.86
11 12 36 00-0004		Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	4,830.87	194.43
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,457.11	194.43
11 12 36 00-0007		Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,154.94	72.92
		Note: Includes light and mounting post.		
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,757.08	97.21
		Note: Includes mounting post and hardware.		
11 13		**Loading Dock Equipment** *(11 10)*		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		Laminated Rubber Dock Bumpers *(11 13 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0002		**4-1/2" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	149.92	21.69
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	186.13	21.69
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	237.21	21.69
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	165.35	21.69
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	178.14	21.69
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	201.02	21.69
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	237.21	21.69
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	318.93	21.69
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	185.78	21.69
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	201.02	21.69
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	244.48	21.69
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	275.30	21.69
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	375.38	21.69
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	226.47	21.69
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	262.31	21.69
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	338.67	21.69
11 13 13 00-0019		**6" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	213.99	21.69
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	226.63	21.69
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	257.10	21.69
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	303.50	21.69
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	406.18	21.69
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	242.04	21.69
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	252.42	21.69
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	293.63	21.69
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	355.10	21.69
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	527.22	21.69
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	303.68	21.69
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	344.89	21.69
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	350.38	21.69
11 13 13 00-0033		**Extruded Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0034		**1-3/4" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	78.32	21.69
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	83.41	21.69
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	90.20	21.69
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	96.99	21.69
11 13 13 00-0039		**4" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	104.94	21.69
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	126.34	21.69
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	132.50	21.69
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	146.54	21.69
11 13 13 00-0044		**6" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	130.22	21.69
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	159.07	21.69
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	182.83	21.69
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	228.16	21.69
11 13 13 00-0049		**Molded Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0050		**Rectangular Molded Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	115.65	21.69
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	102.55	21.69
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	132.45	21.69
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	162.61	21.69
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	169.73	21.69
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	129.02	21.69
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	163.81	21.69
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	235.42	21.69
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	139.43	21.69
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	203.04	21.69
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	202.42	21.69
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	308.06	21.69
11 13 13 00-0063		**T And L Shaped Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	192.62	21.69
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	176.72	21.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0066		Vertical Dock Bumpers *(11 13 13)*		
		Note: Made with truck tire material.		
11 13 13 00-0067	EA	11" x 4" x 20", Vertical, Truck Docking Bumpers (U-Line H-2054)	187.46	19.74
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*84.30*	
11 13 13 00-0068	EA	11" x 6" x 20", Vertical, Truck Docking Bumpers (U-Line H-6629)	241.43	19.74
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*84.30*	
11 13 13 00-0069		Horizontal Dock Bumpers *(11 13 13)*		
		Note: Made with truck tire material.		
11 13 13 00-0070	EA	12" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1504)	118.71	16.70
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*84.30*	
11 13 13 00-0071	EA	12" x 6" x 10", Horizontal, Truck Docking Bumpers (U-Line H-5502)	155.27	16.70
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*84.30*	
11 13 13 00-0072	EA	24" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1505)	177.02	19.74
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	*84.30*	
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	96.34	21.69
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	97.63	21.69
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	98.93	21.69
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	101.53	21.69
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	104.13	21.69
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	106.76	21.69
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	109.39	21.69
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	112.10	21.69
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	114.80	21.69
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	117.40	21.69
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	120.00	21.69
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	125.27	21.69
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.77	21.69
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	113.07	21.69
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	114.37	21.69
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.00	21.69
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.64	21.69
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.24	21.69
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.83	21.69
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.47	21.69
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.10	21.69
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.70	21.69
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.37	21.69
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.56	21.69
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.00	21.69
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	121.33	21.69
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.67	21.69
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.27	21.69
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.86	21.69
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.50	21.69
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.13	21.69
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.73	21.69
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.32	21.69
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.96	21.69
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	143.59	21.69
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	148.93	21.69
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	89.45	21.69
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	91.49	21.69
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	96.01	21.69
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	100.46	21.69
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	105.03	21.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	109.49	21.69
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	114.00	21.69
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	104.05	21.69
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	106.16	21.69
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.67	21.69
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	115.19	21.69
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.64	21.69
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	124.15	21.69
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	128.60	21.69
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	111.97	21.69
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	114.01	21.69
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.59	21.69
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	123.04	21.69
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	127.55	21.69
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	132.01	21.69
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	136.58	21.69
11 13 16 13-0066		Nylon Reinforced Vinyl Dock Air Sealing Systems *(11 13 16 13)*		
11 13 16 13-0067	EA	8' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-10) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	1,861.68	325.51
11 13 16 13-0068	EA	8' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-12) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	1,857.67	325.51
11 13 16 13-0069	EA	8' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-20) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,344.74	325.51
11 13 16 13-0070	EA	9' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-10) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,074.15	325.51
11 13 16 13-0071	EA	9' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-12) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,138.29	325.51
11 13 16 13-0072	EA	9' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-20) Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.	2,396.86	325.51
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	151.36	27.11
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	112.78	26.03
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	117.57	26.03
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	122.10	27.11
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	125.41	27.11
11 13 19		**Stationary Loading Dock Equipment** *(11 13)* Note: Includes all anchor bolts and fasteners.		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)* Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler	8,120.41	940.86
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler	8,687.54	1,045.39
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler	10,626.41	1,254.47
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler	8,640.35	1,045.39
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler	9,384.67	1,149.94
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler	11,251.23	1,359.02
11 13 19 13-0009		25,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler	8,284.58	940.86
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler	8,856.79	1,045.39
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler	10,784.98	1,254.47
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler	8,800.34	1,045.39
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler	9,532.42	1,149.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler	11,562.27	1,359.02
11 13 19 13-0016		**30,000 LB Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler	8,679.66	1,097.67
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler	9,234.11	1,254.47
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler	11,242.78	1,463.55
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler	9,234.11	1,254.47
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler	9,935.10	1,411.28
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler	11,943.78	1,515.83
11 13 19 13-0023		**35,000 LB Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler	8,982.19	1,149.94
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler	9,538.19	1,306.75
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler	10,746.20	1,515.83
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler	9,538.19	1,306.75
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler	10,358.87	1,463.55
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler	12,413.56	1,568.10
11 13 19 13-0030		**40,000 LB Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler	9,498.98	1,149.94
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler	10,054.22	1,306.75
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler	12,095.08	1,515.83
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler	10,054.22	1,306.75
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler	10,875.85	1,463.55
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler	12,930.20	1,568.10
11 13 19 13-0037		**45,000 LB Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler	9,939.83	1,202.20
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler	10,504.71	1,359.02
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler	12,534.31	1,568.10
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler	10,506.29	1,359.02
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler	11,320.69	1,515.83
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler	13,360.74	1,620.36
11 13 19 13-0044		**Manual Dock Levelers** *(11 13 19 13)*		
11 13 19 13-0045		**20,000 LB Manual Dock Levelers** *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler	6,438.83	940.86
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler	7,016.59	1,045.39
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler	8,944.83	1,254.47
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler	6,960.29	1,045.39
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler	7,703.09	1,149.94
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler	9,741.15	1,254.47
11 13 19 13-0052		**40,000 LB Manual Dock Levelers** *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler	7,966.14	1,045.39
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler	8,521.38	1,149.94
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler	9,260.07	1,359.02
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler	8,521.38	1,149.94
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler	9,690.55	1,254.47
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler	11,397.35	1,463.55
11 13 19 13-0059		**Edge Of Dock Levelers** *(11 13 19 13)* Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		**Hydraulic Edge Of Dock Levelers** *(11 13 19 13-0059)* Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,570.17	313.62
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,915.11	313.62
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,865.19	313.62
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,338.72	313.62
11 13 19 13-0065	EA	66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,253.15	313.62
11 13 19 13-0066	EA	72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,552.60	313.62
11 13 19 13-0067		**Manual Edge Of Dock Levelers** *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,372.89	313.62
11 13 19 13-0069	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,580.69	313.62
11 13 19 13-0070	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,644.23	313.62
11 13 19 13-0071	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,800.07	313.62
11 13 19 13-0072	EA	66" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	2,857.58	313.62
11 13 19 13-0073	EA	72" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,252.78	313.62
11 13 19 13-0074	EA	78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,543.52	313.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0075	EA	72" Usable Width, 30,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,585.30	313.62
11 13 19 13-0076	EA	66" Usable Width, 20,000 LB Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,188.36	313.62
11 13 19 13-0077	EA	78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,394.85	313.62
11 13 19 13-0078	EA	72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,135.45	313.62
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift	17,437.89	218.62
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	12,466.12	218.62
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	22,459.41	327.93
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	39,364.86	655.87
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	41,238.79	874.49
11 13 19 23-0008		Electric Powered Truck Scissor Dock Lift *(11 13 19 23)*		
11 13 19 23-0009	EA	5,000 lbs., 96" Length x 72" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-5-68)	14,419.47	777.73
11 13 19 23-0010	EA	6,000 lbs., 96" Length x 96" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-6-88)	17,518.39	777.73
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift	36,571.71	1,891.60
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift	41,830.28	2,269.92
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 LB restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	10,056.38	392.02
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 LB restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	10,518.97	392.02
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,499.66	392.02
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 LB Capacity Portable Platform Lift	14,633.31	121.52
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	395.87	93.62
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	494.62	93.62
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	215.12	74.90
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	418.95	124.83
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	485.62	124.83
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	431.56	124.83
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	567.94	124.83
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	672.47	124.83
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	736.53	124.83
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	787.77	124.83
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	424.36	124.83
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	464.89	124.83
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	499.49	124.83

11 14 Pedestrian Control Equipment *(11 10)*

11 14 13 Pedestrian Gates *(11 14)*

11 14 13 16 Rotary Gates *(11 14 13)*

11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*

11 14 13 16-0002 Mechanical *(11 14 13 16-0001)*

11 14 13 16-0003 Galvanized Steel *(11 14 13 16-0002)*

11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	12,380.81	1,453.62
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	14,017.92	1,453.62
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	28,075.90	2,168.74
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	27,173.08	2,168.74

11 14 13 16-0008 Powder Coated Steel *(11 14 13 16-0002)*

11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	14,038.99	1,453.62
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	15,612.91	1,453.62
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	33,224.98	2,168.74
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	29,893.57	2,168.74

11 14 13 16-0013 Anodized Aluminum *(11 14 13 16-0002)*

11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	14,758.24	1,453.62
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	25,775.65	1,453.62
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	29,761.16	2,168.74
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	50,513.98	2,168.74

11 14 13 16-0018 Stainless Steel *(11 14 13 16-0002)*

11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	23,470.45	1,453.62
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	26,377.53	1,453.62
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	37,705.98	2,168.74
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	47,155.49	2,168.74

11 14 13 16-0023 Transparent *(11 14 13 16-0002)*

11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	46,841.45	1,453.84

11 14 13 16-0025 Mechanical Options *(11 14 13 16-0001)*

11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	255.80	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	180.56	

11 14 13 16-0028 Electrical, One-Way *(11 14 13 16-0001)*

11 14 13 16-0029 Galvanized Steel *(11 14 13 16-0028)*

11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	13,106.08	1,453.62
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	14,746.20	1,453.62
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,784.36	2,168.74
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	28,343.73	2,168.74
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	30,784.36	2,168.74

11 14 13 16-0035 Powder Coated Steel *(11 14 13 16-0028)*

11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	14,761.25	1,453.62
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	16,593.97	1,453.62
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	41,344.34	2,168.74
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	31,079.28	2,168.74
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	33,525.92	2,168.74

11 14 13 16-0041 Anodized Aluminum *(11 14 13 16-0028)*

11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,062.19	1,453.62
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,995.10	1,453.62
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	26,678.47	1,453.62
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	31,419.34	2,168.74
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	34,997.52	2,168.74
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	52,075.86	2,168.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	24,990.20	1,453.62
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	26,765.74	1,453.62
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	43,351.61	2,168.74
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	49,475.74	2,168.74
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	54,588.71	2,168.74
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	42,697.51	1,453.84
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	45,213.37	1,453.84
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	46,311.80	1,453.84
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	76,226.30	2,168.74
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	81,071.43	2,168.74
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,153.35	1,453.62
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,841.62	1,453.62
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	36,538.33	2,168.74
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,212.57	2,168.74
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,679.11	1,453.62
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,617.17	1,453.62
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	42,253.18	2,168.74
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,963.16	2,168.74
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,094.41	1,453.62
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,985.19	1,453.62
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,879.22	1,453.62
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	33,522.91	2,168.74
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,028.96	2,168.74
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,007.37	1,453.62
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	27,813.01	1,453.62
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	44,097.94	2,168.74
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	50,980.44	2,168.74
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	56,665.20	2,168.74
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	43,570.23	1,453.84
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	45,935.62	1,453.84
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	47,292.86	1,453.84
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	78,062.03	2,168.74
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	82,576.13	2,168.74
11 14 13 16-0089		**Electrical Options** *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,002.13	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	704.20	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	231.72	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	231.72	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	183.57	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	180.56	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	165.52	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,204.13	
11 14 13 16-0098		**Relocate Rotary Gate** *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	4,269.97	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		**Turnstiles** *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	2,667.10	409.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,514.47	409.92

11 14 16 Pedestrian Control Devices *(11 14)*

11 14 16 00-0001 Retractable Barrier *(11 14 16)*

11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	99.87	21.87
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	179.65	21.87
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	219.54	21.87
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	359.16	21.87

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001 Dairy Products *(11 21 63)*

11 21 63 00-0002 Refrigerated Dairy Case *(11 21 63 00-0001)*

11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	1,977.83	344.60
		For Rear Sliding Doors, Add	*19.95*	

11 21 63 00-0004 Refrigerated Milk Unit *(11 21 63 00-0001)*

11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,961.97	250.10

11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*

11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	11,045.56	274.66

11 21 63 00-0008 Ice Cream Dispenser *(11 21 63 00-0001)*

11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	9,225.14	231.26

11 21 63 00-0010 Drop-In Ice Cream Freezer *(11 21 63 00-0001)*

11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,300.56	57.55
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	3,006.30	75.26

11 21 63 00-0013 Ice Cream Cabinets *(11 21 63 00-0001)*

11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	7,205.65	179.87
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	10,263.85	259.58

11 21 63 00-0016 Delicatessen Case, Service Deli *(11 21 63)*

11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,985.70	287.17
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	2,207.51	344.60
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,653.41	76.46

11 21 63 00-0020 Meat Case *(11 21 63)*

11 21 63 00-0021	LF	Meat Case, Single - Deck	1,432.72	344.60
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,554.04	344.60

11 21 63 00-0023 Produce Case *(11 21 63)*

11 21 63 00-0024	LF	Single Deck Produce Case	1,496.40	344.60
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,655.64	344.60

11 21 63 00-0026 Bottle Coolers *(11 21 63)*

11 21 63 00-0027	EA	Bottle Cooler, 6' Long	5,598.07	1,148.66
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	8,401.01	1,722.98

11 21 63 00-0029 Cold Pan Units *(11 21 63)*

11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,687.95	91.59
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	5,123.59	128.13
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	6,058.04	151.55
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	6,227.63	156.57
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,778.42	169.02
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	8,054.43	199.74

11 21 63 00-0036 Cold Cabinets (Insulated) *(11 21 63)*

11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,349.54	79.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 21 93 Mobile Containment Equipment *(11 21)*

11 21 93 00-0001 Kontrol Kube Mobile Containment *(11 21 93)*

11 21 93 00-0002	EA	10' High Uniframe (Kontrol Kube FLK6540)	3,270.98	
11 21 93 00-0003	EA	10' High Length Advanced Enclosure (Kontrol Kube FLK6547)	3,046.18	
11 21 93 00-0004	EA	Unit Wheelbase (Kontrol Kube FLK6543)	1,087.92	
11 21 93 00-0005	EA	Negative Air Machine, High Efficiency Particulate Air (HEPA) (Kontrol Kube 6560-U)	2,894.40	

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001 In Room Safes *(11 22 13 16)*

11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	818.73	10.84
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	765.96	10.84
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	797.63	10.84
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	892.62	10.84
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	924.29	10.84
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	955.95	10.84
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	605.76	13.56
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	626.87	13.56
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	647.98	13.56

11 28 Office Equipment *(11 20)*

11 28 13 Computers *(11 28)*

11 28 13 00-0001 Accessories *(11 28 13)*

11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	1,166.23	62.31
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	1,432.64	68.55
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,867.63	74.78
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	2,019.70	81.00
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	1,490.08	68.55
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	1,555.06	68.55
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	2,203.96	87.24
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	2,343.56	87.24
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	1,238.06	68.55
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	344.53	68.55
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	247.47	68.55

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens *(11 30 13 13)*

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0003	EA	20" Electric Range With Oven	900.67	97.21
		For Stainless Steel, Add	*176.56*	
11 30 13 13-0004	EA	24" Electric Range With Oven	941.14	97.21
		For Stainless Steel, Add	*186.68*	
11 30 13 13-0005	EA	30" Electric Range With Oven	904.63	97.21
		For Stainless Steel, Add	*201.86*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	997.86	97.21

11 30 13 13-0007 Gas Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0008	EA	20" Gas Range With Oven	1,001.85	97.21
		For Stainless Steel, Add	*201.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0009	EA	24" Gas Range With Oven	1,054.46	97.21
		For Stainless Steel, Add	*215.01*	
11 30 13 13-0010	EA	30" Gas Range With Oven	1,103.03	97.21
		For Stainless Steel, Add	*227.15*	
11 30 13 13-0011		**Range Hoods** *(11 30 13 13)*		
11 30 13 13-0012		**Venting Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	305.06	72.92
		For Stainless Steel, Add	*23.89*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	281.40	72.92
		For Stainless Steel, Add	*20.34*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	277.25	72.92
		For Stainless Steel, Add	*19.71*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	281.40	72.92
		For Stainless Steel, Add	*20.34*	
11 30 13 13-0017		**Non-Ducted Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	308.11	72.92
		For Stainless Steel, Add	*24.34*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	284.54	72.92
		For Stainless Steel, Add	*20.81*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	280.37	72.92
		For Stainless Steel, Add	*20.18*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	284.54	72.92
		For Stainless Steel, Add	*20.81*	
11 30 13 13-0022		**Microwaves** *(11 30 13 13)*		
11 30 13 13-0023		**Countertop Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	190.25	12.15
		For Stainless Steel, Add	*24.89*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	226.65	12.15
		For Stainless Steel, Add	*30.35*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	232.72	12.15
		For Stainless Steel, Add	*31.26*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	285.35	12.15
		For Stainless Steel, Add	*39.16*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	305.59	12.15
		For Stainless Steel, Add	*42.19*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	325.83	12.15
		For Stainless Steel, Add	*45.23*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	346.06	12.15
		For Stainless Steel, Add	*48.26*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	366.30	12.15
		For Stainless Steel, Add	*51.30*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	388.54	12.15
		For Stainless Steel, Add	*54.63*	
11 30 13 13-0033		**Over-The-Range Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	663.01	97.20
		For Stainless Steel, Add	*77.58*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	750.86	97.20
		For Stainless Steel, Add	*90.76*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	779.17	97.20
		For Stainless Steel, Add	*95.01*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	991.64	97.20
		For Stainless Steel, Add	*126.88*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	791.33	97.20
		For Stainless Steel, Add	*96.83*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	505.63	72.91
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,507.75	97.21
		For Stainless Steel, Add	*236.40*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	744.74	48.61
		For Stainless Steel, Add	*97.13*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	904.63	48.61
		For Stainless Steel, Add	*121.11*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	1,007.81	48.61
		For Stainless Steel, Add	*136.59*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	1,068.52	48.61
		For Stainless Steel, Add	*145.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,230.41	48.61
		For Stainless Steel, Add	*169.98*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,370.05	48.61
		For Stainless Steel, Add	*190.93*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,473.24	48.61
		For Stainless Steel, Add	*206.40*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,332.82	48.61
11 30 13 13-0052		**Side-By-Side Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,513.49	48.61
		For Stainless Steel, Add	*212.44*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,877.96	48.61
		For Stainless Steel, Add	*267.11*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	2,120.79	48.61
		For Stainless Steel, Add	*303.54*	
11 30 13 13-0056		**Other Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	247.13	24.31
		For Stainless Steel, Add	*29.78*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	338.19	24.31
		For Stainless Steel, Add	*43.44*	
11 30 13 13-0059		**Freezers** *(11 30 13 13)*		
11 30 13 13-0060		**Upright Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	702.27	48.61
		For Stainless Steel, Add	*90.76*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	904.63	48.61
		For Stainless Steel, Add	*121.11*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	965.33	48.61
		For Stainless Steel, Add	*130.22*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,106.99	48.61
		For Stainless Steel, Add	*151.47*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,270.88	48.61
		For Stainless Steel, Add	*176.05*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,351.84	48.61
		For Stainless Steel, Add	*188.19*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,412.53	48.61
		For Stainless Steel, Add	*197.30*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	562.62	48.61
		For Stainless Steel, Add	*69.81*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	704.27	48.61
		For Stainless Steel, Add	*91.06*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	754.88	48.61
		For Stainless Steel, Add	*98.65*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	845.92	48.61
		For Stainless Steel, Add	*112.31*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	904.63	48.61
		For Stainless Steel, Add	*121.11*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,106.99	48.61
		For Stainless Steel, Add	*151.47*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,370.05	48.61
		For Stainless Steel, Add	*190.93*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,412.53	48.61
		For Stainless Steel, Add	*197.30*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 LB Per Day, Automatic Ice Maker	2,618.70	97.21
11 30 13 13-0079	EA	18" Wide, 50 LB Per Day, Automatic Ice Maker	2,922.24	97.21
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,266.92	97.21
		For Stainless Steel, Add	*160.87*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	841.96	97.21
		For Stainless Steel, Add	*97.13*	
11 30 13 13-0083		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	145.82	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	291.64	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	311.09	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	145.82	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	243.04	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0089		Appliance Repair *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0090	EA	8" Burner Replacement	34.08	
11 30 13 13-0091	EA	4" Burner Element Replacement	60.24	
11 30 13 13-0092	EA	8" Burner Element Replacement	69.28	
11 30 13 13-0093	EA	Burner Manifold Replacement	232.82	
11 30 13 13-0094	EA	Burner Switch Replacement	95.43	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	44.29	
11 30 13 13-0096	EA	Oven Control Replacement	114.92	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	45.70	
11 30 13 13-0098	EA	Oven Element Replacement	107.99	
11 30 13 13-0099	EA	Oven Igniter Replacement	77.88	
11 30 13 13-0100	EA	Oven Knobs Replacement	59.54	
11 30 13 13-0101		Accessories *(11 30 13 13)*		
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	19.50	3.89
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	28.92	3.89
11 30 13 13-0104		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,305.71	211.47
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,554.29	211.47
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	975.48	97.21
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,562.32	97.21
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	2,068.22	97.21
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	750.88	97.21
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	955.24	97.21
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,177.84	97.21
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,339.72	97.21
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	894.53	97.21
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,096.89	97.21
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,299.03	97.21
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,481.38	97.21
11 30 13 23-0017		Washer and Dryer Accessories *(11 30 13 23-0001)*		
		See CSI section 22 11 19 00-0209 for washer boxes and dryer outlets.		
11 30 13 23-0018	EA	1" Height, Washer/Dryer Stacking Kit (Miele WTV 502)	149.50	7.29
11 30 13 23-0019	EA	4-3/4" Height, Washer/Dryer Stacking Kit With Drawer (Miele WTV 512)	356.33	8.51
11 30 13 23-0020	EA	13" Height, Washer/Dryer Stacking Kit With Drawer (Miele WTS 510)	699.42	9.72
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	754.03	217.01
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	769.41	217.01
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	769.41	217.01
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	784.42	217.01
11 30 33 00-0007		350 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	894.47	217.01
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	925.57	217.01
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	912.79	217.01
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	942.51	217.01
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	930.55	217.01
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	981.92	217.01

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0014			350 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
			Note: 1 x 6 treads, 1 x 5 stringers. Bessler Stairway Company, Model Space Saver.		
11 30 33 00-0015	EA		22-1/2" x 48" Rough Opening, 8' 5" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,148.49	217.01
11 30 33 00-0016	EA		22-1/2" x 54" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,191.79	217.01
11 30 33 00-0017	EA		22-1/2" x 54" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,235.10	217.01
11 30 33 00-0018	EA		22-1/2" x 60" Rough Opening, 9' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,235.10	217.01
11 30 33 00-0019	EA		22-1/2" x 60" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,256.75	217.01
11 30 33 00-0020	EA		25-1/2" x 48" Rough Opening, 8' 5" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,175.62	217.01
11 30 33 00-0021	EA		25-1/2" x 54" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,218.92	217.01
11 30 33 00-0022	EA		25-1/2" x 54" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,262.23	217.01
11 30 33 00-0023	EA		25-1/2" x 60" Rough Opening, 9' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,262.23	217.01
11 30 33 00-0024	EA		25-1/2" x 60" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,283.88	217.01
11 30 33 00-0025	EA		30" x 54" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,311.00	217.01
11 30 33 00-0026	EA		30" x 54" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,354.30	217.01
11 30 33 00-0027	EA		30" x 60" Rough Opening, 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,440.90	217.01
11 30 33 00-0028	EA		30" x 60" Rough Opening, 9' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,462.56	217.01
11 30 33 00-0029	EA		30" x 60" Rough Opening, 10' Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,484.21	217.01
11 30 33 00-0030	EA		30" x 60" Rough Opening, 10' 6" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,505.86	217.01
11 30 33 00-0031			400 LB Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
			Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0032	EA		24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity	1,819.92	217.01
11 30 33 00-0033	EA		24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity	1,884.87	217.01
11 30 33 00-0034	EA		24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity	1,949.83	217.01
11 30 33 00-0035	EA		24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity	1,993.13	217.01
11 30 33 00-0036			600 LB Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
			Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0037	EA		24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,144.68	217.01
			For Ladder Width 18 7/8" Wide, Add	*240.33*	
11 30 33 00-0038	EA		24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,187.99	217.01
			For Ladder Width 18 7/8" Wide, Add	*246.82*	
11 30 33 00-0039	EA		24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,209.64	217.01
			For Ladder Width 18 7/8" Wide, Add	*250.07*	
11 30 33 00-0040	EA		24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,274.59	217.01
			For Ladder Width 18 7/8" Wide, Add	*259.81*	
11 30 33 00-0041	EA		24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,415.45	217.01
			For Ladder Width 18 7/8" Wide, Add	*272.80*	
11 30 33 00-0042	EA		24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,523.71	217.01
			For Ladder Width 18 7/8" Wide, Add	*289.04*	
11 30 33 00-0043	EA		24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity	2,631.96	217.01
			For Ladder Width 18 7/8" Wide, Add	*305.28*	
11 30 33 00-0044			800 LB Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*		
			Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0045	EA		30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,017.63	217.01
11 30 33 00-0046	EA		30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,060.93	217.01
11 30 33 00-0047	EA		30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,104.23	217.01
11 30 33 00-0048	EA		30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,212.49	217.01
11 30 33 00-0049	EA		30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,331.68	217.01
11 30 33 00-0050	EA		30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,396.63	217.01
11 30 33 00-0051	EA		30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,504.89	217.01
11 30 33 00-0052	EA		30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,710.71	217.01
11 30 33 00-0053	EA		30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	4,905.56	217.01
11 30 33 00-0054	EA		30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	5,143.73	217.01
11 30 33 00-0055	EA		30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity	5,360.23	217.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0056		300 LB Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0057	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	773.67	217.01
11 30 33 00-0058	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	805.28	217.01
11 30 33 00-0059	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	782.47	217.01
11 30 33 00-0060	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	814.06	217.01
11 30 33 00-0061	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	990.02	217.01
11 30 33 00-0062		300 LB Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0063	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	850.64	217.01
11 30 33 00-0064	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	894.87	217.01

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001		30" Compact Kitchen *(11 32 13)*		
11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,462.88	574.09
		For Gas Unit, Add	*254.61*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,074.73	401.86
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	1,893.00	344.46
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	592.95	162.68
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,190.84	216.91
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	80.57	19.44
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	73.16	19.44
11 32 13 00-0009		42" Compact Kitchen *(11 32 13)*		
11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	2,859.54	631.51
		For Gas Unit, Add	*302.63*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,567.47	516.68
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	747.82	184.38
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,379.97	244.02
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	95.75	19.44
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	81.16	19.44
11 32 13 00-0016		54" Compact Kitchen *(11 32 13)*		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	3,859.56	803.74
		For Gas Unit, Add	*418.19*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	924.38	108.45
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,534.54	271.14
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	110.89	19.44
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.84	19.44
11 32 13 00-0022		60" Compact Kitchen *(11 32 13)*		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,063.57	861.14
		For Gas Unit, Add	*437.31*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,099.73	271.14
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	117.14	19.44
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.84	19.44
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,356.77	918.55
		For Gas Unit, Add	*469.81*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,341.97	325.37
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	136.14	24.31
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	89.25	24.31

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001		Frozen Food Cases *(11 41 13)*		
11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,485.15	344.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,917.37	344.60
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,737.76	344.60
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,795.12	344.60
11 41 13 00-0006		Reach-In Refrigeration *(11 41 13)*		
11 41 13 00-0007		Reach-In Refrigerators *(11 41 13 00-0006)*		
11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,572.24	180.19
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,093.34	227.27
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,833.76	251.08
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	5,955.46	180.19
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,749.60	227.27
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,317.79	251.08
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,909.07	180.19
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	10,705.20	227.27
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,098.27	180.19
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	11,675.57	227.27
11 41 13 00-0018	EA	One Section, 12.6 CF, Self-Closing, Double Pane Tempered Glass Door, Merchandiser Refrigerator (Summit SCR1400WLH)	1,616.67	55.51
11 41 13 00-0019	EA	One Section, 20.6 CF, Stainless Steel, Glass Door, Upright Refrigerator (Avantco SS-1R-G-HC 29)	2,326.61	55.51
11 41 13 00-0020		Reach-In Freezers *(11 41 13 00-0006)*		
11 41 13 00-0021	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	7,401.14	180.41
11 41 13 00-0022	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	9,818.78	226.94
11 41 23		**Walk-In-Coolers** *(11 41)*		
11 41 23 00-0001		Walk-In Refrigerated Boxes *(11 41 23)* Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.		
11 41 23 00-0002		Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,782.89	1,311.74
		For Refrigerated Boxes Without Floor, Deduct	*-4,258.40*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,553.57	1,475.70
		For Refrigerated Boxes Without Floor, Deduct	*-5,146.49*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,794.14	1,639.67
		For Refrigerated Boxes Without Floor, Deduct	*-5,401.98*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,775.70	1,967.61
		For Refrigerated Boxes Without Floor, Deduct	*-6,038.41*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,856.87	2,295.53
		For Refrigerated Boxes Without Floor, Deduct	*-6,949.45*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,007.30	2,623.47
		For Refrigerated Boxes Without Floor, Deduct	*-7,627.18*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,096.72	2,951.40
		For Refrigerated Boxes Without Floor, Deduct	*-8,290.38*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,837.51	1,639.67
		For Refrigerated Boxes Without Floor, Deduct	*-5,662.82*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,172.84	1,803.64
		For Refrigerated Boxes Without Floor, Deduct	*-6,192.16*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,500.39	2,131.56
		For Refrigerated Boxes Without Floor, Deduct	*-6,914.26*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,015.01	2,459.50
		For Refrigerated Boxes Without Floor, Deduct	*-7,933.92*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,406.65	2,787.43
		For Refrigerated Boxes Without Floor, Deduct	*-8,672.85*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,917.93	3,115.37
		For Refrigerated Boxes Without Floor, Deduct	*-9,440.84*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,307.71	3,443.30
		For Refrigerated Boxes Without Floor, Deduct	*-10,179.77*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,805.43	3,771.24
		For Refrigerated Boxes Without Floor, Deduct	*-10,943.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,212.34	4,099.17
		For Refrigerated Boxes Without Floor, Deduct	*-11,686.70*	
11 41 23 00-0019		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,894.11	1,967.61
		For Refrigerated Boxes Without Floor, Deduct	*-7,068.01*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,568.34	2,295.53
		For Refrigerated Boxes Without Floor, Deduct	*-7,877.31*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,419.45	2,623.47
		For Refrigerated Boxes Without Floor, Deduct	*-8,730.22*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,035.14	2,951.40
		For Refrigerated Boxes Without Floor, Deduct	*-9,524.99*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,953.56	3,279.33
		For Refrigerated Boxes Without Floor, Deduct	*-10,396.25*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,561.88	3,607.27
		For Refrigerated Boxes Without Floor, Deduct	*-11,187.19*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,496.32	3,935.20
		For Refrigerated Boxes Without Floor, Deduct	*-12,063.05*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,093.04	4,263.14
		For Refrigerated Boxes Without Floor, Deduct	*-12,853.23*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,016.10	4,591.07
		For Refrigerated Boxes Without Floor, Deduct	*-13,724.49*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,635.69	4,919.01
		For Refrigerated Boxes Without Floor, Deduct	*-14,519.26*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,777.75	5,410.91
		For Refrigerated Boxes Without Floor, Deduct	*-15,391.28*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,583.68	5,902.81
		For Refrigerated Boxes Without Floor, Deduct	*-16,181.46*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,273.63	2,459.50
		For Refrigerated Boxes Without Floor, Deduct	*-8,748.58*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,583.20	2,787.43
		For Refrigerated Boxes Without Floor, Deduct	*-9,716.99*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,507.55	3,115.37
		For Refrigerated Boxes Without Floor, Deduct	*-10,588.25*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,796.89	3,443.30
		For Refrigerated Boxes Without Floor, Deduct	*-11,552.07*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,741.34	3,771.24
		For Refrigerated Boxes Without Floor, Deduct	*-12,427.92*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,029.46	4,099.17
		For Refrigerated Boxes Without Floor, Deduct	*-13,390.98*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,947.04	4,427.10
		For Refrigerated Boxes Without Floor, Deduct	*-14,262.24*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,261.51	4,755.04
		For Refrigerated Boxes Without Floor, Deduct	*-15,230.65*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,296.99	5,164.96
		For Refrigerated Boxes Without Floor, Deduct	*-16,101.91*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,807.39	5,656.86
		For Refrigerated Boxes Without Floor, Deduct	*-17,065.73*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,964.66	6,148.76
		For Refrigerated Boxes Without Floor, Deduct	*-17,941.58*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,465.67	6,640.65
		For Refrigerated Boxes Without Floor, Deduct	*-18,904.64*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,599.74	7,132.55
		For Refrigerated Boxes Without Floor, Deduct	*-19,775.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0045		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,822.73	2,951.40
		For Refrigerated Boxes Without Floor, Deduct	*-11,721.88*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,677.43	3,279.33
		For Refrigerated Boxes Without Floor, Deduct	*-12,827.22*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,956.37	3,607.27
		For Refrigerated Boxes Without Floor, Deduct	*-14,035.82*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,811.79	3,935.20
		For Refrigerated Boxes Without Floor, Deduct	*-15,141.91*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,063.83	4,263.14
		For Refrigerated Boxes Without Floor, Deduct	*-16,345.92*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,944.60	4,591.07
		For Refrigerated Boxes Without Floor, Deduct	*-17,456.61*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,201.15	4,919.01
		For Refrigerated Boxes Without Floor, Deduct	*-18,660.62*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,279.49	5,410.91
		For Refrigerated Boxes Without Floor, Deduct	*-19,766.72*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,759.10	5,902.81
		For Refrigerated Boxes Without Floor, Deduct	*-20,975.32*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,862.53	6,394.70
		For Refrigerated Boxes Without Floor, Deduct	*-22,080.65*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,318.95	6,886.60
		For Refrigerated Boxes Without Floor, Deduct	*-23,285.43*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,419.40	7,296.52
		For Refrigerated Boxes Without Floor, Deduct	*-24,395.35*	
11 41 23 00-0058		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,080.69	3,443.30
		For Refrigerated Boxes Without Floor, Deduct	*-14,123.02*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,750.84	3,771.24
		For Refrigerated Boxes Without Floor, Deduct	*-15,430.30*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,226.14	4,099.17
		For Refrigerated Boxes Without Floor, Deduct	*-16,690.15*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,906.13	4,427.10
		For Refrigerated Boxes Without Floor, Deduct	*-18,002.01*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,386.37	4,755.04
		For Refrigerated Boxes Without Floor, Deduct	*-19,261.86*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,165.90	5,164.96
		For Refrigerated Boxes Without Floor, Deduct	*-20,569.14*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	94,878.78	5,656.86
		For Refrigerated Boxes Without Floor, Deduct	*-21,833.58*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,761.75	6,148.76
		For Refrigerated Boxes Without Floor, Deduct	*-23,140.85*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,449.94	6,640.65
		For Refrigerated Boxes Without Floor, Deduct	*-24,400.70*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	112,346.42	7,132.55
		For Refrigerated Boxes Without Floor, Deduct	*-25,712.57*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,606.95	3,935.20
		For Refrigerated Boxes Without Floor, Deduct	*-16,590.70*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,440.34	4,263.14
		For Refrigerated Boxes Without Floor, Deduct	*-17,940.05*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,603.14	4,591.07
		For Refrigerated Boxes Without Floor, Deduct	*-19,371.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,425.74	4,919.01
		For Refrigerated Boxes Without Floor, Deduct	*-20,716.77*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	95,819.78	5,410.91
		For Refrigerated Boxes Without Floor, Deduct	*-22,151.79*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	101,847.08	5,902.81
		For Refrigerated Boxes Without Floor, Deduct	*-23,497.31*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	108,253.96	6,394.70
		For Refrigerated Boxes Without Floor, Deduct	*-24,928.51*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	114,288.67	6,886.60
		For Refrigerated Boxes Without Floor, Deduct	*-26,277.86*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,674.21	7,378.50
		For Refrigerated Boxes Without Floor, Deduct	*-27,709.05*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	126,911.78	7,979.72
		For Refrigerated Boxes Without Floor, Deduct	*-29,054.57*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,890.52	1,311.74
		For Refrigerated Boxes Without Floor, Deduct	*-4,535.31*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,981.94	1,475.70
		For Refrigerated Boxes Without Floor, Deduct	*-5,253.58*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,201.62	1,639.67
		For Refrigerated Boxes Without Floor, Deduct	*-5,753.85*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,391.24	1,967.61
		For Refrigerated Boxes Without Floor, Deduct	*-6,442.29*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,564.21	2,295.53
		For Refrigerated Boxes Without Floor, Deduct	*-7,376.28*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,922.70	2,623.47
		For Refrigerated Boxes Without Floor, Deduct	*-8,106.03*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,103.91	2,951.40
		For Refrigerated Boxes Without Floor, Deduct	*-8,792.18*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,361.27	1,639.67
		For Refrigerated Boxes Without Floor, Deduct	*-6,043.76*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,788.38	1,803.64
		For Refrigerated Boxes Without Floor, Deduct	*-6,596.05*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,323.99	2,131.56
		For Refrigerated Boxes Without Floor, Deduct	*-7,370.16*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,930.41	2,459.50
		For Refrigerated Boxes Without Floor, Deduct	*-8,412.77*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,530.11	2,787.43
		For Refrigerated Boxes Without Floor, Deduct	*-9,203.71*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,133.19	3,115.37
		For Refrigerated Boxes Without Floor, Deduct	*-9,994.66*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,731.02	3,443.30
		For Refrigerated Boxes Without Floor, Deduct	*-10,785.60*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,320.54	3,771.24
		For Refrigerated Boxes Without Floor, Deduct	*-11,572.72*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,935.52	4,099.17
		For Refrigerated Boxes Without Floor, Deduct	*-12,367.49*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,601.45	1,967.61
		For Refrigerated Boxes Without Floor, Deduct	*-7,494.85*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,483.74	2,295.53
		For Refrigerated Boxes Without Floor, Deduct	*-8,356.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,426.64	2,623.47
		For Refrigerated Boxes Without Floor, Deduct	*-9,232.02*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,250.40	2,951.40
		For Refrigerated Boxes Without Floor, Deduct	*-10,078.80*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,260.61	3,279.33
		For Refrigerated Boxes Without Floor, Deduct	*-10,973.01*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,076.99	3,607.27
		For Refrigerated Boxes Without Floor, Deduct	*-11,815.97*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,103.22	3,935.20
		For Refrigerated Boxes Without Floor, Deduct	*-12,714.77*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,908.00	4,263.14
		For Refrigerated Boxes Without Floor, Deduct	*-13,556.97*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,922.86	4,591.07
		For Refrigerated Boxes Without Floor, Deduct	*-14,451.18*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,750.51	4,919.01
		For Refrigerated Boxes Without Floor, Deduct	*-15,297.96*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,984.36	5,410.91
		For Refrigerated Boxes Without Floor, Deduct	*-16,192.94*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,998.35	5,820.83
		For Refrigerated Boxes Without Floor, Deduct	*-17,035.13*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,397.10	2,459.50
		For Refrigerated Boxes Without Floor, Deduct	*-9,279.44*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,798.46	2,787.43
		For Refrigerated Boxes Without Floor, Deduct	*-10,270.80*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,930.87	3,115.37
		For Refrigerated Boxes Without Floor, Deduct	*-11,194.08*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,312.00	3,443.30
		For Refrigerated Boxes Without Floor, Deduct	*-12,180.85*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,464.51	3,771.24
		For Refrigerated Boxes Without Floor, Deduct	*-13,108.71*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,844.42	4,099.17
		For Refrigerated Boxes Without Floor, Deduct	*-14,094.72*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,970.06	4,427.10
		For Refrigerated Boxes Without Floor, Deduct	*-15,017.99*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,376.33	4,755.04
		For Refrigerated Boxes Without Floor, Deduct	*-16,009.35*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,619.88	5,164.96
		For Refrigerated Boxes Without Floor, Deduct	*-16,932.63*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,222.07	5,656.86
		For Refrigerated Boxes Without Floor, Deduct	*-17,919.40*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,587.40	6,148.76
		For Refrigerated Boxes Without Floor, Deduct	*-18,847.27*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,180.20	6,640.65
		For Refrigerated Boxes Without Floor, Deduct	*-19,833.27*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	92,522.33	7,132.55
		For Refrigerated Boxes Without Floor, Deduct	*-20,756.55*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,129.78	2,951.40
		For Refrigerated Boxes Without Floor, Deduct	*-12,298.65*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	58,192.54	3,279.33
		For Refrigerated Boxes Without Floor, Deduct	*-13,455.99*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,563.27	3,607.27
		For Refrigerated Boxes Without Floor, Deduct	*-14,687.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,626.76	3,935.20
		For Refrigerated Boxes Without Floor, Deduct	*-15,845.66*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,970.59	4,263.14
		For Refrigerated Boxes Without Floor, Deduct	*-17,072.61*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,059.42	4,591.07
		For Refrigerated Boxes Without Floor, Deduct	*-18,235.32*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,407.76	4,919.01
		For Refrigerated Boxes Without Floor, Deduct	*-19,462.27*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,694.17	5,410.91
		For Refrigerated Boxes Without Floor, Deduct	*-20,620.39*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	95,265.57	5,902.81
		For Refrigerated Boxes Without Floor, Deduct	*-21,851.94*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,577.06	6,394.70
		For Refrigerated Boxes Without Floor, Deduct	*-23,009.28*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,125.27	6,886.60
		For Refrigerated Boxes Without Floor, Deduct	*-24,237.01*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,433.78	7,378.50
		For Refrigerated Boxes Without Floor, Deduct	*-25,398.94*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,803.86	3,443.30
		For Refrigerated Boxes Without Floor, Deduct	*-14,803.81*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,565.80	3,771.24
		For Refrigerated Boxes Without Floor, Deduct	*-16,134.04*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,249.16	4,099.17
		For Refrigerated Boxes Without Floor, Deduct	*-17,445.90*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,020.95	4,427.10
		For Refrigerated Boxes Without Floor, Deduct	*-18,780.72*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,709.25	4,755.04
		For Refrigerated Boxes Without Floor, Deduct	*-20,092.58*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	92,580.58	5,164.96
		For Refrigerated Boxes Without Floor, Deduct	*-21,422.81*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	98,501.52	5,656.86
		For Refrigerated Boxes Without Floor, Deduct	*-22,739.26*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	104,476.28	6,148.76
		For Refrigerated Boxes Without Floor, Deduct	*-24,069.49*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	110,372.53	6,640.65
		For Refrigerated Boxes Without Floor, Deduct	*-25,381.35*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,360.80	7,132.55
		For Refrigerated Boxes Without Floor, Deduct	*-26,716.16*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,513.71	3,935.20
		For Refrigerated Boxes Without Floor, Deduct	*-17,317.39*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,555.16	4,263.14
		For Refrigerated Boxes Without Floor, Deduct	*-18,718.76*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,809.76	4,591.07
		For Refrigerated Boxes Without Floor, Deduct	*-20,172.90*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	92,840.42	4,919.01
		For Refrigerated Boxes Without Floor, Deduct	*-21,570.44*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,326.24	5,410.91
		For Refrigerated Boxes Without Floor, Deduct	*-23,028.41*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	105,561.61	5,902.81
		For Refrigerated Boxes Without Floor, Deduct	*-24,425.95*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	112,060.28	6,394.70
		For Refrigerated Boxes Without Floor, Deduct	*-25,880.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	118,303.06	6,886.60
		For Refrigerated Boxes Without Floor, Deduct	*-27,281.45*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	124,780.39	7,378.50
		For Refrigerated Boxes Without Floor, Deduct	*-28,735.60*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	131,226.02	7,979.72
		For Refrigerated Boxes Without Floor, Deduct	*-30,133.13*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.30	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.41	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.38	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	23.87	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	31.21	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	3.85	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.47	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.24	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	12.85	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-17.26	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.20	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	18.68	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	16.38	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	53.09	

11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,908.07	158.60
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,176.79	185.04
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,965.57	211.47
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,430.51	237.90
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,083.18	264.33
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,952.99	317.20
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,828.35	370.06
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,606.12	422.93

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,974.16	211.47
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,430.51	237.90
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,160.45	264.33
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,861.01	317.20
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,828.35	370.06
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,499.41	422.93

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,208.49	158.60
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,633.78	185.04
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,343.72	211.47
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,568.29	237.90
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,977.22	264.33
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,808.49	317.20
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,099.77	370.06
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,737.04	422.93

11 41 23 00-0199 208/230 Volt, 3 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,308.02	211.47
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,582.76	237.90
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,052.48	264.33
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,737.09	317.20
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,121.96	370.06
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,648.28	422.93

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0206		**Low Temperature Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		**208/230 Volt, 1 Phase** *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,583.89	158.60
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,782.69	185.04
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,051.43	211.47
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,457.50	237.90
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,023.08	264.33
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,290.29	317.20
11 41 23 00-0214		**208/230 Volt, 3 Phase** *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,060.02	211.47
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,457.50	237.90
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,102.81	264.33
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,201.98	317.20
11 41 23 00-0219		**Low Temperature Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		**208/230 Volt, 1 Phase** *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,956.26	158.60
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,031.30	185.04
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,304.16	211.47
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,749.68	237.90
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,273.44	264.33
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,062.25	317.20
11 41 23 00-0227		**208/230 Volt, 3 Phase** *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,478.80	211.47
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,835.56	237.90
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,342.91	264.33
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,991.81	317.20
11 41 23 00-0232		**Medium Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		**208/230 Volt, 1 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,337.21	211.47
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	14,535.05	422.93
11 41 23 00-0236		**208/230 Volt, 3 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,342.12	211.47
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,785.59	264.33
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,973.91	317.20
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,335.13	422.93
11 41 23 00-0241		**Medium Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		**208/230 Volt, 1 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,561.77	211.47
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,715.16	422.93
11 41 23 00-0245		**208/230 Volt, 3 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,571.42	211.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,578.33	264.33
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,462.82	317.20
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,394.27	422.93
11 41 23 00-0250		Low Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		208/230 Volt, 1 Phase *(11 41 23 00-0250)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,495.30	185.04
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,933.30	211.47
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,140.28	237.90
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,435.65	264.33
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,936.73	317.20
11 41 23 00-0257		208/230 Volt, 3 Phase *(11 41 23 00-0250)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,460.96	185.04
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,928.39	211.47
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,093.68	237.90
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,354.70	264.33
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,506.22	317.20
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,119.55	370.06
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,964.97	475.80
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	24,509.72	555.10
11 41 23 00-0266		Low Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		208/230 Volt, 1 Phase *(11 41 23 00-0266)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,712.49	185.04
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,990.17	211.47
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,969.27	237.90
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,006.32	264.33
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,028.23	317.20
11 41 23 00-0273		208/230 Volt, 3 Phase *(11 41 23 00-0266)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,627.58	185.04
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,994.03	211.47
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,954.79	237.90
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,934.93	264.33
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,722.37	317.20
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,166.25	370.06
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,961.29	475.80
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	21,042.25	555.10
11 41 23 00-0282		Walk-In Refrigerated Boxes Accessories *(11 41 23)*		
11 41 23 00-0283		Accessories *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door	1,402.53	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA	Super Door Package, For 48" Door	1,980.83	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA	Super Door Package, For 60" Door	1,980.83	
		Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,366.99	
11 41 23 00-0288	EA	Heated Air Vent, Kason	760.62	
11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC)	1,999.82	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,016.07	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,306.74	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,643.32	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,161.86	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,214.41	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,214.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	213.55	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,305.88	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	2,988.74	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,144.78	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,458.87	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	788.78	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	911.17	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	911.17	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler)	1,682.23	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer)	2,086.11	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,395.48	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,591.30	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,695.33	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	168.29	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	137.69	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	425.30	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	229.48	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	516.89	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	370.02	
11 41 23 00-0315	EA	4" Screed Door	889.13	
11 41 23 00-0316	EA	Doors Cut For Tile	1,109.43	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,109.43	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,728.04	
11 41 23 00-0319	EA	57-1/2" Door Section	653.53	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	620.50	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	312.98	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	590.12	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	761.46	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	78.57	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	103.82	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	153.54	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	249.15	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	41.88	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	8.06	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	53.55	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	18.87	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	82.61	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	101.88	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	41.07	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	16.83	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	51.01	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	97.38	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	119.00	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	646.49	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	576.12	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	1,956.06	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	172.23	
11 41 23 00-0343	LF	Extra Capillary Tubing	25.71	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High	7,073.29	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*348.20*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High	7,709.06	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*379.71*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High	7,928.71	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*390.42*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High	8,576.73	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*422.55*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High	8,392.48	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*413.07*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High	9,025.20	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*444.43*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High	9,214.24	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*453.61*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High	10,116.22	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*498.43*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High	9,711.68	
		Note: Galvalume both sides.		
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*477.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,347.45	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*509.45*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,582.40	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*520.92*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,221.23	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*552.59*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	12,946.63	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*638.59*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	7,728.08	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*380.94*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,265.93	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*407.56*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,525.36	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*420.26*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,243.75	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*455.90*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,022.79	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*444.58*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,738.12	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*480.07*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,000.60	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*492.93*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,715.93	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*528.42*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,494.98	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*517.10*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,210.30	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*552.59*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,472.79	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*565.44*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,188.11	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*600.93*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,967.15	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*589.61*	
11 41 23 00-0371		Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)* Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,038.33	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,319.82	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,347.36	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,702.29	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,063.34	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,320.36	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,335.66	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,045.52	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,130.66	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,115.89	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,461.64	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,577.92	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,290.84	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	6,982.34	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,110.85	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	7,585.11	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,261.69	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,436.09	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,620.21	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	3,962.37	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,399.91	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,604.92	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,620.21	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,501.42	
11 41 23 00-0396		Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*		
11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,024.38	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,078.81	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,206.66	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,273.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,382.16	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,188.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,215.84	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,346.76	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,407.30	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,610.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,298.45	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,310.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,502.15	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,507.61	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,741.90	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	865.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	907.46	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	998.59	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,016.30	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,161.86	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	956.42	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,026.13	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,086.68	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,098.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,301.95	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,053.67	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,092.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,174.76	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,216.94	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,426.75	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,494.07	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,783.90	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,838.38	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,892.88	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,501.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,617.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,779.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,079.18	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,202.31	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,919.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,828.58	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,088.98	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,388.61	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,511.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,463.97	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,206.01	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,303.27	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,415.82	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,519.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,646.40	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,440.96	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,473.96	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,632.40	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,711.31	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,960.90	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,574.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,623.22	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,803.10	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,839.17	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,119.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,013.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,064.61	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,177.16	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,197.92	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,377.15	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,153.34	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,235.30	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,418.22	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,399.21	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,569.25	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,272.01	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,320.31	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,423.69	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,472.00	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,733.83	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,044.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,405.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,472.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,539.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,297.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,197.41	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,398.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,772.13	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,924.68	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,818.08	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,460.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,784.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,157.56	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,310.10	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,497.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0487		Replace Insulated Wall For Walk-In Refrigerated Boxes *(11 41 23)*		
11 41 23 00-0488	SF	Removal And Replacement Of Galvalume Insulated Freezer Wall Panels	71.27	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*2.96*	
11 41 23 00-0489	SF	Removal and Replacement Of Galvalume Insulated Freezer Ceiling Panels	73.70	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*2.96*	
11 41 31		**Non-Refrigerated Storage Equipment** *(11 41)*		
11 41 31 00-0001		Wall Cabinets *(11 41 31)*		
11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,395.79	84.70
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,161.19	111.81
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,628.40	128.19
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,322.17	81.77
11 41 31 00-0006		Mobile Sheet Pan Truck *(11 41 31)*		
11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	223.68	7.19
11 41 31 00-0008		Pot And Utensil Rack *(11 41 31)*		
11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	652.56	21.93
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	756.31	24.78
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	899.15	29.69
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	488.98	16.22
11 41 31 00-0013		Tray And Silverware Cart *(11 41 31)*		
11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	2,257.12	74.01
11 41 31 00-0015		Flat Top Utility Units *(11 41 31)*		
11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,538.91	50.59
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,062.25	67.61
11 41 33		**Foodservice Shelving** *(11 41)*		
11 41 33 00-0001		Shelving/Racks *(11 41 33)*		
11 41 33 00-0002		Chrome Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0003		54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	363.64	39.16
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	383.86	39.49
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	408.95	39.81
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	424.43	40.14
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	454.24	40.47
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	479.42	40.79
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	499.63	41.11
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	544.94	41.76
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	398.29	39.49
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	413.77	39.81
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	429.27	40.14
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	473.61	40.47
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	503.51	40.79
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	542.99	41.11
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	558.38	41.43
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	613.47	42.08
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	418.61	39.81
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	453.27	40.14
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	478.45	40.47
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	508.26	40.79
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	528.56	41.11
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	577.75	41.43
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	602.81	41.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	667.47	42.40
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	463.05	40.14
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	483.29	40.47
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	498.67	40.79
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	538.25	41.11
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	563.32	41.43
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	612.50	41.76
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	647.14	42.08
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	731.15	42.72
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	618.30	40.47
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	696.29	40.79
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	745.55	41.11
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	857.45	41.43
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	684.79	41.76
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	758.16	42.08
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	850.61	42.40
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	1,000.30	43.05
11 41 33 00-0044		**63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	368.39	39.16
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	388.61	39.49
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	413.67	39.81
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	429.18	40.14
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.98	40.47
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	484.14	40.79
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	504.37	41.11
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	549.66	41.76
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	403.01	39.49
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	418.51	39.81
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	434.02	40.14
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	478.33	40.47
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	508.26	40.79
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	547.71	41.11
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	563.12	41.43
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	571.35	42.08
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	423.35	39.81
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.01	40.14
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	483.17	40.47
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	512.98	40.79
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	533.31	41.11
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	582.47	41.43
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	607.55	41.76
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	672.22	42.40
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	467.79	40.14
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	488.01	40.47
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	503.41	40.79
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	542.99	41.11
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	568.06	41.43
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	617.22	41.76
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	651.86	42.08
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	735.90	42.72
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	623.02	40.47
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	701.03	40.79
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	750.27	41.11
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	862.17	41.43
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	689.51	41.76
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	762.88	42.08
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	855.41	42.40
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	1,005.02	43.05
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	370.86	39.16
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	391.08	39.49
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	416.14	39.81
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	431.65	40.14
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	461.45	40.47
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	486.61	40.79
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	506.84	41.11
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	552.13	41.76
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	405.51	39.49
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	420.98	39.81
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	436.49	40.14
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	480.82	40.47
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	510.73	40.79
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	550.18	41.11
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	565.59	41.43
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	620.68	42.08
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	425.82	39.81
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	460.48	40.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	485.64	40.47
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	515.45	40.79
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	535.78	41.11
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	584.94	41.43
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	610.03	41.76
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	674.69	42.40
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	470.26	40.14
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	490.48	40.47
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	505.88	40.79
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	545.46	41.11
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	570.53	41.43
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	619.71	41.76
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	654.33	42.08
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	738.37	42.72
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	625.49	40.47
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	703.50	40.79
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	752.77	41.11
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	864.64	41.43
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	691.98	41.76
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	765.35	42.08
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	857.85	42.40
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	1,007.49	43.05
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	378.05	39.16
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	398.29	39.49
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	423.35	39.81
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	438.86	40.14
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	468.67	40.47
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	493.83	40.79
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	514.06	41.11
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	559.35	41.76
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	412.70	39.49
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	428.20	39.81
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	443.70	40.14
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	488.01	40.47
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	517.92	40.79
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	557.40	41.11
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	572.81	41.43
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	627.87	42.08
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	433.04	39.81
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	467.70	40.14
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	492.86	40.47
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	522.66	40.79
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	542.99	41.11
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	592.15	41.43
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	617.22	41.76
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	681.90	42.40
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	477.48	40.14
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	497.70	40.47
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	513.10	40.79
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	552.65	41.11
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	577.75	41.43
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	626.90	41.76
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	661.55	42.08
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	745.58	42.72
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	632.71	40.47
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	710.72	40.79
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	759.96	41.11
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	871.86	41.43
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	699.20	41.76
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	772.56	42.08
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	865.09	42.40
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	1,014.71	43.05
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	397.32	39.16
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	417.54	39.49
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	442.60	39.81
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	458.11	40.14
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	487.92	40.47
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	513.10	40.79
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	533.31	41.11
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	578.62	41.76
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	431.97	39.49
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	447.44	39.81
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	462.95	40.14
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	507.29	40.47
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	537.19	40.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	576.67	41.11
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	592.06	41.43
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	647.14	42.08
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	452.29	39.81
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	486.95	40.14
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	512.13	40.47
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	541.91	40.79
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	562.24	41.11
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	611.43	41.43
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	636.49	41.76
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	701.15	42.40
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	496.73	40.14
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	516.95	40.47
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	532.35	40.79
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	571.93	41.11
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	597.00	41.43
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	646.17	41.76
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	680.80	42.08
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	764.83	42.72
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	651.96	40.47
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	729.97	40.79
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	779.23	41.11
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	891.10	41.43
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	718.45	41.76
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	791.81	42.08
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	884.36	42.40
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	1,033.96	43.05
11 41 33 00-0208		96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	468.45	39.16
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	493.48	39.49
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	524.58	39.81
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	543.71	40.14
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	580.73	40.47
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	611.96	40.79
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	636.98	41.11
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	693.13	41.76
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	511.51	39.49
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	530.63	39.81
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	549.75	40.14
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	604.92	40.47
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	642.07	40.79
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	691.18	41.11
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	710.16	41.43
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	778.53	42.08
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	536.69	39.81
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	579.76	40.14
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	610.99	40.47
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	647.98	40.79
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	673.16	41.11
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	734.38	41.43
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	765.48	41.76
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	845.82	42.40
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	591.99	40.14
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	617.03	40.47
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	636.02	40.79
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	685.26	41.11
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	716.35	41.43
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	777.56	41.76
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	820.62	42.08
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	925.18	42.72
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	785.79	40.47
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	883.05	40.79
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	944.37	41.11
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,084.01	41.43
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	867.93	41.76
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	959.40	42.08
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,074.82	42.40
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,261.34	43.05
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	412.77	39.16
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	434.41	39.49
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	461.32	39.81
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	482.97	40.14
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	515.06	40.47
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	541.86	40.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	568.76	41.11
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	612.04	41.76
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	449.92	39.49
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	466.50	39.81
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	498.48	40.14
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	535.73	40.47
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	567.80	40.79
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	610.09	41.11
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	642.20	41.43
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	690.82	42.08
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	471.66	39.81
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	514.09	40.14
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	540.69	40.47
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	572.98	40.79
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	594.61	41.11
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	652.53	41.43
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	679.44	41.76
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	759.01	42.40
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	524.43	40.14
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	546.06	40.47
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	562.65	40.79
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	604.94	41.11
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	652.53	41.43
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	705.27	41.76
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	747.69	42.08
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	842.86	42.72
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	423.11	39.16
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	444.74	39.49
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	471.66	39.81
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	493.30	40.14
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	525.40	40.47
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	552.19	40.79
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	579.09	41.11
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	622.38	41.76
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	460.26	39.49
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	476.84	39.81
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	508.82	40.14
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	546.06	40.47
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	578.13	40.79
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	620.43	41.11
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	652.53	41.43
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	701.08	42.08
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	481.99	39.81
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	524.43	40.14
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	551.22	40.47
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	583.31	40.79
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	604.94	41.11
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	662.86	41.43
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	689.78	41.76
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	769.34	42.40
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	534.76	40.14
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	556.40	40.47
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	572.98	40.79
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	615.27	41.11
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	662.86	41.43
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	715.60	41.76
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	758.03	42.08
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	853.20	42.72
11 41 33 00-0316		74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	433.44	39.16
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	455.08	39.49
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	481.99	39.81
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	503.64	40.14
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	535.73	40.47
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	562.52	40.79
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	589.43	41.11
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	632.71	41.76
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	470.59	39.49
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	487.17	39.81
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	519.15	40.14
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	556.40	40.47
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	588.47	40.79
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	630.76	41.11
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	662.86	41.43
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	711.41	42.08
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	492.32	39.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	534.76	40.14
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	561.55	40.47
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	593.65	40.79
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	615.27	41.11
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	673.20	41.43
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	700.11	41.76
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	779.67	42.40
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	545.09	40.14
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	566.73	40.47
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	583.31	40.79
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	625.61	41.11
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	673.20	41.43
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	725.93	41.76
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	768.36	42.08
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	863.53	42.72
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	459.38	39.16
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	481.02	39.49
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	507.94	39.81
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	529.58	40.14
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	561.68	40.47
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	588.47	40.79
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	615.37	41.11
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	658.65	41.76
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.53	39.49
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	513.11	39.81
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	545.09	40.14
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	582.34	40.47
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	614.41	40.79
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	656.70	41.11
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	688.81	41.43
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	737.36	42.08
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	518.27	39.81
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	560.71	40.14
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	587.50	40.47
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	619.59	40.79
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	641.22	41.11
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	699.14	41.43
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	726.06	41.76
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	805.62	42.40
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	571.04	40.14
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	592.68	40.47
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	609.26	40.79
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	651.55	41.11
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	699.14	41.43
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	751.88	41.76
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	794.30	42.08
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	889.47	42.72
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	793.64	40.14
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	873.29	40.79
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	978.78	41.43
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,042.85	42.08
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	868.03	40.79
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,004.63	41.43
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,110.12	42.08
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,267.39	42.72
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	803.97	40.14
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	883.64	40.79
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	989.12	41.43
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,053.18	42.08
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	878.37	40.79
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,014.96	41.43
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,120.46	42.08
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,277.73	42.72
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	814.30	40.14
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	893.98	40.79
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	999.47	41.43
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,063.51	42.08
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	888.70	40.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,025.30	41.43
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,130.79	42.08
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,288.09	42.72
11 41 33 00-0409		86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	840.25	40.14
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	919.90	40.79
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,025.39	41.43
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,089.46	42.08
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	914.65	40.79
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,051.24	41.43
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,156.73	42.08
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,314.01	42.72
11 41 33 00-0418		Stainless Steel Shelving Unit *(11 41 33 00-0001)*		
11 41 33 00-0419		63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,017.68	40.14
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,188.99	40.79
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,405.57	41.43
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,632.42	42.08
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,203.37	40.79
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,399.92	41.43
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,657.67	42.08
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,998.26	42.72
11 41 33 00-0428		74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,053.72	40.14
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,225.03	40.79
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,446.74	41.43
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,668.44	42.08
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,239.41	40.79
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,435.94	41.43
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,693.69	42.08
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,034.30	42.72
11 41 33 00-0437		86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,089.74	40.14
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,261.05	40.79
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,482.76	41.43
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,704.48	42.08
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,275.43	40.79
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,471.98	41.43
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,729.73	42.08
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,070.32	42.72
11 41 33 00-0446		63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,689.46	40.14
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,869.84	40.79
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,109.45	41.43
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,253.99	42.08
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,027.88	40.79
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,392.28	41.43
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,657.93	42.08
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	3,055.42	42.72
11 41 33 00-0455		74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,741.22	40.14
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,924.75	40.79
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,168.60	41.43
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,315.60	42.08
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,079.67	40.79
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,444.05	41.43
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,712.62	42.08
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	3,114.58	42.72
11 41 33 00-0464		86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,793.01	40.14
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,975.53	40.79
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,218.11	41.43
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,364.42	42.08
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,131.44	40.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,495.84	41.43
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,762.74	42.08
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	3,162.10	42.72
11 41 33 00-0473		Galvanized Steel Dunnage Rack *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	271.48	28.87
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	286.04	29.67
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	302.64	30.48
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	333.38	31.28
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	360.07	32.08
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	291.70	28.87
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	318.40	29.67
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	334.99	30.48
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	363.71	31.28
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	396.47	32.08
11 41 33 00-0484		Stainless Steel Dunnage Rack *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	724.09	30.48
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	907.14	31.28
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,530.94	32.08
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	791.71	30.48
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	985.44	31.28
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,669.14	32.08
11 41 33 00-0491		Mobile Racks *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	1,932.14	48.60
11 41 33 00-0493		Can Racks *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,055.47	48.60
11 42		**Food Preparation Equipment** *(11 40)*		
11 42 13		**Food Preparation Appliances** *(11 42)*		
11 42 13 00-0001		Vertical Cutter Mixers *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	11,324.83	243.50
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	13,088.76	270.56
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	16,262.48	389.60
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	18,177.64	487.00
11 42 13 00-0006		Choppers *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 LB	2,879.19	216.44
11 42 13 00-0008	EA	Choppers, 16 LB	4,221.24	281.38
11 42 13 00-0009	EA	Choppers, 35 LB - 40 LB	8,122.51	346.31
11 42 13 00-0010	EA	Choppers, 35 LB - 40 LB/Min, 2 HP	6,733.52	307.67
11 42 13 00-0011	EA	Choppers, 35 LB - 40 LB/Min, 3 HP	7,631.32	307.67
11 42 13 00-0012		Stand Model Mixer *(11 42 13)*		
11 42 13 00-0013	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,324.38	86.40
11 42 13 00-0014	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,653.88	86.40
11 42 13 00-0015	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,408.45	86.40
11 42 13 00-0016	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,364.54	102.81
11 42 13 00-0017		Floor Model Mixer *(11 42 13)*		
11 42 13 00-0018	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,466.09	86.40
11 42 13 00-0019	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	4,803.30	96.02
11 42 13 00-0020	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,286.97	108.00
11 42 13 00-0021	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	17,803.87	102.81
11 42 13 00-0022	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	21,859.04	105.51
11 42 13 00-0023	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	27,840.89	108.22
11 42 13 00-0024	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	41,115.62	135.27
11 42 13 00-0025	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	52,666.80	173.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0026		Slicers *(11 42 13)*		
11 42 13 00-0027	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	656.36	27.00
11 42 13 00-0028	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	956.35	27.00
11 42 13 00-0029	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,378.00	27.00
11 42 13 00-0030	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,341.77	27.00
11 42 13 00-0031	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,582.72	27.00
11 42 13 00-0032	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	6,829.87	27.00
11 42 13 00-0033		Peelers *(11 42 13)*		
11 42 13 00-0034	EA	22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10)	3,697.34	175.86
11 42 13 00-0035	EA	44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20)	4,270.84	205.08
11 42 13 00-0036	EA	66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30)	6,618.40	234.52
11 42 13 00-0037	EA	20 Lb, 115 Voltage, Potato Peeler (Hobart 6115)	5,903.36	175.86
11 42 13 00-0038	EA	40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1)	11,957.11	205.08
11 42 13 00-0039	EA	60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1)	12,735.86	234.52
11 42 13 00-0040		Proof Boxes *(11 42 13)*		
11 42 13 00-0041	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,540.89	74.01
11 42 13 00-0042	EA	30-1/2" x 45", Stainless Steel Proof Box	5,924.88	124.03
11 42 13 00-0043	EA	30-1/2" x 45", Galvanized Proof Box	3,333.50	56.30
11 42 13 00-0044		Non-Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0045	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,153.00	70.92
11 42 13 00-0046	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,309.62	75.83
11 42 13 00-0047	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,138.40	70.35
11 42 13 00-0048	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,266.41	74.58
11 42 13 00-0049		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0050	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	3,506.19	124.08
11 42 13 00-0051	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	3,664.02	129.71
11 42 13 00-0052		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		
11 42 13 00-0053	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,536.55	227.27
11 42 13 00-0054	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,018.48	227.27
11 42 13 00-0055	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,239.66	238.08
11 42 13 00-0056	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,224.10	238.08
11 42 16		**Food Preparation Surfaces** ***(11 42)***		
11 42 16 00-0001		Tables *(11 42 16)*		
11 42 16 00-0002		Baker's Table *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	852.33	55.31
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,672.85	108.45
11 42 16 00-0005	EA	10' Undershelf Baker's Table	2,064.03	133.83
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,213.78	143.71
11 42 16 00-0007	EA	10' Bins Baker's Table	3,257.06	211.49
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,114.49	331.98
11 42 16 00-0009		Preparation Table, Stainless Steel, With Undershelf *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	1,298.27	29.17
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Undershelf	1,398.03	35.03
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	2,114.79	47.62
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,367.01	30.69
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,756.99	39.48
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,509.24	33.95
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,816.64	40.89
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	366.99	8.24
11 42 16 00-0019		Mobile Tables *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,196.26	26.13
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,724.32	31.35
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,564.34	35.24
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,793.88	62.91
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,266.20	50.97
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	188.09	4.23
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	275.22	6.18
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,527.25	115.91
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	10,996.00	231.26
11 42 16 00-0030		Basic Table *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	292.72	27.02
11 42 16 00-0032		Table With Sink *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	361.79	44.10

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001		Stainless Steel Scullery Sinks *(11 42 23)* Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard	2,562.66	185.04
		For Additional Drain Board, Add	*235.12*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	3,636.90	211.47
		For Additional Drain Board, Add	*337.26*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard	4,827.12	211.47
		For Additional Drain Board, Add	*450.99*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard	6,894.58	211.47
		For Additional Drain Board, Add	*647.17*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard	4,261.21	211.47
11 42 23 00-0007	EA	36" Wide, Double 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-2-36-X)	1,386.79	185.04
11 42 23 00-0008	EA	39" Wide, Double 16" Length x 20" Width x 12" Depth, 18 Gauge, Stainless Steel Scullery Sink (Elkay E2C16X20-0X)	1,393.75	185.04
11 42 23 00-0009	EA	54" Wide, Triple 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-3-54-X)	1,662.19	211.47

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001		Range *(11 44 13)*		
11 44 13 00-0002	EA	Heavy Duty Range, With 34" Open Top Oven	3,361.78	108.22
11 44 13 00-0003	EA	Range With Fry Top	3,361.78	108.22
11 44 13 00-0004	EA	Steel Finish Fry Top	7,194.16	139.21
11 44 13 00-0005	EA	Stainless Top Only Fry Top	7,191.60	137.62
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	8,309.59	160.23
11 44 13 00-0007	EA	Gas Range, Vulcan #260L Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.	7,486.03	142.75
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,095.35	97.21

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001		Bake Oven *(11 44 16)*		
11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	19,101.07	382.83
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	19,101.07	382.83
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	25,879.19	382.83
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	25,879.19	382.83
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	36,946.16	437.53
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	36,946.16	437.53
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	54,032.77	437.53
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	54,032.77	437.53
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	58,734.28	546.90
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	58,734.28	546.90
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	82,601.32	546.90
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	82,601.32	546.90
11 44 16 00-0014		Rapid-Cook Countertop Bake Ovens *(11 44 16)*		
11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	11,347.44	24.31
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	6,729.85	24.31
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	5,298.84	24.31
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	8,084.18	24.31
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	8,414.20	24.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	8,414.20	24.31
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	8,414.20	24.31
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	8,414.20	24.31
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	8,414.20	24.31
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	15,662.38	24.31
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	14,520.31	24.31
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	7,751.42	24.31
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	6,334.10	24.31
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	6,888.70	24.31
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	16,484.02	24.31
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	14,714.77	24.31
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	10,288.90	24.31
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	20,716.80	24.31
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	20,716.80	24.31
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	21,483.66	24.31
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	21,483.66	24.31
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	11,387.15	24.31
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	11,347.44	24.31
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	13,843.83	24.31
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	12,058.15	24.31
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	13,474.10	24.31
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	14,130.04	24.31
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	12,510.05	24.31
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	15,210.49	24.31
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	15,888.33	24.31
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	12,003.37	24.31
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	11,524.09	24.31
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	11,524.09	24.31
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	12,140.31	24.31
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	12,140.31	24.31
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	13,193.37	24.31
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	17,679.50	24.31
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	17,679.50	24.31
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	18,418.97	24.31
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	18,418.97	24.31
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	16,571.66	24.31
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	12,455.27	24.31

11 44 16 00-0057 Combination Ovens *(11 44 16)*

Note: Convection, steam and combination modes.

11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	24,375.28	189.38
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	39,986.13	216.44
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	33,033.97	216.44
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	79,717.82	270.56
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	60,522.33	270.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0063		**Countertop Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0064	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	265.39	12.15
11 44 16 00-0065	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	429.23	12.15
11 44 16 00-0066	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	505.53	12.15
11 44 16 00-0067	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	650.19	12.15
11 44 16 00-0068	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,180.59	12.15
11 44 16 00-0069	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,373.46	12.15
11 44 16 00-0070	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	236.46	12.15
11 44 16 00-0071	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	390.76	12.15
11 44 16 00-0072	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,112.17	12.15
11 44 16 00-0073	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	1,011.97	12.15
11 44 16 00-0074	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,375.20	12.15
11 44 16 00-0075	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,228.96	12.15
11 44 16 00-0076		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0077	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,471.95	48.61
11 44 16 00-0078	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	8,869.71	97.21
11 44 16 00-0079	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,869.71	97.21
11 44 16 00-0080	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,869.71	97.21
11 44 16 00-0081	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,869.71	97.21
11 44 16 00-0082	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,637.37	97.21
11 44 16 00-0083	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,318.68	48.61
11 44 16 00-0084	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,318.68	48.61
11 44 16 00-0085	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,032.26	48.61
11 44 16 00-0086	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,318.68	48.61
11 44 16 00-0087	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,318.68	48.61
11 44 16 00-0088	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,064.53	97.21
11 44 16 00-0089	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,833.44	48.61
11 44 16 00-0090	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,666.89	97.21
11 44 16 00-0091	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,637.37	97.21
11 44 16 00-0092	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,517.07	97.21
11 44 16 00-0093		**Natural Gas Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0094	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	5,142.37	48.61
11 44 16 00-0095	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	10,199.16	97.21
11 44 16 00-0096	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	17,596.81	97.21
11 44 16 00-0097	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	16,850.69	97.21
11 44 16 00-0098	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	15,731.49	97.21
11 44 16 00-0099	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,798.40	48.61
11 44 16 00-0100	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,895.62	97.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0101	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	24,595.08	97.21
11 44 16 00-0102	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,865.74	48.61
11 44 16 00-0103	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	21,568.86	97.21
11 44 16 00-0104	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	32,058.57	97.21
11 44 16 00-0105	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	24,595.08	97.21
11 44 16 00-0106	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	20,142.43	97.21
11 44 16 00-0107	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	17,925.99	97.21
11 44 16 00-0108	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	8,425.34	48.61
11 44 16 00-0109		**Liquid Propane Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0110	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L)	10,199.16	97.21
11 44 16 00-0111	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP)	17,596.81	97.21
11 44 16 00-0112	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K)	8,798.40	48.61
11 44 16 00-0113	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP)	33,217.27	97.21
11 44 16 00-0114	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	15,731.49	97.21
11 44 16 00-0115	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP)	16,850.69	97.21
11 44 16 00-0116	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL)	8,425.34	48.61
11 44 16 00-0117	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,865.74	48.61
11 44 16 00-0118		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0119	EA	69" x 26" x 39" Broiler Without Oven	9,384.45	173.16
11 44 16 00-0120	EA	Conveyor Broiler	8,324.88	200.96
11 44 16 00-0121		**Oven Stands** *(11 44 16)*		
11 44 16 00-0122	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,934.62	
11 44 16 00-0123		**Triple Conveyor Oven** *(11 44 16)*		
11 44 16 00-0124	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,396.43	194.43
11 44 16 00-0125	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,396.43	194.43
11 44 16 00-0126	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,980.55	194.43
11 44 16 00-0127	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,361.47	194.43
11 44 16 00-0128	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,361.47	194.43
11 44 16 00-0129	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,980.55	194.43
11 44 16 00-0130	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,980.55	194.43
11 44 16 00-0131		**Countertop Pizza Oven** *(11 44 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0132	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	7,714.45	24.31
11 44 16 00-0133		**Rotary Deck Pizza Oven** *(11 44 16)*		
11 44 16 00-0134	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	38,189.31	97.21
11 44 19		**Commercial Cooking Equipment** *(11 44)*		
11 44 19 00-0001		**Drop-In Electric Griddle** *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,283.18	148.81
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,088.93	148.81
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	6,968.70	162.33
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,337.35	162.33
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	10,684.66	175.86
11 44 19 00-0007		**Countertop Griddle** *(11 44 19)*		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	531.36	139.24
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	663.36	139.24
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	740.36	139.24
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	937.27	139.24
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,019.22	139.24
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,313.25	139.24
11 44 19 00-0014		**Panini Sandwich Grill** *(11 44 19)*		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	620.94	97.21
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	481.09	97.21
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	481.09	97.21
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	481.09	97.21
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	961.97	97.21
11 44 19 00-0020		**Electric Countertop Fryer, With Submerger** *(11 44 19)*		
11 44 19 00-0021	EA	30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202))	941.25	97.21
11 44 19 00-0022	EA	30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	2,036.78	97.21
11 44 19 00-0023	EA	30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	7,511.03	97.21
11 44 19 00-0024		**Electric Floor Fryer, With Submerger** *(11 44 19)*		
11 44 19 00-0025	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	6,760.21	216.44
11 44 19 00-0026	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,095.56	216.44
11 44 19 00-0027	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	22,651.75	281.38
11 44 19 00-0028	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	23,202.06	281.38
11 44 19 00-0029		**Natural Gas Floor Fryer, With Submerger** *(11 44 19)*		
11 44 19 00-0030	EA	40 LB Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,464.98	155.54
11 44 19 00-0031	EA	50 LB Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,680.74	194.43
11 44 19 00-0032	EA	70 To 100 LB Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518)	2,449.06	388.86
11 44 19 00-0033		**Steamers, Electric** *(11 44 19)*		
11 44 19 00-0034		**Cooking Equipment/ Steamers** *(11 44 19 00-0033)*		
11 44 19 00-0035	EA	3 Pan, Electric Countertop Convection Steamer	9,279.82	227.27
11 44 19 00-0036	EA	5 Pan, Electric Countertop Convection Steamer	12,222.21	238.08
11 44 19 00-0037	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	8,586.17	227.27
11 44 19 00-0038	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	12,521.71	238.08
11 44 19 00-0039		**Braising Pans** *(11 44 19)*		
11 44 19 00-0040	EA	24" x 24", 240 Volt, Tilting Braising Pan	11,117.42	199.06
11 44 19 00-0041	EA	24" x 31", 240 Volt, Tilting Braising Pan	11,732.17	209.33
11 44 19 00-0042	EA	24" x 41", 240 Volt, Tilting Braising Pan	12,495.66	222.92
11 44 19 00-0043	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	14,492.88	259.58
11 44 19 00-0044	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	14,986.88	267.58
11 44 19 00-0045	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	15,570.80	274.66
11 44 19 00-0046		**Toasters** *(11 44 19)*		
11 44 19 00-0047	EA	Bun Toaster 3.2 KW	2,201.54	42.30
11 44 19 00-0048	EA	Bun Toaster 4.3 KW	2,402.72	46.10
11 44 19 00-0049	EA	Pop-Up Toaster, 2 Slot	603.76	117.20
11 44 19 00-0050	EA	Conveyor Toaster	1,035.24	175.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0051		Microwave Ovens *(11 44 19)*		
11 44 19 00-0052	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	222.50	12.15
11 44 19 00-0053	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	244.52	12.15
11 44 19 00-0054	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	317.93	12.15
11 44 19 00-0055	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	406.02	12.15
11 44 19 00-0056	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	508.79	12.15
11 44 19 00-0057	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	317.93	12.15
11 44 19 00-0058	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	371.52	12.15
11 44 19 00-0059	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	658.56	12.15
11 44 19 00-0060	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	803.91	12.15
11 44 19 00-0061	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,689.21	12.15
11 44 19 00-0062	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	464.47	12.15
11 44 19 00-0063	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	633.67	12.15
11 44 19 00-0064	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	486.78	12.15
11 44 19 00-0065	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	428.06	12.15
11 44 19 00-0066	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	830.34	12.15
11 44 19 00-0067	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	384.01	12.15
11 44 19 00-0068	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	800.97	12.15
11 44 19 00-0069	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12)	889.06	12.15
11 44 19 00-0070	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,492.48	12.15
11 44 19 00-0071	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,385.30	12.15
11 44 19 00-0072	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,630.49	12.15
11 44 19 00-0073	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commerical Microwave With LCD Display (Panasonic NE-17521)	1,527.72	12.15
11 44 19 00-0074	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,715.64	12.15
11 44 19 00-0075	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	4,629.23	12.15
11 44 19 00-0076	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	6,135.57	12.15
11 44 19 00-0077	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,913.84	12.15
11 44 19 00-0078	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22)	5,970.40	12.15
11 44 19 00-0079	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24)	3,684.46	12.15
11 44 19 00-0080	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWHD18)	991.83	12.15
11 44 19 00-0081	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	1,050.56	12.15
11 44 19 00-0082	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	1,123.97	12.15
11 44 19 00-0083	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2)	2,706.66	12.15
11 44 19 00-0084	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commerical Microwave With Push Button Controls (Solwave MW1800T)	903.74	12.15
11 44 19 00-0085	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182)	1,979.91	12.15
11 44 19 00-0086	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,993.13	12.15
11 44 19 00-0087	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,859.52	12.15
11 44 19 00-0088	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212)	2,072.41	12.15
11 44 19 00-0089	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,874.20	12.15
11 44 19 00-0090	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2)	3,380.55	12.15
11 44 19 00-0091	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2)	4,437.63	12.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0092		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0093	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	9,160.39	163.20
11 44 19 00-0094	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	9,160.39	163.20
11 44 19 00-0095	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	11,385.00	203.74
11 44 19 00-0096		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0097	EA	2 Burners Gas Countertop Hot Plate	1,167.85	20.78
11 44 19 00-0098		**Food Service Additions** *(11 44 19)*		
11 44 19 00-0099	EA	30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	7,826.11	20.56
11 44 19 00-0100	EA	Heavy Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,146.66	180.73
11 44 19 00-0101	EA	Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	50,754.12	
11 44 19 00-0102	EA	1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,026.82	12.64
11 44 19 00-0103	EA	1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	597.73	12.64
11 44 19 00-0104	EA	48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	17,839.86	162.33
11 44 19 00-0105	EA	120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,446.63	312.76
11 44 19 00-0106	EA	1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	5,758.98	312.76
11 44 19 00-0107	EA	Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	19,948.78	227.27
11 44 19 00-0108	EA	115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	36,358.93	222.69
11 44 19 00-0109	EA	50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	31,209.95	114.20
11 44 19 00-0110	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	18,896.06	61.24
11 44 19 00-0111	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,008.27	259.24
11 44 19 00-0112	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	282.19	21.15
11 44 19 00-0113	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	9,906.61	287.17
11 44 19 00-0114	EA	20', 3/8" Thick, Stainless Steel, Heavy Duty Mounting, Tempered Glass (English Mfg. M-107)	13,589.34	12.64
11 44 19 00-0115	EA	1350lb, Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	19,453.49	170.13
11 44 19 00-0116	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	24,359.23	138.19
11 44 19 00-0117	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,074.63	5.83
11 44 19 00-0118	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	25,729.85	200.94
11 44 19 00-0119	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM))	22,548.65	172.23
11 44 19 00-0120	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,548.47	155.84
11 44 19 00-0121	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	10,887.68	270.56
11 44 19 00-0122	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh)	17,360.59	200.94
11 44 19 00-0123	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,434.68	52.53
11 44 19 00-0124	EA	Remote Air Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	16,460.78	243.50
11 44 19 00-0125	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,069.86	243.50
11 44 19 00-0126	EA	2,400 BTU, 1/3 HP, Air Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,259.29	216.44
11 44 19 00-0127	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,460.24	97.21
11 44 19 00-0128	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,096.18	97.21
11 44 19 00-0129	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,437.37	97.21
11 44 19 00-0130	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	972.94	48.61
11 44 19 00-0131	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	416.93	72.92
11 44 19 00-0132	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,666.97	48.61
11 44 19 00-0133	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	31,557.03	162.33
11 44 19 00-0134	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,040.06	97.21
11 44 19 00-0135	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy Duty Range (Montague 136-8)	16,046.49	148.81
11 44 19 00-0136	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy Duty Range (Montague C36-8T)	16,120.23	148.81
11 44 19 00-0137	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	37,485.85	108.22
11 44 19 00-0138	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,131.14	142.75
11 44 19 00-0139	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	13,699.49	183.97
11 44 19 00-0140	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	13,699.49	183.97
11 44 19 00-0141	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	13,699.49	183.97
11 44 19 00-0142	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	31,172.17	216.44
11 44 19 00-0143	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,202.19	238.83
11 44 19 00-0144	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,067.46	72.92
11 44 19 00-0145	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	13,685.62	228.26
11 44 19 00-0146	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	29,850.94	172.23
11 44 19 00-0147	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	17,641.06	48.61
11 44 19 00-0148	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,392.97	227.27
11 44 19 00-0149	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,544.80	227.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0150	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,774.11	227.27
11 44 19 00-0151	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,292.50	227.27
11 44 19 00-0152	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,418.85	227.27
11 44 19 00-0153	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	48,339.15	108.22
11 44 19 00-0154		**Charbroilers** *(11 44 19)*		
11 44 19 00-0155	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	1,055.70	97.21
11 44 19 00-0156	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	861.65	129.59
11 44 19 00-0157	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	597.03	97.21
11 44 19 00-0158	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	1,099.79	111.12
11 44 19 00-0159	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,832.44	111.12
11 44 19 00-0160	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	1,120.54	129.59
11 44 19 00-0161	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,446.16	129.59
11 44 19 00-0162	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	3,468.00	155.54
11 44 19 00-0163	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	3,484.28	155.54
11 44 19 00-0164	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	2,162.53	129.59
11 44 19 00-0165	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,965.86	155.54
11 44 19 00-0166	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,949.58	155.54
11 44 19 00-0167	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	4,656.52	155.54
11 44 19 00-0168	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,950.22	194.43
11 44 19 00-0169	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,969.07	194.43
11 44 19 00-0170	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG))	2,422.37	194.43
11 44 19 00-0171	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,945.94	194.43
11 44 19 00-0172		**Steam Jacketed Kettles** *(11 44 19)*		
11 44 19 00-0173	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,571.11	24.31
11 44 19 00-0174	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	12,069.02	24.31
11 44 19 00-0175	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,595.83	24.31
11 44 19 00-0176	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	10,005.00	24.31
11 44 19 00-0177	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	35,118.77	24.31
11 44 19 00-0178	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	61,893.18	97.21
11 44 19 00-0179	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	146,343.43	97.21
11 44 19 00-0180	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	32,191.29	97.21
11 44 19 00-0181	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	32,191.29	97.21
11 44 19 00-0182	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	58,994.46	97.21
11 44 19 00-0183	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	21,522.03	97.21
11 44 19 00-0184	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	47,475.95	97.21
11 44 19 00-0185	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	59,429.08	97.21
11 44 19 00-0186	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	42,287.71	97.21
11 44 19 00-0187	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	39,014.38	97.21
11 44 19 00-0188	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	120,409.51	97.21
11 44 19 00-0189	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	124,239.32	97.21
11 44 19 00-0190	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	57,923.20	194.43
11 44 19 00-0191	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	40,390.84	194.43
11 44 19 00-0192	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	57,634.05	194.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0193	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	47,890.42	194.43
11 44 19 00-0194	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	49,625.29	194.43
11 44 19 00-0195	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,883.58	194.43
11 44 19 00-0196	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	60,163.61	194.43
11 44 19 00-0197	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	59,852.65	194.43
11 44 19 00-0198	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	66,326.58	194.43
11 44 19 00-0199	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	44,937.14	194.43
11 44 19 00-0200	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	27,402.97	194.43
11 44 19 00-0201	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	145,661.33	194.43
11 44 19 00-0202	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	48,210.48	194.43
11 44 19 00-0203	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	60,163.61	194.43
11 44 19 00-0204	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	139,802.06	194.43
11 44 19 00-0205	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	45,944.60	194.43
11 44 19 00-0206	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	139,421.99	194.43
11 44 19 00-0207	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	47,517.62	194.43
11 44 19 00-0208	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	164,608.49	194.43
11 44 19 00-0209	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,980.71	194.43
11 44 19 00-0210	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	47,890.42	194.43
11 44 19 00-0211	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	47,626.74	194.43
11 44 19 00-0212	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	140,205.77	194.43
11 44 19 00-0213	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,883.58	194.43
11 44 19 00-0214	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	57,923.20	194.43
11 44 19 00-0215	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	20,014.33	194.43
11 44 19 00-0216	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	27,115.65	194.43
11 44 19 00-0217	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,421.24	194.43
11 44 19 00-0218	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,264.19	194.43
11 44 19 00-0219	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	24,697.02	194.43
11 44 19 00-0220	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,170.16	194.43
11 44 19 00-0221	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,248.54	194.43
11 44 19 00-0222	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	28,428.62	194.43
11 44 19 00-0223	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,258.20	194.43
11 44 19 00-0224	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,231.99	194.43
11 44 19 00-0225	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,885.85	194.43
11 44 19 00-0226	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,312.34	194.43
11 44 19 00-0227	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,208.95	194.43
11 44 19 00-0228	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	13,027.57	194.43
11 44 19 00-0229	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,631.22	194.43
11 44 19 00-0230	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,439.86	194.43
11 44 19 00-0231		Other Kettles *(11 44 19)*		
11 44 19 00-0232	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	5,176.11	114.20
11 44 19 00-0233	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	8,150.80	114.20

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001		Soft Serve Machines *(11 46 13)*		
11 46 13 00-0002	EA	Soft Serve Machines, Medium	12,795.34	127.92
11 46 13 00-0003	EA	Soft Serve Machines, Large	21,577.35	156.27
11 46 13 00-0004		Salad Bars *(11 46 13)*		
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	14,034.00	442.54
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	12,863.10	442.54
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	9,062.43	243.14
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	7,165.28	199.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,887.98	293.04
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	12,009.29	259.58
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,607.49	43.96
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,710.59	43.96

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	813.44	15.61

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,750.45	33.62
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	4,005.77	77.00

11 46 16 00-0006 Countertop Food Warmer *(11 46 16)*

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	187.04	27.00
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	162.69	27.00
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	519.71	27.00
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	355.76	27.00

11 46 16 00-0011 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	9,368.43	163.20
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	13,384.74	233.89

11 46 16 00-0014 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,451.52	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,242.55	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,055.93	

11 46 16 00-0018 Stationary Hot Food Units *(11 46 16)*

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,649.60	33.24
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,213.66	38.26
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,756.72	49.00

11 46 16 00-0022 Serving Counters *(11 46 16)*

11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	118.53	44.15
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	153.58	67.64

11 46 16 00-0025 Drop-In Equipment *(11 46 16)*

11 46 16 00-0026	EA	Hot Food Well, Rectangular	574.97	140.69
11 46 16 00-0027	EA	Hot Food Well, Circular	529.10	140.69
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,934.02	140.69
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	2,196.65	156.27
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,495.43	175.86
11 46 16 00-0031	EA	Frost Cold Plate	2,170.52	156.27

11 46 16 00-0032 Beverage Dispensing *(11 46 16)*

11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	3,495.07	205.06
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	4,977.96	287.05
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	1,442.23	205.06
11 46 16 00-0036	EA	Hot Chocolate Dispenser	1,404.26	168.90
11 46 16 00-0037	EA	Iced Tea Brewer	2,057.96	168.90
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	1,542.19	312.33
11 46 16 00-0039	EA	Jet Spray Dispenser	2,173.51	312.65
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	1,815.09	175.86
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	2,468.79	175.86

11 46 16 00-0042 Dish Dispensers *(11 46 16)*

11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	1,956.23	27.00
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	725.42	34.70
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	1,243.38	107.90
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	449.99	24.31

11 46 16 00-0047 Tray And Silver Dispensers *(11 46 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	2,814.78	24.31
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	168.55	30.42
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	469.03	30.42
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	3,526.42	124.62
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	8,094.30	280.15
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	3,123.74	102.21
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	427.34	13.82
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	2,728.36	97.76
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	4,484.37	146.53
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	5,521.52	180.41
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	7,954.16	226.94
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	5,779.56	180.41
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,329.18	226.94
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	6,199.76	60.75
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	391.95	27.00
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	343.14	27.00
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	416.98	27.00
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	429.50	27.00
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	225.18	27.00
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,412.88	27.00
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,522.26	27.00
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,225.04	27.00
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,119.65	27.00
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	1,960.50	24.31
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,247.41	24.31
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,254.31	27.80
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,445.59	27.80
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,445.59	27.80
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,132.45	27.80
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,132.45	27.80
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	3,942.96	32.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	5,009.73	32.37
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	3,942.96	32.37
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	5,009.73	32.37
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,176.14	32.37
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,176.14	32.37
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,176.14	32.37
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,437.93	32.37
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	5,640.87	32.37
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,437.93	32.37
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,312.80	32.37
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	5,640.87	32.37
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	5,974.97	32.37
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	4,700.34	32.37
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	5,627.32	32.37
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	5,974.97	32.37
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	4,700.34	32.37
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,181.93	32.37
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	5,822.23	32.37
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,181.93	32.37
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,181.93	32.37
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,167.47	32.37
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	1,982.57	35.38
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	6,554.71	35.38
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,156.26	35.38
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,307.07	32.37
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,388.55	35.38
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	6,770.41	35.38
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	6,770.41	35.38
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	6,770.41	35.38
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,458.31	35.38
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,149.58	35.38
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,149.58	35.38
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,149.58	35.38
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,273.21	35.38
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	8,277.62	35.38
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	15,468.04	35.38
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	15,468.04	35.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	8,655.86	38.88
11 46 16 00-0127		**Dry Bakery Display Case** *(11 46 16)*		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,697.42	24.31
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,697.42	24.31
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,880.72	24.31
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,880.72	24.31
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,162.58	27.80
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,575.01	27.80
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,520.02	27.80
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,520.02	27.80
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,277.49	32.37
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,490.15	32.37
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	6,440.99	38.88
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	5,118.86	35.38
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	5,118.86	35.38
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	5,118.86	35.38
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	5,118.86	35.38
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,323.70	35.38
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,323.70	35.38
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,756.06	38.88
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,756.06	38.88
11 46 16 00-0147		**Dual Dry/Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	16,791.77	35.38
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	16,791.77	35.38
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	16,791.77	35.38
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	16,798.86	38.88
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	17,243.11	38.88
11 46 16 00-0153		**Refrigerated Deli Case** *(11 46 16)*		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	8,577.52	129.59
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	8,577.52	129.59
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,822.57	129.59
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,822.57	129.59
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	2,024.23	77.77
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,200.96	77.77
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahreheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	2,024.23	77.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,295.66	97.21
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,490.99	97.21
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,695.36	129.59
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,695.36	129.59
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	3,039.52	129.59
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,360.50	129.59
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,937.20	129.59
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,937.20	129.59
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	3,225.55	129.59

11 46 19 Soda Fountain Equipment *(11 46)*

11 46 19 00-0001 Carbonated Beverage Dispensing *(11 46 19)*

11 46 19 00-0002	EA	Carbonated Beverage Dispenser	3,881.73	439.71
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 LB Ice	6,149.63	502.47
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 LB Ice	11,297.23	703.44

11 46 19 00-0005 Beverage Chilling Systems *(11 46 19)*

11 46 19 00-0006	EA	Beverage Chiller, Small	8,278.70	352.41
11 46 19 00-0007	EA	Beverage Chiller, Large	15,515.58	528.66

11 46 83 Ice Machines *(11 46)*

11 46 83 00-0001 Undercounter Ice Machines With Bin *(11 46 83)*

11 46 83 00-0002	EA	53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine Wiith 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1)	2,422.68	24.31
11 46 83 00-0003	EA	85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090)	3,900.22	189.38
11 46 83 00-0004	EA	137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A)	2,974.87	189.38
11 46 83 00-0005	EA	100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA)	2,904.10	189.38
11 46 83 00-0006	EA	227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA)	3,128.18	202.92
11 46 83 00-0007	EA	282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA)	3,497.27	202.92

11 46 83 00-0008 Ice Cube Maker *(11 46 83)*

11 46 83 00-0009	EA	320 LB/Day, Modular Ice Maker Without Bin	4,110.42	202.92
11 46 83 00-0010	EA	451 LB/Day, Modular Ice Maker Without Bin	4,467.01	216.44
11 46 83 00-0011	EA	600 LB/Day, Modular Ice Maker Without Bin	5,116.57	216.44
11 46 83 00-0012	EA	901 LB/Day, Modular Ice Maker Without Bin	7,321.30	229.97
11 46 83 00-0013	EA	1301 LB/Day, Modular Ice Maker Without Bin	8,310.16	229.97
11 46 83 00-0014	EA	1601 LB/Day, Modular Ice Maker Without Bin	10,020.70	243.50
11 46 83 00-0015	EA	1900 LB/Day, Modular Ice Maker Without Bin	11,071.58	243.50

11 46 83 00-0016 Ice Flakers *(11 46 83)*

11 46 83 00-0017	EA	300 LB/Day, Ice Flakers	6,247.48	574.32
11 46 83 00-0018	EA	600 LB/Day, Ice Flakers	11,327.23	918.92
11 46 83 00-0019	EA	1,000 LB/Day, Ice Flakers	13,991.74	1,263.52
11 46 83 00-0020	EA	2,000 LB/Day, Ice Flakers	17,109.93	1,378.39

11 46 83 00-0021 Ice Storage Bins *(11 46 83)*

11 46 83 00-0022	EA	260 LB Capacity, Stainless Steel Ice Storage Bin	1,649.98	145.82
11 46 83 00-0023	EA	360 LB Capacity, Stainless Steel Ice Storage Bin	1,808.75	145.82
11 46 83 00-0024	EA	550 LB Capacity, Stainless Steel Ice Storage Bin	2,256.44	157.97
11 46 83 00-0025	EA	660 LB Capacity, Stainless Steel Ice Storage Bin	2,432.86	157.97
11 46 83 00-0026	EA	1150 LB Capacity, Stainless Steel Ice Storage Bin	4,662.29	170.13

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0001		**Rack Type Dishwasher** *(11 48 13)*		
11 48 13 00-0002	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	21,092.93	975.96
11 48 13 00-0003	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	34,093.98	1,205.60
11 48 13 00-0004	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	40,714.53	1,377.83
11 48 13 00-0005		**Undercounter Type Dishwasher** *(11 48 13)*		
11 48 13 00-0006	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,498.80	200.94
11 48 13 00-0007	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Noble WF-UL30-NO-115)	4,693.88	194.43
11 48 13 00-0008	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Jackson DISHSTAR LT UNDERCOUNTER)	7,055.02	194.43
11 48 13 00-0009	EA	1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, High Temperature Undercounter Dishwasher (Noble WF-UH30-FND-NO)	5,035.42	194.43
11 48 13 00-0010	EA	1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, High Temperature Undercounter Dishwasher (Jackson DISHSTAR HT)	7,353.51	194.43
11 48 13 00-0011	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230V, 1 Phase, Energy Efficient High Temperature Undercounter Dishwasher (Jackson DISHSTAR HTE)	7,650.51	194.43
11 48 13 00-0012	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson DSTR HT-SEER)	8,820.69	194.43
11 48 13 00-0013	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson TEMPSTAR-HH VER)	20,237.37	194.43
11 48 13 00-0014	EA	0.74 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher (Hobart LXEH-2)	11,389.99	194.43
11 48 13 00-0015	EA	0.62 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher With Energy Recovery (Hobart LXER-2)	12,206.37	194.41
11 48 13 00-0016		**Exhaust Hood Dishwasher** *(11 48 13)*		
11 48 13 00-0017	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,546.78	228.60
11 48 13 00-0018	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,388.31	274.32
11 48 13 00-0019		**Dish Tables** *(11 48 13)*		
11 48 13 00-0020	LF	Clean/Soiled Dish Table, Basic	296.48	44.10
11 48 13 00-0021	LF	Clean/Soiled Dish Table With Trough	466.47	66.09
11 48 13 00-0022	LF	Clean/Soiled Dish Table, Maximum	563.97	88.08
11 48 13 00-0023		**Sprays And Hoses** *(11 48 13)*		
11 48 13 00-0024		**Sprays, Fillers** *(11 48 13 00-0023)*		
11 48 13 00-0025	EA	Pre-Rinse Spray	454.21	83.71
11 48 13 00-0026	EA	Kettle Fillers	396.87	83.71
11 48 13 00-0027		**Hoses** *(11 48 13 00-0023)*		
11 48 13 00-0028	EA	Hose Reel	545.05	100.50
11 48 13 00-0029	EA	Wash-Down Hose	430.37	100.50
11 48 13 00-0030	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,421.22	
11 48 13 00-0031		**Commercial Dishwashers** *(11 48 13)*		
11 48 13 00-0032	EA	1.16 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, Single Rack, Low Temperature Glass Washer/Dishwasher (Noble WF-DG-E-NO 115/1)	5,728.12	518.45
11 48 13 00-0033	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Dishwasher (Noble WF-HT180-D-7-NO)	9,520.12	194.43
11 48 13 00-0034	EA	1.02 Gallons Per Rack, 120 Degrees Fahrenheit, 115 Volt, Single Rack, Low Temperature Door-Type Dish Machine (Noble WF-I-E-NO 115)	5,100.59	598.27
11 48 13 00-0035	EA	2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 115 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG-115-NO)	5,881.88	194.43
11 48 13 00-0036	EA	2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 208 To 230 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG NOBLE LABEL)	5,881.88	194.43
11 48 13 00-0037	EA	1.61 Gallons Per Rack, 140 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble 1-HH-NO)	5,739.15	598.27
11 48 13 00-0038	EA	1.36 Gallons Per Rack, 140 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Functionality, High Temperature Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	12,035.55	598.27
11 48 13 00-0039	EA	1.561 Gallons Per Rack, 145 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble WF-I-E-A-LTH-NO)	7,283.55	598.27
11 48 13 00-0040	EA	1.02 Gallons Per Rack, 145 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Benefit, Low Temperature Door Type Dishwasher (Noble WF-IE-LTH-NO)	7,120.19	598.27
11 48 13 00-0041	EA	0.75 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, Door Type Dishwasher High Hood With Electric Booster Heater (Jackson TEMPSTAR-HH)	16,866.25	598.27
11 48 13 00-0042	EA	1.17 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 115 Volt, Double Rack Low Temperature Dishwasher (Noble WF-II-NO)	7,135.05	598.27
11 48 13 00-0043	EA	1.36 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 3 Phase, High Temperature Dual Functionality Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	12,035.55	598.27
11 48 13 00-0044	EA	60 Second Wash Cycle Time, 8 Gallon Tank, Single Cycle, Select Single Rack High/Low Temperature, Straight/Corner Dishwasher (Noble HT-180EC1)	7,892.39	598.27
11 48 13 00-0045	EA	4 Cycles, 40 Racks Per Hour, 60 To 360 Second Wash Cycle Time, 14 Gallon, 208-240 Volt, 1 Phase, Ventless High Temperature Dishwasher With Booster Heater (Hobart AM15VL-6)	27,690.27	598.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0046	EA	208-240 Volt, 3 Phase, Ventless, Tall High Temperature Dishwasher With Booster Heater (Hobart AM15VLT-2)	32,719.16	598.27
11 48 13 00-0047	EA	208/230 Volt, 3 Phase, 0.89 Gallons Per Rack, 110 Degrees Fahrenheit, Multi Cycle, High Temperature Dishwasher (Noble WF-HT180-A-7-NO)	10,327.79	598.27

11 48 16 Foodservice Disposal Equipment *(11 48)*

11 48 16 00-0001 Garbage Disposals *(11 48 16)*

Note: Manual switch.

11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,572.81	155.01
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,985.28	160.75
11 48 16 00-0004	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,131.75	166.49
11 48 16 00-0005	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,788.93	172.23
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,041.09	189.45
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,289.84	206.68
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,125.45	229.63
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,137.92	246.86
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	9,402.56	258.34

11 48 16 00-0011 Pulper/Extractors *(11 48 16)*

11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	6,231.81	239.17

11 50 Educational and Scientific Equipment *(11)*

11 51 Library Equipment *(11 50)*

11 51 19 Book Theft Protection Equipment *(11 51)*

11 51 19 00-0001 LA DPW Book Detection System *(11 51 19)*

11 51 19 00-0002	EA	Dual Corridor Book Detection System, 36" Corridor, Buried Cable With Closed Panels (3M 3902, Dual, 36" BC, Closed Panel)	70,301.56	

Note: Designer Series Insert: Eclipse or Courier. Pedestal Color: Silver or Black. Excludes any accessory items (sensitizers, desensitizers, bookchecks, selfchecks, strips, etc.). Blockouts, conduit, concrete fill, electrical service and all other site prep for system and electronics enclosure to be by others.

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	377.86	75.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	448.57	97.65
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	562.69	135.63
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	649.70	162.75
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,008.92	244.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,194.16	271.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	867.87	173.60
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	987.42	217.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	541.39	92.22
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	748.33	130.20
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	813.62	146.48
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	868.07	157.32
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	998.66	189.88
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	824.66	135.63
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	933.56	157.32
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0018		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*		
11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	907.02	97.65
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,053.88	135.63
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,217.02	184.46
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,401.87	244.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,543.72	249.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,652.60	271.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,685.35	271.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,816.13	287.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	1,946.93	303.80
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,088.56	325.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,350.53	325.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	2,698.52	434.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0031		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*		
		Note: With controlled screen return.		
11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,708.80	135.63
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,904.69	184.46
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,089.54	244.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,198.64	249.56
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,340.27	271.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,373.01	271.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,503.80	287.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,558.26	298.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,874.46	325.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,169.18	325.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,582.66	434.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0043		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*		
		Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,489.05	122.06
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,542.96	135.63
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,648.12	162.75
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,041.25	244.13
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,116.41	249.56
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,307.13	271.25
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,374.11	271.25
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,540.67	290.25
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,747.29	303.80
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,879.08	325.51
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,999.63	325.51
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,425.60	434.01
11 52 13 13-0056		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*		
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,214.56	325.51
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,693.53	434.01
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,308.35	488.26
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	8,744.32	542.51
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	9,288.79	651.01
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	10,379.66	705.27
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	11,372.31	759.52
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,027.23	759.52
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,931.90	868.02
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,016.96	705.27
		Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	12,669.93	868.02
		Note: Heavy-duty screen for exposed or recessed installation without doors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,214.40	976.52
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,780.39	759.52
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	16,489.00	976.52
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,807.68	122.06
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,933.03	135.63
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,052.79	162.75
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,444.76	244.13
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,521.11	249.56
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,760.98	271.25
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,957.45	271.25
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,093.67	290.25
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,284.53	303.80
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,458.90	325.51
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,524.40	325.51
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,068.87	434.01
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,647.06	461.14
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,028.76	488.26
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,857.68	542.51
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,238.42	651.01
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,812.20	122.06
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,912.29	149.19
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,968.89	162.75
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,226.61	244.13
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,266.94	249.56
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,434.76	271.25
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,608.32	271.25
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,878.79	290.25
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,951.77	303.80
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,135.97	325.51
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,113.49	379.76
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,680.44	434.01
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,365.45	461.14
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,730.77	488.26
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,445.08	542.51
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,799.62	651.01
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,677.65	705.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	11,333.01	759.52
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	11,811.10	759.52
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	13,049.78	868.02
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,968.89	162.75
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,172.36	217.01
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,256.08	244.13
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,984.51	303.80
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,385.28	379.76
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,908.85	488.26
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,374.73	596.77
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	14,814.35	813.77
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,188.73	217.01
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,305.20	244.13
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,432.71	260.41
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,505.59	282.11
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,827.33	303.80
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,260.85	379.76
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,820.43	488.26
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,026.37	596.77
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,962.54	705.27
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,913.45	122.06
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,004.87	135.63
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,107.35	162.75
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,436.19	244.13
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,500.63	249.56
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,659.21	271.25
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,838.70	271.25
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,991.87	290.25
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,104.72	303.80
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,284.74	325.51
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,469.58	325.51
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,841.97	434.01
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,881.98	271.25
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,907.37	325.51
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,459.61	488.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,238.59	651.01
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,747.81	759.52
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,798.87	271.25
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,249.96	325.51
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,242.61	379.76
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,913.07	488.26
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,643.15	271.25
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,837.11	298.38
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,689.14	325.51
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,099.99	352.63
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,407.91	13,028.15
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,884.05	434.01
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,095.47	488.26
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,814.24	542.51
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	28,885.96	596.77
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	38,681.91	651.01
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	75.22	8.14
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	107.97	8.68
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	127.62	9.77
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	809.74	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,169.95	
11 52 13 13-0168		Projection Screens, Frames, Masking And Hardware *(11 52 13 13)*		
11 52 13 13-0169		Projection Screens *(11 52 13 13-0168)* Note: Dimensions given in height x width.		
11 52 13 13-0170	EA	9' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2)	1,663.24	48.76
11 52 13 13-0171	EA	12' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2)	1,744.21	65.01
11 52 13 13-0172	EA	9' x 9' Matt White Motorized Projection Screen (Draper Targa)	1,750.05	43.45
11 52 13 13-0173	EA	9' x 12' Matt White Motorized Projection Screen (Draper Targa)	1,980.09	48.76
11 52 13 13-0174	EA	12' x 12' Matt White Motorized Projection Screen (Draper Targa)	3,108.35	65.01
11 52 13 13-0175	EA	12' x 16' Matt White Motorized Projection Screen (Draper Targa)	4,429.67	81.26
11 52 13 13-0176	EA	14' x 14' Matt White Motorized Projection Screen (Draper Targa)	3,864.10	73.13
11 52 13 13-0177	EA	16' x 16' Matt White Motorized Projection Screen (Draper Targa)	4,614.26	97.51
11 52 13 13-0178	EA	15' x 20' Matt White Motorized Projection Screen (Draper Paragon)	7,488.25	113.76
11 52 13 13-0179	EA	20' x 20' Matt White Motorized Projection Screen (Draper Paragon)	8,000.09	130.01
11 52 13 13-0180	EA	11' x 22' Matt White Motorized Projection Screen (Draper Paragon)	7,635.71	105.64
11 52 13 13-0181	EA	16'-6"' x 22' Matt White Motorized Projection Screen (Draper Paragon)	7,919.41	130.01
11 52 13 13-0182	EA	22' x 22' Matt White Motorized Projection Screen (Draper Paragon)	8,176.81	146.28
11 52 13 13-0183	EA	8'-6" To 16' Positioning Pole (ADC PP-1)	389.02	
11 52 13 13-0184		Replacement Surface Only, Projection Screen Fabric *(11 52 13 13-0168)*		
11 52 13 13-0185	EA	9' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	1,873.27	65.01
11 52 13 13-0186	EA	12' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	2,364.95	65.01
11 52 13 13-0187	EA	12' x 16' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	3,020.53	65.01
11 52 13 13-0188		Lace And Grommet Projection Screen Fabric *(11 52 13 13-0168)*		
11 52 13 13-0189	SF	Lace And Grommet Matte White, Projection Screen Fabric (Draper)	18.49	1.41
11 52 13 13-0190	LF	Lace And Grommet Projection Screen Cord	1.94	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0191		Wood Frame For Side Black Masking *(11 52 13 13-0168)*		
11 52 13 13-0192	EA	Up To 13' x 17' Image Size, Side Black Masking Wood Frame And Fabric (4 Sides) Note: Includes 1" x 3" lumber, hardware, FP Commando Fabric and shop labor.	4,005.42	65.01
11 52 13 13-0193	EA	Up To 13' x 17' Image Size, Side Black Masking Fabric (4 Sides) Note: FP Commando Fabric installed on existing wood frame where wood frame is attached to existing steel frame.	1,355.00	32.50
11 52 13 13-0194		Flown Type Projection Screen Frame *(11 52 13 13-0168)*		
11 52 13 13-0195	EA	2" x 2" Steel Angle Flown Type Projection Screen Frame (4 Sides), Up To 13' x 17' Image Size Note: Includes assembly, hanging hardware and shop labor.	4,752.33	65.01
11 52 13 13-0196	EA	1-1/2" Inside Diameter Schedule 40 Aluminum Pipe Flown Type Projection Screen Frame (4 Sides) With Hollaender Speed Rail Fittings (Rated), Up To 13' x 17' Image Size Note: Includes assembly, hanging hardware and shop labor.	5,087.58	65.01
11 52 13 13-0197		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0198	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,595.63	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Projection Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	EA	9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,118.30	216.70
11 52 13 16-0003	EA	12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,134.26	216.70
11 52 13 16-0004	EA	9' x 9' Non-Tensioned Electric Projection Screen (Draper Targa)	2,226.24	216.70
11 52 13 16-0005	EA	9' x 12' Non-Tensioned Electric Projection Screen (Draper Targa)	2,435.15	216.70
11 52 13 16-0006	EA	12' x 12' Non-Tensioned Electric Projection Screen (Draper Targa)	3,498.40	216.70
11 52 13 16-0007	EA	12' x 16' Non-Tensioned Electric Projection Screen (Draper Targa)	4,754.72	216.70
11 52 13 16-0008	EA	14' x 14' Non-Tensioned Electric Projection Screen (Draper Targa)	4,221.65	216.70
11 52 13 16-0009	EA	16' x 16' Non-Tensioned Electric Projection Screen (Draper Targa)	4,874.30	216.70
11 52 13 16-0010	EA	15' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	7,683.27	216.70
11 52 13 16-0011	EA	20' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,130.11	216.70
11 52 13 16-0012	EA	11' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	7,863.25	216.70
11 52 13 16-0013	EA	16'-6" x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,049.43	216.70
11 52 13 16-0014	EA	22' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,241.82	216.70
11 52 13 16-0015	EA	Projection Screen Hanger Assembly Unit Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).	190.09	27.09
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,349.74	54.25
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,566.96	54.25
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,078.97	54.25
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,289.18	54.25
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,832.22	54.25
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	4,871.76	54.25
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,757.64	54.25
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,519.40	54.25
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	15,624.00	54.25
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	280.19	59.65
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	472.81	59.65
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)* Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	100.04	27.11
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	139.57	27.11
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	198.08	27.11
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	244.15	27.11
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	371.17	27.11
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	832.00	27.11

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	62.59	8.13
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	82.10	8.13
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	89.41	8.13
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	94.29	8.13
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	111.90	10.84
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	136.28	10.84
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	175.29	10.84
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	202.11	10.84
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	236.79	13.56
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	270.93	13.56
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	300.74	16.27
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	315.37	16.27
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	129.51	13.56
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	202.66	13.56
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	207.53	13.56
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	214.85	13.56
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	232.47	16.27
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	244.66	16.27
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	271.48	16.27
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	295.86	16.27
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	328.10	18.98
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	352.48	18.98
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	384.72	21.69
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	401.79	21.69
11 52 33		**Interactive Displays** *(11 52)*		
11 52 33 00-0001		Television Monitors And Panels *(11 52 33)*		
		Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	696.22	19.44
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	764.07	21.87
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	1,038.44	24.31
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,047.96	24.31
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,186.87	26.73
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,394.04	29.16
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,737.69	31.59
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,078.92	31.59
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,422.58	34.03
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,936.85	36.46
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,645.40	38.89
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	2,136.70	29.16
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	2,982.15	31.59
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	4,038.37	34.03
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	4,251.56	36.46
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	6,359.12	36.46
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	19,376.67	38.89
11 52 33 00-0019		Flat Panel Display Mounting *(11 52 33)*		
		Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt	429.80	124.83
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	667.87	156.03
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	689.66	187.24
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	734.79	187.24
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt	734.79	187.24
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays Note: 8" Extension	407.27	124.83
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays Note: 9.7" Extension	559.77	156.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays Note: 10.2" Extension	960.00	187.24
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	1,376.24	218.45
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	514.73	156.03
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	604.81	156.03
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	711.67	187.24
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	424.64	156.03
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	492.21	156.03
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	585.21	187.24
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	709.95	249.65
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	836.40	249.65
		For 28" To 41" Extension Pole, Add	*44.06*	
		For 38" To 51" Extension Pole, Add	*56.10*	
		For 48" To 61" Extension Pole, Add	*64.13*	
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	880.57	249.65

11 52 33 00-0038 Audio/Video Components *(11 52 33)*

11 52 33 00-0039	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,611.02	93.62
11 52 33 00-0040	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,185.75	93.62
11 52 33 00-0041	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	493.46	31.21
11 52 33 00-0042	EA	MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	571.83	31.21
11 52 33 00-0043	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamplifier Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,326.54	124.83
11 52 33 00-0044	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,587.78	124.83
11 52 33 00-0045	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,587.78	124.83
11 52 33 00-0046	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	164.08	15.60
11 52 33 00-0047	EA	DVD/VCR Combo (Toshiba #SD V296)	165.63	
11 52 33 00-0048	EA	DVD/VCR Combo (Toshiba #SD V392)	167.88	
11 52 33 00-0049	EA	DVDr/VCR Combo (Toshiba #DVR620)	307.52	
11 52 33 00-0050	EA	DVDr/VCR Combo (Toshiba #DVR670)	422.37	

11 52 33 00-0051 Audio/Video Cabling *(11 52 33)*

11 52 33 00-0052	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	42.31
11 52 33 00-0053	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	61.90
11 52 33 00-0054	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	92.54
11 52 33 00-0055	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	192.38
11 52 33 00-0056	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	270.75
11 52 33 00-0057	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	371.85
11 52 33 00-0058	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	509.00
11 52 33 00-0059	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	626.56
11 52 33 00-0060	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	747.24
11 52 33 00-0061	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	825.61
11 52 33 00-0062	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	985.47
11 52 33 00-0063	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,184.52
11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	42.31
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	61.90
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	92.54
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	192.38
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	270.75
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	371.84
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	508.99
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	626.55
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	747.24
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	825.61
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	985.47
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,184.52
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	18.79
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	29.75
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	22.71
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	24.67
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	33.76
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	39.64
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	63.06
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	88.53
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	117.13
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	156.32
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	195.51
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	32.51
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	34.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	43.56	
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	53.35	
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	74.82	
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	100.29	
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	136.73	
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	175.91	
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	224.90	
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	7.04	
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	9.00	
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	10.96	
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	14.88	

11 53 Laboratory Equipment *(11 50)*

11 53 13 Laboratory Fume Hoods *(11 53)*

11 53 13 11 General Laboratory Fume Hoods *(11 53 13)*

11 53 13 11-0001 Fume Hoods (Kewaunee Scientific) *(11 53 13 11)*

11 53 13 11-0002 General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05) *(11 53 13 11-0001)*

11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00) Note: Includes material and installation	9,927.54
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00) Note: Includes material and installation	10,555.56
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00) Note: Includes material and installation	13,545.53
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00) Note: Includes material and installation	9,359.97
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00) Note: Includes material and installation	10,723.30
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00) Note: Includes material and installation	11,351.33
11 53 13 11-0009	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00) Note: Includes material and installation	14,364.70
11 53 13 11-0010	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00) Note: Includes material and installation	9,968.49
11 53 13 11-0011	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00) Note: Includes material and installation	10,331.27
11 53 13 11-0012	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00) Note: Includes material and installation	12,188.05
11 53 13 11-0013	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00) Note: Includes material and installation	15,066.84
11 53 13 11-0014	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00) Note: Includes material and installation	10,930.04
11 53 13 11-0015	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00) Note: Includes material and installation	14,070.19
11 53 13 11-0016	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00) Note: Includes material and installation	16,549.14
11 53 13 11-0017	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00) Note: Includes material and installation	19,472.79
11 53 13 11-0018	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00) Note: Includes material and installation	12,970.16
11 53 13 11-0019	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00) Note: Includes material and installation	10,081.62
11 53 13 11-0020	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00) Note: Includes material and installation	10,711.60
11 53 13 11-0021	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00) Note: Includes material and installation	13,705.46
11 53 13 11-0022	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00) Note: Includes material and installation	9,521.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0023	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00) Note: Includes material and installation	10,900.79	
11 53 13 11-0024	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00) Note: Includes material and installation	11,532.72	
11 53 13 11-0025	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00) Note: Includes material and installation	14,538.28	
11 53 13 11-0026	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00) Note: Includes material and installation	10,144.03	
11 53 13 11-0027	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00) Note: Includes material and installation	11,749.21	
11 53 13 11-0028	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00) Note: Includes material and installation	12,373.34	
11 53 13 11-0029	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00) Note: Includes material and installation	15,252.13	
11 53 13 11-0030	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00) Note: Includes material and installation	11,121.18	
11 53 13 11-0031	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00) Note: Includes material and installation	14,276.93	
11 53 13 11-0032	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00) Note: Includes material and installation	16,740.28	
11 53 13 11-0033	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00) Note: Includes material and installation	19,681.49	
11 53 13 11-0034	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00) Note: Includes material and installation	13,176.90	
11 53 13 11-0035		Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) *(11 53 13 11-0001)*		
11 53 13 11-0036	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00) Note: Includes material and installation	11,390.34	
11 53 13 11-0037	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) Note: Includes material and installation	12,016.41	
11 53 13 11-0038	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) Note: Includes material and installation	15,012.23	
11 53 13 11-0039	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00) Note: Includes material and installation	10,826.67	
11 53 13 11-0040	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) Note: Includes material and installation	12,500.11	
11 53 13 11-0041	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) Note: Includes material and installation	13,132.04	
11 53 13 11-0042	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) Note: Includes material and installation	16,143.46	
11 53 13 11-0043	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00) Note: Includes material and installation	11,749.21	
11 53 13 11-0044	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) Note: Includes material and installation	13,442.16	
11 53 13 11-0045	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) Note: Includes material and installation	14,070.19	
11 53 13 11-0046	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) Note: Includes material and installation	16,948.98	
11 53 13 11-0047	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00) Note: Includes material and installation	12,812.18	
11 53 13 11-0048	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) Note: Includes material and installation	16,478.93	
11 53 13 11-0049	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) Note: Includes material and installation	17,101.11	
11 53 13 11-0050	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) Note: Includes material and installation	21,877.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0051	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00) Note: Includes material and installation	15,384.76	

11 53 13 11-0052 ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08) *(11 53 13 11-0001)*

11 53 13 11-0053	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00) Note: Includes material and installation	10,023.11	
11 53 13 11-0054	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) Note: Includes material and installation	10,662.84	
11 53 13 11-0055	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00) Note: Includes material and installation	13,440.21	
11 53 13 11-0056	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) Note: Includes material and installation	9,453.59	
11 53 13 11-0057	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00) Note: Includes material and installation	10,816.92	
11 53 13 11-0058	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) Note: Includes material and installation	11,361.08	
11 53 13 11-0059	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) Note: Includes material and installation	14,347.14	
11 53 13 11-0060	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) Note: Includes material and installation	10,064.06	
11 53 13 11-0061	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00) Note: Includes material and installation	11,655.59	
11 53 13 11-0062	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) Note: Includes material and installation	12,468.91	
11 53 13 11-0063	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) Note: Includes material and installation	15,790.44	
11 53 13 11-0064	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) Note: Includes material and installation	11,025.61	
11 53 13 11-0065	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) Note: Includes material and installation	10,177.19	
11 53 13 11-0066	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00) Note: Includes material and installation	10,846.17	
11 53 13 11-0067	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00) Note: Includes material and installation	13,680.11	
11 53 13 11-0068	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) Note: Includes material and installation	9,615.47	
11 53 13 11-0069	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) Note: Includes material and installation	10,998.31	
11 53 13 11-0070	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00) Note: Includes material and installation	11,558.07	
11 53 13 11-0071	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00) Note: Includes material and installation	14,606.55	
11 53 13 11-0072	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00) Note: Includes material and installation	10,235.70	
11 53 13 11-0073	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00) Note: Includes material and installation	11,844.78	
11 53 13 11-0074	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00) Note: Includes material and installation	12,685.40	
11 53 13 11-0075	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00) Note: Includes material and installation	16,073.25	
11 53 13 11-0076	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00) Note: Includes material and installation	11,214.80	

11 53 13 11-0077 ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) *(11 53 13 11-0001)*

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11 53 13 11-0078	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) Note: Includes material and installation	13,660.60	
11 53 13 11-0079	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00) Note: Includes material and installation	14,852.30	
11 53 13 11-0080	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00) Note: Includes material and installation	18,885.72	
11 53 13 11-0081	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00) Note: Includes material and installation	13,096.94	
11 53 13 11-0082	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00) Note: Includes material and installation	14,768.43	
11 53 13 11-0083	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00) Note: Includes material and installation	15,905.51	
11 53 13 11-0084	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00) Note: Includes material and installation	20,256.85	
11 53 13 11-0085	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00) Note: Includes material and installation	14,015.57	
11 53 13 11-0086	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) Note: Includes material and installation	15,710.47	
11 53 13 11-0087	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00) Note: Includes material and installation	17,134.26	
11 53 13 11-0088	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00) Note: Includes material and installation	21,856.18	
11 53 13 11-0089	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00) Note: Includes material and installation	15,084.39	
11 53 13 11-0090		Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) *(11 53 13 11-0001)*		
11 53 13 11-0091	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00) Note: Includes material and installation	20,600.12	
11 53 13 11-0092	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00) Note: Includes material and installation	22,864.54	
11 53 13 11-0093	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00) Note: Includes material and installation	24,122.55	
11 53 13 11-0094	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00) Note: Includes material and installation	32,618.49	
11 53 13 11-0095	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00) Note: Includes material and installation	20,773.71	
11 53 13 11-0096	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00) Note: Includes material and installation	23,038.12	
11 53 13 11-0097	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00) Note: Includes material and installation	24,307.84	
11 53 13 11-0098	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00) Note: Includes material and installation	32,827.18	
11 53 13 11-0099		Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25) *(11 53 13 11-0001)*		
11 53 13 11-0100	EA	4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00) Note: Includes material and installation	27,213.93	
11 53 13 11-0101	EA	5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00) Note: Includes material and installation	27,307.55	
11 53 13 11-0102	EA	6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00) Note: Includes material and installation	30,295.56	
11 53 13 11-0103		HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC) *(11 53 13 11-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0104	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00) Note: Includes material and installation	14,118.95	
11 53 13 11-0105	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00) Note: Includes material and installation	14,748.92	
11 53 13 11-0106	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00) Note: Includes material and installation	17,740.84	
11 53 13 11-0107	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00) Note: Includes material and installation	13,551.38	
11 53 13 11-0108	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00) Note: Includes material and installation	15,390.61	
11 53 13 11-0109	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00) Note: Includes material and installation	16,020.59	
11 53 13 11-0110	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00) Note: Includes material and installation	19,030.05	
11 53 13 11-0111	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00) Note: Includes material and installation	14,637.75	
11 53 13 11-0112	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00) Note: Includes material and installation	16,441.87	
11 53 13 11-0113	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00) Note: Includes material and installation	17,066.00	
11 53 13 11-0114	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00) Note: Includes material and installation	19,948.69	
11 53 13 11-0115	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00) Note: Includes material and installation	15,809.94	
11 53 13 11-0116	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00) Note: Includes material and installation	21,415.39	
11 53 13 11-0117	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00) Note: Includes material and installation	22,043.42	
11 53 13 11-0118	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00) Note: Includes material and installation	26,816.05	
11 53 13 11-0119	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00) Note: Includes material and installation	20,317.32	
11 53 13 11-0120		**General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30)** *(11 53 13 11-0001)*		
11 53 13 11-0121	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00) Note: Includes material and installation	20,742.50	
11 53 13 11-0122	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00) Note: Includes material and installation	21,362.73	
11 53 13 11-0123	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00) Note: Includes material and installation	26,580.05	
11 53 13 11-0124	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00) Note: Includes material and installation	19,486.45	
11 53 13 11-0125	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00) Note: Includes material and installation	22,103.88	
11 53 13 11-0126	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00) Note: Includes material and installation	22,731.91	
11 53 13 11-0127	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00) Note: Includes material and installation	29,513.45	
11 53 13 11-0128	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00) Note: Includes material and installation	20,668.39	
11 53 13 11-0129	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00) Note: Includes material and installation	23,455.51	
11 53 13 11-0130	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00) Note: Includes material and installation	24,077.69	
11 53 13 11-0131	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00) Note: Includes material and installation	31,625.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00) Note: Includes material and installation	22,885.99	
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00) Note: Includes material and installation	29,942.54	
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00) Note: Includes material and installation	30,574.47	
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00) Note: Includes material and installation	41,001.31	
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00) Note: Includes material and installation	28,458.29	
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00) Note: Includes material and installation	20,902.44	
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00) Note: Includes material and installation	21,518.76	
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00) Note: Includes material and installation	26,739.98	
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00) Note: Includes material and installation	19,644.43	
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00) Note: Includes material and installation	22,281.37	
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00) Note: Includes material and installation	22,907.45	
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00) Note: Includes material and installation	29,692.89	
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00) Note: Includes material and installation	20,847.83	
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00) Note: Includes material and installation	23,642.75	
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00) Note: Includes material and installation	24,266.88	
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00) Note: Includes material and installation	31,814.92	
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00) Note: Includes material and installation	23,077.13	
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00) Note: Includes material and installation	30,143.43	
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00) Note: Includes material and installation	30,777.31	
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00) Note: Includes material and installation	41,202.20	
11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00) Note: Includes material and installation	28,663.08	
11 53 13 11-0153		Stand Alone, TruView® Teaching Hoods (Kewaunee Scientific T90) *(11 53 13 11-0001)*		
11 53 13 11-0154	EA	4' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA) Note: Includes material and installation	16,908.02	
11 53 13 11-0155	EA	5' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA) Note: Includes material and installation	19,273.85	
11 53 13 11-0156	EA	6' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA) Note: Includes material and installation	20,888.78	
11 53 13 11-0157	EA	4' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA) Note: Includes material and installation	29,843.07	
11 53 13 11-0158	EA	5' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA) Note: Includes material and installation	34,174.91	
11 53 13 11-0159	EA	6' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA) Note: Includes material and installation	36,355.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0160		**Options For Fume Hoods (Kewaunee Scientific)** *(11 53 13 11-0001)*		
11 53 13 11-0161	EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C) Note: Includes material and installation	450.54	
11 53 13 11-0162	EA	Fire Extinguisher (Kewaunee Scientific Option E) Note: Includes material and installation	1,950.40	
11 53 13 11-0163	EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O) Note: Includes material and installation	323.77	
11 53 13 11-0164	EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B) Note: Includes material and installation	1,328.22	
11 53 13 11-0165	EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B) Note: Includes material and installation	1,552.52	
11 53 13 11-0166	EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B) Note: Includes material and installation	1,790.47	
11 53 13 11-0167	EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B) Note: Includes material and installation	2,317.08	
11 53 13 11-0168	EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B) Note: Includes material and installation	1,328.22	
11 53 13 11-0169	EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B) Note: Includes material and installation	1,552.52	
11 53 13 11-0170	EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B) Note: Includes material and installation	1,790.47	
11 53 13 11-0171	EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B) Note: Includes material and installation	1,328.22	
11 53 13 11-0172	EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B) Note: Includes material and installation	1,552.52	
11 53 13 11-0173	EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B) Note: Includes material and installation	1,790.47	
11 53 13 11-0174	EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B) Note: Includes material and installation	2,317.08	
11 53 13 11-0175	EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B) Note: Includes material and installation	1,386.73	
11 53 13 11-0176	EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B) Note: Includes material and installation	1,620.78	
11 53 13 11-0177	EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B) Note: Includes material and installation	1,874.33	
11 53 13 11-0178	EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B) Note: Includes material and installation	2,426.30	
11 53 13 11-0179	EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP) Note: Includes material and installation	173.59	
11 53 13 11-0180	EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-0F) Note: Includes material and installation	1,632.48	
11 53 13 11-0181	EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I) Note: Includes material and installation	622.18	
11 53 13 11-0182	EA	Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I) Note: Includes material and installation	622.18	
11 53 13 11-0183	EA	Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) Note: Includes material and installation	622.18	
11 53 13 11-0184	EA	Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) Note: Includes material and installation	694.34	
11 53 13 11-0185	EA	Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) Note: Includes material and installation	694.34	
11 53 13 11-0186	EA	Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I) Note: Includes material and installation	1,029.81	
11 53 13 11-0187	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) Note: Includes material and installation	1,053.22	
11 53 13 11-0188	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I) Note: Includes material and installation	1,080.52	
11 53 13 11-0189	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) Note: Includes material and installation	1,677.34	
11 53 13 11-0190	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) Note: Includes material and installation	1,741.71	
11 53 13 11-0191		**Base Cabinets For Fume Hoods (Kewaunee Scientific)** *(11 53 13 11-0001)*		
11 53 13 11-0192	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) Note: Includes material and installation	1,220.95	
11 53 13 11-0193	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) Note: Includes material and installation	1,488.16	
11 53 13 11-0194	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) Note: Includes material and installation	1,566.17	
11 53 13 11-0195	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) Note: Includes material and installation	1,616.88	

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11 53 13 11-0196	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) Note: Includes material and installation	1,765.11	
11 53 13 11-0197	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) Note: Includes material and installation	1,220.95	
11 53 13 11-0198	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) Note: Includes material and installation	1,488.16	
11 53 13 11-0199	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) Note: Includes material and installation	1,577.87	
11 53 13 11-0200	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) Note: Includes material and installation	1,616.88	
11 53 13 11-0201	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) Note: Includes material and installation	1,765.11	
11 53 13 11-0202	EA	15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) Note: Includes material and installation	1,228.75	
11 53 13 11-0203	EA	18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) Note: Includes material and installation	1,300.92	
11 53 13 11-0204	EA	21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) Note: Includes material and installation	1,357.48	
11 53 13 11-0205	EA	24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) Note: Includes material and installation	1,375.03	
11 53 13 11-0206	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) Note: Includes material and installation	2,972.41	
11 53 13 11-0207	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) Note: Includes material and installation	3,928.11	
11 53 13 11-0208	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) Note: Includes material and installation	4,105.59	
11 53 13 11-0209	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) Note: Includes material and installation	4,690.71	
11 53 13 11-0210	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) Note: Includes material and installation	2,350.23	
11 53 13 11-0211	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) Note: Includes material and installation	2,730.56	
11 53 13 11-0212	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) Note: Includes material and installation	2,777.37	
11 53 13 11-0213	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) Note: Includes material and installation	2,941.20	
11 53 13 11-0214	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) Note: Includes material and installation	3,222.06	
11 53 13 11-0215	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) Note: Includes material and installation	2,116.18	
11 53 13 11-0216	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) Note: Includes material and installation	2,395.09	
11 53 13 11-0217	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0) Note: Includes material and installation	2,490.66	
11 53 13 11-0218	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0) Note: Includes material and installation	2,648.64	
11 53 13 11-0219	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0) Note: Includes material and installation	2,853.44	
11 53 13 11-0220		Filters And Housing For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0221	EA	Painted CRS Filter Housing (Kewaunee Scientific X-016869) Note: Includes material and installation	1,927.00	
11 53 13 11-0222	EA	Stainless Steel Filter Housing (Kewaunee Scientific X-016868) Note: Includes material and installation	22,486.16	
11 53 13 11-0223	EA	High Efficiency Filter (Kewaunee Scientific 0864-00) Note: Includes material and installation	1,927.00	
11 53 13 11-0224	EA	Charcoal Absorber (Kewaunee Scientific 0855-00) Note: Includes material and installation	22,486.16	
11 53 13 11-0225	EA	Prefilter (Kewaunee Scientific 0863-00) Note: Includes material and installation	144.33	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0226		Centrifugal Fans For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0227	EA	1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1) Note: Includes material and installation	5,201.72	
11 53 13 11-0228	EA	1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1) Note: Includes material and installation	5,346.05	
11 53 13 11-0229	EA	1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1) Note: Includes material and installation	5,418.21	
11 53 13 11-0230	EA	3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1) Note: Includes material and installation	5,990.65	
11 53 13 11-0231	EA	1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1) Note: Includes material and installation	6,563.10	
11 53 13 11-0232	EA	1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1) Note: Includes material and installation	9,411.66	
11 53 13 11-0233	EA	2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1) Note: Includes material and installation	12,260.21	
11 53 13 11-0234		Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0235	EA	6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	865.98	
11 53 13 11-0236	EA	8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	949.84	
11 53 13 11-0237	EA	9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	967.40	
11 53 13 11-0238	EA	10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,064.92	
11 53 13 11-0239	EA	11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,172.27	
11 53 13 11-0240	EA	6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00) Note: Includes material and installation	1,240.45	
11 53 13 11-0241	EA	8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00) Note: Includes material and installation	1,349.68	
11 53 13 11-0242	EA	9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00) Note: Includes material and installation	1,480.35	
11 53 13 11-0243	EA	10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00) Note: Includes material and installation	1,554.47	
11 53 13 11-0244	EA	11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00) Note: Includes material and installation	1,583.72	
11 53 13 11-0245	EA	11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00) Note: Includes material and installation	961.55	
11 53 13 11-0246	EA	11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) Note: Includes material and installation	992.75	
11 53 13 11-0247	EA	11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) Note: Includes material and installation	1,012.26	
11 53 13 11-0248	EA	11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) Note: Includes material and installation	1,053.22	
11 53 13 11-0249	EA	11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) Note: Includes material and installation	1,140.98	
11 53 13 11-0250		Biological Fume Hoods And Cabinets *(11 53 13 11)* Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
11 53 13 11-0251		Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) *(11 53 13 11-0250)* Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252	EA	3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	17,931.90	843.98
11 53 13 11-0253	EA	4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	20,018.03	843.98
11 53 13 11-0254	EA	5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	23,765.41	956.41
11 53 13 11-0255	EA	6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	25,145.23	956.41
11 53 13 11-0256		Base Stands For Purifier® Logic® Biosafety Cabinets (VWR) *(11 53 13 11-0250)* Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257	EA	3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,513.50	123.80
11 53 13 11-0258	EA	4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,648.30	157.57
11 53 13 11-0259	EA	5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,746.07	191.33
11 53 13 11-0260	EA	6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,930.36	225.09
11 53 43		**Service Fittings and Accessories** *(11 53)*		
11 53 43 00-0001		Outlet And Valves *(11 53 43)*		
11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,037.78	
11 53 43 00-0003		Test And Certify *(11 53 43)*		
11 53 43 00-0004	EA	Test And Certify Medical Gas Port	57.43	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001 Fitness Systems *(11 66 13)*

11 66 13 00-0002 Components For Physical Fitness Activities *(11 66 13 00-0001)*

11 66 13 00-0003	EA	Sit And Reach	1,631.10	122.03
11 66 13 00-0004	EA	Isometric Squat	608.13	48.82
11 66 13 00-0005	EA	Log Jump	3,944.79	195.25
11 66 13 00-0006	EA	Step Up	888.77	97.62
11 66 13 00-0007	EA	Hip Rotation	4,329.42	170.85
11 66 13 00-0008	EA	Body Curl	1,601.55	97.62
11 66 13 00-0009	EA	Horizontal Ladder	5,235.51	195.25
11 66 13 00-0010	EA	Chin Up	3,964.06	195.25
11 66 13 00-0011	EA	Push Up	2,420.29	97.62
11 66 13 00-0012	EA	Leg Raise	3,384.83	146.44
11 66 13 00-0013	EA	Log Hop	1,532.82	48.82
11 66 13 00-0014	EA	Parallel Bar	3,254.80	146.44
11 66 13 00-0015	EA	Leg Stretch	1,370.38	97.62
11 66 13 00-0016	EA	Balance Beam	1,230.07	73.22
11 66 13 00-0017	EA	Log Roll	3,885.04	122.03

11 66 13 00-0018 Wall Mounted Equipment *(11 66 13)*

11 66 13 00-0019	SET	Parallel Bars, Wall Mounted	5,157.16	619.12
11 66 13 00-0020	EA	Exercise Ladder, Wall Mounted	3,944.72	12.90

11 66 23 Gymnasium Equipment *(11 66)*

11 66 23 13 Basketball Equipment *(11 66 23)*

11 66 23 13-0001 Basketball Equipment *(11 66 23 13)*

11 66 23 13-0002	EA	4' To 6' Extention, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46) Note: Includes rim and net.	4,187.54	928.68
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure Note: Includes rim and net.	7,256.63	928.68
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure Note: Includes rim and net.	8,860.36	1,238.24
		For Glass Backstop, Add	*500.00*	
		For Electrically Operated, Add	*2,297.81*	
		For Fiberglass Backstop, Add	*200.00*	

11 66 23 23 Volleyball Equipment *(11 66 23)*

11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only Note: Porter Athletic model # 717-003.	852.40	64.67
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair Note: Porter Athletic model # 00816-003.	191.79	14.55
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net Note: Porter Athletic model # 02255-000.	628.63	47.70
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair Note: Porter Athletic model # 02297-000.	111.09	4.65
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair Note: Porter Athletic model # 02296-100.	383.94	9.80
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net Note: Porter Athletic model # 02295-640.	711.70	46.43
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red Note: Porter Athletic model # 00839-103.	700.28	20.64
		For Colors Other Than Standard Red, Add *Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.*	*22.00*	
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard Note: Porter Athletic model # 00889-100.	1,405.14	51.59
11 66 23 23-0009	EA	Judge's Stand Padding Note: Porter Athletic model # 00993-103.	999.92	25.80
		For Colors Other Than Standard Red, Add *Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.*	*30.00*	
11 66 23 23-0010	EA	Power-Line Aluminum Uprights, One Pair Note: Porter Athletic model # 01991-000.	4,067.96	51.59
11 66 23 23-0011	EA	2-3/8" Round Ground/Floor Sleeve Note: Porter Athletic model # 00402-000.	234.32	4.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 23-0012	EA	3-1/2" Round Ground/Floor Sleeve Note: Porter Athletic model # 00403-000.	271.82	4.65
11 66 23 23-0013	EA	4" Round Ground/Floor Sleeve Note: Porter Athletic model # 00404-000.	293.25	4.65

11 66 23 53 Wall Padding *(11 66 23)*

11 66 23 53-0001 Gymnasium Wall Padding *(11 66 23 53)*
Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	16.32	1.79
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*5.58*	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	21.99	1.97
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*5.58*	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	25.65	1.79
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*5.58*	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	40.34	1.97
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*5.58*	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	32.87	1.79
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*5.58*	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	48.97	1.97
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*5.58*	

11 66 23 53-0008 Gymnasium Wall Padding Accessories *(11 66 23 53)*

11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	9.83	2.61
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	15.29	2.61
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	15.98	2.61
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads	52.04	

11 66 43 Interior Scoreboards *(11 66)*

11 66 43 00-0001 Scoreboards *(11 66 43)*

11 66 43 00-0002	EA	8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	5,420.36	374.48
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*923.13*	
11 66 43 00-0003	EA	8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	7,921.52	624.13
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*923.13*	
11 66 43 00-0004	EA	12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	12,397.09	748.96
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*923.13*	

11 66 53 Gymnasium Dividers *(11 66)*

11 66 53 11 Gymnasium Dividers *(11 66 53)*

11 66 53 11-0001 Gymnasium Dividers *(11 66 53 11)*

11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	8.64	1.09
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	15.71	1.09

11 68 Play Field Equipment and Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	319.87	65.91
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	496.79	65.91

11 68 13 00-0005 See-Saws *(11 68 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0006		**Steel See-Saw** *(11 68 13 00-0005)*		
11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,718.85	405.63
11 68 13 00-0008	EA	4 Unit Steel See-Saw	4,432.33	479.35
11 68 13 00-0009	EA	6 Unit Steel See-Saw	6,158.30	585.88
11 68 13 00-0010		**14' Long Laminated Beam** *(11 68 13 00-0005)*		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,918.78	358.66
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	2,014.41	319.50
11 68 13 00-0013		**Slides** *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	3,261.52	463.82
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	4,565.42	659.12
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	5,056.06	732.35
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	6,363.42	811.25
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	23,019.45	1,276.15
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	20,082.94	1,316.48
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	25,303.58	1,383.66
11 68 13 00-0021		**Whirlers** *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	7,352.73	878.83
11 68 13 00-0023	EA	10' Diameter Whirler	8,533.30	1,054.59
11 68 13 00-0024		**Other Standalone Playground Equipment** *(11 68 13 00-0001)*		
11 68 13 00-0025		**Miscellaneous Standalone Playground Equipment** *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	2,356.07	234.79
11 68 13 00-0027	EA	Tether Ball Post	398.21	45.89
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	606.05	81.14
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	10,126.55	229.27
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	746.88	122.52
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	1,012.06	146.44
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,364.86	195.25
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,998.46	268.47
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	2,119.14	111.78
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,333.51	120.67
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	2,281.53	129.36
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,291.86	111.29
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	2,821.07	145.75
11 68 13 00-0039	EA	Coil Spring Assembly Only	577.33	53.60
11 68 13 00-0040	EA	"C" Spring Assembly Only	383.60	35.73
11 68 13 00-0041	EA	Rubber Spring Assembly Only	267.91	69.70
11 68 13 00-0042	EA	Footbuck Assembly Only	99.69	9.37
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,595.33	134.04
11 68 13 00-0044		**Freestanding Panels** *(11 68 13 00-0024)*		
		Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA	Tic-Tac-Toe Panel	1,105.07	57.40
11 68 13 00-0046	EA	24" Bubble Panel	1,655.46	86.01
11 68 13 00-0047	EA	Fire Engine Panel	2,429.44	126.23
11 68 13 00-0048	EA	Flat Mirror Panel	1,943.56	101.04
11 68 13 00-0049	EA	Wavy Mirror Panel	2,876.62	149.57
11 68 13 00-0050	EA	Paint Time Panel	1,866.14	97.04
11 68 13 00-0051	EA	Phone Time Panel	1,324.37	68.82
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,324.37	68.82
11 68 13 00-0053	EA	Race Time Panel	2,321.94	120.67
11 68 13 00-0054	EA	Rescue 911 Panel	2,356.62	120.67
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	1,268.46	65.90
11 68 13 00-0056	EA	Career People Panel	1,440.45	74.88
11 68 13 00-0057	EA	Solar System Panel	1,440.45	74.88
11 68 13 00-0058	EA	Animals Panel	1,440.45	74.88
11 68 13 00-0059		**Freestanding Panels Uprights** *(11 68 13 00-0024)*		
11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	341.76	32.22
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	370.25	34.85
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	370.25	34.85
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	393.98	37.10
11 68 13 00-0064		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	8,552.67	390.50
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	9,559.89	488.13
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	13,838.29	585.75
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	15,732.20	732.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0069		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	1,553.13	260.86
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,413.27	319.43
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,536.90	260.86
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,653.98	319.43
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,773.49	260.57
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,990.21	260.66
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	2,322.27	260.66
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,539.35	260.57
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	3,064.61	305.07
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	2,497.19	227.81
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,533.72	227.81
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,775.58	227.81
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,604.03	292.88
11 68 13 00-0083	EA	2-Way Climber	2,183.80	234.79
11 68 13 00-0084	EA	4-Way Climber	3,496.72	234.79
11 68 13 00-0085		**Swings** *(11 68 13 00-0001)*		
11 68 13 00-0086		**Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	2,040.33	358.66
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*237.95*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*271.62*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	3,260.70	513.23
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*381.95*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*442.45*	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	4,510.44	755.21
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*527.83*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*609.45*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	5,655.48	878.83
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*662.98*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*769.95*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	2,180.23	358.66
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*255.44*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*296.10*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	3,403.93	546.63
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*397.41*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*455.30*	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	4,695.47	848.84
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*546.50*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*619.53*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	6,227.23	1,025.30
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*727.12*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*833.34*	
11 68 13 00-0095		**Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	2,348.14	316.77
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*277.68*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*331.72*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	3,408.18	459.63
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*403.04*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*481.53*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	4,546.72	614.69
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*537.61*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*642.00*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	5,687.13	732.35
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*674.27*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*812.13*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	2,648.09	357.00
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*313.16*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*374.17*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	2,767.89	378.58
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*327.95*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*394.21*	
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	3,696.63	499.76
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*437.09*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*521.96*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	4,455.71	576.12
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*529.52*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*642.52*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	4,920.71	664.88
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*581.84*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*694.90*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	6,143.71	732.64
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*731.34*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*892.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	6,235.46	878.83
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*735.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*871.45*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	2,896.18	387.75
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*343.55*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*414.46*	
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	4,712.51	623.87
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*559.35*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*676.10*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	6,846.45	999.22
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*806.98*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*954.01*	
11 68 13 00-0110		**Swing Accessories** *(11 68 13 00-0085)*		
11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	698.53	29.44
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	580.71	24.48
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	618.58	26.13
11 68 13 00-0114	EA	Seat With Chain And Hardware	610.17	25.75
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	644.07	27.20
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,923.07	81.12
11 68 13 00-0117	LF	0.4 LB/LF Replacement Chain	7.98	0.58
11 68 13 00-0118	LF	1 LB/LF Replacement Chain	14.83	1.16
11 68 13 00-0119	EA	Swing Hanger Replacement	86.70	6.70
11 68 13 00-0120		**Playground Equipment (Landscape Structures®)** *(11 68 13)* Note: Excludes excavation and concrete footings.		
11 68 13 00-0121		**Playground Equipment (Landscape Structures® PlayShaper®)** *(11 68 13 00-0120)* Note: Ages 2 to 5 years.		
11 68 13 00-0122	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	3,002.54	130.00
11 68 13 00-0123	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	7,599.08	487.51
11 68 13 00-0124	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	3,130.42	130.00
11 68 13 00-0125	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	3,576.70	195.00
11 68 13 00-0126	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	3,037.80	195.00
11 68 13 00-0127	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	2,408.83	130.00
11 68 13 00-0128	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,673.72	130.00
11 68 13 00-0129	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	2,052.60	130.00
11 68 13 00-0130	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	5,828.99	390.01
11 68 13 00-0131	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	6,724.12	390.01
11 68 13 00-0132	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	7,244.76	390.01
11 68 13 00-0133	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	2,063.01	65.00
11 68 13 00-0134	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	2,098.27	130.00
11 68 13 00-0135	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,782.05	195.00
11 68 13 00-0136	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	3,101.74	195.00
11 68 13 00-0137	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	3,457.96	195.00
11 68 13 00-0138	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	1,997.80	130.00
11 68 13 00-0139	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	8,347.44	520.01
11 68 13 00-0140	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	1,166.61	130.00
11 68 13 00-0141	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,231.81	65.00
11 68 13 00-0142	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,858.62	162.50
11 68 13 00-0143	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,881.89	227.50
11 68 13 00-0144	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	3,365.99	227.50
11 68 13 00-0145	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,139.55	130.00
11 68 13 00-0146	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	3,377.03	130.00
11 68 13 00-0147	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,541.10	130.00
11 68 13 00-0148	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,796.85	130.00
11 68 13 00-0149	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	802.85	54.17
11 68 13 00-0150	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,486.93	97.50
11 68 13 00-0151	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,251.33	249.17
11 68 13 00-0152	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,653.22	249.17
11 68 13 00-0153	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	2,372.29	130.00
11 68 13 00-0154	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	5,046.12	130.00
11 68 13 00-0155	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	3,514.04	130.00
11 68 13 00-0156	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	1,107.40	162.50
11 68 13 00-0157	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	1,138.57	162.50
11 68 13 00-0158	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	1,192.77	162.50
11 68 13 00-0159	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,195.92	32.50
11 68 13 00-0160	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	437.80	32.50
11 68 13 00-0161	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	4,271.79	227.50
11 68 13 00-0162	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	2,234.23	162.50
11 68 13 00-0163	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,361.85	54.17
11 68 13 00-0164	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,684.12	65.00
11 68 13 00-0165	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	375.02	40.95
11 68 13 00-0166	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	2,081.27	65.00
11 68 13 00-0167	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	829.28	97.50
11 68 13 00-0168	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,578.92	97.50
11 68 13 00-0169	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	5,767.60	260.00
11 68 13 00-0170	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	5,767.60	260.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0171	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,628.05	130.00
11 68 13 00-0172	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,970.40	130.00
11 68 13 00-0173	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	2,017.34	65.00
11 68 13 00-0174	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,611.05	65.00
11 68 13 00-0175	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,883.80	130.00
11 68 13 00-0176	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	4,753.72	260.00
11 68 13 00-0177	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	4,753.72	260.00
11 68 13 00-0178	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	4,753.72	260.00
11 68 13 00-0179	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	4,753.72	260.00
11 68 13 00-0180	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	912.77	32.50
11 68 13 00-0181	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,397.19	21.67
11 68 13 00-0182	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,616.41	21.67
11 68 13 00-0183	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,762.55	21.67
11 68 13 00-0184	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	958.44	32.50
11 68 13 00-0185	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	757.81	21.67
11 68 13 00-0186	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	2,210.12	21.67
11 68 13 00-0187	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	602.53	21.67
11 68 13 00-0188	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	711.82	32.50
11 68 13 00-0189	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,881.29	21.67
11 68 13 00-0190	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,177.65	32.50
11 68 13 00-0191	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,633.71	65.00
11 68 13 00-0192	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,752.78	54.17
11 68 13 00-0193	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,687.88	97.50
11 68 13 00-0194	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	1,223.64	21.67
11 68 13 00-0195	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,826.17	32.50
11 68 13 00-0196	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,250.72	32.50
11 68 13 00-0197	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,597.17	65.00
11 68 13 00-0198	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	547.41	32.50
11 68 13 00-0199	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,688.84	54.17
11 68 13 00-0200	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,295.44	86.67
11 68 13 00-0201	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,570.74	21.67
11 68 13 00-0202	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	602.53	21.67
11 68 13 00-0203	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	830.56	32.50
11 68 13 00-0204	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	602.53	21.67
11 68 13 00-0205	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	776.08	21.67
11 68 13 00-0206	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,468.66	97.50
11 68 13 00-0207	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,597.82	32.50
11 68 13 00-0208	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,214.19	32.50
11 68 13 00-0209	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,168.21	54.17
11 68 13 00-0210	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	674.97	54.17
11 68 13 00-0211	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	593.08	32.50
11 68 13 00-0212	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,642.21	97.50
11 68 13 00-0213	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,907.09	97.50
11 68 13 00-0214	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	547.73	21.67
11 68 13 00-0215	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	766.94	21.67
11 68 13 00-0216	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	158.62	21.67
11 68 13 00-0217	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	885.36	32.50
11 68 13 00-0218	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,177.34	54.17
11 68 13 00-0219	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	674.97	54.17
11 68 13 00-0220	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	939.86	54.17
11 68 13 00-0221	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	154.97	21.67
11 68 13 00-0222	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	291.98	21.67
11 68 13 00-0223	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	392.45	21.67
11 68 13 00-0224	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	228.04	21.67
11 68 13 00-0225	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	620.48	32.50
11 68 13 00-0226	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	638.75	32.50
11 68 13 00-0227	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	647.88	32.50
11 68 13 00-0228	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	666.15	32.50
11 68 13 00-0229	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	675.28	32.50
11 68 13 00-0230	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	693.55	32.50
11 68 13 00-0231	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	580.75	195.00
11 68 13 00-0232	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	939.52	65.00
11 68 13 00-0233	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,760.32	130.00
11 68 13 00-0234	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,952.13	130.00
11 68 13 00-0235	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,052.95	130.00
11 68 13 00-0236	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,710.60	130.00
11 68 13 00-0237	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,022.06	54.17
11 68 13 00-0238	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	976.39	54.17
11 68 13 00-0239	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	994.66	54.17
11 68 13 00-0240	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	803.16	32.50
11 68 13 00-0241	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,603.76	195.00
11 68 13 00-0242	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,466.75	195.00
11 68 13 00-0243	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,348.01	195.00
11 68 13 00-0244	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	191.50	21.67
11 68 13 00-0245	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	169.58	21.67

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0246	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	246.31	21.67
11 68 13 00-0247	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	206.12	21.67
11 68 13 00-0248	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	301.11	21.67
11 68 13 00-0249	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,027.40	260.00
11 68 13 00-0250	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,456.69	260.00
11 68 13 00-0251	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,639.37	260.00
11 68 13 00-0252	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,825.52	65.00
11 68 13 00-0253	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,788.99	65.00
11 68 13 00-0254	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,770.72	65.00
11 68 13 00-0255	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,743.32	65.00
11 68 13 00-0256	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,715.91	65.00
11 68 13 00-0257	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,697.65	65.00
11 68 13 00-0258	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,679.38	65.00
11 68 13 00-0259	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,661.11	65.00
11 68 13 00-0260	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	410.40	32.50
11 68 13 00-0261	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	392.13	32.50
11 68 13 00-0262	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	364.73	32.50
11 68 13 00-0263	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	355.59	32.50
11 68 13 00-0264	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	346.46	32.50
11 68 13 00-0265	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	337.32	32.50
11 68 13 00-0266	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	745.16	195.00
11 68 13 00-0267	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	708.63	195.00
11 68 13 00-0268	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	699.49	195.00
11 68 13 00-0269	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	419.53	32.50
11 68 13 00-0270	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	410.40	32.50
11 68 13 00-0271	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	392.13	32.50
11 68 13 00-0272	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	364.73	32.50
11 68 13 00-0273	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	355.59	32.50
11 68 13 00-0274	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	483.47	32.50
11 68 13 00-0275	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	474.33	32.50
11 68 13 00-0276	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	446.93	32.50
11 68 13 00-0277	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	437.80	32.50
11 68 13 00-0278	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	428.66	32.50
11 68 13 00-0279	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	410.40	32.50
11 68 13 00-0280	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	392.13	32.50
11 68 13 00-0281	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	364.73	32.50
11 68 13 00-0282	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,616.93	226.39
11 68 13 00-0283	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,582.74	223.47
11 68 13 00-0284	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,103.85	182.08
11 68 13 00-0285	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,069.57	179.05
11 68 13 00-0286	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	427.59	37.00
11 68 13 00-0287	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	410.49	35.54
11 68 13 00-0288	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	465.22	40.22
11 68 13 00-0289	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	444.70	38.46
11 68 13 00-0290	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	8,917.55	325.00
11 68 13 00-0291	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,745.86	195.00

11 68 13 00-0292 Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-0120)*

11 68 13 00-0293	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	3,857.31	325.00
11 68 13 00-0294	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	4,359.68	325.00
11 68 13 00-0295	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	5,354.02	390.01
11 68 13 00-0296	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	4,013.87	260.00
11 68 13 00-0297	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,498.52	433.34
11 68 13 00-0298	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,480.97	195.00
11 68 13 00-0299	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	11,981.49	585.01
11 68 13 00-0300	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	10,788.75	390.01
11 68 13 00-0301	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	7,940.21	325.00
11 68 13 00-0302	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,364.48	357.51
11 68 13 00-0303	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	12,213.03	422.51
11 68 13 00-0304	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	13,637.29	455.01
11 68 13 00-0305	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,514.73	390.01
11 68 13 00-0306	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,757.53	325.00
11 68 13 00-0307	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	9,136.13	357.51
11 68 13 00-0308	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	11,893.34	422.51
11 68 13 00-0309	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	13,271.93	455.01
11 68 13 00-0310	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	437.49	54.17
11 68 13 00-0311	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	446.62	54.17
11 68 13 00-0312	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	455.75	54.17
11 68 13 00-0313	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	464.89	54.17
11 68 13 00-0314	EA	Track Ride Curved (Landscape Structures® 118093A)	4,390.91	130.00
11 68 13 00-0315	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,678.45	390.01
11 68 13 00-0316	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,495.77	390.01
11 68 13 00-0317	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,618.91	390.01
11 68 13 00-0318	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	5,253.55	390.01
11 68 13 00-0319	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	5,847.26	390.01
11 68 13 00-0320	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	5,664.58	390.01

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0321	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	555.90	65.00
11 68 13 00-0322	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	20,015.60	780.02
11 68 13 00-0323	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	17,313.43	1,170.03
11 68 13 00-0324	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	5,814.77	650.01
11 68 13 00-0325	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	7,101.16	260.00
11 68 13 00-0326	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	11,496.12	650.01
11 68 13 00-0327	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	729.13	86.67
11 68 13 00-0328	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	2,343.61	195.00
11 68 13 00-0329	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	2,973.86	195.00
11 68 13 00-0330	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	635.56	195.00
11 68 13 00-0331	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	891.31	195.00
11 68 13 00-0332	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	1,280.26	390.01
11 68 13 00-0333	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	1,837.43	390.01
11 68 13 00-0334	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	1,280.26	390.01
11 68 13 00-0335	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	1,837.43	390.01
11 68 13 00-0336	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	5,744.25	520.01
11 68 13 00-0337	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	5,573.24	390.01
11 68 13 00-0338	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	2,561.56	260.00
11 68 13 00-0339	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	1,030.86	65.00
11 68 13 00-0340	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	902.35	97.50
11 68 13 00-0341	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	14,878.25	520.01
11 68 13 00-0342	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	15,491.49	455.01
11 68 13 00-0343	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	4,148.33	390.01
11 68 13 00-0344	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	4,248.81	390.01
11 68 13 00-0345	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	4,999.06	325.00
11 68 13 00-0346	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	3,511.50	260.00
11 68 13 00-0347	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,505.83	65.00
11 68 13 00-0348	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	2,226.15	130.00
11 68 13 00-0349	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	2,134.81	130.00
11 68 13 00-0350	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	592.76	54.17
11 68 13 00-0351	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	7,945.54	520.01
11 68 13 00-0352	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,823.90	390.01
11 68 13 00-0353	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,641.22	390.01
11 68 13 00-0354	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	3,317.14	390.01
11 68 13 00-0355	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	2,209.15	65.00
11 68 13 00-0356	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	3,083.47	195.00
11 68 13 00-0357	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	5,557.51	260.00
11 68 13 00-0358	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	8,022.42	325.00
11 68 13 00-0359	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	3,249.16	130.00
11 68 13 00-0360	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,801.59	130.00
11 68 13 00-0361	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	3,596.25	130.00
11 68 13 00-0362	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	3,103.01	130.00
11 68 13 00-0363	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	4,345.24	130.00
11 68 13 00-0364	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,870.27	130.00
11 68 13 00-0365	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	410.72	21.67
11 68 13 00-0366	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	337.65	21.67
11 68 13 00-0367	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,540.47	162.50
11 68 13 00-0368	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,377.32	97.50
11 68 13 00-0369	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,430.86	162.50
11 68 13 00-0370	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	2,106.13	195.00
11 68 13 00-0371	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	328.51	21.67
11 68 13 00-0372	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	273.71	21.67
11 68 13 00-0373	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,777.95	162.50
11 68 13 00-0374	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,804.71	195.00
11 68 13 00-0375	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,786.44	195.00
11 68 13 00-0376	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	2,106.13	195.00
11 68 13 00-0377	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,759.68	162.50
11 68 13 00-0378	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,786.44	195.00
11 68 13 00-0379	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,653.54	227.50
11 68 13 00-0380	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,782.05	195.00
11 68 13 00-0381	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	2,406.92	227.50
11 68 13 00-0382	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,526.29	195.00
11 68 13 00-0383	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,814.49	162.50
11 68 13 00-0384	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,477.16	130.00
11 68 13 00-0385	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,503.93	162.50
11 68 13 00-0386	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,485.66	162.50
11 68 13 00-0387	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,814.49	162.50
11 68 13 00-0388	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,468.03	130.00
11 68 13 00-0389	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,485.66	162.50
11 68 13 00-0390	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,860.16	162.50
11 68 13 00-0391	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,988.03	162.50
11 68 13 00-0392	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,896.69	162.50
11 68 13 00-0393	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,577.64	130.00
11 68 13 00-0394	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,696.38	130.00
11 68 13 00-0395	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,614.17	130.00
11 68 13 00-0396	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	11,594.05	780.02
11 68 13 00-0397	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	6,195.62	325.00
11 68 13 00-0398	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	7,492.64	325.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0399	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	22,736.49	1,300.03
11 68 13 00-0400	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,904.26	260.00
11 68 13 00-0401	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	2,142.67	195.00
11 68 13 00-0402	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	42,879.96	2,080.05
11 68 13 00-0403	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	23,626.53	1,560.03
11 68 13 00-0404	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	21,425.23	1,560.03
11 68 13 00-0405	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	10,229.04	520.01
11 68 13 00-0406	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,477.80	97.50
11 68 13 00-0407	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,651.34	97.50
11 68 13 00-0408	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	5,253.55	390.01
11 68 13 00-0409	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	1,112.44	97.50
11 68 13 00-0410	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	1,203.78	97.50
11 68 13 00-0411	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	5,066.50	520.01
11 68 13 00-0412	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	4,913.05	520.01
11 68 13 00-0413	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	3,189.98	260.00
11 68 13 00-0414	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	3,036.53	260.00
11 68 13 00-0415	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,613.82	390.01
11 68 13 00-0416	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,767.27	390.01
11 68 13 00-0417	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,877.78	195.00
11 68 13 00-0418	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	2,031.23	195.00
11 68 13 00-0419	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	3,006.58	390.01
11 68 13 00-0420	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	3,160.03	390.01
11 68 13 00-0421	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	2,270.54	195.00
11 68 13 00-0422	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	2,423.99	195.00
11 68 13 00-0423	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	1,140.47	65.00
11 68 13 00-0424	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	5,808.18	520.01
11 68 13 00-0425	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	4,068.67	260.00
11 68 13 00-0426	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	5,278.41	520.01
11 68 13 00-0427	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,411.02	260.00
11 68 13 00-0428	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,625.50	260.00
11 68 13 00-0429	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,112.76	86.67
11 68 13 00-0430	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,969.76	162.50
11 68 13 00-0431	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	4,196.55	260.00
11 68 13 00-0432	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,689.78	260.00
11 68 13 00-0433	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	4,187.41	260.00
11 68 13 00-0434	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,680.65	260.00
11 68 13 00-0435	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	20,743.20	2,340.05
11 68 13 00-0436	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	20,140.35	2,340.05
11 68 13 00-0437	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	13,021.95	1,560.03
11 68 13 00-0438	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	13,277.71	1,560.03
11 68 13 00-0439	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,936.06	260.00
11 68 13 00-0440	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,844.72	260.00
11 68 13 00-0441	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	26.36	10.83
11 68 13 00-0442	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	83.78	10.83
11 68 13 00-0443	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,059.23	21.67
11 68 13 00-0444	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	583.94	32.50
11 68 13 00-0445	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	583.94	32.50
11 68 13 00-0446	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	547.41	32.50
11 68 13 00-0447	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,122.85	32.50
11 68 13 00-0448	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	949.30	32.50
11 68 13 00-0449	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	949.30	32.50
11 68 13 00-0450	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	319.38	21.67
11 68 13 00-0451	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	793.38	65.00
11 68 13 00-0452	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	410.40	32.50
11 68 13 00-0453	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	392.13	32.50
11 68 13 00-0454	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	127.56	21.67
11 68 13 00-0455	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	120.26	21.67
11 68 13 00-0456	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	10.44	3.25
11 68 13 00-0457	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.24	
11 68 13 00-0458	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	300.79	32.50
11 68 13 00-0459	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	100.16	16.26
11 68 13 00-0460	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	346.46	32.50
11 68 13 00-0461	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	291.65	32.50
11 68 13 00-0462	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,027.74	260.00
11 68 13 00-0463	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	182.37	16.26
11 68 13 00-0464	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	182.37	16.26
11 68 13 00-0465	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	182.37	16.26
11 68 13 00-0466	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	182.37	16.26
11 68 13 00-0467	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	182.37	16.26
11 68 13 00-0468	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	182.37	16.26
11 68 13 00-0469	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	191.50	16.26
11 68 13 00-0470	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,600.64	130.00
11 68 13 00-0471	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,677.37	130.00
11 68 13 00-0472	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	91.34	
11 68 13 00-0473	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,792.46	130.00
11 68 13 00-0474	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,869.18	130.00

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0475	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,394.02	195.00
11 68 13 00-0476	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	27,505.48	780.02
11 68 13 00-0477	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,545.03	520.01
11 68 13 00-0478	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,545.03	520.01
11 68 13 00-0479	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,125.68	130.00
11 68 13 00-0480	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,279.13	130.00
11 68 13 00-0481	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,363.16	130.00
11 68 13 00-0482	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,516.61	130.00
11 68 13 00-0483	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,222.68	65.00
11 68 13 00-0484	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,376.13	65.00
11 68 13 00-0485	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,304.88	65.00
11 68 13 00-0486	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,458.34	65.00
11 68 13 00-0487	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,217.02	130.00
11 68 13 00-0488	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,450.85	130.00
11 68 13 00-0489	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,454.50	130.00
11 68 13 00-0490	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,688.33	130.00
11 68 13 00-0491	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,295.75	65.00
11 68 13 00-0492	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,637.92	130.00
11 68 13 00-0493	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,377.96	65.00
11 68 13 00-0494	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,720.13	130.00
11 68 13 00-0495	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,308.36	130.00
11 68 13 00-0496	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,461.81	130.00
11 68 13 00-0497	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,545.84	130.00
11 68 13 00-0498	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,699.29	130.00
11 68 13 00-0499	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,396.22	65.00
11 68 13 00-0500	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,658.02	130.00
11 68 13 00-0501	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,478.43	65.00
11 68 13 00-0502	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,740.22	130.00
11 68 13 00-0503	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,399.70	130.00
11 68 13 00-0504	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,633.53	130.00
11 68 13 00-0505	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,637.18	130.00
11 68 13 00-0506	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,871.01	130.00
11 68 13 00-0507	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,478.43	65.00
11 68 13 00-0508	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,820.60	130.00
11 68 13 00-0509	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,668.98	130.00
11 68 13 00-0510	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,902.81	130.00
11 68 13 00-0511	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,125.68	130.00
11 68 13 00-0512	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,363.16	130.00
11 68 13 00-0513	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,796.85	130.00
11 68 13 00-0514	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	2,043.47	130.00
11 68 13 00-0515	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,815.12	130.00
11 68 13 00-0516	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	2,061.74	130.00
11 68 13 00-0517	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,796.85	130.00
11 68 13 00-0518	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	2,043.47	130.00
11 68 13 00-0519	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,125.68	130.00
11 68 13 00-0520	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,363.16	130.00
11 68 13 00-0521	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,952.13	130.00
11 68 13 00-0522	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,171.35	130.00
11 68 13 00-0523	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	2,061.74	130.00
11 68 13 00-0524	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,299.22	130.00
11 68 13 00-0525	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,979.53	130.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0526	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,207.88	130.00
11 68 13 00-0527	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	2,052.60	130.00
11 68 13 00-0528	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,838.13	130.00
11 68 13 00-0529	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,396.22	65.00
11 68 13 00-0530	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,405.36	65.00
11 68 13 00-0531	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,414.49	65.00
11 68 13 00-0532	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,545.84	130.00
11 68 13 00-0533	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,380.50	195.00
11 68 13 00-0534	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,617.06	260.00
11 68 13 00-0535	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	8,250.77	325.00
11 68 13 00-0536	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	410.40	32.50
11 68 13 00-0537	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	428.66	32.50
11 68 13 00-0538	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,448.95	520.01
11 68 13 00-0539	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,640.07	260.00
11 68 13 00-0540	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	7,885.41	325.00
11 68 13 00-0541	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	8,013.28	325.00
11 68 13 00-0542	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	9,748.74	325.00
11 68 13 00-0543	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	9,876.62	325.00
11 68 13 00-0544	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	10,022.76	325.00
11 68 13 00-0545	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,387.20	390.01
11 68 13 00-0546	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,533.34	390.01
11 68 13 00-0547	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,670.35	390.01
11 68 13 00-0548	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,326.62	130.00
11 68 13 00-0549	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	2,006.93	130.00
11 68 13 00-0550	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,902.07	130.00
11 68 13 00-0551	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	2,006.93	130.00
11 68 13 00-0552	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,271.82	130.00
11 68 13 00-0553	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,952.13	130.00
11 68 13 00-0554	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,847.26	130.00
11 68 13 00-0555	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,952.13	130.00
11 68 13 00-0556	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,403.16	195.00
11 68 13 00-0557	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,348.35	195.00
11 68 13 00-0558	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	5,840.67	260.00
11 68 13 00-0559	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,785.86	260.00
11 68 13 00-0560	EA	The Peak Natural Climber (Landscape Structures® 160418A)	8,451.71	325.00
11 68 13 00-0561	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,280.02	195.00
11 68 13 00-0562	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,479.46	325.00
11 68 13 00-0563	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,731.41	260.00
11 68 13 00-0564	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,329.51	260.00
11 68 13 00-0565	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,731.41	260.00
11 68 13 00-0566	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,329.51	260.00
11 68 13 00-0567	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,179.55	195.00
11 68 13 00-0568	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,768.52	195.00
11 68 13 00-0569	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,666.54	325.00
11 68 13 00-0570	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,264.64	325.00
11 68 13 00-0571	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,768.52	195.00
11 68 13 00-0572	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,366.62	195.00
11 68 13 00-0573	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	3,668.04	195.00
11 68 13 00-0574	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,366.62	195.00
11 68 13 00-0575	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,380.50	195.00
11 68 13 00-0576	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,581.44	195.00
11 68 13 00-0577	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,467.10	195.00
11 68 13 00-0578	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,366.62	195.00
11 68 13 00-0579	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,380.50	195.00
11 68 13 00-0580	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,581.44	195.00
11 68 13 00-0581	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,632.44	130.00
11 68 13 00-0582	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	1,122.20	65.00
11 68 13 00-0583	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	1,003.46	65.00
11 68 13 00-0584	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	1,295.75	65.00
11 68 13 00-0585	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,650.71	130.00
11 68 13 00-0586	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	2,500.17	130.00
11 68 13 00-0587	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,682.85	130.00
11 68 13 00-0588	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,915.59	130.00
11 68 13 00-0589	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	1,933.86	130.00
11 68 13 00-0590		Playground Equipment (Landscape Structures® PlayBooster®) *(11 68 13 00-0120)*		
11 68 13 00-0591	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,787.72	130.00
11 68 13 00-0592	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,915.59	130.00
11 68 13 00-0593	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	765.98	65.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0594	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	729.44	65.00
11 68 13 00-0595	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	583.94	32.50
11 68 13 00-0596	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	574.81	32.50
11 68 13 00-0597	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	547.41	32.50
11 68 13 00-0598	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	538.27	32.50
11 68 13 00-0599	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	510.87	32.50
11 68 13 00-0600	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	501.74	32.50
11 68 13 00-0601	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	483.47	32.50
11 68 13 00-0602	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	474.33	32.50
11 68 13 00-0603	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	446.93	32.50
11 68 13 00-0604	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	437.80	32.50
11 68 13 00-0605	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	510.87	32.50
11 68 13 00-0606	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	492.60	32.50
11 68 13 00-0607	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	483.47	32.50
11 68 13 00-0608	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	474.33	32.50
11 68 13 00-0609	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	446.93	32.50
11 68 13 00-0610	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	437.80	32.50
11 68 13 00-0611	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	428.66	32.50
11 68 13 00-0612	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	410.40	32.50
11 68 13 00-0613	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	392.13	32.50
11 68 13 00-0614	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	364.73	32.50
11 68 13 00-0615	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	720.31	65.00
11 68 13 00-0616	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	692.91	65.00
11 68 13 00-0617	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	665.50	65.00
11 68 13 00-0618	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	593.08	32.50
11 68 13 00-0619	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	583.94	32.50
11 68 13 00-0620	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	565.67	32.50
11 68 13 00-0621	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	538.27	32.50
11 68 13 00-0622	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	529.14	32.50
11 68 13 00-0623	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	510.87	32.50
11 68 13 00-0624	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,759.42	216.67
11 68 13 00-0625	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	7,432.76	585.01
11 68 13 00-0626	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,463.00	162.50
11 68 13 00-0627	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,727.89	162.50
11 68 13 00-0628	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,165.67	195.00
11 68 13 00-0629	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,860.19	184.17
11 68 13 00-0630	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,398.76	195.00
11 68 13 00-0631	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,654.52	195.00
11 68 13 00-0632	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,211.38	216.67
11 68 13 00-0633	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,458.00	216.67
11 68 13 00-0634	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,301.80	281.67
11 68 13 00-0635	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,139.20	130.00
11 68 13 00-0636	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,166.61	130.00
11 68 13 00-0637	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,541.10	130.00
11 68 13 00-0638	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,586.77	130.00
11 68 13 00-0639	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	5,828.99	390.01
11 68 13 00-0640	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,724.12	390.01
11 68 13 00-0641	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	7,244.76	390.01
11 68 13 00-0642	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,557.52	520.01
11 68 13 00-0643	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	8,767.60	520.01
11 68 13 00-0644	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	10,247.31	520.01
11 68 13 00-0645	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	12,080.70	650.01
11 68 13 00-0646	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,530.17	292.50
11 68 13 00-0647	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	11,985.94	357.51
11 68 13 00-0648	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	2,098.27	130.00
11 68 13 00-0649	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,782.05	195.00
11 68 13 00-0650	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	3,101.74	195.00
11 68 13 00-0651	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,457.96	195.00
11 68 13 00-0652	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,922.53	260.00
11 68 13 00-0653	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	4,086.94	260.00
11 68 13 00-0654	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,671.52	260.00
11 68 13 00-0655	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,583.64	325.00
11 68 13 00-0656	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	8,311.53	487.51
11 68 13 00-0657	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,632.18	444.17
11 68 13 00-0658	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,544.28	487.51
11 68 13 00-0659	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	7,837.52	444.17
11 68 13 00-0660	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,983.64	162.50
11 68 13 00-0661	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,248.52	162.50
11 68 13 00-0662	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	4,015.78	162.50
11 68 13 00-0663	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,303.33	162.50
11 68 13 00-0664	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,568.21	162.50
11 68 13 00-0665	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,353.74	162.50
11 68 13 00-0666	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,367.27	162.50
11 68 13 00-0667	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,568.21	162.50
11 68 13 00-0668	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	4,106.81	184.17
11 68 13 00-0669	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,343.96	195.00
11 68 13 00-0670	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	4,855.46	195.00
11 68 13 00-0671	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	5,029.01	195.00
11 68 13 00-0672	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,635.33	260.00
11 68 13 00-0673	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,204.41	65.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0674	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,126.31	97.50
11 68 13 00-0675	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,809.79	195.00
11 68 13 00-0676	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	3,100.79	249.17
11 68 13 00-0677	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,612.29	249.17
11 68 13 00-0678	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,511.82	249.17
11 68 13 00-0679	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	4,041.59	249.17
11 68 13 00-0680	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,814.52	184.17
11 68 13 00-0681	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,741.12	195.00
11 68 13 00-0682	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	4,015.14	195.00
11 68 13 00-0683	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,508.37	195.00
11 68 13 00-0684	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,773.26	195.00
11 68 13 00-0685	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,813.84	195.00
11 68 13 00-0686	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,914.32	195.00
11 68 13 00-0687	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	2,042.19	195.00
11 68 13 00-0688	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,471.49	195.00
11 68 13 00-0689	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,571.96	195.00
11 68 13 00-0690	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,699.84	195.00
11 68 13 00-0691	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,800.31	195.00
11 68 13 00-0692	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	4,013.87	260.00
11 68 13 00-0693	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	5,164.75	260.00
11 68 13 00-0694	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	5,840.67	260.00
11 68 13 00-0695	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,311.24	260.00
11 68 13 00-0696	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,598.79	260.00
11 68 13 00-0697	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,840.67	260.00
11 68 13 00-0698	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,055.14	260.00
11 68 13 00-0699	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,037.22	260.00
11 68 13 00-0700	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,598.79	260.00
11 68 13 00-0701	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,160.36	260.00
11 68 13 00-0702	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,101.74	195.00
11 68 13 00-0703	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,024.27	195.00
11 68 13 00-0704	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,417.33	162.50
11 68 13 00-0705	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,070.56	151.67
11 68 13 00-0706	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,783.01	151.67
11 68 13 00-0707	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,463.32	151.67
11 68 13 00-0708	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,188.98	162.50
11 68 13 00-0709	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,298.59	162.50
11 68 13 00-0710	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,389.93	162.50
11 68 13 00-0711	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,385.19	162.50
11 68 13 00-0712	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,458.26	162.50
11 68 13 00-0713	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,577.00	162.50
11 68 13 00-0714	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,777.95	162.50
11 68 13 00-0715	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,851.02	162.50
11 68 13 00-0716	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,951.50	162.50
11 68 13 00-0717	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,389.93	162.50
11 68 13 00-0718	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,408.20	162.50
11 68 13 00-0719	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,837.49	162.50
11 68 13 00-0720	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,855.76	162.50
11 68 13 00-0721	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,773.56	162.50
11 68 13 00-0722	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,819.23	162.50
11 68 13 00-0723	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,248.52	162.50
11 68 13 00-0724	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,275.93	162.50
11 68 13 00-0725	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,439.41	227.50
11 68 13 00-0726	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,452.93	227.50
11 68 13 00-0727	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,559.37	130.00
11 68 13 00-0728	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,760.32	130.00
11 68 13 00-0729	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,961.26	130.00
11 68 13 00-0730	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,217.02	130.00
11 68 13 00-0731	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,310.26	292.50
11 68 13 00-0732	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,323.56	97.50
11 68 13 00-0733	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,256.44	260.00
11 68 13 00-0734	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,256.44	260.00
11 68 13 00-0735	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,256.44	260.00
11 68 13 00-0736	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,323.56	97.50
11 68 13 00-0737	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,619.26	130.00
11 68 13 00-0738	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,460.28	130.00
11 68 13 00-0739	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,230.60	162.50
11 68 13 00-0740	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	236.85	32.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0741	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	273.39	32.50
11 68 13 00-0742	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,031.51	32.50
11 68 13 00-0743	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	364.73	32.50
11 68 13 00-0744	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,247.88	195.00
11 68 13 00-0745	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,485.36	195.00
11 68 13 00-0746	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,649.78	195.00
11 68 13 00-0747	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	3,987.73	195.00
11 68 13 00-0748	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,649.78	195.00
11 68 13 00-0749	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,914.66	195.00
11 68 13 00-0750	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,824.89	97.50
11 68 13 00-0751	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,592.14	97.50
11 68 13 00-0752	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,368.53	97.50
11 68 13 00-0753	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,135.79	97.50
11 68 13 00-0754	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,760.95	97.50
11 68 13 00-0755	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	2,016.70	97.50
11 68 13 00-0756	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,281.59	97.50
11 68 13 00-0757	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,391.20	97.50
11 68 13 00-0758	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,108.04	97.50
11 68 13 00-0759	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,382.06	97.50
11 68 13 00-0760	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,637.81	97.50
11 68 13 00-0761	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,893.57	97.50
11 68 13 00-0762	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	4,991.84	227.50
11 68 13 00-0763	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	5,119.72	227.50
11 68 13 00-0764	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	5,046.64	227.50
11 68 13 00-0765	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,804.77	227.50
11 68 13 00-0766	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	5,932.64	227.50
11 68 13 00-0767	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	5,877.84	227.50
11 68 13 00-0768	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,933.23	162.50
11 68 13 00-0769	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	2,125.04	162.50
11 68 13 00-0770	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	2,325.99	162.50
11 68 13 00-0771	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,498.89	195.00
11 68 13 00-0772	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,699.84	195.00
11 68 13 00-0773	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,891.65	195.00
11 68 13 00-0774	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	2,335.12	162.50
11 68 13 00-0775	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,517.80	162.50
11 68 13 00-0776	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,727.89	162.50
11 68 13 00-0777	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,340.15	130.00
11 68 13 00-0778	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,742.05	130.00
11 68 13 00-0779	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,559.37	130.00
11 68 13 00-0780	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,687.24	130.00
11 68 13 00-0781	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,961.26	130.00
11 68 13 00-0782	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	2,070.87	130.00
11 68 13 00-0783	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,158.43	86.67
11 68 13 00-0784	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,277.17	86.67
11 68 13 00-0785	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,423.31	86.67
11 68 13 00-0786	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,706.15	97.50
11 68 13 00-0787	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,925.36	97.50
11 68 13 00-0788	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,126.31	97.50
11 68 13 00-0789	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,400.33	97.50
11 68 13 00-0790	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,500.80	97.50
11 68 13 00-0791	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,592.14	97.50
11 68 13 00-0792	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,902.70	97.50
11 68 13 00-0793	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	3,003.17	97.50
11 68 13 00-0794	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,472.13	162.50
11 68 13 00-0795	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,590.88	162.50
11 68 13 00-0796	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,384.89	195.00
11 68 13 00-0797	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,531.03	195.00
11 68 13 00-0798	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,874.03	162.50
11 68 13 00-0799	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,983.64	162.50
11 68 13 00-0800	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,312.75	130.00
11 68 13 00-0801	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,760.32	130.00
11 68 13 00-0802	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	2,216.70	151.67
11 68 13 00-0803	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,673.40	151.67
11 68 13 00-0804	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,134.81	130.00
11 68 13 00-0805	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,271.82	130.00
11 68 13 00-0806	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,591.51	130.00
11 68 13 00-0807	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,911.20	130.00
11 68 13 00-0808	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,545.84	130.00
11 68 13 00-0809	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,673.72	130.00
11 68 13 00-0810	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,993.41	130.00
11 68 13 00-0811	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,322.23	130.00
11 68 13 00-0812	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,587.32	195.00
11 68 13 00-0813	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,869.92	130.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0814	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,051.33	195.00
11 68 13 00-0815	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	8,347.44	520.01
11 68 13 00-0816	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,347.44	520.01
11 68 13 00-0817	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,668.98	130.00
11 68 13 00-0818	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,668.98	130.00
11 68 13 00-0819	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,842.52	130.00
11 68 13 00-0820	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,842.52	130.00
11 68 13 00-0821	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,075.90	97.50
11 68 13 00-0822	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,158.11	97.50
11 68 13 00-0823	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,212.91	97.50
11 68 13 00-0824	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,285.98	97.50
11 68 13 00-0825	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,687.88	97.50
11 68 13 00-0826	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,760.95	97.50
11 68 13 00-0827	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,824.89	97.50
11 68 13 00-0828	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,907.09	97.50
11 68 13 00-0829	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,468.66	97.50
11 68 13 00-0830	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,523.47	97.50
11 68 13 00-0831	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,605.67	97.50
11 68 13 00-0832	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,687.88	97.50
11 68 13 00-0833	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,248.18	162.50
11 68 13 00-0834	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,293.85	162.50
11 68 13 00-0835	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,376.05	162.50
11 68 13 00-0836	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,741.41	162.50
11 68 13 00-0837	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,814.49	162.50
11 68 13 00-0838	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,869.29	162.50
11 68 13 00-0839	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,933.23	162.50
11 68 13 00-0840	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	1,997.17	162.50
11 68 13 00-0841	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,061.10	162.50
11 68 13 00-0842	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,458.26	162.50
11 68 13 00-0843	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,531.33	162.50
11 68 13 00-0844	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,577.00	162.50
11 68 13 00-0845	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,622.67	162.50
11 68 13 00-0846	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,677.48	162.50
11 68 13 00-0847	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,759.68	162.50
11 68 13 00-0848	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,500.17	130.00
11 68 13 00-0849	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,760.95	97.50
11 68 13 00-0850	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,531.03	195.00
11 68 13 00-0851	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	884.72	65.00
11 68 13 00-0852	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,500.17	130.00
11 68 13 00-0853	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,499.24	195.00
11 68 13 00-0854	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,568.21	162.50
11 68 13 00-0855	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,384.89	195.00
11 68 13 00-0856	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,787.43	162.50
11 68 13 00-0857	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,444.73	162.50
11 68 13 00-0858	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,551.50	65.00
11 68 13 00-0859	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,514.97	65.00
11 68 13 00-0860	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,597.17	65.00
11 68 13 00-0861	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,231.81	65.00
11 68 13 00-0862	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,706.78	65.00
11 68 13 00-0863	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,368.82	65.00
11 68 13 00-0864	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,743.32	65.00
11 68 13 00-0865	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,568.21	162.50
11 68 13 00-0866	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,514.97	65.00
11 68 13 00-0867	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,620.82	32.50
11 68 13 00-0868	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,245.05	97.50
11 68 13 00-0869	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,989.30	97.50
11 68 13 00-0870	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,705.51	130.00
11 68 13 00-0871	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,796.85	130.00
11 68 13 00-0872	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,358.77	130.00
11 68 13 00-0873	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,778.93	130.00
11 68 13 00-0874	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,798.76	292.50
11 68 13 00-0875	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,104.28	325.00
11 68 13 00-0876	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,222.45	650.01
11 68 13 00-0877	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,244.76	390.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0878	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,875.93	65.00
11 68 13 00-0879	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,067.75	65.00
11 68 13 00-0880	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,595.96	162.50
11 68 13 00-0881	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,212.68	162.50
11 68 13 00-0882	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,930.10	97.50
11 68 13 00-0883	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,424.90	260.00
11 68 13 00-0884	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,119.08	260.00
11 68 13 00-0885	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	437.60	32.50
11 68 13 00-0886	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	655.74	97.50
11 68 13 00-0887	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	801.88	97.50
11 68 13 00-0888	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	637.47	97.50
11 68 13 00-0889	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,782.39	195.00
11 68 13 00-0890	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,060.52	227.50
11 68 13 00-0891	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,874.08	195.00
11 68 13 00-0892	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,408.59	195.00
11 68 13 00-0893	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,156.20	455.01
11 68 13 00-0894	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,762.51	520.01
11 68 13 00-0895	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,762.51	520.01
11 68 13 00-0896	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,291.70	65.00
11 68 13 00-0897	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,802.86	65.00
11 68 13 00-0898	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,219.84	227.50
11 68 13 00-0899	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,568.85	130.00
11 68 13 00-0900	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,235.63	130.00
11 68 13 00-0901	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,728.52	130.00
11 68 13 00-0902	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	6,964.15	260.00
11 68 13 00-0903	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	6,964.15	260.00
11 68 13 00-0904	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	6,964.15	260.00
11 68 13 00-0905	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	6,964.15	260.00
11 68 13 00-0906	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,452.93	227.50
11 68 13 00-0907	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,941.43	227.50
11 68 13 00-0908	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,069.31	227.50
11 68 13 00-0909	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,181.44	86.67
11 68 13 00-0910	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,071.83	86.67
11 68 13 00-0911	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,446.63	65.00
11 68 13 00-0912	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,889.46	65.00
11 68 13 00-0913	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,816.08	86.67
11 68 13 00-0914	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,679.07	86.67
11 68 13 00-0915	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,113.07	65.00
11 68 13 00-0916	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	820.78	65.00
11 68 13 00-0917	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	829.92	65.00
11 68 13 00-0918	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,597.17	65.00
11 68 13 00-0919	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,295.44	86.67
11 68 13 00-0920	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	994.33	65.00
11 68 13 00-0921	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	994.33	65.00
11 68 13 00-0922	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,514.97	65.00
11 68 13 00-0923	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,451.03	65.00
11 68 13 00-0924	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,715.91	65.00
11 68 13 00-0925	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,044.74	65.00
11 68 13 00-0926	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,889.46	65.00
11 68 13 00-0927	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,012.60	65.00
11 68 13 00-0928	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,697.01	97.50
11 68 13 00-0929	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,952.76	97.50
11 68 13 00-0930	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,231.81	65.00
11 68 13 00-0931	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,423.63	65.00
11 68 13 00-0932	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,140.47	65.00
11 68 13 00-0933	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	957.79	65.00
11 68 13 00-0934	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	912.12	65.00
11 68 13 00-0935	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,568.82	119.17
11 68 13 00-0936	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,108.04	97.50
11 68 13 00-0937	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,432.45	86.67
11 68 13 00-0938	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	820.78	65.00
11 68 13 00-0939	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	848.18	65.00
11 68 13 00-0940	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	410.40	32.50
11 68 13 00-0941	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	206.12	21.67
11 68 13 00-0942	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,076.87	54.17
11 68 13 00-0943	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,286.62	65.00
11 68 13 00-0944	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	930.39	65.00
11 68 13 00-0945	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,346.16	65.00
11 68 13 00-0946	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,044.74	65.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0947	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,556.24	65.00
11 68 13 00-0948	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	848.18	65.00
11 68 13 00-0949	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	911.81	86.67
11 68 13 00-0950	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,085.67	65.00
11 68 13 00-0951	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,167.56	86.67
11 68 13 00-0952	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	902.99	65.00
11 68 13 00-0953	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,158.74	65.00
11 68 13 00-0954	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	729.44	65.00
11 68 13 00-0955	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	930.08	86.67
11 68 13 00-0956	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	885.36	32.50
11 68 13 00-0957	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	634.64	32.50
11 68 13 00-0958	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,159.38	32.50
11 68 13 00-0959	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,962.86	54.17
11 68 13 00-0960	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,058.60	54.17
11 68 13 00-0961	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,615.77	54.17
11 68 13 00-0962	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,213.54	65.00
11 68 13 00-0963	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,478.43	65.00
11 68 13 00-0964	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,976.41	65.00
11 68 13 00-0965	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,204.44	86.67
11 68 13 00-0966	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,852.92	65.00
11 68 13 00-0967	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	948.35	86.67
11 68 13 00-0968	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,149.29	86.67
11 68 13 00-0969	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,213.23	86.67
11 68 13 00-0970	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,414.18	86.67
11 68 13 00-0971	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	1,012.60	65.00
11 68 13 00-0972	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	1,277.48	65.00
11 68 13 00-0973	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	638.75	32.50
11 68 13 00-0974	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	246.31	21.67
11 68 13 00-0975	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	273.71	21.67
11 68 13 00-0976	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	355.28	54.17
11 68 13 00-0977	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	346.15	54.17
11 68 13 00-0978	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,842.84	119.17
11 68 13 00-0979	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	792.75	97.50
11 68 13 00-0980	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	737.94	97.50
11 68 13 00-0981	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	948.66	65.00
11 68 13 00-0982	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	2,537.34	97.50
11 68 13 00-0983	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	894.50	32.50
11 68 13 00-0984	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	949.30	32.50
11 68 13 00-0985	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	675.28	32.50
11 68 13 00-0986	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	684.42	32.50
11 68 13 00-0987	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	693.55	32.50
11 68 13 00-0988	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	702.68	32.50
11 68 13 00-0989	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	711.82	32.50
11 68 13 00-0990	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	730.09	32.50
11 68 13 00-0991	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	739.22	32.50
11 68 13 00-0992	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	757.49	32.50
11 68 13 00-0993	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	766.62	32.50
11 68 13 00-0994	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	1,058.91	32.50
11 68 13 00-0995	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	3,219.21	260.00
11 68 13 00-0996	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,525.37	260.00
11 68 13 00-0997	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	3,713.71	195.00
11 68 13 00-0998	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,960.33	195.00
11 68 13 00-0999	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	6,170.13	227.50
11 68 13 00-1000	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	383.32	21.67
11 68 13 00-1001	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	15,284.18	780.02
11 68 13 00-1002	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	5,047.52	650.01
11 68 13 00-1003	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	26,164.27	1,170.03
11 68 13 00-1004	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	20,437.26	1,170.03
11 68 13 00-1005	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	19,332.04	1,170.03
11 68 13 00-1006	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	26,319.55	1,170.03
11 68 13 00-1007	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	20,592.53	1,170.03
11 68 13 00-1008	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	19,496.45	1,170.03
11 68 13 00-1009	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,341.42	65.00
11 68 13 00-1010	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	1,286.62	65.00
11 68 13 00-1011	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	1,250.08	65.00
11 68 13 00-1012	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	1,013.24	32.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1013	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	3,787.43	162.50
11 68 13 00-1014	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	1,003.79	54.17
11 68 13 00-1015	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	1,077.18	32.50
11 68 13 00-1016	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	756.84	65.00
11 68 13 00-1017	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	611.03	54.17
11 68 13 00-1018	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	757.18	54.17
11 68 13 00-1019	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	3,292.28	260.00
11 68 13 00-1020	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	3,730.71	260.00
11 68 13 00-1021	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	3,913.39	260.00
11 68 13 00-1022	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	3,639.37	260.00
11 68 13 00-1023	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	4,068.67	260.00
11 68 13 00-1024	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	4,223.95	260.00
11 68 13 00-1025	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,926.00	65.00
11 68 13 00-1026	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,862.06	65.00
11 68 13 00-1027	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,788.99	65.00
11 68 13 00-1028	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,770.72	65.00
11 68 13 00-1029	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,651.98	65.00
11 68 13 00-1030	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	638.43	54.17
11 68 13 00-1031	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	620.17	54.17
11 68 13 00-1032	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	611.03	54.17
11 68 13 00-1033	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	601.90	54.17
11 68 13 00-1034	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	592.76	54.17
11 68 13 00-1035	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	574.50	54.17
11 68 13 00-1036	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	565.36	54.17
11 68 13 00-1037	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	556.23	54.17
11 68 13 00-1038	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	537.96	54.17
11 68 13 00-1039	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	601.90	54.17
11 68 13 00-1040	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	592.76	54.17
11 68 13 00-1041	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	574.50	54.17
11 68 13 00-1042	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	565.36	54.17
11 68 13 00-1043	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	556.23	54.17
11 68 13 00-1044	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	537.96	54.17
11 68 13 00-1045	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	528.83	54.17
11 68 13 00-1046	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	519.69	54.17
11 68 13 00-1047	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	510.56	54.17
11 68 13 00-1048	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	474.33	32.50
11 68 13 00-1049	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	786.72	32.50
11 68 13 00-1050	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	437.80	32.50
11 68 13 00-1051	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	428.66	32.50
11 68 13 00-1052	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	419.53	32.50
11 68 13 00-1053	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	410.40	32.50
11 68 13 00-1054	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	392.13	32.50
11 68 13 00-1055	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	364.73	32.50
11 68 13 00-1056	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	346.46	32.50
11 68 13 00-1057	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	337.32	32.50
11 68 13 00-1058	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	538.27	32.50
11 68 13 00-1059	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	620.48	32.50
11 68 13 00-1060	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	547.41	32.50
11 68 13 00-1061	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	538.27	32.50
11 68 13 00-1062	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	529.14	32.50
11 68 13 00-1063	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	510.87	32.50
11 68 13 00-1064	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	501.74	32.50
11 68 13 00-1065	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	492.60	32.50
11 68 13 00-1066	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	483.47	32.50
11 68 13 00-1067	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	474.33	32.50
11 68 13 00-1068	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	446.93	32.50
11 68 13 00-1069	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	437.80	32.50
11 68 13 00-1070	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	2,479.81	1,170.03
11 68 13 00-1071	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	2,488.95	1,170.03
11 68 13 00-1072	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	2,507.21	1,170.03
11 68 13 00-1073	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	2,270.78	650.01
11 68 13 00-1074	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	2,215.98	650.01
11 68 13 00-1075	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	2,188.57	650.01
11 68 13 00-1076	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	2,033.30	650.01
11 68 13 00-1077	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	1,996.76	650.01
11 68 13 00-1078	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	725.79	65.00
11 68 13 00-1079	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,879.06	130.00
11 68 13 00-1080	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,623.31	130.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1081	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,918.85	195.00
11 68 13 00-1082	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	4,097.34	195.00
11 68 13 00-1083	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,529.60	260.00
11 68 13 00-1084	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	5,164.75	260.00
11 68 13 00-1085	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	729.44	65.00
11 68 13 00-1086	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	702.04	65.00
11 68 13 00-1087	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	674.64	65.00
11 68 13 00-1088	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	665.50	65.00
11 68 13 00-1089	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	593.08	32.50
11 68 13 00-1090	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	574.81	32.50
11 68 13 00-1091	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	547.41	32.50
11 68 13 00-1092	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	538.27	32.50
11 68 13 00-1093	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	529.14	32.50
11 68 13 00-1094	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,805.99	130.00
11 68 13 00-1095	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	5,896.66	260.00
11 68 13 00-1096	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,529.60	260.00
11 68 13 00-1097	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,708.86	260.00
11 68 13 00-1098	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	5,904.61	260.00
11 68 13 00-1099	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	27,505.48	780.02
11 68 13 00-1100	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,545.03	520.01
11 68 13 00-1101	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,368.82	65.00
11 68 13 00-1102	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	4,873.73	195.00
11 68 13 00-1103	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	4,380.50	195.00
11 68 13 00-1104	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	5,694.52	260.00
11 68 13 00-1105	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	5,484.44	260.00
11 68 13 00-1106	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	4,892.00	195.00
11 68 13 00-1107	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	4,654.52	195.00
11 68 13 00-1108	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	4,161.28	195.00
11 68 13 00-1109	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	6,726.67	260.00
11 68 13 00-1110	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	729.44	65.00
11 68 13 00-1111	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	1,085.67	65.00
11 68 13 00-1112	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	1,204.41	65.00
11 68 13 00-1113	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,815.12	130.00
11 68 13 00-1114	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,943.00	130.00
11 68 13 00-1115	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	2,034.34	130.00
11 68 13 00-1116	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	2,134.81	130.00
11 68 13 00-1117	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	3,065.20	195.00
11 68 13 00-1118	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,943.00	130.00
11 68 13 00-1119	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,760.32	130.00
11 68 13 00-1120	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,451.03	65.00
11 68 13 00-1121	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	1,131.34	65.00
11 68 13 00-1122	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	2,134.81	130.00
11 68 13 00-1123	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	1,131.34	65.00
11 68 13 00-1124	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,920.33	130.00
11 68 13 00-1125	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,892.93	130.00
11 68 13 00-1126	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	8,917.55	325.00
11 68 13 00-1127	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	9,383.38	325.00
11 68 13 00-1128	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	4,745.86	195.00
11 68 13 00-1129	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	5,575.78	260.00
11 68 13 00-1130	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	829.92	65.00
11 68 13 00-1131	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	4,809.79	195.00
11 68 13 00-1132	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	9,502.12	325.00
11 68 13 00-1133	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	3,065.20	195.00
11 68 13 00-1134	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,304.88	65.00
11 68 13 00-1135	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	1,177.01	65.00
11 68 13 00-1136	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	1,186.14	65.00
11 68 13 00-1137	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,646.31	130.00
11 68 13 00-1138	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	2,107.41	130.00
11 68 13 00-1139	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	1,103.94	65.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1140	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	1,286.62	65.00
11 68 13 00-1141	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	1,204.41	65.00
11 68 13 00-1142		**Playground Equipment (Landscape Structures® Evos™)** *(11 68 13 00-0120)*		
11 68 13 00-1143	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	1,003.46	65.00
11 68 13 00-1144	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	1,177.01	65.00
11 68 13 00-1145	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	4,499.24	195.00
11 68 13 00-1146	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	3,467.10	195.00
11 68 13 00-1147	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	8,162.30	184.17
11 68 13 00-1148	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	6,306.50	260.00
11 68 13 00-1149	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	4,216.73	162.50
11 68 13 00-1150	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	8,710.01	195.00
11 68 13 00-1151	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	2,052.60	130.00
11 68 13 00-1152	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,674.35	97.50
11 68 13 00-1153	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	419.85	21.67
11 68 13 00-1154	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,889.46	65.00
11 68 13 00-1155	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,369.15	54.17
11 68 13 00-1156	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,378.29	54.17
11 68 13 00-1157	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,387.42	54.17
11 68 13 00-1158	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	7,831.25	292.50
11 68 13 00-1159	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	8,079.77	195.00
11 68 13 00-1160	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,532.31	130.00
11 68 13 00-1161	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,798.47	65.00
11 68 13 00-1162	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	33,168.56	780.02
11 68 13 00-1163	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	37,380.83	1,170.03
11 68 13 00-1164	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	4,221.40	390.01
11 68 13 00-1165	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,915.59	130.00
11 68 13 00-1166	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,933.86	130.00
11 68 13 00-1167	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,286.62	65.00
11 68 13 00-1168	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,186.14	65.00
11 68 13 00-1169	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,012.60	65.00
11 68 13 00-1170	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,098.27	130.00
11 68 13 00-1171	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,085.67	65.00
11 68 13 00-1172	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,751.18	130.00
11 68 13 00-1173	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	683.77	65.00
11 68 13 00-1174	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	939.52	65.00
11 68 13 00-1175	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,213.54	65.00
11 68 13 00-1176	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,838.13	130.00
11 68 13 00-1177	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,467.10	195.00
11 68 13 00-1178	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,151.22	260.00
11 68 13 00-1179	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,527.57	130.00
11 68 13 00-1180	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,755.92	130.00
11 68 13 00-1181	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	37,910.60	1,170.03
11 68 13 00-1182	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	41,472.86	1,170.03
11 68 13 00-1183	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,407.90	195.00
11 68 13 00-1184	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,195.96	325.00
11 68 13 00-1185	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,961.26	130.00
11 68 13 00-1186	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,463.63	130.00
11 68 13 00-1187	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,463.63	130.00
11 68 13 00-1188		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-0120)*		
11 68 13 00-1189	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,003.46	65.00
11 68 13 00-1190	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,573.24	130.00
11 68 13 00-1191		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-0120)*		
11 68 13 00-1192	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	107.15	32.50
11 68 13 00-1193	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	112.63	32.50
11 68 13 00-1194	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	105.32	32.50
11 68 13 00-1195	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	12.66	6.50
11 68 13 00-1196	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	12.66	6.50
11 68 13 00-1197	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	12.66	6.50
11 68 13 00-1198	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	12.66	6.50
11 68 13 00-1199	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	165.60	32.50
11 68 13 00-1200	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	85.61	13.00
11 68 13 00-1201	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	52.73	13.00
11 68 13 00-1202	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	54.55	13.00
11 68 13 00-1203	EA	2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	109.30	16.26
11 68 13 00-1204	EA	3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	109.30	16.26
11 68 13 00-1205	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	11.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1206	EA	Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	144.01	16.26
11 68 13 00-1207	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	91.09	13.00
11 68 13 00-1208	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	110.80	32.50
11 68 13 00-1209	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	100.75	32.50
11 68 13 00-1210	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	136.38	32.50
11 68 13 00-1211	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	96.19	32.50
11 68 13 00-1212	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	105.32	32.50
11 68 13 00-1213	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	114.45	32.50
11 68 13 00-1214	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	123.59	32.50
11 68 13 00-1215	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	141.86	32.50
11 68 13 00-1216	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	98.93	32.50
11 68 13 00-1217	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	163.78	32.50
11 68 13 00-1218	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	811.65	65.00
11 68 13 00-1219	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	319.06	32.50
11 68 13 00-1220	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	309.92	32.50
11 68 13 00-1221	EA	Nylon Basketball Net (Landscape Structures® 100082A)	52.67	16.26
11 68 13 00-1222	EA	Chain Basketball Net (Landscape Structures® 100083A)	65.45	16.26
11 68 13 00-1223	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,451.03	65.00
11 68 13 00-1224	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,204.41	65.00
11 68 13 00-1225	EA	Warning Label (Landscape Structures® 115176A)	0.18	
11 68 13 00-1226	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.11	
11 68 13 00-1227	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	135.18	
11 68 13 00-1228	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	793.38	65.00
11 68 13 00-1229	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	165.60	32.50
11 68 13 00-1230	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	939.52	65.00
11 68 13 00-1231		Playground Equipment (Landscape Structures® Site Furniture) *(11 68 13 00-0120)*		
11 68 13 00-1232	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,568.82	119.17
11 68 13 00-1233	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	811.01	97.50
11 68 13 00-1234	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,377.01	119.17
11 68 13 00-1235	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	792.75	97.50
11 68 13 00-1236	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,253.87	119.17
11 68 13 00-1237	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,057.63	97.50
11 68 13 00-1238	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,961.59	119.17
11 68 13 00-1239	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,030.23	97.50
11 68 13 00-1240	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	381.72	97.50
11 68 13 00-1241	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	231.92	97.50
11 68 13 00-1242	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	285.22	86.67
11 68 13 00-1243	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	984.56	97.50
11 68 13 00-1244	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	847.87	86.67
11 68 13 00-1245	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	847.87	86.67
11 68 13 00-1246	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	510.23	65.00
11 68 13 00-1247	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	756.84	65.00
11 68 13 00-1248	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,487.21	325.00
11 68 13 00-1249	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,395.87	325.00
11 68 13 00-1250	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,268.00	325.00
11 68 13 00-1251	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,099.19	325.00
11 68 13 00-1252	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	2,998.72	325.00
11 68 13 00-1253	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,861.71	325.00
11 68 13 00-1254	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,605.95	325.00
11 68 13 00-1255	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,487.21	325.00
11 68 13 00-1256	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,359.34	325.00
11 68 13 00-1257	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,217.93	325.00
11 68 13 00-1258	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,099.19	325.00
11 68 13 00-1259	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,953.05	325.00
11 68 13 00-1260	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	811.01	97.50
11 68 13 00-1261	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	893.22	97.50
11 68 13 00-1262	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	874.95	97.50
11 68 13 00-1263	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	957.16	97.50
11 68 13 00-1264	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,194.64	97.50
11 68 13 00-1265	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,112.44	97.50
11 68 13 00-1266	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,267.71	97.50
11 68 13 00-1267	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,185.51	97.50
11 68 13 00-1268	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	167.75	21.67
11 68 13 00-1269	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	829.92	65.00
11 68 13 00-1270	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	848.18	65.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1271	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	537.63	65.00
11 68 13 00-1272	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	565.03	65.00
11 68 13 00-1273	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	848.18	65.00
11 68 13 00-1274	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	884.72	65.00
11 68 13 00-1275	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	565.03	65.00
11 68 13 00-1276	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	601.57	65.00
11 68 13 00-1277	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,940.45	260.00
11 68 13 00-1278	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	2,031.79	260.00
11 68 13 00-1279	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	2,040.92	260.00
11 68 13 00-1280	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	2,177.93	260.00
11 68 13 00-1281	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	1,995.25	260.00
11 68 13 00-1282	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	2,104.86	260.00
11 68 13 00-1283	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,862.39	54.17
11 68 13 00-1284	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,688.84	54.17
11 68 13 00-1285	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,542.70	54.17
11 68 13 00-1286	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	820.78	65.00
11 68 13 00-1287	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	702.04	65.00
11 68 13 00-1288	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	948.66	65.00

11 68 16 Play Structures *(11 68)*

11 68 16 00-0001 Playground Shade Structures *(11 68 16)*

Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechanical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.

11 68 16 00-0002 Single Ridge *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0003	EA	8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,759.38
		For Powdura® Epoxy Primer Powder Coat, Add	*1,872.52*
11 68 16 00-0004	EA	10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,808.40
		For Powdura® Epoxy Primer Powder Coat, Add	*1,875.53*
11 68 16 00-0005	EA	9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,848.59
		For Powdura® Epoxy Primer Powder Coat, Add	*1,878.54*
11 68 16 00-0006	EA	10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,216.72
		For Powdura® Epoxy Primer Powder Coat, Add	*1,982.31*
11 68 16 00-0007	EA	11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,256.92
		For Powdura® Epoxy Primer Powder Coat, Add	*1,985.32*
11 68 16 00-0008	EA	10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,427.22
		For Powdura® Epoxy Primer Powder Coat, Add	*1,998.57*
11 68 16 00-0009	EA	12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,276.53
		For Powdura® Epoxy Primer Powder Coat, Add	*1,977.69*
11 68 16 00-0010	EA	10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,602.22
		For Powdura® Epoxy Primer Powder Coat, Add	*2,000.18*
11 68 16 00-0011	EA	10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	29,245.02
		For Powdura® Epoxy Primer Powder Coat, Add	*2,045.54*
11 68 16 00-0012	EA	14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	32,016.27
		For Powdura® Epoxy Primer Powder Coat, Add	*2,239.43*
11 68 16 00-0013	EA	14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,739.04
		For Powdura® Epoxy Primer Powder Coat, Add	*2,289.01*
11 68 16 00-0014	EA	12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,961.51
		For Powdura® Epoxy Primer Powder Coat, Add	*2,235.22*
11 68 16 00-0015	EA	12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,472.12
		For Powdura® Epoxy Primer Powder Coat, Add	*2,271.15*
11 68 16 00-0016	EA	15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,961.51
		For Powdura® Epoxy Primer Powder Coat, Add	*2,235.22*
11 68 16 00-0017	EA	15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,594.26
		For Powdura® Epoxy Primer Powder Coat, Add	*2,279.58*
11 68 16 00-0018	EA	17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	32,472.12
		For Powdura® Epoxy Primer Powder Coat, Add	*2,271.15*
11 68 16 00-0019	EA	17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,435.75
		For Powdura® Epoxy Primer Powder Coat, Add	*2,408.24*
11 68 16 00-0020	EA	18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	29,670.19
		For Powdura® Epoxy Primer Powder Coat, Add	*2,075.45*
11 68 16 00-0021	EA	18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	30,752.78
		For Powdura® Epoxy Primer Powder Coat, Add	*2,150.92*
11 68 16 00-0022	EA	18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	29,863.72
		For Powdura® Epoxy Primer Powder Coat, Add	*2,088.49*
11 68 16 00-0023	EA	18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	31,314.70
		For Powdura® Epoxy Primer Powder Coat, Add	*2,189.45*
11 68 16 00-0024	EA	18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	30,162.74
		For Powdura® Epoxy Primer Powder Coat, Add	*2,109.57*
11 68 16 00-0025	EA	18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	31,804.69
		For Powdura® Epoxy Primer Powder Coat, Add	*2,224.58*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0026	EA	20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,404.16	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,195.88*	
11 68 16 00-0027	EA	20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,799.82	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,293.83*	
11 68 16 00-0028	EA	20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0029	EA	20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,771.00	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,921.08*	
11 68 16 00-0030	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	38,476.52	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,691.25*	
11 68 16 00-0031	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	42,379.10	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,964.23*	
11 68 16 00-0032	EA	18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0033	EA	18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	38,594.65	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,699.28*	
11 68 16 00-0034	EA	16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,500.01	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,622.61*	
11 68 16 00-0035	EA	16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,705.64	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,917.06*	
11 68 16 00-0036	EA	19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0037	EA	19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,705.64	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,917.06*	
11 68 16 00-0038	EA	20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0039	EA	20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,705.64	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,917.06*	
11 68 16 00-0040	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0041	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,771.00	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,921.08*	
11 68 16 00-0042	EA	20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0043	EA	20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,771.00	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,921.08*	
11 68 16 00-0044	EA	20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,298.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,608.76*	
11 68 16 00-0045	EA	20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,915.22	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,931.72*	
11 68 16 00-0046	EA	21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,344.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,590.88*	
11 68 16 00-0047	EA	21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	54,862.38	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,836.76*	
11 68 16 00-0048	EA	24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	50,076.76	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,501.96*	
11 68 16 00-0049	EA	24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	52,526.34	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,673.78*	
11 68 16 00-0050	EA	23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,344.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,590.88*	
11 68 16 00-0051	EA	23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	52,992.23	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,706.50*	
11 68 16 00-0052	EA	23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	50,076.76	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,501.96*	
11 68 16 00-0053	EA	23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	52,526.34	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,673.78*	
11 68 16 00-0054	EA	25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	50,467.25	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,529.66*	
11 68 16 00-0055	EA	25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,110.35	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,714.52*	
11 68 16 00-0056	EA	25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,875.53	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,627.61*	
11 68 16 00-0057	EA	25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,576.24	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,747.24*	
11 68 16 00-0058	EA	26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,046.71	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,779.16*	
11 68 16 00-0059	EA	26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,666.01	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,893.17*	
11 68 16 00-0060	EA	29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,084.85	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,782.97*	
11 68 16 00-0061	EA	29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,666.01	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,893.17*	
11 68 16 00-0062	EA	30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,433.42	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,806.86*	
11 68 16 00-0063	EA	30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	56,085.16	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,922.47*	
11 68 16 00-0064	EA	19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,706.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,385.33*	
11 68 16 00-0065	EA	19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,587.35	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,727.16*	
11 68 16 00-0066	EA	18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,706.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,385.33*	
11 68 16 00-0067	EA	18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,587.35	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,727.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0068	EA	17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,706.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,385.33*	
11 68 16 00-0069	EA	17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,587.35	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,727.16*	
11 68 16 00-0070	EA	20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,706.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,385.33*	
11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,587.35	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,727.16*	
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,237.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,562.77*	
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,396.79	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,132.81*	
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,237.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,562.77*	
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,396.79	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,132.81*	
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,237.26	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,562.77*	
11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,396.79	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,132.81*	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,149.82	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,556.55*	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,077.11	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,110.93*	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,436.80	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,576.42*	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,526.94	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,142.05*	
11 68 16 00-0082	EA	30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	63,746.97	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,576.42*	
11 68 16 00-0083	EA	30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,526.94	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,142.05*	

11 68 16 00-0084 Double Ridge *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.

11 68 16 00-0085	EA	20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	60,315.42	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,560.76*	
11 68 16 00-0086	EA	20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	62,484.95	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,724.75*	
11 68 16 00-0087	EA	20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	86,731.34	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,558.33*	
11 68 16 00-0088	EA	20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	90,363.43	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,833.51*	
11 68 16 00-0089	EA	26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,043.50	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,884.50*	
11 68 16 00-0090	EA	25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	88,679.53	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,705.85*	
11 68 16 00-0091	EA	25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,043.50	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,884.50*	
11 68 16 00-0092	EA	25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	88,679.53	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,705.85*	
11 68 16 00-0093	EA	25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,043.50	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,884.50*	
11 68 16 00-0094	EA	27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	63,999.29	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,839.36*	
11 68 16 00-0095	EA	27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	70,527.95	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,333.33*	
11 68 16 00-0096	EA	30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	63,999.29	
		For Powdura® Epoxy Primer Powder Coat, Add	*4,839.36*	
11 68 16 00-0097	EA	30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	70,527.95	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,333.33*	
11 68 16 00-0098	EA	26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,219.41	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,746.60*	
11 68 16 00-0099	EA	26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,640.39	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,930.06*	
11 68 16 00-0100	EA	30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,219.41	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,746.60*	
11 68 16 00-0101	EA	30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,640.39	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,930.06*	
11 68 16 00-0102	EA	28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	96,289.95	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,281.52*	
11 68 16 00-0103	EA	28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	99,849.73	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,550.48*	
11 68 16 00-0104	EA	29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	94,536.21	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,148.64*	
11 68 16 00-0105	EA	29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	99,849.73	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,550.48*	
11 68 16 00-0106	EA	30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	94,536.21	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,148.64*	
11 68 16 00-0107	EA	30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	99,849.73	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,550.48*	
11 68 16 00-0108	EA	27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	139,113.75	
		For Powdura® Epoxy Primer Powder Coat, Add	*10,519.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0109	EA	28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	99,849.73	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,550.48*	
11 68 16 00-0110	EA	20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	142,953.12	
		For Powdura® Epoxy Primer Powder Coat, Add	*10,809.98*	
11 68 16 00-0111	EA	30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	146,015.99	
		For Powdura® Epoxy Primer Powder Coat, Add	*11,041.61*	
11 68 16 00-0112		**Interconnected Quad Lineal Ridge** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0113	EA	30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts	271,280.90	
		For Powdura® Epoxy Primer Powder Coat, Add	*21,383.30*	
11 68 16 00-0114		**Quad Ridge** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0115	EA	36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	85,657.61	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,477.44*	
11 68 16 00-0116	EA	34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	94,071.45	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,113.52*	
11 68 16 00-0117	EA	34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	96,326.13	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,284.13*	
11 68 16 00-0118	EA	40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	101,335.18	
		For Powdura® Epoxy Primer Powder Coat, Add	*7,663.09*	
11 68 16 00-0119	EA	40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	106,768.04	
		For Powdura® Epoxy Primer Powder Coat, Add	*8,073.96*	
11 68 16 00-0120	EA	36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	111,652.99	
		For Powdura® Epoxy Primer Powder Coat, Add	*8,443.29*	
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	119,845.49	
		For Powdura® Epoxy Primer Powder Coat, Add	*9,062.91*	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	107,294.47	
		For Powdura® Epoxy Primer Powder Coat, Add	*8,459.95*	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	119,845.49	
		For Powdura® Epoxy Primer Powder Coat, Add	*9,062.91*	
11 68 16 00-0124	EA	40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	111,652.99	
		For Powdura® Epoxy Primer Powder Coat, Add	*8,443.29*	
11 68 16 00-0125	EA	40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	119,845.49	
		For Powdura® Epoxy Primer Powder Coat, Add	*9,062.91*	
11 68 16 00-0126	EA	40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	120,992.33	
		For Powdura® Epoxy Primer Powder Coat, Add	*9,149.22*	
11 68 16 00-0127	EA	40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	129,266.71	
		For Powdura® Epoxy Primer Powder Coat, Add	*9,775.27*	
11 68 16 00-0128	EA	50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	164,788.57	
		For Powdura® Epoxy Primer Powder Coat, Add	*12,461.10*	
11 68 16 00-0129	EA	50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	171,254.15	
		For Powdura® Epoxy Primer Powder Coat, Add	*12,950.66*	
11 68 16 00-0130	EA	50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	170,456.83	
		For Powdura® Epoxy Primer Powder Coat, Add	*12,889.84*	
11 68 16 00-0131	EA	50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	167,081.56	
		For Powdura® Epoxy Primer Powder Coat, Add	*13,174.06*	
11 68 16 00-0132	EA	56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	174,930.85	
		For Powdura® Epoxy Primer Powder Coat, Add	*13,274.82*	
11 68 16 00-0133	EA	56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	182,098.53	
		For Powdura® Epoxy Primer Powder Coat, Add	*13,852.49*	
11 68 16 00-0134	EA	60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	175,621.92	
		For Powdura® Epoxy Primer Powder Coat, Add	*13,274.82*	
11 68 16 00-0135	EA	60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	183,185.57	
		For Powdura® Epoxy Primer Powder Coat, Add	*13,852.49*	
11 68 16 00-0136		**Peak-Roof Triangle** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0137	EA	30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts	46,910.61	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,547.53*	
11 68 16 00-0138		**Peak-Roof Hexagon** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0139	EA	38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	82,400.31	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,231.15*	
11 68 16 00-0140	EA	40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	85,903.05	
		For Powdura® Epoxy Primer Powder Coat, Add	*6,496.30*	
11 68 16 00-0141	EA	50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	143,292.52	
		For Powdura® Epoxy Primer Powder Coat, Add	*10,835.47*	
11 68 16 00-0142	EA	52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	148,310.85	
		For Powdura® Epoxy Primer Powder Coat, Add	*11,215.23*	
11 68 16 00-0143	EA	55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	152,010.79	
		For Powdura® Epoxy Primer Powder Coat, Add	*11,495.44*	
11 68 16 00-0144	EA	60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	156,581.24	
		For Powdura® Epoxy Primer Powder Coat, Add	*11,840.87*	
11 68 16 00-0145		**Free-Form Tri-Sail** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0146	EA	18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts	33,220.17	
		For Powdura® Epoxy Primer Powder Coat, Add	*2,512.41*	
11 68 16 00-0147	EA	18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts	44,238.13	
		For Powdura® Epoxy Primer Powder Coat, Add	*3,345.60*	
11 68 16 00-0148	EA	18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts	68,705.11	
		For Powdura® Epoxy Primer Powder Coat, Add	*5,195.44*	
11 68 16 00-0149	EA	30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts	98,837.55	
11 68 16 00-0150		**Free-Form Hypar** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0151	EA	20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	49,204.22	
11 68 16 00-0152	EA	20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	61,758.66	
11 68 16 00-0153	EA	30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	67,532.19	
11 68 16 00-0154	EA	30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	82,232.01	
11 68 16 00-0155		**Mariners** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156	EA	30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts	59,516.02	
11 68 16 00-0157	EA	30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts	65,480.73	
11 68 16 00-0158	EA	30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts	87,128.47	
11 68 16 00-0159	EA	30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts	92,807.30	
11 68 16 00-0160	EA	60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts	134,088.59	
11 68 16 00-0161	EA	60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts	137,905.90	
11 68 16 00-0162		**Single Post Pyramid** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163	EA	14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post	20,521.57	
11 68 16 00-0164	EA	14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post	21,079.51	
11 68 16 00-0165		**Tri-Truss Cantilevers** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166	EA	20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts	73,823.46	
11 68 16 00-0167	EA	20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts	78,093.42	
11 68 16 00-0168	EA	30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts	110,203.73	
11 68 16 00-0169	EA	30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts	112,809.87	
11 68 16 00-0170		**Full Cantilevers** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171	EA	20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts	65,961.53	
11 68 16 00-0172	EA	20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts	98,782.04	
11 68 16 00-0173		**Hip Roof** *(11 68 16 00-0001)*		
		Note: Outdoor weatherproof fabric structure, specified fabric high density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174	EA	20' x 30' Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 10' Opening Height, 4 Posts	44,991.31	
11 68 16 00-0175	EA	20' x 30' Single Rigid Hip Roof Shade Structure, 20 LB Snowload, 12' Opening Height, 4 Posts	50,399.28	
11 68 16 00-0176		**Hip Roof** *(11 68 16 00-0001)*		
		Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177	EA	30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts	96,440.20	
11 68 16 00-0178	EA	30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts	103,843.13	
11 68 16 00-0179	EA	30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts	181,775.25	
11 68 16 00-0180	EA	30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts	192,159.36	
11 68 16 00-0181		**Additional Items** *(11 68 16 00-0001)*		
11 68 16 00-0182	EA	Concrete Cutting for Playground Shade Structure, Per Core	241.06	
11 68 16 00-0183	HR	Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift)	107.00	
11 68 16 00-0184	HR	Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift)	131.00	
11 68 16 00-0185	EA	Intumescent Paint Per Column	3,863.08	
11 68 23		**Exterior Court Athletic Equipment** *(11 68)*		
11 68 23 13		**Exterior Basketball Equipment** *(11 68 23)*		
11 68 23 13-0001		**Basketball Systems** *(11 68 23 13)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System	2,345.19	241.71
		Note: Sportsplay 541-616.		
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	4,248.49	265.88
		Note: Porter Athletic 176-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,710.40	241.71
		Note: Porter Athletic 164-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	4,248.49	265.88
		Note: Porter Athletic 166-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	7,652.64	391.00
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	
11 68 23 13-0007		Basketball Components *(11 68 23 13)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0008	EA	Nylon Cord Basketball Net (Porter Athletic 09608120)	34.59	9.77
11 68 23 13-0009	EA	Chain Basketball Net (Porter Athletic 00161000)	61.14	9.77
11 68 23 13-0010	EA	Heavy Duty Goal Ring (Porter Athletic 00235000)	140.18	48.82
11 68 23 13-0011	EA	Goal Ring For Steel Net (Porter Athletic 00251H00)	253.35	21.97
11 68 23 13-0012	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	1,461.70	41.49
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0013	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	1,877.94	41.49
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	957.66	36.61
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	1,047.47	36.61
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 33		**Tennis Equipment** *(11 68 23)*		
11 68 23 33-0001		Tennis Court Net Posts *(11 68 23 33)*		
11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,191.41	166.00
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,501.32	166.00
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,552.97	166.00
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,642.29	166.00
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,960.32	166.00
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	296.01	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	334.62	
11 68 23 33-0009		Tennis Court Nets *(11 68 23 33)*		
11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	635.55	164.05
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	697.18	164.05
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,502.85	252.42
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	82.55	
11 68 33		**Athletic Field Equipment** *(11 68)*		
11 68 33 13		**Football Field Equipment** *(11 68 33)*		
11 68 33 13-0001		Football Goal Posts *(11 68 33 13)*		
		Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	5,814.99	439.31
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	8,086.39	584.57
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	9,654.23	701.47
11 68 33 23		**Soccer and Field Hockey Equipment** *(11 68 33)*		
11 68 33 23-0001		Soccer Goal Posts *(11 68 33 23)*		
		Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR	Regulation Soccer Goal Posts	4,977.38	292.95
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	5,986.46	439.31
11 68 33 33		**Baseball Field Equipment** *(11 68 33)*		
11 68 33 33-0001		Bases *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	597.87	

11 70 Healthcare Equipment *(11)*

11 71 Medical Sterilizing Equipment *(11 70)*

11 71 00 00-0001 Steam Sterilizers *(11 71)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 71 00 00-0002	EA	6 Full-Size Cassette Capacity, 120 Instruments In 40 Minutes Start-To-Dry, Automated Instrument Washing Sterilizer (SciCan HYDRIM® C61w G4)	9,573.46	129.59
		Note: Water consumption per cycle = Regular Wash + Dry: 26 mins + 10 mins, Heavy Duty Wash + Dry: 30 mins + 10 mins, Rinse and Hold: 5 mins.		
11 71 00 00-0003	EA	23.6" Length x 16.1" Width x 7.5" Height, Cycle Time 9 Minutes Unwrapped, 17.5 Minutes Wrapped, 3.5" Touchscreen, Fresh Steam Distilled Water, Autoclave Sterilizer (SciCan STATIM® 5000 G4)	10,478.69	20.85
11 71 00 00-0004	EA	19.5" Length x 16.25" Width x 6" Height, Cycle Time 6 Minutes Unwrapped, 14 Minutes Wrapped, Fresh Clean Distilled Water For Each Cycle, Autoclave Sterilizer (SciCan STATIM® 2000 G4)	8,673.30	20.85
11 71 00 00-0005	EA	Ultra-fast 35 Minute Cycle Start To Dry, Autoclave Sterilizer (SciCan Bravo W#AJP00B0000)	11,096.73	20.85
11 71 00 00-0006	EA	Ultra-fast 28 Minute Cycle Start To Dry, Tabletop Autoclave Sterilizer (SciCan Bravo MA320011)	13,447.04	20.85

11 71 00 00-0007 Steam Generator *(11 71)*

11 71 00 00-0008	EA	Steam Generator, Electric 10 KW To 180 KW	145,389.49	1,148.19

11 72 Examination and Treatment Equipment *(11 70)*

11 72 13 Examination Equipment *(11 72)*

11 72 13 00-0001 Wall Mounted Medical Furnishings *(11 72 13)*

11 72 13 00-0002	EA	20" Wide, 15" High, 3" Deep, Aluminum Wall Mounted Folding Medical Desk	481.75	40.67
11 72 13 00-0003	EA	20" Wide, 15" High, 3" Deep, Painted Steel Wall Mounted Folding Medical Desk	503.53	40.67
11 72 13 00-0004	EA	20" Wide, 15" High, 3" Deep, Stainless Steel Wall Mounted Folding Medical Desk	568.79	40.67
11 72 13 00-0005	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Double Glove Box Holder	213.65	40.67
11 72 13 00-0006	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Quad Glove Box Holder	258.92	40.67
11 72 13 00-0007	EA	13-1/2" Wide, 10" High, 3-1/2" Deep, Locking Stainless Steel Wall Mounted Specimen Cup Retrieval Box	638.43	40.67
11 72 13 00-0008	EA	12" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Bedpan Storage Rack	185.78	40.67
11 72 13 00-0009	EA	28" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Double Bedpan Storage Rack	250.40	43.38
11 72 13 00-0010	EA	12" Wide, 24" High, 5-1/4" Deep, Stainless Steel Wall Mounted Vertical Double Bedpan Storage Rack	234.73	43.38
11 72 13 00-0011	EA	12-1/4" Wide, 8" High, 4-3/4" Deep, Acrylic Infection Prevention Station	194.50	40.67
		Note: Space for sanitizer, disposable masks, tissues		
11 72 13 00-0012	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable Two Sides Heavy Duty Stainless Steel Narcotics Cabinet	909.28	54.23
11 72 13 00-0013	EA	11-1/2" Wide, 12" High, 6" Deep, Heavy Duty Stainless Steel Narcotics Cabinet	909.28	54.23
11 72 13 00-0014	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable One Side, Heavy Duty Stainless Steel Pass-Thru Narcotics Cabinet	909.28	54.23
11 72 13 00-0015	EA	15-1/2" Wide, 6" High, 6" Deep, Acrylic Suture Rack - Single Tier - 6 Box Capacity	174.34	27.11
11 72 13 00-0016	EA	15-1/2" Wide, 12-1/4" High, 6" Deep, Acrylic Suture Rack - Single Tier - 12 Box Capacity	216.32	29.83
11 72 13 00-0017	EA	15-1/2" Wide, 18" High, 6" Deep, Acrylic Suture Rack - Single Tier - 18 Box Capacity	308.79	32.54

11 72 13 00-0018 Diagnostic Wall Board *(11 72 13)*

11 72 13 00-0019	EA	Diagnostic Wall Board With Macroview Otoscope, Coaxial Ophthalmoscope And Wall Transformer (Welch Allyn 77792-MNOBP)	1,906.45	54.23
11 72 13 00-0020	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP And Wall Transformer (Welch Allyn 77792-M)	2,143.23	54.23
11 72 13 00-0021	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry And Wall Transformer (Welch Allyn 77791-MX)	2,647.62	54.23
11 72 13 00-0022	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry, Throat Illuminator And Wall Transformer (Welch Allyn 77795-MX)	2,866.84	54.23

11 72 13 00-0023 Sharps Containers *(11 72 13)*

11 72 13 00-0024	EA	3 Quart, Wall Mounted, Disposable Sharps Containers	282.11	
		Note: The rotating cylinder top permits convenient, one-handed disposal of sharps. The rotating lid automatically drops needles and syringes in a horizontal position to maximize capacity. Lid remains closed when not in use. A built-in needle key permits the safe removal of needles when necessary.		
11 72 13 00-0025	EA	2 Gallon, Wall Mounted, Disposable Sharps Containers	363.84	
		Note: Provides open access for disposal of a variety of shapes and sizes of sharps, (i.e. needles and syringes, vials, test tubes, and glass slides). The lid features a needle key for the safe removal of needles.		
11 72 13 00-0026	EA	3 Gallon, Wall Mounted, Disposable Sharps Containers	322.07	
		Note: Has a dual-purpose lid, which allows the container to remain open for code situations or in a free-fall position for normal, one-handed operation. Lid features a needle key for safe removal of needles when necessary.		
11 72 13 00-0027	EA	1 Quart, Wall Mounted, Disposable Phlebotomy Container	516.45	
		Note: Has an opening to safely place the blood tube holder with needle while attending a patient Once full, the lids can be locked, & the container is ready for safe disposal One-quart capacity, is puncture resistant, fully disposable, may be autoclaved or incinerated for final disposal.		
11 72 13 00-0028	EA	5 Quart, Wall Mounted, Locking Sharps Disposal Cabinet	139.43	27.11
11 72 13 00-0029	EA	5 Quart, Wall Mounted, Combination Sharps Disposal And Glove Box Container	127.91	27.11

11 72 13 00-0030 Exam Room Supplies *(11 72 13)*

11 72 13 00-0031	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 12", Wall Mounted (Medline MDS193094)	53.12	
11 72 13 00-0032	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 8", Wall Mounted (Medline MDS192094B)	54.28	
11 72 13 00-0033	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 4", Wall Mounted (Medline MDS191094)	43.26	

11 72 13 00-0034 Accessories *(11 72 13)*

11 72 13 00-0035 Miscellaneous *(11 72 13 00-0034)*

11 72 13 00-0036	EA	Medical Air Compressor, Medical/Hospital Gas Systems (Allied Healthcare AHC-TE20)	5,275.14	
11 72 13 00-0037	EA	Air Flow Meter, Medical/Hospital Gas Systems (Allied Healthcare AHC-TB20)	215.60	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 13 00-0038		Medical Warming Cabinets *(11 72 13)*		
11 72 13 00-0039	EA	9.02 CF, Warming Cabinet With Single Glass Door (Blickman 7922TG)	9,201.78	64.84
11 72 13 00-0040	EA	22.02 CF, Warming Cabinet With Single Stainless Steel Door (Blickman 791TS)	11,193.45	64.84
11 72 13 00-0041		Surgical Tables *(11 72 13)*		
11 72 13 00-0042	EA	79" Length x 20" Width, 1,000 Lbs. Weight Capacity, Self-leveling, Four Point Brake System, Manually-operated Head Section, General Surgical Table (Skytron 3500HD)	23,762.37	129.59
11 72 13 00-0043	EA	81.6" Length x 20" Width, 1,200 Lbs. Weight Capacity, 600 Lbs. Full Articulation, Reverse Orientation, General Surgical Table (Steris Amsco 5085 5085)	60,322.73	129.59
11 72 13 00-0044	EA	87.165" Length x 27.5" Width, 400 Lbs. Anatomic Position Weight Capacity, 300 Lbs. Reverse Orientation, OrthoVision Surgical Table (Steris Amsco OrthoVision)	22,021.39	129.59
11 72 13 00-0045	EA	79" Length x 19.75" Width, 1,000 Lbs. Articulate Capacity, 1,200 Lbs. Lift Capacity, AC Or Battery Power Operation, General Surgical Table (Skytron 6701)	43,774.82	129.59
11 72 13 00-0046		Examination Tables *(11 72 13)*		
11 72 13 00-0047	EA	58" Length x 28-1/2" Width x 31" Height, 400 Lbs., Plywood And Laminate Frame, Family Practice Exam Table (Clinton 8870)	1,942.36	97.21
11 72 13 00-0048	EA	72" Length x 24" Width x 30" Height, 300 Lbs. Weight Capacity, 3-Section, Drawer And Sliding Doors, Wooden Exam Table With Enclosed Cabinet (FEI 15-1073)	1,890.13	97.21
11 72 13 00-0049	EA	110 Volt, 76" Length x 27" Width x 18-35" Height, 450 Lbs. Weight Capacity, Open Base Power Table With Adjustable Backrest And Drop Section (Clinton 80330)	3,970.59	97.21
11 72 13 00-0050	EA	72" Length x 27" Width x 18-35" Height, Open Base Power Table With Adjustable Backrest (Clinton 80200)	3,631.10	97.21
11 72 13 00-0051	EA	72" Length x 27" Width x 18-35" Height, Open Base Power Imaging Table With Drop Window (Clinton 85100)	5,050.00	97.21
11 72 13 00-0052	EA	76" Length x 27" Width x 21-1/2-37-1/2" Height, General Power Ultrasound Table With 3-Section Top (Clinton 80063)	7,873.85	97.21
11 72 13 00-0053		Specimen Pass Through Cabinet *(11 72 13)*		
11 72 13 00-0054	EA	11-1/4" x 10-9/16" x 6", 22 Gauge Stainless Steel, Specimen Pass Through Cabinet (Bobrick B-505)	627.55	36.12
11 72 13 00-0055	EA	13-1/2" x 13-1/2" x 7", 304 Stainless Steel, Heavy Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50516)	807.22	36.12
11 72 13 00-0056	EA	13-1/2" x 13-1/2" x 11", 304 Stainless Steel, Heavy Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50517)	895.06	36.12
11 72 53		**Treatment Equipment** *(11 72)*		
11 72 53 00-0001		Semi-Automatic Heart Defibrillator *(11 72 53)*		
11 72 53 00-0002	EA	Power Heart; AED G3 - Semi Automatic Package with Carrying Case, Ready Kit, Spare Parts (Cardiac Science 9300E-1001P)	1,972.42	
11 72 63		**Refrigerated Heathcare Storage Equipment** *(11 72)*		
11 72 63 00-0001		Healthcare Pharmaceutical Refrigerators *(11 72 63)*		
11 72 63 00-0002	EA	24" Width x 24.5" Depth x 33.375" Height, 1 Degree Celsius Temperature Range, Counter Height, Pharmaceutical Refrigerator (American Bio Tech Supply PH-ABT-HC-UCBI-0404SS)	1,509.84	24.31
11 72 63 00-0003	EA	17.75" Width x 19.5" Depth x 28 7/8" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (ABS Premier PH-ABT-HC-UCFS-0204G)	1,488.26	24.31
11 72 63 00-0004	EA	17.5" Width x 19.75" Depth x 21.5" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (Accucold ARG1PVDL2B)	1,428.76	24.31
11 72 63 00-0005	EA	17 3/4" Width x 19.5" Depth x 28 7/8" Height, 1 To 10 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (LabRepCo LHP-3-UR Futura)	1,378.13	24.31
11 72 63 00-0006	EA	17 3/4" Width x 22 3/4" Depth x 30 3/4" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (American Biotech PH-ABT-HC-UCBI-0204)	1,313.26	24.31
11 72 63 00-0007	EA	27" Width x 31 1/4" Depth x 83 1/4' Height, 31 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Upright Pharmaceutical Refrigerator (Arctic Air AGR23)	2,151.61	55.51
11 72 63 00-0008	EA	27" Width x 31 5/8" Depth x 78 1/4' Height, Negative 1 To Plus 10 Degrees Celsius Temperature Range, Glass Door, Laboratory, Pharmaceutical Refrigerator (ABS Premier ABT-HCPP-23G)	8,489.14	55.51
11 72 63 00-0009	EA	29" Width x 32 1/4" Depth x 82 1/2' Height, 33 To 40 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Avantco A-23R-G-HC)	2,034.94	55.51
11 72 63 00-0010	EA	26.8" Width x 32.7" Depth x 82.3' Height, 33 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Empura E-KB27RG)	2,092.89	55.51
11 72 63 00-0011	EA	26-1/2" Width x 35-1/2" Depth x 83" Height, 25 CF, 4 Degrees Celsius, Hinged Glass Door, Laboratory Refrigerator (TemPure Scientific LP-22HG-TP)	6,529.20	111.12
11 72 63 00-0012		Healthcare Blood Bank Refrigerators *(11 72 63)*		
11 72 63 00-0013	EA	25 CF, 4 Degree C Hinged Glass Door, Blood Bank Refrigerator (TemPure Scientific)	11,911.01	111.12
11 72 63 00-0014	EA	50 CF, 4 Degree C Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)	17,185.66	155.54
11 72 63 00-0015	EA	78 CF, 4 Degree C Three Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)	22,668.96	155.54
11 72 63 00-0016	EA	4.3 CF, 2 To 8 Degrees Celsius, Blood Bank Undercounter Refrigerator With One Locking Solid Door (TemPure Scientific)	5,292.74	24.31
11 72 63 00-0017	EA	Negative 15 To Negative 25 Degrees Celsius, Blood Bank Undercounter Refrigerator (ABS Premier ABT-HC-UCBI-0420SS)	1,448.48	24.31
11 72 63 00-0018		Healthcare Medical Freezers *(11 72 63)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 63 00-0019	EA	78" Height x 28.3" Width x 38.5" Depth, Negative 50 To Negative 86 Degrees Celsius Temperature Range, Medical Freezer (Hogentogler RDE40086LA)	18,359.23	27.80
11 72 63 00-0020	EA	26.75" Width x 32.75" Depth x 82.75' Height, Low To Negative 10 Degrees Fahrenheit Temperature Range, Medical Freezer (Artic Air AF23)	1,920.99	27.80
11 72 63 00-0021	EA	Negative 20 To Negative 30 Degrees Celsius, Medical Freezer (Accucold VT65)	1,611.92	24.31
11 72 63 00-0022		Healthcare Vaccine Freezers *(11 72 63)*		
11 72 63 00-0023	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PV)	992.43	24.31
11 72 63 00-0024	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PVDL2B)	1,428.76	24.31
11 72 63 00-0025	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Upright Vaccine Refrigeration Freezer (Accucold ARG8PV)	1,412.91	27.80
11 72 63 00-0026	EA	21-5/8" Width x 21-5/8" Depth, 33 To 40 Degrees Fahrenheit Temperature Range, Upright Vaccine Refrigeration Freezer (Avantco GDC-10-HC)	1,104.33	27.80
11 72 63 00-0027	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Upright Vaccine Refrigeration Freezer (Accucold ARS8PV)	1,337.08	27.80
11 72 63 00-0028	EA	20.1" Width x 20.9" Depth x 25.8' Height, 2 To 8 Degrees Celsius Temperature Range, Stacked, Combination Pharmaceutical-Vaccine Refrigeration Freezer (K2 Scientific K202GDR)	1,039.09	24.31
11 72 63 00-0029	EA	18-1/2" Width x 20" Depth x 34' Height, 2 To 8 Degrees Celsius Temperature Range, Counter Height Pharmaceutical-Vaccine Refrigeration Freezer (Accucold ARS3PV)	981.34	24.31
11 72 63 00-0030	EA	23-3/42" Width x 24" Depth x 20-3/8' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Vaccine Refrigeration Freezer (CliniCool LHP-1-FA-PH)	2,741.79	24.31
11 72 63 00-0031	EA	23-3/4" Width x 24" Depth x 20-3/4' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Solid Swing Door, Vaccine Refrigeration Freezer (CliniCool LHP-2-FM-PH)	1,356.43	24.31

11 73 Patient Care Equipment *(11 70)*

11 73 11 Patient Care Equipment *(11 73)*

11 73 11 00-0001		Hill-Rom Equipment *(11 73 11)*		
11 73 11 00-0002	EA	16" Height x 60" Width, Horizontal, In-Wall / On-Wall, Basis Headwall (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG01A	2,994.34	373.88
11 73 11 00-0003	EA	24" Height x 72" Width, Horizontal, In-Wall / On-Wall, Basis Headwall (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG02A.	7,100.79	573.28
11 73 11 00-0004	EA	16" Height x 84" Width, Vertical, On-Wall, Basis Headwall (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG03A.	2,710.62	373.88
11 73 11 00-0005	EA	24" Height x 84" Width, Vertical, In-Wall / On-Wall, Basis Headwall (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG04A.	4,647.81	573.28
11 73 11 00-0006	EA	68" Height x 64" Width, Horizontal, In-Wall / On-Wall, Basis 16" x 60" With Panel System (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG25A.	4,200.14	373.88
11 73 11 00-0007	EA	74" Height x 76" Width, Horizontal, In-Wall / On-Wall, Basis 24" x 72" With Panel System (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG26A.	8,461.75	573.28
11 73 11 00-0008	EA	82" Height x 60" Width, Vertical, In-Wall / On-Wall, Basis 16" x 60" With Panel System (Hill-Rom P2102) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG27A.	4,774.97	373.88
11 73 11 00-0009	EA	90" Height x 72" Width, Vertical, In-Wall / On-Wall, Basis 24" x 72" With Panel System (Hill-Rom P2102) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG28A.	7,162.86	573.28
11 73 11 00-0010	EA	16" Height x 66" Width, Vertical, In-Wall / On-Wall, Contour Headwall (Hill-Rom P667) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG05A.	2,381.58	373.88
11 73 11 00-0011	EA	16" Height x 66" Width, Vertical, In-Wall / On-Wall, Contour Headwall (Hill-Rom P667) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG06A.	3,912.61	573.28
11 73 11 00-0012	EA	Bed Locator (Hill-Rom P0052B1) Note: General Care (MedSurg, Patient Room, LDR, etc). 2 Red Duplex Receptacle and 2 Ivory Duplex Receptacle outlets. Drawing Number DWG07A.	1,652.73	324.03
11 73 11 00-0013	EA	96" Height x 80" Width, On-Wall, Elements On-Wall, Wall System (Hill-Rom P2008A2) Note: General Care (MedSurg, Patient Room, LDR, etc). 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 2 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 2 Low Voltage (1G) outlets. Drawing Number DWG08A.	8,841.81	373.88
11 73 11 00-0014	EA	96" Height x 80" Width, On-Wall, Elements On-Wall, Wall System (Hill-Rom P2008A2) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 3 Low Voltage (1G) outlets. Drawing Number DWG09A.	10,675.54	573.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 73 11 00-0015	EA	105" Height x 96" Width, In-Wall, Elements In-Wall, Wall System (Hill-Rom P2008A1) Note: Critical Care (ICU, CCU, Trauma, etc). 2 Oxygen (O), 2 Air (Med Air), 2 Vacuum, 5 Red Duplex Receptacle, 4 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 1 Low Voltage (1G) outlets. 1 Night Light. Drawing Number DWG21A.	11,960.23	573.28
11 73 11 00-0016	EA	105" Height x 120" Width, In-Wall, Elements In-Wall With Cabinetry, Wall System (Hill-Rom P2008A1) Note: Critical Care (ICU, CCU, Trauma, etc). 2 Oxygen (O), 2 Air (Med Air), 2 Vacuum, 6 Red Duplex Receptacle, 5 Ivory Duplex Receptacle, 2 Nurse Call (3G), 1 Monitor Out (1G), and 1 Monitor Channel outlets. 1 Night Light. Drawing Number DWG22A.	16,910.90	672.99
11 73 11 00-0017	EA	105" Height x 96" Width, Double-Sided, Elements Double-Sided, Wall System (Hill-Rom P2008A3) Note: Critical Care (ICU, CCU, Trauma, etc). 4 Oxygen (O), 4 Air (Med Air), 4 Vacuum, 10 Red Duplex Receptacle, 8 Ivory Duplex Receptacle, 2 Nurse Call (3G), and 2 Low Voltage (1G) outlets. 4 Night Lights. Drawing Number DWG23A.	22,074.66	1,071.79
11 73 11 00-0018	EA	105" Height x 120" Width, Double-Sided, Elements Double-Sided, Wall System (Hill-Rom P2008A3) Note: Critical Care (ICU, CCU, Trauma, etc). 4 Oxygen (O), 4 Air (Med Air), 4 Vacuum, 12 Red Duplex Receptacle, 10 Ivory Duplex Receptacle, 2 Nurse Call (3G), 2 Monitor Out (1G), and 2 Monitor Channel outlets. 4 Night Lights. Drawing Number DWG24A.	30,950.68	1,221.35
11 73 11 00-0019	EA	Fixed And Telescoping, Latitude Double Arm, Ceiling Boom (Hill-Rom P672) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 5 Low Voltage (1G) outlets. Drawing Number DWG11A.	40,092.50	623.14
11 73 11 00-0020	EA	Telescoping, Latitude Single Arm, Ceiling Boom (Hill-Rom P672) Note: Critical Care (ICU, CCU, Trauma, etc). 3 Oxygen (O), 1 Air (Med Air), 3 Vacuum, 4 Red Duplex Receptacle, 3 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 5 Low Voltage (1G) outlets. Drawing Number DWG10A.	24,122.74	623.14
11 73 11 00-0021	EA	Horizontal Security Patient Console (Hill-Rom P005561) Note: Locking. 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, 1 Red Duplex Receptacle, 1 Ivory Duplex Receptacle, and 1 Blank Plate outlets. Drawing Number DWG12A.	6,644.76	274.18
11 73 11 00-0022	EA	Fixed Column, Epicare (Hill-Rom P680CFX) Note: 2 Oxygen (O), 2 Air (Med Air), 3 Vacuum, 1 Nitrous Oxide, 1 Carbon Dioxide, 6 Red Duplex Receptacle, and 1 Blank Plate outlets. Drawing Number DWG13A.	9,221.25	523.44
11 73 11 00-0023	EA	Telescoping Column, Epicare (Hill-Rom P680CTL) Note: 2 Oxygen (O), 2 Air (Med Air), 3 Vacuum, 1 Nitrous Oxide, 1 Carbon Dioxide, 6 Red Duplex Receptacle, and 1 Blank Plate outlets. Drawing Number DWG14A.	12,213.98	523.44
11 73 11 00-0024	EA	Vertical Gallery Wall, Concealment (Hill-Rom P6918B) Note: 1 Oxygen (O), 1 Air (Med Air), 1 Vacuum, and 2 Red Duplex Receptacle outlets. Drawing Number DWG15A.	6,550.83	249.26
11 73 11 00-0025	EA	Vertical Gallery Wall, Concealment (Hill-Rom P6918B) Note: 2 Oxygen (O), 1 Air (Med Air), and 2 Vacuum outlets. Drawing Number DWG16A.	8,403.61	249.26
11 73 11 00-0026	EA	Horizon System (Hill-Rom P100000) Note: 2 Oxygen (O), 2 Air (Med Air), 2 Vacuum, 11 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 1 Code Blue (1G) outlets. 1 Night Light. 1 Wall Mount Bed Bumper. Drawing Number DWG17A.	13,376.79	697.91
11 73 11 00-0027	EA	22" Height x 96" Width, Horizontal, Integris 2002C Gas Rail (Hill-Rom P2002 And P0052B4) Note: 2 Oxygen (O), 1 Air (Med Air), 2 Vacuum, 3 Red Duplex Receptacle, 4 Ivory Duplex Receptacle, 1 Nurse Call (3G), and 1 Code Blue (1G) outlets. 1 Wall Mount Bed Bumper. Drawing Number DWG18A.	11,189.37	498.51
11 73 11 00-0028	EA	Patient Care Module (Hill-Rom P590052) Note: Self contained, in-room bathroom. Includes a concealed flushing unit, paper holder and utensil-washing arm. Drawing Number DWG19A.	10,707.81	373.88
11 73 11 00-0029	EA	Power Column (Hill-Rom P590) Note: 3 Oxygen (O), 2 Air (Med Air), 4 Vacuum, 13 Red Duplex Receptacle, 2 Ivory Duplex Receptacle, 1 Nurse Call (3G), 1 Code Blue (1G), 1 Low Voltage (1G), 1 Monitor Channel, and 1 Blank Plate outlets. 1 Night Light. Drawing Number DWG20A.	11,189.46	872.40
11 73 11 00-0030	EA	Bed Locator, NEURO ICU Care Area (Hill-Rom P20160601) Note: Includes two 20A red duplex receptacles, three 1 gang with faceplate provision, two 20A bed only red simplex receptacle and two Hubbellock 2300HG simplex receptacles.	1,744.91	140.42
11 73 11 00-0031	EA	Integris Gas Rail, NEURO ICU Care Area (Hill-Rom P2002C001) Note: Includes six 20A red duplex receptacles, one junction box, seven 1 gang with faceplate provision, one 3 gang with back box nursecall, one left hand gas manifold, one 20A red 3-way Decora switch, two low voltages switches, one clip style resuscitator bag holder, one 18" x 9-1/2" x 4" basket, 1 cuff basket, four standard bottle slides, two air, three O2 and four vacuum.	10,786.57	374.48
11 73 11 00-0032	EA	Latitude Bed Services Chassis, NEURO STEP DOWN Care Area (Hill-Rom P662CO250) Note: Includes two 20A white duplex receptacles, four 20A red duplex receptacles, two 1 gang with faceplate provision, one 3 gang with back box nursecall, and one main support structure module.	5,774.49	234.04
11 73 11 00-0033	EA	Latitude Upper Telescoping Arm, NEURO STEP DOWN Care Area (Hill-Rom P662CO300) Note: Includes five 20A red duplex receptacles, one 2 gang with faceplate provision, one 1 gang with faceplate provision, one drop tube, one 9000 series service head, three standard bottle slides, two accessory rails, one air, three O2 and three vacuum.	24,083.67	592.92
11 73 11 00-0034	EA	Integris Light, PATIENT ROOM Care Area (Hill-Rom P696IL101)	1,288.85	37.45
11 73 11 00-0035	EA	Bed Locator, PATIENT ROOM Care Area (Hill-Rom P0052B101) Note: Includes two 20A ivory duplex receptacles and one 1 gang with faceplate provision.	969.85	93.62
11 73 11 00-0036	EA	Flatwall, PATIENT ROOM Care Area (Hill-Rom P670E0001) Note: Includes one 2 function low voltage relays, two 20A red duplex receptacles, one 1 gang with faceplate provision, one nursecall, one 20A SP-ST Decora switch, one low voltage switch, one raceway from locator module, one 7670-01 wall mount Sphygmo Tycos, one 4" raceway to light, two universal holder for vertical rail, one slide mount utility, one aneroid Sphygmo mount, one gas, one vacuum, two sidepanels, one electric panel, one gas panel, one access panel and one junction box panel.	4,969.28	174.75
11 73 11 00-0037	EA	48", 3 Lamp, Closed Over Bed Light (Hill-Rom P00519G11355B120SLIBHD)	1,862.98	49.93
11 73 11 00-0038	EA	48", 2 Lamp, Closed Task Light (Hill-Rom P00519448G25412IBHD)	809.97	43.69
11 73 11 00-0039	EA	Low Voltage Controller (Hill-Rom P005189120)	247.99	15.60

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001 Ceiling Patient Lift *(11 73 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	13,841.93	
11 73 23 00-0003		Ceiling Patient Lift System *(11 73 23)* Note: Guldmann		
11 73 23 00-0004	EA	GH2 HD AC UL Ceiling Mounted Hoist, 550 LB Weight Capacity, With Hand Control	12,800.18	935.05
11 73 23 00-0005	EA	550 LB Weight Capacity Hanging Bar GH2 Standard Snap Hook	733.86	
11 73 23 00-0006	EA	550 LB Weight Capacity Traverse Traveling Trolley Room Covering System	845.69	129.87
11 73 23 00-0007	EA	GH2 HD Twin Strap Ceiling Mounted Hoist, 1,000 LB Weight Capacity, With Hand Control	18,111.41	1,298.69
11 73 23 00-0008	EA	1,000 LB Weight Capacity Hanging Bar	6,590.63	
11 73 23 00-0009	EA	1,000 LB Weight Capacity Traverse Traveling Trolley Room Covering System	1,928.25	285.72
11 73 23 00-0010	LF	Aluminum Midi Rail	363.34	31.17
11 73 23 00-0011	EA	Wire For Charging Liner	136.79	
11 73 23 00-0012	LF	Charging Liner For Midi Rail	150.86	
11 73 23 00-0013	EA	End Stops	66.78	
11 73 23 00-0014	EA	Standard Ceiling Brackets	206.41	31.17
11 73 23 00-0015	EA	Charging Kit For Room-Covering System With Midi Rails	399.47	
11 73 23 00-0016	EA	Lock For Charging Liner	83.78	
11 73 23 00-0017	EA	Cover Plate For Midi Rail	8.20	
11 73 23 00-0018	EA	Rosette White	4.65	
11 73 23 00-0019	EA	Aluminum Pipe 2M Profile	202.60	
11 73 23 00-0020	EA	Repositioning Sling Gold, 3 Slings Per System	343.05	
11 73 23 00-0021	EA	Uni D M/L High Black - 550 LB Capacity Sling, 2 Slings Per System	188.40	
11 73 23 00-0022	EA	Uni D L/XL High Black - 550 LB Capacity Sling, 2 Slings Per System	188.40	
11 73 23 00-0023	EA	Disposable Limb Lifter, 2 Slings Per System	89.55	
11 73 23 00-0024	EA	Disposable Turner Sling, 1 Sling Per System	221.21	

11 77 Radiology Equipment *(11 70)*

11 77 00 00-0001 Wall Mounted Area Monitor *(11 77)*

11 77 00 00-0002	EA	Digital Wall Mount Area Monitor (Ludlum M 375-30 With 2E44-99 FBGLS)	16,342.54	

11 78 Mortuary Equipment *(11 70)*

11 78 13 Mortuary Refrigerators *(11 78)*

11 78 13 00-0001 Healthcare Mortuary Coolers *(11 78 13)*

11 78 13 00-0002	EA	6' 8 1/2" Width x 2' 8 1/2" Depth x 5' 2" Height, One Body Economy, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1BR)	8,804.50	1,037.00
11 78 13 00-0003	EA	7'3" Depth x 3" Width x 5'2" Height, Three Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #3BX)	12,375.88	1,037.00
11 78 13 00-0004	EA	7' 3" Depth x 3' 6 3/4" Width x 6'8" Height, Four Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model # 4BX)	13,579.07	1,555.44
11 78 13 00-0005	EA	10' Length x 8' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #0810)	15,601.58	1,555.44
11 78 13 00-0006	EA	10' Length x 10' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1010)	17,951.48	1,555.44
11 78 13 00-0007	EA	10' Length x 15' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1015)	23,546.88	3,110.89
11 78 13 00-0008	EA	20' Length x 20' Width, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #2020)	33,142.57	3,110.89
11 78 13 00-0009	EA	8' 1" Width x 7' 4" Depth x 5' Height, Triple Cot, Roll-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #TR3)	14,320.27	1,555.44

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001 Safety And Tie-Back Anchors *(11 81 29)*

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0065 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors *(11 81 29 00-0001)*

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	773.40	81.38
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	660.18	81.38
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	491.19	81.02
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		**Wall Mounted, Safety And Tie-Back Anchor** *(11 81 29 00-0001)*		
		Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	544.56	81.38
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	489.87	81.38
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	430.24	81.02
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		**Safety And Tie-Back Anchor Accessories** *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor)	443.30	
		Note: One cut sheet required per order.		
11 81 29 00-0012		**Roof Mounted, Stainless Steel Safety And Tie-Back Anchors** *(11 81 29 00-0001)*		
		Note: Includes up to 12" high stainless steel hollow structural section tube, base plate and anchors.		
11 81 29 00-0013	EA	Up To 10" High, 3-1/2" OD, 0.30" Thick, Stainless Steel Hollow Structural Section Tube, Pad Eye, Base Plate, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor SM-1-12-6-58-SST)	2,348.90	
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
11 81 29 00-0014		**Ladder Safety And Fall Protection** *(11 81 29)*		
11 81 29 00-0015	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	282.43	17.87
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	42.60	2.60
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	53.26	6.50
11 81 29 00-0018	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	71.00	4.33
11 81 29 00-0019	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	88.75	5.42
11 81 29 00-0020	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	58.21	4.06
11 81 29 00-0021	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	544.08	10.83
11 81 29 00-0022	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	129.84	10.73
11 81 29 00-0023		**Fall-Arrest Systems** *(11 81 29)*		
11 81 29 00-0024		**Horizontal** *(11 81 29 00-0023)*		
11 81 29 00-0025	LF	Trolley Rail Fall Arrest System	676.84	43.72
		Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.		
11 81 29 00-0026		**Anchor Points** *(11 81 29 00-0023)*		
11 81 29 00-0027	EA	Roof Anchor, 16" x 16" Base With 12" High Post	640.82	
		Note: Guardian CD-12 series		
11 81 29 00-0028	EA	Roof Anchor, 12" x 12" Base With 18" High Post	751.26	
		Note: Guardian CD-18 series		
11 81 29 00-0029	EA	Bolt On Roof Anchor	285.63	
		Note: Guardian CD-1-B series		
11 81 29 00-0030	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud	136.96	
		Note: Super Anchor ARS 2x8		
11 81 29 00-0031	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud	159.15	
		Note: Super Anchor ARS 2x12		

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001		**Electric Incinerator** *(11 82 19)*		
11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour	47,084.77	1,176.04
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour	96,351.36	2,352.09
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour	326,544.83	3,528.13

11 82 26 Facility Waste Compactors *(11 82)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0001		Waste Compactors *(11 82 26)*		
11 82 26 00-0002		110 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 LB/Hour	25,432.40	522.70
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 LB/Hour	31,604.67	1,254.47
11 82 26 00-0005		230 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	31,224.83	1,672.64
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	34,970.23	2,195.33

11 90 Other Equipment *(11)*

11 95 Arts and Crafts Equipment *(11 90)*

11 95 13 Kilns *(11 95)*

11 95 13 00-0001		Kilns *(11 95 13)*		
11 95 13 00-0002	EA	6.6 kW, 32 Amperes, 208 Voltage, Single Phase, Electronic Kiln (Cress ES23208)	2,601.33	

11 97 Security Equipment *(11 90)*

11 97 26 Detention Gun Lockers *(11 97)*

11 97 26 00-0001		Hinged Door Gun Lock *(11 97 26)* Note: Two keys per locker with one master.		
11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	3,299.23	57.15
11 97 26 00-0003		Hinged-Door Gun Locker *(11 97 26)* Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,287.12	40.01
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	2,931.82	57.15
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,369.72	68.57
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	7,784.75	68.57

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001		Metal Frames *(11 98 12)* Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002		Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	771.20	169.48
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	771.20	169.48
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	771.20	169.48
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	771.20	169.48
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	779.68	169.48
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	779.68	169.48
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,067.85	271.25
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.04	169.48
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	935.06	226.01
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	935.06	226.01
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,118.69	271.25
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.62	169.48
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	805.10	169.48
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	805.10	169.48
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,093.27	271.25
11 98 12 00-0024		Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.61	169.48
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.61	169.48
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.61	169.48
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.61	169.48
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	813.55	169.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	813.55	169.48
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,093.25	271.25
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.61	169.48
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	796.61	169.48
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.02	169.48
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.02	169.48
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	935.04	226.01
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	935.04	226.01
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,360.90	301.20
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.02	169.48
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.02	169.48
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.02	169.48
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	822.02	169.48
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	830.50	169.48
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	830.50	169.48
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,118.67	271.25
11 98 12 00-0046		Metal Detention Doors *(11 98 12)*		
		Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047		10 Gauge 1-3/4" Metal Detention Door *(11 98 12 00-0046)*		
11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	631.33	60.22
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	638.63	60.22
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	645.93	60.22
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	653.22	60.22
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	660.52	60.22
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	697.01	60.22
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	676.72	60.22
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	684.30	60.22
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	689.08	60.22
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	755.52	60.22
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	915.91	60.22
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	998.41	60.22
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	656.87	60.22
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	664.16	60.22
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	671.47	60.22
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	678.76	60.22
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	686.06	60.22
11 98 12 00-0065	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	722.54	60.22
11 98 12 00-0066		Pneumatic Door Operators *(11 98 12)*		
11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,819.41	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,327.91	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	6,865.90	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	8,045.31	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	10,115.72	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,967.25	
11 98 12 00-0073		Security Doors And Frame Assembly *(11 98 12)*		
11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	10,246.85	447.73
		Note: Complete, with hardware, single plate.		
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	12,441.43	444.83
		Note: Complete, with hardware, double plate.		
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 14		**Detention Door Hardware** *(11 98)*		
11 98 14 00-0001		Prison Deadlocks and Deadlatches *(11 98 14)*		
11 98 14 00-0002	EA	115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,091.83	108.34
11 98 14 00-0003	EA	115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,176.08	108.34
11 98 14 00-0004	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,371.03	108.34
11 98 14 00-0005	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,315.72	108.34
11 98 14 00-0006	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1)	2,270.07	81.34
11 98 14 00-0007	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2)	2,691.54	81.34
11 98 21		**Detention Windows** *(11 98)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 21 00-0001		Visitor Cubicle *(11 98 21)* Note: Excludes glazing.		
11 98 21 00-0002	EA	Detention Visitor Cubicle, Vision Panel, No Intercom	13,536.86	889.79

END OF SECTION 11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	193.41	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	88.72	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	125.04	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	146.64	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	236.17	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	188.63	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	67.73	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	72.57	
12 01 60 00-0010	EA	Secure Seat To Floor	69.63	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	74.15	
		For Epoxy Anchoring, Add	*24.81*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back Note: Includes removal of existing upholstery.	211.14	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	11.99	0.98
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	9.81	0.98
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	10.65	0.98
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	12.32	0.98

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	10.15	0.98
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	11.74	0.98

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	13.98	2.07

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	9.04	2.07
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	12.63	2.07

12 22 Curtains and Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	451.46	13.57
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	470.53	13.57
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	501.53	13.57
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	513.45	13.57
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	542.06	13.57
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	580.20	13.57
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	604.04	13.57
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	637.41	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	689.86	13.57
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	656.72	18.44
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	699.63	18.44
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	733.00	18.44
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	761.61	18.44
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	828.36	18.44
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	861.74	18.44
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	890.35	18.44
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	952.33	18.44
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	1,019.08	18.44
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	871.51	23.33
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	933.49	23.33
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	962.10	23.33
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	1,028.85	23.33
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	1,090.83	23.33
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	1,152.81	23.33
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	1,186.19	23.33
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,252.94	23.33
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,343.53	23.33
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	1,100.59	28.21
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	1,162.57	28.21
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	1,195.95	28.21
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,291.31	28.21
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,353.29	28.21
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,420.04	28.21
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,491.67	28.21
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,582.15	28.21
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,629.83	28.21
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,301.08	33.09
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,391.67	33.09
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,425.04	33.09
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,520.40	33.09
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,615.76	33.09
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,711.12	33.09
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,806.47	33.09
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,901.83	33.09
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	2,021.03	33.09
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,530.16	37.98
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,625.52	37.98
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,697.04	37.98
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,792.39	37.98
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,887.76	37.98
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	2,006.95	37.98
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	2,102.31	37.98
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	2,197.67	37.98
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	2,364.54	37.98
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,730.65	42.85
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,849.85	42.85
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,921.36	42.85
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	2,040.56	42.85
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	2,135.92	42.85
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	2,255.12	42.85
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,445.84	42.85
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,517.35	42.85
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,684.23	42.85
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,954.97	47.74
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	2,050.33	47.74
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	2,145.69	47.74
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	2,288.72	47.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,431.76	47.74
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,574.80	47.74
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,694.00	47.74
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,813.20	47.74
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	3,027.75	47.74
12 22 13 00-0082		>216" To 240" Wide Lined Draperies *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	2,155.45	52.62
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	2,322.33	52.62
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	2,393.84	52.62
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,536.88	52.62
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,703.76	52.62
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,846.80	52.62
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,989.83	52.62
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	3,132.87	52.62
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	3,371.26	52.62
12 22 16		**Drapery Track and Accessories** *(12 22)*		
12 22 16 00-0001		Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*		
12 22 16 00-0002		Basic Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	147.01	46.43
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	175.57	46.43
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	210.28	51.59
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	299.47	51.59
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	308.85	56.75
12 22 16 00-0008		Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	174.38	46.43
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	192.82	46.43
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	253.72	51.59
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	291.60	56.75
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	221.38	46.43
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	277.31	46.43
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	351.59	51.59
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	379.06	56.75
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	12.47	1.95
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	30.96	
12 23		**Interior Shutters** *(12 20)*		
12 23 13		**Wood Interior Shutters** *(12 23)*		
12 23 13 00-0001		Interior Plantation Shutters *(12 23 13)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002		12" Wide *(12 23 13 00-0001)*		
12 23 13 00-0003	PR	12" x 36" Plantation Shutter	296.66	32.79
12 23 13 00-0004	PR	12" x 40" Plantation Shutter	330.47	34.44
12 23 13 00-0005	PR	12" x 44" Plantation Shutter	361.11	36.07
12 23 13 00-0006	PR	12" x 48" Plantation Shutter	391.75	37.71
12 23 13 00-0007	PR	12" x 52" Plantation Shutter	422.39	39.35
12 23 13 00-0008	PR	12" x 56" Plantation Shutter	453.04	40.99
12 23 13 00-0009	PR	12" x 60" Plantation Shutter	455.23	42.63
12 23 13 00-0010	PR	12" x 64" Plantation Shutter	514.32	44.27
12 23 13 00-0011	PR	12" x 68" Plantation Shutter	544.96	45.91
12 23 13 00-0012	PR	12" x 72" Plantation Shutter	575.60	47.55
12 23 13 00-0013	PR	12" x 76" Plantation Shutter	606.24	49.19
12 23 13 00-0014	PR	12" x 80" Plantation Shutter	636.89	50.83
12 23 13 00-0015		14" Wide *(12 23 13 00-0001)*		
12 23 13 00-0016	PR	14" x 36" Plantation Shutter	309.30	32.79
12 23 13 00-0017	PR	14" x 40" Plantation Shutter	343.12	34.44
12 23 13 00-0018	PR	14" x 44" Plantation Shutter	373.75	36.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0019	PR	14" x 48" Plantation Shutter	404.40	37.71
12 23 13 00-0020	PR	14" x 52" Plantation Shutter	438.19	39.35
12 23 13 00-0021	PR	14" x 56" Plantation Shutter	468.84	40.99
12 23 13 00-0022	PR	14" x 60" Plantation Shutter	499.48	42.63
12 23 13 00-0023	PR	14" x 64" Plantation Shutter	533.28	44.27
12 23 13 00-0024	PR	14" x 68" Plantation Shutter	563.92	45.91
12 23 13 00-0025	PR	14" x 72" Plantation Shutter	594.57	47.55
12 23 13 00-0026	PR	14" x 76" Plantation Shutter	628.37	49.19
12 23 13 00-0027	PR	14" x 80" Plantation Shutter	659.02	50.83
12 23 13 00-0028		**15" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0029	PR	15" x 36" Plantation Shutter	321.95	32.79
12 23 13 00-0030	PR	15" x 40" Plantation Shutter	355.77	34.44
12 23 13 00-0031	PR	15" x 44" Plantation Shutter	386.39	36.07
12 23 13 00-0032	PR	15" x 48" Plantation Shutter	417.05	37.71
12 23 13 00-0033	PR	15" x 52" Plantation Shutter	450.84	39.35
12 23 13 00-0034	PR	15" x 56" Plantation Shutter	484.65	40.99
12 23 13 00-0035	PR	15" x 60" Plantation Shutter	518.45	42.63
12 23 13 00-0036	PR	15" x 64" Plantation Shutter	552.25	44.27
12 23 13 00-0037	PR	15" x 68" Plantation Shutter	586.05	45.91
12 23 13 00-0038	PR	15" x 72" Plantation Shutter	616.70	47.55
12 23 13 00-0039	PR	15" x 76" Plantation Shutter	650.51	49.19
12 23 13 00-0040	PR	15" x 80" Plantation Shutter	684.31	50.83
12 23 13 00-0041		**16" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0042	PR	16" x 36" Plantation Shutter	340.92	32.79
12 23 13 00-0043	PR	16" x 40" Plantation Shutter	377.90	34.44
12 23 13 00-0044	PR	16" x 44" Plantation Shutter	411.69	36.07
12 23 13 00-0045	PR	16" x 48" Plantation Shutter	448.67	37.71
12 23 13 00-0046	PR	16" x 52" Plantation Shutter	482.45	39.35
12 23 13 00-0047	PR	16" x 56" Plantation Shutter	516.27	40.99
12 23 13 00-0048	PR	16" x 60" Plantation Shutter	550.07	42.63
12 23 13 00-0049	PR	16" x 64" Plantation Shutter	590.19	44.27
12 23 13 00-0050	PR	16" x 68" Plantation Shutter	623.99	45.91
12 23 13 00-0051	PR	16" x 72" Plantation Shutter	657.80	47.55
12 23 13 00-0052	PR	16" x 76" Plantation Shutter	694.77	49.19
12 23 13 00-0053	PR	16" x 80" Plantation Shutter	728.58	50.83
12 23 13 00-0054		**18" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0055	PR	18" x 36" Plantation Shutter	369.38	32.79
12 23 13 00-0056	PR	18" x 40" Plantation Shutter	406.36	34.44
12 23 13 00-0057	PR	18" x 44" Plantation Shutter	443.30	36.07
12 23 13 00-0058	PR	18" x 48" Plantation Shutter	483.44	37.71
12 23 13 00-0059	PR	18" x 52" Plantation Shutter	520.39	39.35
12 23 13 00-0060	PR	18" x 56" Plantation Shutter	560.53	40.99
12 23 13 00-0061	PR	18" x 60" Plantation Shutter	597.49	42.63
12 23 13 00-0062	PR	18" x 64" Plantation Shutter	634.45	44.27
12 23 13 00-0063	PR	18" x 68" Plantation Shutter	671.42	45.91
12 23 13 00-0064	PR	18" x 72" Plantation Shutter	711.55	47.55
12 23 13 00-0065	PR	18" x 76" Plantation Shutter	748.52	49.19
12 23 13 00-0066	PR	18" x 80" Plantation Shutter	788.65	50.83
12 23 13 00-0067		**20" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0068	PR	20" x 36" Plantation Shutter	400.99	32.79
12 23 13 00-0069	PR	20" x 40" Plantation Shutter	444.30	34.44
12 23 13 00-0070	PR	20" x 44" Plantation Shutter	484.41	36.07
12 23 13 00-0071	PR	20" x 48" Plantation Shutter	524.55	37.71
12 23 13 00-0072	PR	20" x 52" Plantation Shutter	567.82	39.35
12 23 13 00-0073	PR	20" x 56" Plantation Shutter	607.96	40.99
12 23 13 00-0074	PR	20" x 60" Plantation Shutter	651.24	42.63
12 23 13 00-0075	PR	20" x 64" Plantation Shutter	691.36	44.27
12 23 13 00-0076	PR	20" x 68" Plantation Shutter	734.65	45.91
12 23 13 00-0077	PR	20" x 72" Plantation Shutter	774.79	47.55
12 23 13 00-0078	PR	20" x 76" Plantation Shutter	818.08	49.19
12 23 13 00-0079	PR	20" x 80" Plantation Shutter	858.21	50.83
12 23 13 00-0080		**22" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0081	PR	22" x 36" Plantation Shutter	426.29	32.79
12 23 13 00-0082	PR	22" x 40" Plantation Shutter	472.75	34.44
12 23 13 00-0083	PR	22" x 44" Plantation Shutter	516.02	36.07
12 23 13 00-0084	PR	22" x 48" Plantation Shutter	5,301.89	37.71
12 23 13 00-0085	PR	22" x 52" Plantation Shutter	605.76	39.35
12 23 13 00-0086	PR	22" x 56" Plantation Shutter	649.06	40.99
12 23 13 00-0087	PR	22" x 60" Plantation Shutter	692.34	42.63
12 23 13 00-0088	PR	22" x 64" Plantation Shutter	738.79	44.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0089	PR	22" x 68" Plantation Shutter	782.08	45.91
12 23 13 00-0090	PR	22" x 72" Plantation Shutter	828.53	47.55
12 23 13 00-0091	PR	22" x 76" Plantation Shutter	871.83	49.19
12 23 13 00-0092	PR	22" x 80" Plantation Shutter	918.28	50.83
12 23 13 00-0093		24" Wide *(12 23 13 00-0001)*		
12 23 13 00-0094	PR	24" x 36" Plantation Shutter	451.58	32.79
12 23 13 00-0095	PR	24" x 40" Plantation Shutter	501.21	34.44
12 23 13 00-0096	PR	24" x 44" Plantation Shutter	547.64	36.07
12 23 13 00-0097	PR	24" x 48" Plantation Shutter	597.27	37.71
12 23 13 00-0098	PR	24" x 52" Plantation Shutter	643.70	39.35
12 23 13 00-0099	PR	24" x 56" Plantation Shutter	690.16	40.99
12 23 13 00-0100	PR	24" x 60" Plantation Shutter	736.61	42.63
12 23 13 00-0101	PR	24" x 64" Plantation Shutter	786.21	44.27
12 23 13 00-0102	PR	24" x 68" Plantation Shutter	832.67	45.91
12 23 13 00-0103	PR	24" x 72" Plantation Shutter	882.28	47.55
12 23 13 00-0104	PR	24" x 76" Plantation Shutter	928.74	49.19
12 23 13 00-0105	PR	24" x 80" Plantation Shutter	978.35	50.83

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Roller Window Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	15.17	0.65
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	15.17	0.65

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	19.43	0.65

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	15.17	0.65

12 24 13 00-0009 MechoShade *(12 24 13)*
Note: Includes all hardware required for installation and stainless steel chain operator.

12 24 13 00-0010 ThermoVeil 0700 Series (Blackout) Shade *(12 24 13 00-0009)*

12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	222.49	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	269.21	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	292.71	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	311.98	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	233.05	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	286.10	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	305.37	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	328.87	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	245.71	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	305.10	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	324.37	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	347.87	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	256.27	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	324.10	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	343.37	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	364.76	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	266.82	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	343.10	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0029	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	362.37	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0030	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	385.87	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0031	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	279.49	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0032	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	364.21	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0033	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	383.48	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0034	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	404.87	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0035	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	290.05	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0036	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	383.21	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0037	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	402.48	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0038	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	423.87	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0039	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	300.60	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0040	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	402.20	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0041	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	421.48	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0042	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	474.53	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0043	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	321.71	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0044	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	438.09	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0045	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	457.37	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0046	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	499.86	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0047	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	393.48	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0048	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	459.20	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0049	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	478.48	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0050	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	527.31	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0051		ThermoVeil 0900 And 3000 Series Shade *(12 24 13 00-0009)*		
12 24 13 00-0052	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	254.16	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0053	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	311.43	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*6.67*	
12 24 13 00-0054	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	341.26	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0055	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	366.87	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0056	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	455.82	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	472.98	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0058	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	273.16	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0059	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	340.99	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0060	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	375.04	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0061	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	402.76	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0062	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	500.15	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0063	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	519.42	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0064	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	290.05	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0065	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	372.65	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0066	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	410.92	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0067	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	438.64	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0068	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	548.70	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0069	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	567.98	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0070	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	311.15	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0071	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	404.31	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0072	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	444.70	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0073	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	476.64	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0074	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	597.25	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0075	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	616.53	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0076	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	328.04	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0077	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	431.76	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0078	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	480.59	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0079	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	512.53	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0080	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	643.70	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0081	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	770.63	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0082	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	349.15	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0083	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	463.42	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0084	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	514.36	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0085	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	548.41	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0086	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	692.25	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0087	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	827.63	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0088	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	366.04	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0089	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	492.98	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0090	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	548.14	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0091	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	584.30	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0092	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	740.80	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0093	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	876.18	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0094	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	385.04	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0095	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	526.75	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0096	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	586.14	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0097	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	622.30	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0098	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	804.13	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0099	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	924.74	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0100	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	420.93	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0101	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	564.75	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	636.80	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	677.19	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	884.35	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,004.95	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	513.81	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	602.75	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	683.24	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	723.63	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	924.46	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,051.40	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0112		EuroVeil 5100, 5200 And 5300 Series Shade *(12 24 13 00-0009)*		
12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	268.93	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	290.32	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	332.82	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	394.31	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	441.04	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	483.54	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	290.05	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	311.43	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	364.48	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	438.64	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	485.37	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	504.65	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	311.15	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	330.43	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	394.04	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	482.97	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	529.70	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	548.98	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	334.38	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	353.65	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	423.59	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	527.31	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	574.03	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	705.19	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	355.49	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	374.76	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	451.03	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	571.64	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	618.36	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	749.52	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	378.71	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	397.98	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0145	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	482.70	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0146	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	615.97	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0147	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	679.58	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0148	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	787.52	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0149	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	399.82	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0150	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	416.98	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0151	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	514.36	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0152	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	668.74	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0153	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	715.47	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0154	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	831.85	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0155	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	420.93	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0156	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	440.20	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0157	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	541.81	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0158	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	706.74	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0159	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	755.58	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0160	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	893.07	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0161	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	473.70	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0162	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	492.98	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0163	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	613.58	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0164	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	776.40	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0165	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	833.69	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0166	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	962.73	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0167	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	558.14	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0168	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	516.20	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0169	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	647.36	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0170	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	820.73	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0171	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	880.13	30.53
		For Installation In Concrete Or Steel, Add	*30.33*	
		For Window Top >10' Above Finished Floor, Add	*15.16*	
12 24 13 00-0172	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,007.06	34.89
		For Installation In Concrete Or Steel, Add	*34.66*	
		For Window Top >10' Above Finished Floor, Add	*17.33*	
12 24 13 00-0173		**Snaplock Fascia** *(12 24 13 00-0009)*		
12 24 13 00-0174	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia	31.80	2.18
		For Installation In Concrete Or Steel, Add	*2.17*	
		For Window Top >10' Above Finished Floor, Add	*1.08*	
12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	41.70	2.91
		For Installation In Concrete Or Steel, Add	*2.89*	
		For Window Top >10' Above Finished Floor, Add	*1.44*	
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	51.60	3.63
		For Installation In Concrete Or Steel, Add	*3.61*	
		For Window Top >10' Above Finished Floor, Add	*1.81*	
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	65.72	4.36
		For Installation In Concrete Or Steel, Add	*4.33*	
		For Window Top >10' Above Finished Floor, Add	*2.17*	
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	73.51	5.08
		For Installation In Concrete Or Steel, Add	*5.06*	
		For Window Top >10' Above Finished Floor, Add	*2.53*	
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	85.51	5.81
		For Installation In Concrete Or Steel, Add	*5.78*	
		For Window Top >10' Above Finished Floor, Add	*2.89*	
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	97.52	6.54
		For Installation In Concrete Or Steel, Add	*6.50*	
		For Window Top >10' Above Finished Floor, Add	*3.25*	
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	107.42	7.27
		For Installation In Concrete Or Steel, Add	*7.22*	
		For Window Top >10' Above Finished Floor, Add	*3.61*	
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	117.32	7.99
		For Installation In Concrete Or Steel, Add	*7.94*	
		For Window Top >10' Above Finished Floor, Add	*3.97*	
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	188.43	8.72
		For Installation In Concrete Or Steel, Add	*8.66*	
		For Window Top >10' Above Finished Floor, Add	*4.33*	
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	59.25	2.18
		For Installation In Concrete Or Steel, Add	*2.17*	
		For Window Top >10' Above Finished Floor, Add	*1.08*	
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	79.69	2.91
		For Installation In Concrete Or Steel, Add	*2.89*	
		For Window Top >10' Above Finished Floor, Add	*1.44*	
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	98.04	3.63
		For Installation In Concrete Or Steel, Add	*3.61*	
		For Window Top >10' Above Finished Floor, Add	*1.81*	
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	116.38	4.36
		For Installation In Concrete Or Steel, Add	*4.33*	
		For Window Top >10' Above Finished Floor, Add	*2.17*	
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	136.84	5.08
		For Installation In Concrete Or Steel, Add	*5.06*	
		For Window Top >10' Above Finished Floor, Add	*2.53*	
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	155.18	5.81
		For Installation In Concrete Or Steel, Add	*5.78*	
		For Window Top >10' Above Finished Floor, Add	*2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	175.63	6.54
		For Installation In Concrete Or Steel, Add	*6.50*	
		For Window Top >10' Above Finished Floor, Add	*3.25*	
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	198.20	7.27
		For Installation In Concrete Or Steel, Add	*7.22*	
		For Window Top >10' Above Finished Floor, Add	*3.61*	
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	214.42	7.99
		For Installation In Concrete Or Steel, Add	*7.94*	
		For Window Top >10' Above Finished Floor, Add	*3.97*	
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	353.09	8.72
		For Installation In Concrete Or Steel, Add	*8.66*	
		For Window Top >10' Above Finished Floor, Add	*4.33*	

12 24 13 00-0194 Room Darkening Sill And Side Channel *(12 24 13 00-0009)*

12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	42.63	6.54
		For Installation In Concrete Or Steel, Add	*6.50*	
		For Window Top >10' Above Finished Floor, Add	*3.25*	
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	55.44	8.72
		For Installation In Concrete Or Steel, Add	*8.66*	
		For Window Top >10' Above Finished Floor, Add	*4.33*	
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	72.48	10.91
		For Installation In Concrete Or Steel, Add	*10.84*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	87.39	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	100.19	15.27
		For Installation In Concrete Or Steel, Add	*15.17*	
		For Window Top >10' Above Finished Floor, Add	*7.58*	
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	115.11	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	130.02	19.63
		For Installation In Concrete Or Steel, Add	*19.50*	
		For Window Top >10' Above Finished Floor, Add	*9.75*	
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	142.83	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	155.63	23.99
		For Installation In Concrete Or Steel, Add	*23.83*	
		For Window Top >10' Above Finished Floor, Add	*11.91*	
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	170.55	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	42.63	6.54
		For Installation In Concrete Or Steel, Add	*6.50*	
		For Window Top >10' Above Finished Floor, Add	*3.25*	
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	91.32	8.72
		For Installation In Concrete Or Steel, Add	*8.66*	
		For Window Top >10' Above Finished Floor, Add	*4.33*	
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	114.70	10.91
		For Installation In Concrete Or Steel, Add	*10.84*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	133.83	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	159.30	15.27
		For Installation In Concrete Or Steel, Add	*15.17*	
		For Window Top >10' Above Finished Floor, Add	*7.58*	
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	180.55	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	214.46	19.63
		For Installation In Concrete Or Steel, Add	*19.50*	
		For Window Top >10' Above Finished Floor, Add	*9.75*	
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	237.82	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	263.29	23.99
		For Installation In Concrete Or Steel, Add	*23.83*	
		For Window Top >10' Above Finished Floor, Add	*11.91*	
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	284.54	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	55.30	6.54
		For Installation In Concrete Or Steel, Add	*6.50*	
		For Window Top >10' Above Finished Floor, Add	*3.25*	
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	76.55	8.72
		For Installation In Concrete Or Steel, Add	*8.66*	
		For Window Top >10' Above Finished Floor, Add	*4.33*	
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	95.70	10.91
		For Installation In Concrete Or Steel, Add	*10.84*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	114.83	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	131.86	15.27
		For Installation In Concrete Or Steel, Add	*15.17*	
		For Window Top >10' Above Finished Floor, Add	*7.58*	
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	150.99	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	170.13	19.63
		For Installation In Concrete Or Steel, Add	*19.50*	
		For Window Top >10' Above Finished Floor, Add	*9.75*	
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	187.16	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	206.29	23.99
		For Installation In Concrete Or Steel, Add	*23.83*	
		For Window Top >10' Above Finished Floor, Add	*11.91*	
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	227.54	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	
12 24 13 00-0225	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	99.63	6.54
		For Installation In Concrete Or Steel, Add	*6.50*	
		For Window Top >10' Above Finished Floor, Add	*3.25*	
12 24 13 00-0226	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	129.32	8.72
		For Installation In Concrete Or Steel, Add	*8.66*	
		For Window Top >10' Above Finished Floor, Add	*4.33*	
12 24 13 00-0227	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	161.15	10.91
		For Installation In Concrete Or Steel, Add	*10.84*	
		For Window Top >10' Above Finished Floor, Add	*5.42*	
12 24 13 00-0228	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	197.16	13.09
		For Installation In Concrete Or Steel, Add	*13.00*	
		For Window Top >10' Above Finished Floor, Add	*6.50*	
12 24 13 00-0229	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	226.85	15.27
		For Installation In Concrete Or Steel, Add	*15.17*	
		For Window Top >10' Above Finished Floor, Add	*7.58*	
12 24 13 00-0230	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	260.77	17.45
		For Installation In Concrete Or Steel, Add	*17.33*	
		For Window Top >10' Above Finished Floor, Add	*8.67*	
12 24 13 00-0231	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	292.57	19.63
		For Installation In Concrete Or Steel, Add	*19.50*	
		For Window Top >10' Above Finished Floor, Add	*9.75*	
12 24 13 00-0232	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	326.48	21.82
		For Installation In Concrete Or Steel, Add	*21.66*	
		For Window Top >10' Above Finished Floor, Add	*10.83*	
12 24 13 00-0233	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	356.18	23.99
		For Installation In Concrete Or Steel, Add	*23.83*	
		For Window Top >10' Above Finished Floor, Add	*11.91*	
12 24 13 00-0234	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	387.98	26.17
		For Installation In Concrete Or Steel, Add	*25.99*	
		For Window Top >10' Above Finished Floor, Add	*13.00*	

12 25 Window Treatment Operating Hardware *(12 20)*

12 25 09 Window Treatment Control System *(12 25)*

12 25 09 00-0001 Motorized Lightproof Shades *(12 25 09)*

12 25 09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width	40.34	2.58

12 25 13 Motorized Drapery Rods *(12 25)*

12 25 13 00-0001 Motorized Drapery Track *(12 25 13)*

12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,319.46	109.31
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,376.18	120.24
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,432.89	131.17
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,489.59	142.10
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,546.30	153.04
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,603.01	163.97
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,659.72	174.90
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,716.43	185.83
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,773.14	196.76
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,829.84	207.69
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,886.56	218.62
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,943.27	229.55
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,999.97	240.49
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,056.68	251.42
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,113.40	262.35
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,170.10	273.28
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,226.81	284.21
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,283.52	295.14
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,340.23	306.07
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,396.94	317.00

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,453.65	327.93

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,042.38	247.68
		For 16 Gauge Stainless Steel, Add	*332.57*	
		For >5 To 9, Deduct	*-81.21*	
		For >9, Deduct	*-162.42*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,356.24	247.68
		For 16 Gauge Stainless Steel, Add	*615.05*	
		For >5 To 9, Deduct	*-150.19*	
		For >9, Deduct	*-300.38*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,108.33	247.68
		For 16 Gauge Stainless Steel, Add	*561.75*	
		For >5 To 9, Deduct	*-137.17*	
		For >9, Deduct	*-274.35*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,860.41	247.68
		For 16 Gauge Stainless Steel, Add	*508.45*	
		For >5 To 9, Deduct	*-124.16*	
		For >9, Deduct	*-248.31*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,776.28	247.68
		For 16 Gauge Stainless Steel, Add	*490.36*	
		For >5 To 9, Deduct	*-119.74*	
		For >9, Deduct	*-239.48*	

12 31 16 00-0009 24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,974.60	267.69
		For 16 Gauge Stainless Steel, Add	*524.35*	
		For >5 To 9, Deduct	*-128.04*	
		For >9, Deduct	*-256.08*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	2,672.09	267.69
		For 16 Gauge Stainless Steel, Add	*459.31*	
		For >5 To 9, Deduct	*-112.16*	
		For >9, Deduct	*-224.31*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,738.32	267.69
		For 16 Gauge Stainless Steel, Add	*473.55*	
		For >5 To 9, Deduct	*-115.63*	
		For >9, Deduct	*-231.27*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,046.20	267.69
		For 16 Gauge Stainless Steel, Add	*539.74*	
		For >5 To 9, Deduct	*-131.80*	
		For >9, Deduct	*-263.59*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,979.69	267.69
		For 16 Gauge Stainless Steel, Add	*740.44*	
		For >5 To 9, Deduct	*-180.81*	
		For >9, Deduct	*-361.61*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,379.75	267.69
		For 16 Gauge Stainless Steel, Add	*826.45*	
		For >5 To 9, Deduct	*-201.81*	
		For >9, Deduct	*-403.62*	

12 31 16 00-0016 30" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,606.58	282.09
		For 16 Gauge Stainless Steel, Add	*439.16*	
		For >5 To 9, Deduct	*-107.24*	
		For >9, Deduct	*-214.47*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,820.20	282.09
		For 16 Gauge Stainless Steel, Add	*700.09*	
		For >5 To 9, Deduct	*-170.95*	
		For >9, Deduct	*-341.90*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	4,936.27	282.09
		For 16 Gauge Stainless Steel, Add	*940.04*	
		For >5 To 9, Deduct	*-229.55*	
		For >9, Deduct	*-459.09*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,536.20	282.09
		For 16 Gauge Stainless Steel, Add	*854.03*	
		For >5 To 9, Deduct	*-208.54*	
		For >9, Deduct	*-417.08*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,288.29	282.09
		For 16 Gauge Stainless Steel, Add	*800.73*	
		For >5 To 9, Deduct	*-195.53*	
		For >9, Deduct	*-391.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,282.31	282.09
		For 16 Gauge Stainless Steel, Add	*584.44*	
		For >5 To 9, Deduct	*-142.71*	
		For >9, Deduct	*-285.43*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,251.88	282.09
		For 16 Gauge Stainless Steel, Add	*577.90*	
		For >5 To 9, Deduct	*-141.12*	
		For >9, Deduct	*-282.23*	
12 31 16 00-0024		36" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,884.04	293.29
		For 16 Gauge Stainless Steel, Add	*493.83*	
		For >5 To 9, Deduct	*-120.59*	
		For >9, Deduct	*-241.17*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,530.23	293.29
		For 16 Gauge Stainless Steel, Add	*632.76*	
		For >5 To 9, Deduct	*-154.51*	
		For >9, Deduct	*-309.02*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,292.16	293.29
		For 16 Gauge Stainless Steel, Add	*581.58*	
		For >5 To 9, Deduct	*-142.01*	
		For >9, Deduct	*-284.03*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,211.04	293.29
		For 16 Gauge Stainless Steel, Add	*994.14*	
		For >5 To 9, Deduct	*-242.75*	
		For >9, Deduct	*-485.51*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,811.87	293.29
		For 16 Gauge Stainless Steel, Add	*908.31*	
		For >5 To 9, Deduct	*-221.80*	
		For >9, Deduct	*-443.60*	
12 31 16 00-0030		42" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,026.68	311.69
		For 16 Gauge Stainless Steel, Add	*516.69*	
		For >5 To 9, Deduct	*-126.17*	
		For >9, Deduct	*-252.34*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,495.98	311.69
		For 16 Gauge Stainless Steel, Add	*1,047.59*	
		For >5 To 9, Deduct	*-255.81*	
		For >9, Deduct	*-511.62*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,095.92	311.69
		For 16 Gauge Stainless Steel, Add	*961.58*	
		For >5 To 9, Deduct	*-234.80*	
		For >9, Deduct	*-469.61*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,681.53	311.69
		For 16 Gauge Stainless Steel, Add	*872.49*	
		For >5 To 9, Deduct	*-213.05*	
		For >9, Deduct	*-426.10*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	3,578.00	311.69
		For 16 Gauge Stainless Steel, Add	*635.23*	
		For >5 To 9, Deduct	*-155.11*	
		For >9, Deduct	*-310.23*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	3,812.49	311.69
		For 16 Gauge Stainless Steel, Add	*685.64*	
		For >5 To 9, Deduct	*-167.42*	
		For >9, Deduct	*-334.85*	
12 31 16 00-0037		48" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,766.08	318.89
		For 16 Gauge Stainless Steel, Add	*1,102.68*	
		For >5 To 9, Deduct	*-269.26*	
		For >9, Deduct	*-538.52*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,366.91	318.89
		For 16 Gauge Stainless Steel, Add	*1,016.86*	
		For >5 To 9, Deduct	*-248.30*	
		For >9, Deduct	*-496.60*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,296.78	318.89
		For 16 Gauge Stainless Steel, Add	*571.78*	
		For >5 To 9, Deduct	*-139.62*	
		For >9, Deduct	*-279.24*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,952.53	318.89
		For 16 Gauge Stainless Steel, Add	*927.76*	
		For >5 To 9, Deduct	*-226.55*	
		For >9, Deduct	*-453.09*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,085.27	318.89
		For 16 Gauge Stainless Steel, Add	*741.30*	
		For >5 To 9, Deduct	*-181.02*	
		For >9, Deduct	*-362.03*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	4,020.83	318.89
		For 16 Gauge Stainless Steel, Add	*727.45*	
		For >5 To 9, Deduct	*-177.63*	
		For >9, Deduct	*-355.27*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0044			60" Stainless Steel Base Cabinet *(12 31 16 00-0002)*		
	12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,975.16	328.61
			For 16 Gauge Stainless Steel, Add	*713.43*	
			For >5 To 9, Deduct	*-174.21*	
			For >9, Deduct	*-348.42*	
12 31 16 00-0046			18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets *(12 31 16 00-0001)*		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
	12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,606.35	94.30
			For 16 Gauge Stainless Steel, Add	*304.81*	
			For >5 To 9, Deduct	*-74.43*	
			For >9, Deduct	*-148.86*	
	12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,598.69	100.01
			For 16 Gauge Stainless Steel, Add	*300.71*	
			For >5 To 9, Deduct	*-73.43*	
			For >9, Deduct	*-146.86*	
12 31 16 00-0050			18" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
	12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,683.35	101.38
			For 16 Gauge Stainless Steel, Add	*318.30*	
			For >5 To 9, Deduct	*-77.72*	
			For >9, Deduct	*-155.45*	
	12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,585.79	101.38
			For 16 Gauge Stainless Steel, Add	*297.32*	
			For >5 To 9, Deduct	*-72.60*	
			For >9, Deduct	*-145.20*	
	12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,862.31	110.29
			For 16 Gauge Stainless Steel, Add	*352.95*	
			For >5 To 9, Deduct	*-86.19*	
			For >9, Deduct	*-172.37*	
	12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,802.35	110.29
			For 16 Gauge Stainless Steel, Add	*340.06*	
			For >5 To 9, Deduct	*-83.04*	
			For >9, Deduct	*-166.08*	
12 31 16 00-0055			24" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
	12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,390.74	112.24
			For 16 Gauge Stainless Steel, Add	*250.76*	
			For >5 To 9, Deduct	*-61.23*	
			For >9, Deduct	*-122.46*	
	12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,900.89	112.24
			For 16 Gauge Stainless Steel, Add	*360.44*	
			For >5 To 9, Deduct	*-88.02*	
			For >9, Deduct	*-176.03*	
	12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,804.23	112.24
			For 16 Gauge Stainless Steel, Add	*339.66*	
			For >5 To 9, Deduct	*-82.94*	
			For >9, Deduct	*-165.88*	
	12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,789.76	104.81
			For 16 Gauge Stainless Steel, Add	*339.68*	
			For >5 To 9, Deduct	*-82.95*	
			For >9, Deduct	*-165.89*	
	12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,686.83	104.81
			For 16 Gauge Stainless Steel, Add	*317.55*	
			For >5 To 9, Deduct	*-77.54*	
			For >9, Deduct	*-155.08*	
	12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,169.24	104.81
			For 16 Gauge Stainless Steel, Add	*421.27*	
			For >5 To 9, Deduct	*-102.87*	
			For >9, Deduct	*-205.74*	
	12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,273.34	104.81
			For 16 Gauge Stainless Steel, Add	*228.65*	
			For >5 To 9, Deduct	*-55.83*	
			For >9, Deduct	*-111.67*	
	12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,198.62	100.01
			For 16 Gauge Stainless Steel, Add	*214.69*	
			For >5 To 9, Deduct	*-52.42*	
			For >9, Deduct	*-104.85*	
12 31 16 00-0064			30" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
	12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,473.57	119.21
			For 16 Gauge Stainless Steel, Add	*480.55*	
			For >5 To 9, Deduct	*-117.34*	
			For >9, Deduct	*-234.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,239.08	119.21
		For 16 Gauge Stainless Steel, Add	*430.14*	
		For >5 To 9, Deduct	*-105.03*	
		For >9, Deduct	*-210.07*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,493.54	119.21
		For 16 Gauge Stainless Steel, Add	*269.84*	
		For >5 To 9, Deduct	*-65.89*	
		For >9, Deduct	*-131.78*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,353.99	109.73
		For 16 Gauge Stainless Steel, Add	*458.91*	
		For >5 To 9, Deduct	*-112.06*	
		For >9, Deduct	*-224.12*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,119.50	109.73
		For 16 Gauge Stainless Steel, Add	*408.50*	
		For >5 To 9, Deduct	*-99.75*	
		For >9, Deduct	*-199.50*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,373.96	109.73
		For 16 Gauge Stainless Steel, Add	*248.20*	
		For >5 To 9, Deduct	*-60.61*	
		For >9, Deduct	*-121.22*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,298.91	104.58
		For 16 Gauge Stainless Steel, Add	*234.31*	
		For >5 To 9, Deduct	*-57.22*	
		For >9, Deduct	*-114.43*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0048)*

12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,572.76	122.64
		For 16 Gauge Stainless Steel, Add	*500.41*	
		For >5 To 9, Deduct	*-122.19*	
		For >9, Deduct	*-244.39*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,332.90	122.64
		For 16 Gauge Stainless Steel, Add	*448.84*	
		For >5 To 9, Deduct	*-109.60*	
		For >9, Deduct	*-219.20*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,592.74	122.64
		For 16 Gauge Stainless Steel, Add	*289.71*	
		For >5 To 9, Deduct	*-70.74*	
		For >9, Deduct	*-141.48*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,452.21	112.24
		For 16 Gauge Stainless Steel, Add	*478.98*	
		For >5 To 9, Deduct	*-116.96*	
		For >9, Deduct	*-233.92*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,218.61	112.24
		For 16 Gauge Stainless Steel, Add	*428.75*	
		For >5 To 9, Deduct	*-104.70*	
		For >9, Deduct	*-209.39*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,472.18	112.24
		For 16 Gauge Stainless Steel, Add	*268.27*	
		For >5 To 9, Deduct	*-65.51*	
		For >9, Deduct	*-131.02*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,398.81	106.87
		For 16 Gauge Stainless Steel, Add	*254.78*	
		For >5 To 9, Deduct	*-62.21*	
		For >9, Deduct	*-124.43*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,688.57	154.30
		For 16 Gauge Stainless Steel, Add	*511.75*	
		For >5 To 9, Deduct	*-124.96*	
		For >9, Deduct	*-249.92*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,696.01	145.61
		For 16 Gauge Stainless Steel, Add	*517.06*	
		For >5 To 9, Deduct	*-126.26*	
		For >9, Deduct	*-252.52*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,457.94	145.61
		For 16 Gauge Stainless Steel, Add	*465.87*	
		For >5 To 9, Deduct	*-113.76*	
		For >9, Deduct	*-227.52*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,714.19	145.61
		For 16 Gauge Stainless Steel, Add	*305.97*	
		For >5 To 9, Deduct	*-74.71*	
		For >9, Deduct	*-149.43*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,546.47	122.29
		For 16 Gauge Stainless Steel, Add	*494.91*	
		For >5 To 9, Deduct	*-120.85*	
		For >9, Deduct	*-241.70*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,310.19	122.29
		For 16 Gauge Stainless Steel, Add	*444.11*	
		For >5 To 9, Deduct	*-108.44*	
		For >9, Deduct	*-216.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,566.44	122.29
		For 16 Gauge Stainless Steel, Add	*284.20*	
		For >5 To 9, Deduct	*-69.40*	
		For >9, Deduct	*-138.80*	
12 31 16 00-0088		48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*		
12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,359.65	154.30
		For 16 Gauge Stainless Steel, Add	*439.69*	
		For >5 To 9, Deduct	*-107.37*	
		For >9, Deduct	*-214.73*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,793.29	148.82
		For 16 Gauge Stainless Steel, Add	*536.56*	
		For >5 To 9, Deduct	*-131.02*	
		For >9, Deduct	*-262.04*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,558.80	148.82
		For 16 Gauge Stainless Steel, Add	*486.15*	
		For >5 To 9, Deduct	*-118.71*	
		For >9, Deduct	*-237.42*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,813.26	148.82
		For 16 Gauge Stainless Steel, Add	*325.85*	
		For >5 To 9, Deduct	*-79.57*	
		For >9, Deduct	*-159.14*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,643.47	123.44
		For 16 Gauge Stainless Steel, Add	*515.23*	
		For >5 To 9, Deduct	*-125.81*	
		For >9, Deduct	*-251.63*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,409.87	123.44
		For 16 Gauge Stainless Steel, Add	*465.01*	
		For >5 To 9, Deduct	*-113.55*	
		For >9, Deduct	*-227.10*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,663.44	123.44
		For 16 Gauge Stainless Steel, Add	*304.53*	
		For >5 To 9, Deduct	*-74.36*	
		For >9, Deduct	*-148.72*	
12 31 16 00-0096		Accessories *(12 31 16 00-0001)*		
12 31 16 00-0097		Stainless Steel Countertops *(12 31 16 00-0096)*		
		Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	99.89	6.29
		For 14 Gauge Stainless Steel, Add	*19.30*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	91.72	6.29
		For 14 Gauge Stainless Steel, Add	*17.49*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	162.68	
12 31 16 00-0101		Stainless Steel Wall Panels *(12 31 16 00-0096)*		
12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	38.89	9.37
		For 18 Gauge Stainless Steel, Add	*5.47*	
		For 16 Gauge Stainless Steel, Add	*10.54*	
12 31 16 00-0103		Pedestal Legs *(12 31 16 00-0096)*		
12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	351.99	14.29
12 31 16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	382.06	27.12
12 35		**Specialty Casework** *(12 30)*		
12 35 59		**Display Casework** *(12 35)*		
		See CSI section 10 12 00 00-0000 for display cases.		
12 35 70		**Healthcare Casework** *(12 35)*		
12 35 70 13		**Hospital Casework** *(12 35 70)*		
12 35 70 13-0001		Modular Casework *(12 35 70 13)*		
		Note: Midmark.		
12 35 70 13-0002	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	933.70	99.44
12 35 70 13-0003	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,158.24	124.30
12 35 70 13-0004	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,617.52	99.44
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,858.47	124.30
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,055.42	99.44
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,418.09	124.30
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,059.52	99.44
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,140.21	99.44
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,209.96	99.44
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,512.45	124.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,535.70	124.30
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,419.21	99.44
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,649.22	124.30
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,699.82	124.30
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,242.79	99.44
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,278.35	99.44
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,369.98	99.44
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,279.70	124.30
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,408.26	124.30
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,601.11	99.44
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,695.48	99.44
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,858.22	99.44
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,263.35	298.31
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	2,999.40	298.31
12 35 70 13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501)	123.33	24.86
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	682.05	99.44
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	669.75	99.44
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	713.51	99.44
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	772.32	99.44
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	839.33	99.44
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	961.30	124.30
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,041.99	124.30
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,277.22	124.30
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,419.46	124.30
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	173.55	16.27
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	340.81	21.69
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	37.55	13.57

12 35 70 19 Exam Room Casework *(12 35 70)*

12 35 70 19-0001 Medical Exam Room Cabinetwork *(12 35 70 19)*

12 35 70 19-0002 Medical Exam Room Wall Cabinets *(12 35 70 19-0001)*

12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) *(12 35 70 19-0002)*

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	522.94	33.62
		For Additional Shelf, Add	*47.37*	
		For Lock And Inside Latch Combo For Double Doors, Add	*109.62*	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	570.31	33.62
		For Additional Shelf, Add	*47.37*	
		For Lock And Inside Latch Combo For Double Doors, Add	*109.62*	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	929.30	43.92
		For Additional Shelf, Add	*47.37*	
		For Lock And Inside Latch Combo For Double Doors, Add	*110.03*	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	1,012.60	46.10
		For Additional Shelf, Add	*47.37*	
		For Lock And Inside Latch Combo For Double Doors, Add	*110.11*	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	1,118.38	49.35
		For Additional Shelf, Add	*47.37*	
		For Lock And Inside Latch Combo For Double Doors, Add	*110.24*	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	1,264.75	52.60
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*74.28*	
		For Lock And Inside Latch Combo For Double Doors, Add	*110.37*	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	1,457.32	56.40
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*74.43*	
		For Lock And Inside Latch Combo For Double Doors, Add	*110.52*	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	1,542.79	59.65
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*74.56*	
		For Lock And Inside Latch Combo For Double Doors, Add	*110.65*	

12 35 70 19-0012 Medical Exam Room Base Cabinets *(12 35 70 19-0001)*

12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®) *(12 35 70 19-0012)*

Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,756.36	82.97
		For Lock For Single Door/Drawer, Add	*75.49*	
		For Soft Edge Top, Add	*552.70*	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,817.27	82.97
		For Lock For Single Door/Drawer, Add	*75.49*	
		For Soft Edge Top, Add	*552.70*	
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	2,042.86	82.97
		For Lock For Single Door/Drawer, Add	*75.49*	
		For Soft Edge Top, Add	*552.70*	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	2,060.91	82.97
		For Lock For Single Door/Drawer, Add	*75.49*	
		For Soft Edge Top, Add	*552.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	2,331.62	82.97
		For Lock For Single Door/Drawer, Add	*75.49*	
		For Soft Edge Top, Add	*552.70*	

12 35 70 19-0019 Medical Exam Room Base Cabinets (Clinton Industries®) *(12 35 70 19-0012)*

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.

12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)	891.52	135.57
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*77.58*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.67*	
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	1,226.21	82.97
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*75.49*	
		For Lock And Inside Latch Combo For Double Doors, Add	*111.58*	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,776.97	93.27
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*75.90*	
		For Lock And Inside Latch Combo For Double Doors, Add	*111.99*	
12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)	1,922.99	100.86
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*76.20*	
		For Lock And Inside Latch Combo For Double Doors, Add	*112.29*	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)	2,097.92	113.88
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*76.71*	
		For Lock And Inside Latch Combo For Double Doors, Add	*112.80*	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)	2,529.27	122.01
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*77.04*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.13*	
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)	2,795.95	130.15
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*77.36*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.45*	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)	2,964.89	189.79
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*79.73*	
		For Lock And Inside Latch Combo For Double Doors, Add	*115.82*	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)	2,981.41	138.28
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*77.68*	
		For Lock And Inside Latch Combo For Double Doors, Add	*113.77*	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)	3,401.66	200.65
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*47.37*	
		For Lock For Single Door/Drawer, Add	*80.16*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.25*	

12 35 70 19-0030 Medical Exam Room Cabinet Combinations *(12 35 70 19-0001)*

12 35 70 19-0031 Medical Exam Room Cabinet Combinations (Ritter®) *(12 35 70 19-0030)*

Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.

12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	2,842.98	162.68
		For Locks On Single Drawer And All Doors, Add	*715.80*	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	2,930.96	162.68
		For Locks On Single Drawer And All Doors, Add	*715.80*	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,559.15	206.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*718.38*	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,685.48	206.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*718.38*	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,291.91	162.68
		For Locks On Single Drawer And All Doors, Add	*715.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,382.15	162.68
		For Locks On Single Drawer And All Doors, Add	*715.80*	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,276.53	206.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*718.38*	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,362.25	206.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*718.38*	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	3,738.58	162.68
		For Locks On Single Drawer And All Doors, Add	*715.80*	
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	3,833.33	162.68
		For Locks On Single Drawer And All Doors, Add	*715.80*	
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	4,725.46	206.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*718.38*	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	4,817.95	206.06
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*718.38*	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,233.15	184.38
		For Locks On Single Drawer And All Doors, Add	*717.09*	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,318.87	184.38
		For Locks On Single Drawer And All Doors, Add	*717.09*	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	5,217.77	227.76
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*719.67*	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	5,319.28	227.76
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*719.67*	

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	17.04	10.84
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	22.67	10.84
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	29.97	3.25
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	90.38	

12 36 53 Laboratory Countertops *(12 36)*

12 36 53 00-0001 Epoxy Resin Laboratory Countertops *(12 36 53)*

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	60.88	5.43
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	62.92	5.43
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	77.00	5.43
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	22.94	3.25
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	31.16	3.25

12 36 53 00-0007 Epoxy Resin Laboratory Sinks *(12 36 53)*

Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink *(12 36 53 00-0007)*

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	599.39	113.14
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	609.64	113.14
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	719.20	113.14
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	609.64	113.14
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	646.49	122.65
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	683.01	122.65
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,441.78	122.65
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	766.46	122.65
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	792.90	131.11
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	981.22	131.11
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,182.03	131.11
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,615.40	131.11
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,329.54	131.11
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,811.88	131.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,859.56	134.28
12 36 53 00-0024		**Epoxy Resin Laboratory Drop-in Sink** *(12 36 53 00-0007)*		
12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	597.86	113.14
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	599.37	113.14
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	704.42	113.14
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	609.64	113.14
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	643.80	113.14
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	643.80	113.14
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	646.49	122.65
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	683.01	122.65
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	703.92	122.65
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	709.13	122.65
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	835.35	122.65
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	861.79	131.11
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	881.22	131.11
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	887.82	131.11
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	1,324.47	131.11
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	608.17	112.08
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	625.87	112.08
12 36 53 00-0042		**Epoxy Resin Laboratory ADA Drop-in Sink** *(12 36 53 00-0007)*		
12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	604.35	112.08
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	652.71	112.08
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	677.42	112.08
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	887.82	131.11
12 36 53 00-0047		**Epoxy Resin Laboratory Cup Sink** *(12 36 53 00-0007)*		
12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	385.97	90.93
12 36 53 00-0049		**Polypropylene Laboratory Countertops** *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	26.69	5.43
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	29.71	5.43
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	33.58	5.43
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	11.54	3.25
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	14.06	3.25
12 36 53 00-0055		**Polypropylene Laboratory Sinks** *(12 36 53)*		
		Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0056		**Polypropylene Laboratory Undermount Sink** *(12 36 53 00-0055)*		
12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	643.69	113.14
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	678.82	113.14
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	670.18	113.14
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	705.24	122.65
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	872.88	122.65
12 36 53 00-0062	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	881.63	122.65
12 36 53 00-0063	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	881.63	122.65
12 36 53 00-0064	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	943.39	131.11
12 36 53 00-0065	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	987.72	131.11
12 36 53 00-0066	EA	23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	943.39	131.11
12 36 53 00-0067	EA	30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,472.86	131.11
12 36 53 00-0068	EA	31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,464.99	131.11
12 36 53 00-0069	EA	42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	2,575.63	134.28
12 36 53 00-0070		**Polypropylene Laboratory Drop-in Sink** *(12 36 53 00-0055)*		
12 36 53 00-0071	EA	11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	555.49	113.14
12 36 53 00-0072	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	888.65	113.14
12 36 53 00-0073	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	590.58	113.14
12 36 53 00-0074	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	581.96	113.14
12 36 53 00-0075	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	793.41	122.65
12 36 53 00-0076	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	617.00	122.65
12 36 53 00-0077	EA	18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	793.41	122.65
12 36 53 00-0078	EA	16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	775.68	122.65
12 36 53 00-0079	EA	18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	758.45	122.65
12 36 53 00-0080	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	793.41	122.65
12 36 53 00-0081	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	855.17	131.11
12 36 53 00-0082	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	899.48	131.11
12 36 53 00-0083	EA	31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,332.21	131.11
12 36 53 00-0084	EA	12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	519.37	112.08
12 36 53 00-0085		**Polypropylene Laboratory ADA Drop-in Sink** *(12 36 53 00-0055)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0086	EA	16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	758.45	122.65
12 36 53 00-0087	EA	25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	879.63	131.11
12 36 53 00-0088		Polypropylene Laboratory Cup Sink *(12 36 53 00-0055)*		
12 36 53 00-0089	EA	6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	408.75	112.08
12 36 53 00-0090		Phenolic Resin Laboratory Countertops *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	43.16	5.43
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	48.78	5.43
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	52.69	5.43
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	16.42	3.25
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	21.31	3.25
12 36 53 00-0096		High Pressure Laminate Laboratory Countertops *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	24.97	5.43
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	26.26	5.43
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	26.26	5.43
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	13.85	3.25
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	13.85	3.25
12 36 61		**Simulated Stone Countertops** *(12 36)*		
12 36 61 16		**Solid Surfacing Countertops** *(12 36 61)*		
12 36 61 16-0001		Solid Surface Countertops *(12 36 61 16)*		
12 36 61 16-0002		Solid Surface Countertops *(12 36 61 16-0001)*		
		Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash	46.88	7.24
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	*15.49*	
		For >50 To 100, Add	*8.81*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash	72.83	10.84
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	*23.65*	
		For >50 To 100, Add	*13.85*	
		For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	*250.50*	
		For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	*316.74*	
		For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	*231.23*	
		For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	*220.39*	
		For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	*316.74*	
		For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	*316.74*	
		For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	*316.74*	
		For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	*316.74*	
		For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	*285.42*	
		Note: Single or double bowl.		
		For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	*496.18*	
		Note: Single or double bowl.		
		For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	*664.78*	
		Note: Single or double bowl.		
		For >3 SF Integral Single Basin Kitchen Sink, Add	*720.18*	
		Note: Single or double bowl.		
		For >3 SF Integral Double Basin Kitchen Sink, Add	*720.18*	
12 36 61 16-0005	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	79.33	10.84
		For Up To 50, Add	*25.60*	
		For >50 To 100, Add	*15.15*	
		For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	*250.50*	
		For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	*316.74*	
		For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	*231.23*	
		For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	*220.39*	
		For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	*316.74*	
		For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	*316.74*	
		For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	*316.74*	
		For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	*316.74*	
		For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	*285.42*	
		Note: Single or double bowl.		
		For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	*496.18*	
		Note: Single or double bowl.		
		For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	*664.78*	
		Note: Single or double bowl.		
		For >3 SF Integral Single Basin Kitchen Sink, Add	*720.18*	
		Note: Single or double bowl.		
		For >3 SF Integral Double Basin Kitchen Sink, Add	*720.18*	
12 36 61 16-0006	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops	27.19	4.61
12 36 61 16-0007	EA	Cutout For Undercounter Sink In Solid Surface Countertop	162.68	
		Note: Not including integral seamed sinks		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0008		Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0009	EA	16-1/2" x 13-1/8"" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	287.38	
12 36 61 16-0010	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	353.62	
12 36 61 16-0011	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	268.11	
12 36 61 16-0012	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	257.27	
12 36 61 16-0013	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	353.62	
12 36 61 16-0014	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	353.62	
12 36 61 16-0015	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	353.62	
12 36 61 16-0016	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	353.62	
12 36 61 16-0017		Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0018	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	372.19	
12 36 61 16-0019	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	582.95	
12 36 61 16-0020	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	751.55	
12 36 61 16-0021	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	806.95	
12 36 61 16-0022	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	806.95	
12 36 61 19		**Quartz Agglomerate Countertops** *(12 36 61)*		
12 36 61 19-0001		Quartz Agglomerate Countertops *(12 36 61 19)* Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	111.03	23.86
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	136.00	23.86
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	123.78	27.77
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	148.73	27.77
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	19.95	4.61
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	162.68	
12 36 91		**Countertop Accessories** *(12 36)*		
12 36 91 00-0001		Countertop Accessories *(12 36 91)*		
12 36 91 00-0002	EA	Wall Hung Bracket, Countertop Support	76.87	7.24
12 40		**Furnishings and Accessories** *(12)*		
12 41		**Office Accessories** *(12 40)*		
12 41 11		**Office Accessories** *(12 41)*		
12 41 11 00-0001		Wall Mounted Office Accessories *(12 41 11)*		
12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	25.03	3.77
12 41 11 00-0003	EA	Wall Mounted Flag	18.37	3.77
12 41 11 00-0004		Desk Edge Mounted Clamps *(12 41 11)*		
12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.	40.54	
		For >10 To 50, Deduct	*-9.89*	
		For >50, Deduct	*-15.83*	
12 48		**Rugs and Mats** *(12 40)*		
12 48 13		**Entrance Floor Mats and Frames** *(12 48)*		
12 48 13 13		**Entrance Floor Mats** *(12 48 13)*		
12 48 13 13-0001		Floor Mats *(12 48 13 13)*		
12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat	35.34	2.58
		For Colors, Add	*6.04*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat	44.63	2.58
		For Colors, Add	*7.89*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	37.66	2.58
		For Colors, Add	*6.50*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	46.95	2.58
		For Colors, Add	*8.36*	
12 48 13 13-0006		Link Mats *(12 48 13 13)* Note: Includes nosing.		
12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	49.55	2.58
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	37.08	2.58
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	23.71	2.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0010	SF	Vinyl Link Mats, Color	40.53	2.58
12 48 13 13-0011	LF	Rubber Nosing	4.75	1.13
12 48 13 13-0012		**Duckboard** *(12 48 13 13)*		
12 48 13 13-0013	SF	Aluminum Slats	71.50	2.82
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	15.12	2.82
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	16.52	2.82
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	23.08	2.82
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	21.03	2.82
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	33.18	2.82
12 48 13 16		**Entrance Floor Mat Frames** *(12 48 13)*		
12 48 13 16-0001		**Recessed Frames** *(12 48 13 16)*		
12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	29.58	4.34
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	18.81	4.34
12 48 19		**Entrance Floor Gratings** *(12 48)*		
12 48 19 00-0001		**Stainless Steel Entrance Floor Grating And Frame** *(12 48 19)*		
12 48 19 00-0002	SF	18" x 18" Stainless Steel Grid Flooring, 3/4" High, C/S Floorometry 101 System	116.31	2.58
12 50		**Furniture** *(12)*		
12 55		**Detention Furniture** *(12 50)*		
12 55 13		**Detention Bunks** *(12 55)*		
12 55 13 00-0001		**Wall Mounted Single Bunks** *(12 55 13)*		
		Note: 14 Gauge center pan, 7 gauge bracket, painted.		
12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	516.38	83.28
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	590.01	83.28
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	641.55	83.28
12 55 13 00-0005		**Floor Supported Single Bunks** *(12 55 13)*		
		Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	516.38	83.28
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	590.01	83.28
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	641.55	83.28
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	989.23	118.44
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	838.76	118.44
12 55 13 00-0011		**Floor Mounted Single Bunks** *(12 55 13)*		
		Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	516.38	83.28
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	590.01	83.28
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	641.55	83.28
12 55 13 00-0015		**Single Stackable Bunks** *(12 55 13)*		
		Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	531.10	83.28
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	553.19	83.28
12 55 13 00-0018		**Double Bunks** *(12 55 13)*		
		Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	940.06	111.04
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	954.79	111.04
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	1,017.37	111.04
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	1,559.08	177.66
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	1,408.61	177.66
12 55 13 00-0024		**Non-Removable Storage Drawers For Bunks/Beds** *(12 55 13)*		
		Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer	226.86	41.64
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer	379.68	44.42
12 55 13 00-0027		**Expanded Metal Convertible Beds** *(12 55 13)*		
		Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	532.77	83.28
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	563.31	83.28

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	593.82	83.28
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	73.52	

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat *(12 55 16)*

Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.

12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	976.91	88.84
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	1,235.23	88.84

12 55 16 00-0004 Institutional Desk And Seat *(12 55 16)*

12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	1,290.17	118.44
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	1,139.70	118.44
12 55 16 00-0007	EA	Institutional Desk, Up To 20	1,139.70	118.44
12 55 16 00-0008	EA	Institutional Desk, Over 20	989.23	118.44

12 55 19 Detention Stools *(12 55)*

12 55 19 00-0001 Heavy Duty Steel Bench *(12 55 19)*

Note: 10 Gauge formed steel seat with rounded corners and edges, painted.

12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	497.81	66.63
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	604.63	72.17
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	670.85	77.73

12 55 19 00-0005 Stationary Stools *(12 55 19)*

Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.

12 55 19 00-0006	EA	12" Diameter Stainless Steel Stationary Stool, 18" High	374.43	66.63
12 55 19 00-0007	EA	Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	344.63	47.37
12 55 19 00-0008	EA	Floor Mounted Stool, 8" x 8" x 20"H, Over 20	368.85	47.37
12 55 19 00-0009	EA	Wall Mounted Swivel Stool, Up To 20	479.57	59.22
12 55 19 00-0010	EA	Wall Mounted Swivel Stool, Over 20	389.29	59.22

12 55 19 00-0011 Cell Bench *(12 55 19)*

Note: 1-3/4" Thick red oak bench top, polyurethane finish.

12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	360.11	66.73
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	430.77	72.17
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	476.13	77.73

12 55 23 Detention Tables *(12 55)*

12 55 23 00-0001 Wall Mounted Table And Seat Set *(12 55 23)*

Note: 7 Gauge steel, painted.

12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	255.65	47.20

12 55 23 00-0003 Heavy Duty Picnic Style Table *(12 55 23)*

Note: 10 Gauge steel, painted.

12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,363.13	83.28
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,742.38	88.84
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,943.13	97.16

12 55 23 00-0007 Heavy Duty Picnic Style Table *(12 55 23)*

Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.

12 55 23 00-0008	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,375.55	83.28
12 55 23 00-0009	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,399.07	88.84
12 55 23 00-0010	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,599.82	97.16

12 55 23 00-0011 Heavy Duty Pedestal Style Table *(12 55 23)*

Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.

12 55 23 00-0012	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	1,206.44	69.41
12 55 23 00-0013	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	1,972.25	74.95
12 55 23 00-0014	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	2,927.78	83.28
12 55 23 00-0015	EA	12" Diameter Stainless Steel Replacement Seat	92.27	11.10

12 55 23 00-0016 Heavy Duty Pedestal Style Table *(12 55 23)*

Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.

12 55 23 00-0017	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	1,519.38	69.41
12 55 23 00-0018	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	2,634.93	74.95
12 55 23 00-0019	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	3,829.76	83.28
12 55 23 00-0020	EA	12" Diameter Gray-Primed Steel Replacement Seats	64.77	11.10
12 55 23 00-0021	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,072.14	136.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 23 00-0022	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,771.20	136.21
12 55 23 00-0023	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,697.70	148.05
12 55 23 00-0024	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	2,396.76	148.05
12 55 23 00-0025	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,925.15	159.90
12 55 23 00-0026	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,323.27	159.90

12 55 26 Detention Safety Clothes Hooks *(12 55)*

12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	78.44	22.85
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	73.37	22.21
12 55 26 00-0003	EA	8" x 18" Storage Shelf	384.07	44.42
		Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	395.70	47.37
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	320.46	47.37
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20	158.63	26.64
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20	188.57	26.64
12 55 26 00-0008	EA	Adjustable, Auto-Release Clothes/Towel Hook (Whitehall WH1830A-SLPT)	225.32	22.85
12 55 26 00-0009	EA	19" Overall Length, 8" Overall Height, 4" Overall Depth, Enviro-Glaze, Recessed Shelf (Whitehall WH1820-FA)	410.72	51.43

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount	275.66	85.73
12 55 86 00-0002	EA	Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	779.54	88.83
12 55 86 00-0003	EA	>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	704.30	88.83
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates	1,876.71	35.53
		Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	811.57	29.61
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	396.66	17.77
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	481.02	14.80

12 56 Institutional Furniture *(12 50)*

12 56 39 Lecterns *(12 56)*

12 56 39 00-0001 Lectern *(12 56 39)*

12 56 39 00-0002	EA	CON 1500-32 Van Oak Lectern	6,170.31	48.60

12 56 53 Laboratory Furniture *(12 56)*

12 56 53 00-0001 Steel Laboratory Furniture *(12 56 53)*

12 56 53 00-0002 Modular Steel Laboratory Cabinets *(12 56 53 00-0001)*

12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,156.74	93.74
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,154.35	93.74
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,262.41	102.31
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,197.79	102.31
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,425.25	115.45
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,470.93	119.24
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,622.31	131.50
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,685.16	136.61
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,636.60	132.59
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,642.32	133.13
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,736.56	140.73
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,699.40	137.69
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,270.73	184.02
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,313.23	187.49
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,553.42	206.92
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,593.66	210.17
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,376.53	192.59
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,644.72	214.40
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,563.35	214.40
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,401.38	194.22
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,379.84	194.22
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,570.58	208.33
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,551.49	208.00
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,792.73	226.12
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,876.12	233.06
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,147.29	254.98
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,221.29	261.06
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,687.71	217.76
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,527.76	204.85
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,856.19	231.44
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,716.23	220.15
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,047.74	246.95
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,047.74	246.95
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,335.72	270.28
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,216.09	260.63

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,735.91	302.73
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,750.27	302.83
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,072.99	330.07
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,112.98	333.32
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,572.81	370.54
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,715.65	382.15
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,466.10	381.93
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,998.23	405.04
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,884.06	395.81
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,170.68	175.89
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,110.85	176.32
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,264.94	183.48
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,205.11	183.48
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,041.78	246.52
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,630.52	213.10
12 56 53 00-0054		35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,211.02	98.20
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,203.84	98.20
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,279.60	103.73
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,236.74	100.36
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,465.22	118.81
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,536.63	124.24
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,639.45	132.91
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,702.29	138.34
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,716.58	138.88
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,716.58	138.88
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,822.24	147.57
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,798.17	149.73
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,379.19	192.59
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,442.03	197.48
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,624.87	212.67
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,684.82	217.55
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,644.85	214.29
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,719.13	220.26
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,901.70	234.90
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,135.81	253.90
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,114.55	253.90
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,853.32	230.56
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,521.48	231.65
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,998.99	243.04
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,948.73	243.04
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,304.59	267.79
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,436.01	278.41
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,649.60	295.78
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,735.91	302.73
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,042.05	246.31
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,250.28	263.11
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,270.11	264.75
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,395.96	275.05
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,921.55	317.91
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,055.76	328.76
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,258.44	345.03
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,261.54	345.03
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,764.17	386.27
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,803.88	388.99
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,901.66	397.12
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,169.33	419.36
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,186.02	420.45
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,261.19	426.31
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,509.55	446.48
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,615.17	455.06
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,757.99	466.57
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,915.35	479.37
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,216.48	179.57
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,256.27	182.83
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,264.94	183.37
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,316.14	187.71
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,047.74	246.95
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,139.16	254.33
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,361.60	272.45
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,410.04	276.14
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,162.15	256.06
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,933.80	237.62
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,556.61	126.18
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,576.62	127.70
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,642.32	132.91
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,648.02	133.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,156.46	174.80
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,205.00	178.71
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,350.61	190.42
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,359.18	191.18
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,724.77	220.80
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,998.99	243.04
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,136.09	254.11
12 56 53 00-0123		25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,151.04	93.31
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,188.16	96.24
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,196.73	97.00
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,228.16	99.49
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,285.29	104.16
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,313.85	106.44
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,430.94	115.99
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,448.09	117.29
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,702.29	137.91
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,745.12	141.38
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,785.12	144.63
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,822.24	147.68
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,216.44	179.57
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,244.99	181.96
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,447.74	198.35
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,456.32	199.10
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,990.75	161.34
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,056.45	166.66
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,090.71	169.37
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,127.84	172.41
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,981.86	241.63
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,041.87	246.52
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,218.89	260.84
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,276.05	265.50
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,724.77	220.80
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,016.15	244.45
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,300.01	179.57
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,329.64	181.96
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,540.04	198.35
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,548.94	198.99
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,094.30	241.63
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,156.57	246.52
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,340.27	260.84
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,399.58	265.50
12 56 53 00-0158		31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,256.72	101.99
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,293.86	104.70
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,299.57	105.25
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,313.85	106.33
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,396.68	113.38
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,436.67	116.10
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,705.14	138.34
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,742.29	141.05
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,773.71	143.77
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,819.37	147.57
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,850.83	150.27
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,939.37	156.79
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,396.36	194.22
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,430.61	196.94
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,701.92	219.17
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,756.18	223.51
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,110.71	170.89
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,173.58	175.78
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,204.96	178.48
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,262.10	183.37
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,078.97	249.01
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,167.52	256.61
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,690.15	298.93
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,512.99	265.29
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,016.07	244.67
12 56 53 00-0184	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,590.21	291.32
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,486.72	194.22
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,522.27	196.94
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,803.80	218.96
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,860.11	223.30
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,195.07	249.56
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,286.96	256.72

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,829.29	299.03
12 56 53 00-0192	EA	48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,647.18	265.50
12 56 53 00-0193		**Wood Laboratory Furniture** *(12 56 53)*		
		Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.		
12 56 53 00-0194		**Wood Laboratory Cabinets** *(12 56 53 00-0193)*		
12 56 53 00-0195		**28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	945.57	85.72
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	976.24	88.43
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,006.91	91.15
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,037.56	94.40
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,152.61	104.70
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,229.27	111.22
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,285.50	116.10
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,354.51	122.61
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,150.05	104.16
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,190.94	107.96
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,216.49	110.13
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,249.69	113.38
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,607.55	145.39
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,706.94	154.62
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,763.38	159.50
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,832.60	166.01
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,689.13	152.98
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,748.26	158.41
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,794.09	162.75
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,855.47	167.64
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,717.41	155.16
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,786.42	162.21
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,837.52	166.55
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,896.32	171.98
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,686.05	243.04
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,846.94	257.70
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,905.67	263.11
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,020.75	273.43
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,077.02	278.31
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,220.10	291.87
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,314.56	300.55
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,429.63	310.86
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,272.69	115.56
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,318.70	119.90
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,346.82	122.06
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,385.17	125.32
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,054.73	186.08
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,149.30	194.65
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,210.62	200.19
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,289.88	207.35
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	2,683.43	243.04
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	2,974.71	269.63
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,047.81	94.94
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,081.04	97.87
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,101.47	99.72
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,127.03	102.10
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,443.93	130.75
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,518.04	137.47
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,561.50	141.38
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,607.49	145.61
12 56 53 00-0246		**35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,656.66	150.01
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,145.76	193.97
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,160.73	195.66
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,492.07	225.66
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,715.82	245.92
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,047.11	275.93
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,259.54	295.16
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,859.87	349.52
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	1,996.49	180.33
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,749.76	248.99
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,860.21	259.00
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer	3,197.22	289.52
12 56 53 00-0259		**30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets** *(12 56 53 00-0194)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,124.48	101.99
		For 36" Height Cabinet, Add	*170.35*	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,167.93	105.25
		For 36" Height Cabinet, Add	*176.93*	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,198.59	108.50
		For 36" Height Cabinet, Add	*181.58*	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,093.81	98.74
		For 36" Height Cabinet, Add	*165.70*	
12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,257.39	113.93
		For 36" Height Cabinet, Add	*190.48*	
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,362.17	123.15
		For 36" Height Cabinet, Add	*206.36*	
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,423.50	129.11
		For 36" Height Cabinet, Add	*215.65*	
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,507.85	136.17
		For 36" Height Cabinet, Add	*228.43*	
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,234.38	111.76
		For 36" Height Cabinet, Add	*187.00*	
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,290.60	117.18
		For 36" Height Cabinet, Add	*195.52*	
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,558.88	1,226.08
		For 36" Height Cabinet, Add	*20.48*	
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,387.72	125.32
		For 36" Height Cabinet, Add	*210.23*	
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,814.54	164.38
		For 36" Height Cabinet, Add	*274.88*	
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,955.08	176.86
		For 36" Height Cabinet, Add	*296.18*	
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,044.52	185.53
		For 36" Height Cabinet, Add	*309.73*	
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,151.83	194.76
		For 36" Height Cabinet, Add	*325.99*	
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,382.60	125.32
		For 36" Height Cabinet, Add	*209.45*	
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,436.27	130.20
		For 36" Height Cabinet, Add	*217.58*	
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,477.16	133.46
		For 36" Height Cabinet, Add	*223.78*	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,533.39	138.88
		For 36" Height Cabinet, Add	*232.30*	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,113.51	191.51
		For 36" Height Cabinet, Add	*320.18*	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,248.99	203.44
		For 36" Height Cabinet, Add	*340.70*	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,310.27	209.41
		For 36" Height Cabinet, Add	*349.99*	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,450.85	221.89
		For 36" Height Cabinet, Add	*371.29*	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,891.22	170.89
		For 36" Height Cabinet, Add	*286.50*	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,041.73	185.00
		For 36" Height Cabinet, Add	*309.34*	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,179.85	197.48
		For 36" Height Cabinet, Add	*330.25*	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,333.20	211.58
		For 36" Height Cabinet, Add	*353.48*	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,284.99	206.69
		For 36" Height Cabinet, Add	*346.12*	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,428.05	219.72
		For 36" Height Cabinet, Add	*367.80*	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,504.51	226.77
		For 36" Height Cabinet, Add	*379.42*	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,642.48	239.25
		For 36" Height Cabinet, Add	*400.32*	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,785.87	252.27
		For 36" Height Cabinet, Add	*422.01*	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	2,900.56	263.11
		For 36" Height Cabinet, Add	*439.43*	

12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,390.27	125.86
		For 36" Height Cabinet, Add	*210.62*	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,523.18	137.80
		For 36" Height Cabinet, Add	*230.75*	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,597.29	144.85
		For 36" Height Cabinet, Add	*241.98*	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,696.96	152.98
		For 36" Height Cabinet, Add	*257.07*	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,293.17	117.18
		For 36" Height Cabinet, Add	*195.90*	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,362.17	123.70
		For 36" Height Cabinet, Add	*206.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,403.01	127.49
		For 36" Height Cabinet, Add	*212.55*	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,461.83	131.83
		For 36" Height Cabinet, Add	*221.46*	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,919.33	173.60
		For 36" Height Cabinet, Add	*290.76*	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,082.87	188.25
		For 36" Height Cabinet, Add	*315.54*	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,174.86	197.48
		For 36" Height Cabinet, Add	*329.47*	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,297.49	207.78
		For 36" Height Cabinet, Add	*348.06*	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,446.49	131.29
		For 36" Height Cabinet, Add	*219.13*	
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,489.96	135.09
		For 36" Height Cabinet, Add	*225.71*	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,538.48	138.88
		For 36" Height Cabinet, Add	*233.07*	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,617.72	146.48
		For 36" Height Cabinet, Add	*245.07*	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,205.54	199.64
		For 36" Height Cabinet, Add	*334.12*	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,379.33	215.38
		For 36" Height Cabinet, Add	*360.45*	
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,453.37	222.43
		For 36" Height Cabinet, Add	*371.67*	
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,611.86	236.54
		For 36" Height Cabinet, Add	*395.68*	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,980.69	179.03
		For 36" Height Cabinet, Add	*300.05*	
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,189.96	198.56
		For 36" Height Cabinet, Add	*331.80*	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,299.96	208.33
		For 36" Height Cabinet, Add	*348.44*	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,458.66	222.97
		For 36" Height Cabinet, Add	*372.45*	
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,387.27	215.92
		For 36" Height Cabinet, Add	*361.61*	
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,537.95	229.49
		For 36" Height Cabinet, Add	*384.45*	
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,639.98	239.25
		For 36" Height Cabinet, Add	*399.94*	
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,783.03	251.72
		For 36" Height Cabinet, Add	*421.62*	
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,916.19	264.20
		For 36" Height Cabinet, Add	*441.75*	
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	3,010.40	272.88
		For 36" Height Cabinet, Add	*456.07*	

12 56 53 00-0325 Wood Laboratory Pegboard *(12 56 53 00-0193)*

12 56 53 00-0326	EA	3/4" Thick x 32" Long x 29" High Laboratory Pegboard Note: Includes 53 polypropylene pegs, each 1/2" diameter x 4-1/2" long and ribbon sealing putty for wall mounting	1,873.61	174.74

12 56 53 00-0327 Plastic Laminate Laboratory Furniture *(12 56 53)*

12 56 53 00-0328 Plastic Laminate Laboratory Cabinets *(12 56 53 00-0327)*

12 56 53 00-0329 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet *(12 56 53 00-0328)*

12 56 53 00-0330	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	879.67	85.61
12 56 53 00-0331	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	908.20	88.43
12 56 53 00-0332	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	936.73	91.15
12 56 53 00-0333	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	965.24	93.97
12 56 53 00-0334	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,072.27	104.38
12 56 53 00-0335	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,143.59	111.32
12 56 53 00-0336	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,195.90	116.42
12 56 53 00-0337	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,260.11	122.72
12 56 53 00-0338	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,069.90	104.16
12 56 53 00-0339	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,107.93	107.85
12 56 53 00-0340	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,131.71	110.13
12 56 53 00-0341	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,162.59	113.17
12 56 53 00-0342	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,495.51	145.61
12 56 53 00-0343	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,587.96	154.50
12 56 53 00-0344	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,640.48	159.71
12 56 53 00-0345	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,704.88	166.01
12 56 53 00-0346	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,571.39	152.88
12 56 53 00-0347	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,626.42	158.41
12 56 53 00-0348	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,669.04	162.54
12 56 53 00-0349	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,726.16	168.07
12 56 53 00-0350	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,597.71	155.48
12 56 53 00-0351	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,661.91	161.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0352	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,709.45	166.44
12 56 53 00-0353	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,764.15	171.76
12 56 53 00-0354	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,284.21	104.16
12 56 53 00-0355	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,331.04	107.96
12 56 53 00-0356	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,359.49	110.13
12 56 53 00-0357	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,396.50	113.38
12 56 53 00-0358	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,023.00	196.94
12 56 53 00-0359	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,173.09	211.58
12 56 53 00-0360	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,227.19	217.01
12 56 53 00-0361	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,334.54	227.31
12 56 53 00-0362	EA	15" Wide Cabinet, 1 Drawer Over Cupboard	1,183.99	115.23
12 56 53 00-0363	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets	1,226.79	119.46
12 56 53 00-0364	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,252.95	121.95
12 56 53 00-0365	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,288.62	125.43
12 56 53 00-0366	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,911.52	186.08
12 56 53 00-0367	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,999.50	194.65
12 56 53 00-0368	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,056.54	200.19
12 56 53 00-0369	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,130.28	207.35
12 56 53 00-0370	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet	2,496.49	243.04
12 56 53 00-0371	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet	2,767.38	269.41
12 56 53 00-0372	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	974.78	94.94
12 56 53 00-0373	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,005.69	97.87
12 56 53 00-0374	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,024.70	99.72
12 56 53 00-0375	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,048.47	102.10
12 56 53 00-0376	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,343.29	130.75
12 56 53 00-0377	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,412.23	137.47
12 56 53 00-0378	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,452.66	141.38
12 56 53 00-0379	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,495.45	145.61
12 56 53 00-0380		**30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet** *(12 56 53 00-0328)*		
12 56 53 00-0381	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,046.11	101.88
		For 36" Height Cabinet, Add	*155.85*	
12 56 53 00-0382	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,086.53	105.79
		For 36" Height Cabinet, Add	*161.87*	
12 56 53 00-0383	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,115.05	108.50
		For 36" Height Cabinet, Add	*166.12*	
12 56 53 00-0384	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,017.57	99.06
		For 36" Height Cabinet, Add	*151.60*	
12 56 53 00-0385	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,169.75	113.93
		For 36" Height Cabinet, Add	*174.27*	
12 56 53 00-0386	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,267.23	123.36
		For 36" Height Cabinet, Add	*188.79*	
12 56 53 00-0387	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,324.28	128.90
		For 36" Height Cabinet, Add	*197.29*	
12 56 53 00-0388	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,402.76	136.61
		For 36" Height Cabinet, Add	*208.98*	
12 56 53 00-0389	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,148.35	111.76
		For 36" Height Cabinet, Add	*171.08*	
12 56 53 00-0390	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,200.65	116.86
		For 36" Height Cabinet, Add	*178.87*	
12 56 53 00-0391	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,549.45	1,224.12
		For 36" Height Cabinet, Add	*18.74*	
12 56 53 00-0392	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,291.00	125.65
		For 36" Height Cabinet, Add	*192.34*	
12 56 53 00-0393	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,688.07	164.38
		For 36" Height Cabinet, Add	*251.49*	
12 56 53 00-0394	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,818.82	177.07
		For 36" Height Cabinet, Add	*270.97*	
12 56 53 00-0395	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,902.02	185.10
		For 36" Height Cabinet, Add	*283.37*	
12 56 53 00-0396	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,001.85	194.87
		For 36" Height Cabinet, Add	*298.24*	
12 56 53 00-0397	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,286.24	125.21
		For 36" Height Cabinet, Add	*191.63*	
12 56 53 00-0398	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,336.17	130.09
		For 36" Height Cabinet, Add	*199.07*	
12 56 53 00-0399	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,374.20	133.79
		For 36" Height Cabinet, Add	*204.73*	
12 56 53 00-0400	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,426.51	138.88
		For 36" Height Cabinet, Add	*212.52*	
12 56 53 00-0401	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,966.20	191.40
		For 36" Height Cabinet, Add	*292.93*	
12 56 53 00-0402	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,092.24	203.66
		For 36" Height Cabinet, Add	*311.70*	
12 56 53 00-0403	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,149.24	209.19
		For 36" Height Cabinet, Add	*320.20*	
12 56 53 00-0404	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,280.03	221.99
		For 36" Height Cabinet, Add	*339.69*	
12 56 53 00-0405	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,759.41	171.32
		For 36" Height Cabinet, Add	*262.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0406	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,899.40	184.78
		For 36" Height Cabinet, Add	*283.01*	
12 56 53 00-0407	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,027.91	197.37
		For 36" Height Cabinet, Add	*302.14*	
12 56 53 00-0408	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,170.57	211.47
		For 36" Height Cabinet, Add	*323.39*	
12 56 53 00-0409	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,125.74	207.03
		For 36" Height Cabinet, Add	*316.66*	
12 56 53 00-0410	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,258.83	219.94
		For 36" Height Cabinet, Add	*336.50*	
12 56 53 00-0411	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,329.94	226.77
		For 36" Height Cabinet, Add	*347.12*	
12 56 53 00-0412	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,458.30	239.25
		For 36" Height Cabinet, Add	*366.25*	

12 56 53 00-0413 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0328)*

12 56 53 00-0414	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,203.04	117.07
		For 36" Height Cabinet, Add	*179.23*	
12 56 53 00-0415	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,267.23	123.36
		For 36" Height Cabinet, Add	*188.79*	
12 56 53 00-0416	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,305.22	127.06
		For 36" Height Cabinet, Add	*194.46*	
12 56 53 00-0417	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,359.94	132.38
		For 36" Height Cabinet, Add	*202.61*	
12 56 53 00-0418	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,785.56	173.82
		For 36" Height Cabinet, Add	*266.01*	
12 56 53 00-0419	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,937.70	188.69
		For 36" Height Cabinet, Add	*288.68*	
12 56 53 00-0420	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,023.28	196.94
		For 36" Height Cabinet, Add	*301.43*	
12 56 53 00-0421	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,137.36	208.00
		For 36" Height Cabinet, Add	*318.43*	
12 56 53 00-0422	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,345.67	130.96
		For 36" Height Cabinet, Add	*200.48*	
12 56 53 00-0423	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,386.11	134.98
		For 36" Height Cabinet, Add	*206.50*	
12 56 53 00-0424	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,431.25	139.32
		For 36" Height Cabinet, Add	*213.23*	
12 56 53 00-0425	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,504.96	146.48
		For 36" Height Cabinet, Add	*224.21*	
12 56 53 00-0426	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,051.82	199.76
		For 36" Height Cabinet, Add	*305.68*	
12 56 53 00-0427	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,213.50	215.49
		For 36" Height Cabinet, Add	*329.77*	
12 56 53 00-0428	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,282.37	222.10
		For 36" Height Cabinet, Add	*340.04*	
12 56 53 00-0429	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,429.82	236.54
		For 36" Height Cabinet, Add	*362.00*	
12 56 53 00-0430	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,842.64	179.35
		For 36" Height Cabinet, Add	*274.51*	
12 56 53 00-0431	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,037.30	198.23
		For 36" Height Cabinet, Add	*303.56*	
12 56 53 00-0432	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,139.65	208.22
		For 36" Height Cabinet, Add	*318.79*	
12 56 53 00-0433	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,287.30	222.76
		For 36" Height Cabinet, Add	*340.75*	
12 56 53 00-0434	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,220.90	216.35
		For 36" Height Cabinet, Add	*330.83*	
12 56 53 00-0435	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,361.07	229.92
		For 36" Height Cabinet, Add	*351.73*	
12 56 53 00-0436	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,455.98	239.03
		For 36" Height Cabinet, Add	*365.90*	
12 56 53 00-0437	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,589.05	252.06
		For 36" Height Cabinet, Add	*385.73*	

12 56 53 00-0438 Laboratory Furniture Accessories *(12 56 53)*

12 56 53 00-0439 Laboratory Base Cabinet Accessories *(12 56 53 00-0438)*

12 56 53 00-0440 Cantilever Table Frames On Wall Rail System *(12 56 53 00-0439)*

12 56 53 00-0441	EA	29" x 48" Cantilever Table Frame On Wall Rail System Note: Model #CEX80900 as manufactured by Fisher Hamilton or equal.	1,516.90	81.38

12 56 53 00-0442 Base Cabinet Trim *(12 56 53 00-0439)*

12 56 53 00-0443	LF	4" High Cabinet Toe Board Trim	12.38	

12 56 53 00-0444 Laboratory Pegboards *(12 56 53 00-0438)*

12 56 53 00-0445 Stainless Steel Laboratory Pegboards *(12 56 53 00-0444)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0446	EA	24" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020004)	1,622.03	67.81
12 56 53 00-0447	EA	30" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020005)	1,823.98	67.81
12 56 53 00-0448	EA	24" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020006)	2,320.17	67.81
12 56 53 00-0449	EA	30" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Trough And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020007)	2,522.13	67.81
12 56 53 00-0450	EA	24" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020008)	1,236.59	67.81
12 56 53 00-0451	EA	30" Long x 30" High, 3/4" Thick, Wall Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020009)	1,385.34	67.81
12 56 53 00-0452	EA	24" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (32) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020010)	1,937.99	67.81
12 56 53 00-0453	EA	30" Long x 30" High, 3/4" Thick, Bench/Exposed Mount, 304 Stainless Steel Laboratory Pegboard With Drip Deflector And (50) 1/2" x 6" Polypropylene Pegs (Kewaunee X-020011)	2,080.22	67.81
12 56 53 00-0454		Black Kemresin Laboratory Pegboards *(12 56 53 00-0444)*		
12 56 53 00-0455	EA	20" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With (32) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020014)	782.74	67.81
12 56 53 00-0456	EA	32" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With (53) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020015)	1,195.33	67.81
12 56 53 00-0457	EA	20" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With Drip Trough And (32) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020016)	926.06	67.81
12 56 53 00-0458	EA	32" Long x 29" High, 1" Thick, Wall Mount, Black Kemresin Laboratory Pegboard With Drip Trough And (53) 1/2" x 5" Polypropylene Pegs (Kewaunee X-020017)	1,405.97	67.81
12 56 53 00-0459		Television Mounts *(12 56 53 00-0438)*		
12 56 53 00-0460	EA	Tilt Television Wall Mount For 42" To 90" TVs (Sanus BLT2-B1)	306.54	24.96

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	305.58	26.74
		For Tackable Acoustical Barrier Panel, Add	*54.92*	
		For Acoustical Panel, Add	*59.70*	
		For Enameled Surface, Deduct	*-23.88*	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	339.62	29.75
		For Tackable Acoustical Barrier Panel, Add	*61.04*	
		For Acoustical Panel, Add	*66.35*	
		For Enameled Surface, Deduct	*-26.54*	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	363.15	31.69
		For Tackable Acoustical Barrier Panel, Add	*65.27*	
		For Acoustical Panel, Add	*70.94*	
		For Enameled Surface, Deduct	*-28.38*	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	406.91	35.59
		For Tackable Acoustical Barrier Panel, Add	*73.14*	
		For Acoustical Panel, Add	*79.50*	
		For Enameled Surface, Deduct	*-31.80*	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	310.44	27.13
		For Tackable Acoustical Barrier Panel, Add	*55.80*	
		For Acoustical Panel, Add	*60.65*	
		For Enameled Surface, Deduct	*-24.26*	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	350.95	30.62
		For Tackable Acoustical Barrier Panel, Add	*63.08*	
		For Acoustical Panel, Add	*68.57*	
		For Enameled Surface, Deduct	*-27.43*	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	393.11	34.41
		For Tackable Acoustical Barrier Panel, Add	*70.66*	
		For Acoustical Panel, Add	*76.80*	
		For Enameled Surface, Deduct	*-30.72*	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	462.02	40.34
		For Tackable Acoustical Barrier Panel, Add	*83.04*	
		For Acoustical Panel, Add	*90.26*	
		For Enameled Surface, Deduct	*-36.11*	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	299.09	26.15
		For Tackable Acoustical Barrier Panel, Add	*53.76*	
		For Acoustical Panel, Add	*58.43*	
		For Enameled Surface, Deduct	*-23.37*	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	367.99	32.17
		For Tackable Acoustical Barrier Panel, Add	*66.14*	
		For Acoustical Panel, Add	*71.89*	
		For Enameled Surface, Deduct	*-28.76*	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	460.42	40.25
		For Tackable Acoustical Barrier Panel, Add	*82.75*	
		For Acoustical Panel, Add	*89.95*	
		For Enameled Surface, Deduct	*-35.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	551.17	48.13
		For Tackable Acoustical Barrier Panel, Add	*99.07*	
		For Acoustical Panel, Add	*107.68*	
		For Enameled Surface, Deduct	*-43.07*	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	16.69	1.45
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	16.69	1.45
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	17.80	1.55
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	76.76	6.71
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	89.00	7.78
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	102.35	8.94
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	119.04	10.40
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	137.96	12.06
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	160.20	14.00
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	150.20	13.12
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	175.78	15.36
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	211.39	18.47
12 59 13 00-0026	EA	34" Panel End Cap Hardware	25.59	2.24
12 59 13 00-0027	EA	42" Panel End Cap Hardware	28.92	2.53
12 59 13 00-0028	EA	62" Panel End Cap Hardware	31.15	2.72
12 59 13 00-0029	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	28.23	2.53
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	14.52	1.26
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	15.32	1.36
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	17.73	1.55
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	14.52	1.26
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	29.84	2.63
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	33.88	2.92
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	34.68	3.01
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	38.72	3.40
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	43.55	3.79
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	234.25	20.42
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	288.56	25.18
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	272.35	23.82
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	340.45	29.75
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	343.67	30.04
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	432.86	37.91
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	417.44	36.46
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	524.40	45.79
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	931.56	81.46
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	1,018.01	89.05
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	111.86	9.82
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	127.24	11.09
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	142.66	12.44
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	177.51	15.55
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	213.17	18.66
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	372.87	32.57
12 59 13 00-0055	EA	Transaction Surface Support	29.54	2.58
12 59 13 00-0056	EA	Plastic Pencil Drawer	32.28	2.53
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	108.90	9.53
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	118.56	10.30
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	126.64	11.09
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	187.92	16.43
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	219.40	19.25
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	251.66	21.97
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	648.02	56.33
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	684.44	59.50
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	722.18	62.78
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	789.86	68.66
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	293.63	25.66
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	45.96	4.08
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	370.94	32.46
12 59 13 00-0070	EA	File Drawer Organizer	119.39	10.40
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	25.81	2.24
12 59 13 00-0072	EA	Utility Task Light	129.05	11.28

12 59 13 00-0073 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	33.41	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	37.13	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	39.70	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	44.48	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	33.94	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	38.36	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	42.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	50.51	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	32.70	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	40.23	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	50.33	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	60.27	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.83	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.83	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.95	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	8.40	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.73	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	11.19	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	13.01	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	15.08	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	17.52	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	16.42	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	19.22	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	23.11	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	2.80	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	3.16	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	3.40	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	3.09	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.59	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.68	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.94	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.59	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	3.26	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.70	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.79	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	4.23	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	4.77	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	25.61	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	31.54	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	29.78	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	37.22	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	37.57	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	47.32	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	45.64	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	57.34	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	88.55	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	111.27	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	12.23	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	13.91	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	15.60	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	19.40	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	23.31	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	40.76	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	3.22	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	3.18	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.91	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.96	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	13.84	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	20.55	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	23.99	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	27.51	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	70.42	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	74.37	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	78.47	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	85.84	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	32.10	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	40.56	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	14.11	

12 59 13 00-0142 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	35.63	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	39.59	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	42.33	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	47.43	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	36.19	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	40.91	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	45.82	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	53.85	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	34.86	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	42.90	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	53.66	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	64.25	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.95	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.95	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	2.08	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.95	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	10.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.93	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	13.87	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	16.08	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	18.67	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	17.51	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	20.49	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	24.64	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.98	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	3.37	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	3.63	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	3.29	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.70	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.79	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	2.07	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.70	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	3.48	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	3.95	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	4.04	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	4.51	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	5.08	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	27.31	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	33.63	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	31.74	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	39.68	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	40.06	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	50.45	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	48.66	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	61.13	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table	108.59	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table	118.67	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	13.04	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	14.83	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	16.63	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	20.69	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	24.85	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface	43.46	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support	3.43	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	12.69	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	13.82	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	14.76	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	21.90	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	25.57	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	29.33	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	75.12	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	79.34	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	83.71	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	91.57	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	43.24	

12 59 16 Free-Standing Component System Furniture *(12 59)*

12 59 16 00-0001 Furniture, Office Systems *(12 59 16)*

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide	807.15	
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide	1,017.86	
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide	1,142.65	
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide	1,222.89	
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep	1,072.47	
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep	901.53	
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep	1,029.71	
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep	1,088.04	
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm	597.28	
12 59 16 00-0011	EA	End Support Leg	414.20	
12 59 16 00-0012	EA	Modesty Panel, 48" Wide	183.35	
12 59 16 00-0013	EA	Modesty Panel, Return	199.64	
12 59 16 00-0014	EA	Pencil/Utility Drawer	320.89	
12 59 16 00-0015	EA	Privacy Screen, 48" Wide x 17-20" High	533.80	
12 59 16 00-0016	EA	Privacy Screen, 72" Wide x 17-20" High	743.78	
12 59 16 00-0017	EA	Printer Stand, 30" Deep x 36" Wide	1,126.86	
12 59 16 00-0018	EA	Printer Stand, Universal	1,503.78	
12 59 16 00-0019	EA	Paper Basket	133.45	
12 59 16 00-0020	EA	Storage Unit With Doors, 60" Wide	1,760.93	
12 59 16 00-0021	EA	Storage Unit With Doors, 72" Wide	2,104.39	
12 59 16 00-0022	EA	Table, Peninsula, 30" x 72"	1,180.37	
12 59 16 00-0023	EA	Return Table, 24" x 48"	883.64	
12 59 16 00-0024	EA	Round Conference Return, 42" Diameter	998.16	
12 59 16 00-0025	EA	Work Surface, 24" Deep x 48" Wide	615.65	
12 59 16 00-0026	EA	Work Surface, 30" Deep x 30" Wide	582.63	
12 59 16 00-0027	EA	Work Surface, 30" Deep x 60" Wide	812.99	
12 59 16 00-0028	EA	Work Surface, 30" Deep x 72" Wide	852.06	
12 59 16 00-0029	EA	Corner Bridge, 30" x 42"	906.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0030	EA	Peninsula, 30" x 60"	1,276.19	
12 59 16 00-0031	EA	Connector Plate	33.32	
12 59 16 00-0032		**Steelcase Systems Furniture** *(12 59 16)*		
12 59 16 00-0033	EA	Standard Workstation, Type 1, Components Only (Steelcase TYP 1 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	7,920.76	
12 59 16 00-0034	EA	Standard Workstation, Type 2, Components Only (Steelcase TYP 2 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	6,674.73	
12 59 16 00-0035	EA	Standard Workstation, Type 3, Components Only (Steelcase TYP 3 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	6,253.92	
12 59 16 00-0036	EA	Standard Workstation, Type 4, Components Only (Steelcase TYP 4 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	4,943.26	
12 59 16 00-0037	EA	Private Office, Type 1, Components Only (Steelcase PO-1 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	27,115.90	
12 59 16 00-0038	EA	Private Office, Type 2, Components Only (Steelcase PO-2 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	19,579.77	
12 59 16 00-0039	EA	Fabric/Steel Panel, 24" (Steelcase PFS-24) Note: Task to be used in conjunction with standard workstation types.	538.62	
12 59 16 00-0040	EA	Fabric/Steel Panel, 30" (Steelcase PFS-30) Note: Task to be used in conjunction with standard workstation types.	577.15	
12 59 16 00-0041	EA	Fabric/Steel Panel, 36" (Steelcase PFS-36) Note: Task to be used in conjunction with standard workstation types.	612.42	
12 59 16 00-0042	EA	Fabric/Steel Panel, 42" (Steelcase PFS-42) Note: Task to be used in conjunction with standard workstation types.	653.52	
12 59 16 00-0043	EA	Fabric/Steel Panel, 48" (Steelcase PFS-48) Note: Task to be used in conjunction with standard workstation types.	693.95	
12 59 16 00-0044	EA	Fabric/Steel Panel, 60" (Steelcase PFS-60) Note: Task to be used in conjunction with standard workstation types.	800.53	
12 59 16 00-0045	EA	Fabric/Steel Panel, 72" (Steelcase PFS-72) Note: Task to be used in conjunction with standard workstation types.	910.94	
12 59 16 00-0046	EA	Fabric/Fabric Panel, 24" (Steelcase PFF-24) Note: Task to be used in conjunction with standard workstation types.	530.92	
12 59 16 00-0047	EA	Fabric/Fabric Panel, 30" (Steelcase PFF-30) Note: Task to be used in conjunction with standard workstation types.	567.50	
12 59 16 00-0048	EA	Fabric/Fabric Panel, 36" (Steelcase PFF-36) Note: Task to be used in conjunction with standard workstation types.	602.80	
12 59 16 00-0049	EA	Fabric/Fabric Panel, 42" (Steelcase PFF-42) Note: Task to be used in conjunction with standard workstation types.	644.53	
12 59 16 00-0050	EA	Fabric/Fabric Panel, 48" (Steelcase PFF-48) Note: Task to be used in conjunction with standard workstation types.	685.59	
12 59 16 00-0051	EA	Fabric/Fabric Panel, 60" (Steelcase PFF-60) Note: Task to be used in conjunction with standard workstation types.	790.91	
12 59 16 00-0052	EA	Fabric/Fabric Panel, 72" (Steelcase PFF-72) Note: Task to be used in conjunction with standard workstation types.	903.23	
12 59 16 00-0053	EA	Touchdown Host Desk (Steelcase TD)	2,436.05	
12 59 16 00-0054	EA	Power Kit, 24" - 48" (Steelcase PK-24, 30, 36, 42 or 48) Note: Task to be used in conjunction with standard workstation types.	115.56	
12 59 16 00-0055	EA	Power Kit, 60" - 72" (Steelcase PK-60 or 72) Note: Task to be used in conjunction with standard workstation types.	175.26	
12 59 16 00-0056	EA	Receptacle (Steelcase RECPT) Note: Task to be used in conjunction with standard workstation types.	23.12	
12 59 16 00-0057	EA	Base Power, 6' (Steelcase BPI-6) Note: Task to be used in conjunction with standard workstation types.	145.09	
12 59 16 00-0058	EA	Base Power, 12' (Steelcase BPI-12) Note: Task to be used in conjunction with standard workstation types.	155.35	
12 59 16 00-0059	EA	End Trim, 54" (Steelcase E54) Note: Task to be used in conjunction with standard workstation types.	166.26	
12 59 16 00-0060	EA	In Line Trim, 54" (Steelcase I54) Note: Task to be used in conjunction with standard workstation types.	114.27	
12 59 16 00-0061	EA	L Junction, 54" (Steelcase L54) Note: Task to be used in conjunction with standard workstation types.	286.29	
12 59 16 00-0062	EA	T Junction (Steelcase T54) Note: Task to be used in conjunction with standard workstation types.	286.36	
12 59 16 00-0063	EA	X Junction (Steelcase X54) Note: Task to be used in conjunction with standard workstation types.	272.19	
12 59 16 00-0064	EA	Junction Cap Aligner (Steelcase JC) Note: Task to be used in conjunction with standard workstation types.	44.94	
12 59 16 00-0065	EA	Junction Block, 90 Degree Corner (3) (Steelcase J90) Note: Task to be used in conjunction with standard workstation types.	19.25	
12 59 16 00-0066	EA	Light Seal, 54" (Steelcase LS54) Note: Task to be used in conjunction with standard workstation types.	12.83	
12 59 16 00-0067	EA	Think Chair, Arms and Casters - Task Chair (Steelcase 46543100)	944.84	
12 59 16 00-0068	EA	Think Chair, No Arms, Casters - Conference Chair (Steelcase 46543000)	776.89	
12 59 16 00-0069	EA	Move Chair, No Arms, No Casters (Glides) (Steelcase 490410P)	181.99	
12 59 16 00-0070	EA	Move Chair, Arms, No Casters (Steelcase 490410CP)	221.30	
12 59 16 00-0071	EA	Move Chair, No Arms, Casters (Steelcase 490410C)	312.74	
12 59 16 00-0072	EA	Training Table, 60" x 20" (Akira AK6020RTC)	1,066.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0073	EA	Conference Table, 30" x 59.75" (Steelcase BFS3060)	613.08	
12 59 16 00-0074	EA	Conference Table, 30" x 47.75" (Steelcase BFS3048)	578.41	
12 59 16 00-0075	EA	Round Conference Table, 36" Diameter With Base (Steelcase BFR36)	441.66	
12 59 16 00-0076	EA	Round Conference Table, 42" Diameter With Base (Steelcase BFR42)	522.56	
12 59 16 00-0077	EA	Round Conference Table, 48" Diameter With Base (Steelcase BFR48)	548.88	
12 59 16 00-0078	EA	Rectangle Conference Table, 36" x 72" (Steelcase BFRR3672)	751.11	
12 59 16 00-0079	EA	Rectangle Conference Table, 42" x 84" (Steelcase BFRR4284)	1,027.11	
12 59 16 00-0080	EA	Task Light (Steelcase DSLEDF)	274.35	
12 59 16 00-0081	EA	Markerboard, 48" x 48" (Claridge S14x4LCS)	425.18	
12 59 16 00-0082	EA	Lateral File, 3 Drawer - 36" W (Steelcase RLF18363P)	1,005.74	
12 59 16 00-0083	EA	Tower, Open Side Shelf (Steelcase TS2TWS54RC)	1,447.28	
12 59 16 00-0084	EA	Tower, Closed Side (Steelcase TS2TW66LC)	1,272.74	
12 59 16 00-0085	EA	Pedestal File - Mobile (Steelcase RPM2421CP)	815.29	
12 59 16 00-0086	EA	Wardrobe, Fixed Shelf, Coat Rod (Steelcase RWC24306DP)	1,052.42	
12 59 16 00-0087		Herman Miller Systems Furniture *(12 59 16)*		
12 59 16 00-0088		Herman Miller Action Office Series 2 Systems Furniture *(12 59 16 00-0087)*		
12 59 16 00-0089	EA	32H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	399.93	26.74
		For Owner Furnished Material, Deduct	*-333.14*	
		For Category 2 Fabric Both Sides, Add	*10.64*	
		For Non-powered Panel, Deduct	*-106.39*	
12 59 16 00-0090	EA	32H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	424.52	28.00
		For Owner Furnished Material, Deduct	*-354.42*	
		For Category 2 Fabric Both Sides, Add	*10.64*	
		For Non-powered Panel, Deduct	*-106.39*	
12 59 16 00-0091	EA	32H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	459.26	29.46
		For Owner Furnished Material, Deduct	*-385.67*	
		For Category 2 Fabric Both Sides, Add	*10.64*	
		For Non-powered Panel, Deduct	*-106.39*	
12 59 16 00-0092	EA	32H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	493.55	30.91
		For Owner Furnished Material, Deduct	*-416.26*	
		For Category 2 Fabric Both Sides, Add	*10.64*	
		For Non-powered Panel, Deduct	*-106.39*	
12 59 16 00-0093	EA	39H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	411.88	28.00
		For Owner Furnished Material, Deduct	*-341.78*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0094	EA	39H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	437.98	29.46
		For Owner Furnished Material, Deduct	*-364.39*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0095	EA	39H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	473.60	30.91
		For Owner Furnished Material, Deduct	*-396.31*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0096	EA	39H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	510.06	32.46
		For Owner Furnished Material, Deduct	*-428.89*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0097	EA	47H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	429.34	29.46
		For Owner Furnished Material, Deduct	*-355.75*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0098	EA	47H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	462.30	30.91
		For Owner Furnished Material, Deduct	*-385.01*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0099	EA	47H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	506.74	32.46
		For Owner Furnished Material, Deduct	*-425.57*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0100	EA	47H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	555.38	34.12
		For Owner Furnished Material, Deduct	*-470.12*	
		For Category 2 Fabric Both Sides, Add	*14.63*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0101	EA	62H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	419.88	26.74
		For Owner Furnished Material, Deduct	*-353.09*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0102	EA	62H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	473.60	30.91
		For Owner Furnished Material, Deduct	*-396.31*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0103	EA	62H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	572.00	34.12
		For Owner Furnished Material, Deduct	*-486.74*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0104	EA	62H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	628.81	35.78
		For Owner Furnished Material, Deduct	*-539.27*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0105	EA	67H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	429.17	28.00
		For Owner Furnished Material, Deduct	*-359.07*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0106	EA	67H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	483.46	32.46
		For Owner Furnished Material, Deduct	*-402.29*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0107	EA	67H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	580.27	35.78
		For Owner Furnished Material, Deduct	*-490.73*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0108	EA	67H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	637.26	37.62
		For Owner Furnished Material, Deduct	*-543.26*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0109	EA	85H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	468.57	29.46
		For Owner Furnished Material, Deduct	*-394.98*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0110	EA	85H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	542.08	34.12
		For Owner Furnished Material, Deduct	*-456.82*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0111	EA	85H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	649.90	37.62
		For Owner Furnished Material, Deduct	*-555.90*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0112	EA	85H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	712.42	39.47
		For Owner Furnished Material, Deduct	*-613.75*	
		For Category 2 Fabric Both Sides, Add	*17.29*	
		For Non-powered Panel, Deduct	*-106.39*	
		For Tackable Acoustical-Barrier Panel, Add	*66.83*	
12 59 16 00-0113	EA	32" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	79.03	6.61
		For Owner Furnished Material, Deduct	*-62.51*	
12 59 16 00-0114	EA	39" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	82.49	7.29
		For Owner Furnished Material, Deduct	*-64.50*	
12 59 16 00-0115	EA	47" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	91.25	7.78
		For Owner Furnished Material, Deduct	*-71.81*	
12 59 16 00-0116	EA	62" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	103.48	8.94
		For Owner Furnished Material, Deduct	*-81.12*	
12 59 16 00-0117	EA	67" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	106.27	9.53
		For Owner Furnished Material, Deduct	*-82.45*	
12 59 16 00-0118	EA	85" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	119.03	10.11
		For Owner Furnished Material, Deduct	*-93.76*	
12 59 16 00-0119	EA	32" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	139.05	10.40
		For Owner Furnished Material, Deduct	*-113.04*	
12 59 16 00-0120	EA	39" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	145.79	11.28
		For Owner Furnished Material, Deduct	*-117.70*	
12 59 16 00-0121	EA	47" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	155.82	12.06
		For Owner Furnished Material, Deduct	*-125.68*	
12 59 16 00-0122	EA	62" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	179.95	14.00
		For Owner Furnished Material, Deduct	*-144.96*	
12 59 16 00-0123	EA	67" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	184.30	15.17
		For Owner Furnished Material, Deduct	*-146.29*	
12 59 16 00-0124	EA	85" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	208.44	17.11
		For Owner Furnished Material, Deduct	*-165.57*	
12 59 16 00-0125	EA	32" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	174.49	13.12
		For Owner Furnished Material, Deduct	*-141.63*	
12 59 16 00-0126	EA	39" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	182.63	14.29
		For Owner Furnished Material, Deduct	*-146.95*	
12 59 16 00-0127	EA	47" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	195.99	15.36
		For Owner Furnished Material, Deduct	*-157.59*	
12 59 16 00-0128	EA	62" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	233.70	18.47
		For Owner Furnished Material, Deduct	*-187.52*	
12 59 16 00-0129	EA	67" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	237.85	19.63
		For Owner Furnished Material, Deduct	*-188.85*	
12 59 16 00-0130	EA	85" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	267.56	22.74
		For Owner Furnished Material, Deduct	*-210.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0131	EA	32" Finished End, Hard Surface, Herman Miller AO Series 2	32.90	2.24
		For Owner Furnished Material, Deduct	*-27.26*	
12 59 16 00-0132	EA	39" Finished End, Hard Surface, Herman Miller AO Series 2	34.62	2.43
		For Owner Furnished Material, Deduct	*-28.59*	
12 59 16 00-0133	EA	47" Finished End, Hard Surface, Herman Miller AO Series 2	36.91	2.53
		For Owner Furnished Material, Deduct	*-30.59*	
12 59 16 00-0134	EA	62" Finished End, Hard Surface, Herman Miller AO Series 2	38.73	2.72
		For Owner Furnished Material, Deduct	*-31.92*	
12 59 16 00-0135	EA	67" Finished End, Hard Surface, Herman Miller AO Series 2	39.11	2.92
		For Owner Furnished Material, Deduct	*-31.92*	
12 59 16 00-0136	EA	85" Finished End, Hard Surface, Herman Miller AO Series 2	42.26	3.11
		For Owner Furnished Material, Deduct	*-34.58*	
12 59 16 00-0137	EA	Change Of Height Draw Rod, Herman Miller AO Series 2	19.47	2.53
		For Owner Furnished Material, Deduct	*-13.30*	
12 59 16 00-0138	EA	Cable/Energy Barrier (Connector), Herman Miller AO Series 2	46.39	1.26
		For Owner Furnished Material, Deduct	*-43.22*	
12 59 16 00-0139		**Accessories For Herman Miller Action Office Series Systems Furniture** *(12 59 16 00-0087)*		
12 59 16 00-0140	EA	27" Draw Rod, Herman Miller Action Office	15.27	1.32
		For Owner Furnished Material, Deduct	*-11.97*	
12 59 16 00-0141	EA	34" Draw Rod, Herman Miller Action Office	16.13	1.40
		For Owner Furnished Material, Deduct	*-12.63*	
12 59 16 00-0142	EA	42" Draw Rod, Herman Miller Action Office	16.32	1.47
		For Owner Furnished Material, Deduct	*-12.63*	
12 59 16 00-0143	EA	48" Draw Rod, Herman Miller Action Office	17.19	1.55
		For Owner Furnished Material, Deduct	*-13.30*	
12 59 16 00-0144	EA	57" Draw Rod, Herman Miller Action Office	17.38	1.64
		For Owner Furnished Material, Deduct	*-13.30*	
12 59 16 00-0145	EA	62" Draw Rod, Herman Miller Action Office	17.57	1.72
		For Owner Furnished Material, Deduct	*-13.30*	
12 59 16 00-0146	EA	80" Draw Rod, Herman Miller Action Office	19.10	1.79
		For Owner Furnished Material, Deduct	*-14.63*	
12 59 16 00-0147	EA	24" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office	190.84	20.42
		For Owner Furnished Material, Deduct	*-139.64*	
12 59 16 00-0148	EA	24" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office	257.01	23.82
		For Owner Furnished Material, Deduct	*-197.49*	
12 59 16 00-0149	EA	24" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office	328.45	30.04
		For Owner Furnished Material, Deduct	*-253.35*	
12 59 16 00-0150	EA	24" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office	401.77	36.46
		For Owner Furnished Material, Deduct	*-310.53*	
12 59 16 00-0151	EA	30" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office	273.85	25.18
		For Owner Furnished Material, Deduct	*-210.79*	
12 59 16 00-0152	EA	30" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office	325.10	29.75
		For Owner Furnished Material, Deduct	*-250.69*	
12 59 16 00-0153	EA	30" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office	417.11	37.91
		For Owner Furnished Material, Deduct	*-322.50*	
12 59 16 00-0154	EA	30" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office	508.91	45.79
		For Owner Furnished Material, Deduct	*-394.32*	
12 59 16 00-0155	EA	24" x 36" Corner Work Surface, Laminate, Herman Miller Action Office	354.35	32.46
		For Owner Furnished Material, Deduct	*-273.29*	
12 59 16 00-0156	EA	30" x 60" Round End Peninsula, Laminate, Herman Miller Action Office	647.79	70.77
		For Owner Furnished Material, Deduct	*-470.78*	
12 59 16 00-0157	EA	30" x 72" Round End Peninsula, Laminate, Herman Miller Action Office	694.06	77.29
		For Owner Furnished Material, Deduct	*-500.71*	
12 59 16 00-0158	EA	14" x 24" Transaction Surface, Laminate, Herman Miller Action Office	104.91	9.82
		For Owner Furnished Material, Deduct	*-80.46*	
12 59 16 00-0159	EA	14" x 36" Transaction Surface, Laminate, Herman Miller Action Office	120.90	11.09
		For Owner Furnished Material, Deduct	*-93.09*	
12 59 16 00-0160	EA	14" x 48" Transaction Surface, Laminate, Herman Miller Action Office	136.24	12.44
		For Owner Furnished Material, Deduct	*-105.06*	
12 59 16 00-0161	EA	14" x 60" Transaction Surface, Laminate, Herman Miller Action Office	170.46	15.55
		For Owner Furnished Material, Deduct	*-131.66*	
12 59 16 00-0162	EA	14" x 72" Transaction Surface, Laminate, Herman Miller Action Office	205.51	18.66
		For Owner Furnished Material, Deduct	*-158.92*	
12 59 16 00-0163	EA	Right Angle Corner Transaction Surface, Laminate, Herman Miller Action Office	194.54	32.57
		For Owner Furnished Material, Deduct	*-113.04*	
12 59 16 00-0164	EA	Pencil Drawer, Herman Miller Action Office	32.28	2.53
		For Owner Furnished Material, Deduct	*-25.93*	
12 59 16 00-0165	EA	12" x 24" Shelf, Herman Miller Action Office	116.89	9.53
		For Owner Furnished Material, Deduct	*-93.09*	
12 59 16 00-0166	EA	12" x 36" Shelf, Herman Miller Action Office	128.31	10.30
		For Owner Furnished Material, Deduct	*-102.40*	
12 59 16 00-0167	EA	12" x 48" Shelf, Herman Miller Action Office	137.40	11.09
		For Owner Furnished Material, Deduct	*-109.72*	
12 59 16 00-0168	EA	12" x 24" Flipper Door, Herman Miller Action Office	189.35	16.43
		For Owner Furnished Material, Deduct	*-148.28*	
12 59 16 00-0169	EA	12" x 36" Flipper Door, Herman Miller Action Office	223.50	19.25
		For Owner Furnished Material, Deduct	*-175.55*	
12 59 16 00-0170	EA	12" x 48" Flipper Door, Herman Miller Action Office	259.14	21.97
		For Owner Furnished Material, Deduct	*-204.14*	
12 59 16 00-0171	EA	24" Task Light, Herman Miller Action Office	198.43	11.28
		For Owner Furnished Material, Deduct	*-170.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0172	EA	36" Task Light, Herman Miller Action Office	209.73	11.28
		For Owner Furnished Material, Deduct	*-181.53*	
12 59 16 00-0173	EA	48" Task Light, Herman Miller Action Office	221.70	11.28
		For Owner Furnished Material, Deduct	*-193.50*	

12 59 16 00-0174 Disassemble And Store *(12 59 16 00-0087)*

12 59 16 00-0175	EA	Disassemble And Store 32H 24W Panel	33.44
12 59 16 00-0176	EA	Disassemble And Store 32H 30W Panel	35.09
12 59 16 00-0177	EA	Disassemble And Store 32H 36W Panel	36.85
12 59 16 00-0178	EA	Disassemble And Store 32H 48W Panel	38.70
12 59 16 00-0179	EA	Disassemble And Store 39H 24W Panel	35.09
12 59 16 00-0180	EA	Disassemble And Store 39H 30W Panel	36.85
12 59 16 00-0181	EA	Disassemble And Store 39H 36W Panel	38.70
12 59 16 00-0182	EA	Disassemble And Store 39H 48W Panel	40.63
12 59 16 00-0183	EA	Disassemble And Store 47H 24W Panel	36.85
12 59 16 00-0184	EA	Disassemble And Store 47H 30W Panel	38.70
12 59 16 00-0185	EA	Disassemble And Store 47H 36W Panel	40.63
12 59 16 00-0186	EA	Disassemble And Store 47H 48W Panel	42.68
12 59 16 00-0187	EA	Disassemble And Store 62H 12W Panel	33.44
12 59 16 00-0188	EA	Disassemble And Store 62H 24W Panel	38.70
12 59 16 00-0189	EA	Disassemble And Store 62H 36W Panel	42.68
12 59 16 00-0190	EA	Disassemble And Store 62H 48W Panel	44.81
12 59 16 00-0191	EA	Disassemble And Store 67H 12W Panel	35.09
12 59 16 00-0192	EA	Disassemble And Store 67H 24W Panel	40.63
12 59 16 00-0193	EA	Disassemble And Store 67H 36W Panel	44.81
12 59 16 00-0194	EA	Disassemble And Store 67H 48W Panel	47.05
12 59 16 00-0195	EA	Disassemble And Store 67H 12W Panel	36.85
12 59 16 00-0196	EA	Disassemble And Store 85H 24W Panel	42.68
12 59 16 00-0197	EA	Disassemble And Store 85H 36W Panel	47.05
12 59 16 00-0198	EA	Disassemble And Store 85H 48W Panel	49.39
12 59 16 00-0199	EA	Disassemble And Store 32" Two-Way 90 Connector	8.27
12 59 16 00-0200	EA	Disassemble And Store 39" Two-Way 90 Connector	9.04
12 59 16 00-0201	EA	Disassemble And Store 47" Two-Way 90 Connector	9.72
12 59 16 00-0202	EA	Disassemble And Store 62" Two-Way 90 Connector	11.18
12 59 16 00-0203	EA	Disassemble And Store 67" Two-Way 90 Connector	11.96
12 59 16 00-0204	EA	Disassemble And Store 85" Two-Way 90 Connector	12.64
12 59 16 00-0205	EA	Disassemble And Store 32" Three-Way 90 Connector	13.02
12 59 16 00-0206	EA	Disassemble And Store 39" Three-Way 90 Connector	14.10
12 59 16 00-0207	EA	Disassemble And Store 47" Three-Way 90 Connector	15.07
12 59 16 00-0208	EA	Disassemble And Store 62" Three-Way 90 Connector	17.50
12 59 16 00-0209	EA	Disassemble And Store 67" Three-Way 90 Connector	19.05
12 59 16 00-0210	EA	Disassemble And Store 85" Three-Way 90 Connector	21.49
12 59 16 00-0211	EA	Disassemble And Store 32" Four-Way 90 Connector	16.43
12 59 16 00-0212	EA	Disassemble And Store 39" Four-Way 90 Connector	17.89
12 59 16 00-0213	EA	Disassemble And Store 47" Four-Way 90 Connector	19.25
12 59 16 00-0214	EA	Disassemble And Store 62" Four-Way 90 Connector	23.13
12 59 16 00-0215	EA	Disassemble And Store 67" Four-Way 90 Connector	24.50
12 59 16 00-0216	EA	Disassemble And Store 85" Four-Way 90 Connector	28.39
12 59 16 00-0217	EA	Disassemble And Store 32" Finished End	2.82
12 59 16 00-0218	EA	Disassemble And Store 39" Finished End	3.01
12 59 16 00-0219	EA	Disassemble And Store 47" Finished End	3.21
12 59 16 00-0220	EA	Disassemble And Store 62" Finished End	3.40
12 59 16 00-0221	EA	Disassemble And Store 67" Finished End	3.60
12 59 16 00-0222	EA	Disassemble And Store 85" Finished End	3.89
12 59 16 00-0223	EA	Disassemble And Store Change Of Height Draw Rod	3.09
12 59 16 00-0224	EA	Disassemble And Store Cable/Energy Barrier (Connector)	1.59
12 59 16 00-0225	EA	Disassemble And Store 27" Draw Rod	1.66
12 59 16 00-0226	EA	Disassemble And Store 34" Draw Rod	1.83
12 59 16 00-0227	EA	Disassemble And Store 42" Draw Rod	1.85
12 59 16 00-0228	EA	Disassemble And Store 48" Draw Rod	1.95
12 59 16 00-0229	EA	Disassemble And Store 57" Draw Rod	2.04
12 59 16 00-0230	EA	Disassemble And Store 62" Draw Rod	2.14
12 59 16 00-0231	EA	Disassemble And Store 80" Draw Rod	2.24
12 59 16 00-0232	EA	Disassemble And Store 24" x 36" Hanging Work Surface	25.61
12 59 16 00-0233	EA	Disassemble And Store 24" x 48" Hanging Work Surface	29.78
12 59 16 00-0234	EA	Disassemble And Store 24" x 60" Hanging Work Surface	37.57
12 59 16 00-0235	EA	Disassemble And Store 24" x 72" Hanging Work Surface	45.64
12 59 16 00-0236	EA	Disassemble And Store 30" x 36" Hanging Work Surface	31.54
12 59 16 00-0237	EA	Disassemble And Store 30" x 48" Hanging Work Surface	37.22
12 59 16 00-0238	EA	Disassemble And Store 30" x 60" Hanging Work Surface	47.32
12 59 16 00-0239	EA	Disassemble And Store 30" x 72" Hanging Work Surface	57.34
12 59 16 00-0240	EA	Disassemble And Store 24" x 36" Corner Work Surface	40.56
12 59 16 00-0241	EA	Disassemble And Store 30" x 60" Round End Peninsula	88.55
12 59 16 00-0242	EA	Disassemble And Store 30" x 72" Round End Peninsula	96.74
12 59 16 00-0243	EA	Disassemble And Store 14" x 24" Transaction Surface	12.23
12 59 16 00-0244	EA	Disassemble And Store 14" x 36" Transaction Surface	13.91
12 59 16 00-0245	EA	Disassemble And Store 14" x 48" Transaction Surface	15.60
12 59 16 00-0246	EA	Disassemble And Store 14" x 60" Transaction Surface	19.40
12 59 16 00-0247	EA	Disassemble And Store 14" x 72" Transaction Surface	23.31
12 59 16 00-0248	EA	Disassemble And Store Right Angle Corner Transaction Surface	40.76

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0249	EA	Disassemble And Store Pencil Drawer	3.18	
12 59 16 00-0250	EA	Disassemble And Store 24" Shelf	11.91	
12 59 16 00-0251	EA	Disassemble And Store 36" Shelf	12.96	
12 59 16 00-0252	EA	Disassemble And Store 48" Shelf	13.84	
12 59 16 00-0253	EA	Disassemble And Store 24" Flipper Door	20.55	
12 59 16 00-0254	EA	Disassemble And Store 36" Flipper Door	23.99	
12 59 16 00-0255	EA	Disassemble And Store 48" Flipper Door	27.51	
12 59 16 00-0256	EA	Disassemble And Store Task Light, Herman Miller Action Office	14.11	
12 59 16 00-0257		Reconfigure *(12 59 16 00-0087)*		
12 59 16 00-0258	EA	Reconfigure 32H 24W Panel	43.41	
12 59 16 00-0259	EA	Reconfigure 32H 30W Panel	45.68	
12 59 16 00-0260	EA	Reconfigure 32H 36W Panel	48.15	
12 59 16 00-0261	EA	Reconfigure 32H 48W Panel	50.82	
12 59 16 00-0262	EA	Reconfigure 39H 24W Panel	45.43	
12 59 16 00-0263	EA	Reconfigure 39H 30W Panel	47.73	
12 59 16 00-0264	EA	Reconfigure 39H 36W Panel	50.42	
12 59 16 00-0265	EA	Reconfigure 39H 48W Panel	53.20	
12 59 16 00-0266	EA	Reconfigure 47H 24W Panel	47.56	
12 59 16 00-0267	EA	Reconfigure 47H 30W Panel	50.19	
12 59 16 00-0268	EA	Reconfigure 47H 36W Panel	53.13	
12 59 16 00-0269	EA	Reconfigure 47H 48W Panel	56.26	
12 59 16 00-0270	EA	Reconfigure 62H 12W Panel	43.81	
12 59 16 00-0271	EA	Reconfigure 62H 24W Panel	50.42	
12 59 16 00-0272	EA	Reconfigure 62H 36W Panel	56.59	
12 59 16 00-0273	EA	Reconfigure 62H 48W Panel	60.08	
12 59 16 00-0274	EA	Reconfigure 67H 12W Panel	45.77	
12 59 16 00-0275	EA	Reconfigure 67H 24W Panel	52.67	
12 59 16 00-0276	EA	Reconfigure 67H 36W Panel	59.10	
12 59 16 00-0277	EA	Reconfigure 67H 48W Panel	62.59	
12 59 16 00-0278	EA	Reconfigure 85H 12W Panel	48.34	
12 59 16 00-0279	EA	Reconfigure 85H 24W Panel	56.00	
12 59 16 00-0280	EA	Reconfigure 85H 36W Panel	62.84	
12 59 16 00-0281	EA	Reconfigure 85H 48W Panel	66.53	
12 59 16 00-0282	EA	Reconfigure 32" Two-Way 90 Connector	10.39	
12 59 16 00-0283	EA	Reconfigure 39" Two-Way 90 Connector	11.20	
12 59 16 00-0284	EA	Reconfigure 47" Two-Way 90 Connector	12.13	
12 59 16 00-0285	EA	Reconfigure 62" Two-Way 90 Connector	13.97	
12 59 16 00-0286	EA	Reconfigure 67" Two-Way 90 Connector	14.77	
12 59 16 00-0287	EA	Reconfigure 85" Two-Way 90 Connector	15.78	
12 59 16 00-0288	EA	Reconfigure 32" Three-Way 90 Connector	16.55	
12 59 16 00-0289	EA	Reconfigure 39" Three-Way 90 Connector	17.81	
12 59 16 00-0290	EA	Reconfigure 47" Three-Way 90 Connector	19.13	
12 59 16 00-0291	EA	Reconfigure 62" Three-Way 90 Connector	22.15	
12 59 16 00-0292	EA	Reconfigure 67" Three-Way 90 Connector	23.83	
12 59 16 00-0293	EA	Reconfigure 85" Three-Way 90 Connector	26.94	
12 59 16 00-0294	EA	Reconfigure 32" Four-Way 90 Connector	20.91	
12 59 16 00-0295	EA	Reconfigure 39" Four-Way 90 Connector	22.57	
12 59 16 00-0296	EA	Reconfigure 47" Four-Way 90 Connector	24.25	
12 59 16 00-0297	EA	Reconfigure 62" Four-Way 90 Connector	29.12	
12 59 16 00-0298	EA	Reconfigure 67" Four-Way 90 Connector	30.71	
12 59 16 00-0299	EA	Reconfigure 85" Four-Way 90 Connector	35.43	
12 59 16 00-0300	EA	Reconfigure 32" Finished End	3.66	
12 59 16 00-0301	EA	Reconfigure 39" Finished End	3.87	
12 59 16 00-0302	EA	Reconfigure 47" Finished End	4.11	
12 59 16 00-0303	EA	Reconfigure 62" Finished End	4.43	
12 59 16 00-0304	EA	Reconfigure 67" Finished End	4.62	
12 59 16 00-0305	EA	Reconfigure 85" Finished End	4.87	
12 59 16 00-0306	EA	Reconfigure Change Of Height Draw Rod	3.56	
12 59 16 00-0307	EA	Reconfigure Cable/Energy Barrier (Connector)	2.56	
12 59 16 00-0308	EA	Reconfigure 27" Draw Rod	2.06	
12 59 16 00-0309	EA	Reconfigure 34" Draw Rod	2.18	
12 59 16 00-0310	EA	Reconfigure 42" Draw Rod	2.29	
12 59 16 00-0311	EA	Reconfigure 48" Draw Rod	2.41	
12 59 16 00-0312	EA	Reconfigure 57" Draw Rod	2.52	
12 59 16 00-0313	EA	Reconfigure 62" Draw Rod	2.62	
12 59 16 00-0314	EA	Reconfigure 80" Draw Rod	2.75	
12 59 16 00-0315	EA	Reconfigure 24" x 36" Hanging Work Surface	30.10	
12 59 16 00-0316	EA	Reconfigure 24" x 48" Hanging Work Surface	35.69	
12 59 16 00-0317	EA	Reconfigure 24" x 60" Hanging Work Surface	45.13	
12 59 16 00-0318	EA	Reconfigure 24" x 72" Hanging Work Surface	54.87	
12 59 16 00-0319	EA	Reconfigure 30" x 36" Hanging Work Surface	37.85	
12 59 16 00-0320	EA	Reconfigure 30" x 48" Hanging Work Surface	44.69	
12 59 16 00-0321	EA	Reconfigure 30" x 60" Hanging Work Surface	56.90	
12 59 16 00-0322	EA	Reconfigure 30" x 72" Hanging Work Surface	69.02	
12 59 16 00-0323	EA	Reconfigure 24" x 36" Corner Work Surface	48.71	
12 59 16 00-0324	EA	Reconfigure 30" x 60" Round End Peninsula	103.81	
12 59 16 00-0325	EA	Reconfigure 30" x 72" Round End Peninsula	113.16	
12 59 16 00-0326	EA	Reconfigure 14" x 24" Transaction Surface	14.65	
12 59 16 00-0327	EA	Reconfigure 14" x 36" Transaction Surface	16.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0328	EA	Reconfigure 14" x 48" Transaction Surface	18.73	
12 59 16 00-0329	EA	Reconfigure 14" x 60" Transaction Surface	23.32	
12 59 16 00-0330	EA	Reconfigure 14" x 72" Transaction Surface	28.03	
12 59 16 00-0331	EA	Reconfigure Right Angle Corner Transaction Surface	45.72	
12 59 16 00-0332	EA	Reconfigure Pencil Drawer	3.91	
12 59 16 00-0333	EA	Reconfigure 24" Shelf	14.55	
12 59 16 00-0334	EA	Reconfigure 36" Shelf	15.87	
12 59 16 00-0335	EA	Reconfigure 48" Shelf	16.95	
12 59 16 00-0336	EA	Reconfigure 24" Flipper Door	24.87	
12 59 16 00-0337	EA	Reconfigure 36" Flipper Door	29.08	
12 59 16 00-0338	EA	Reconfigure 48" Flipper Door	33.41	
12 59 16 00-0339	EA	Reconfigure Task Light	18.44	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4)	607.71	47.17
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-75.77*	
		For >249 To 749, Deduct	*-90.93*	
		For >749, Deduct	*-101.03*	
		For Up To 9, Add	*823.41*	
		For >9 To 24, Add	*328.35*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4)	640.39	47.17
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-80.68*	
		For >249 To 749, Deduct	*-96.81*	
		For >749, Deduct	*-107.57*	
		For Up To 9, Add	*822.90*	
		For >9 To 24, Add	*328.08*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4)	788.69	47.17
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-102.92*	
		For >249 To 749, Deduct	*-123.51*	
		For >749, Deduct	*-137.23*	
		For Up To 9, Add	*823.37*	
		For >9 To 24, Add	*329.35*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)	821.81	47.17
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	*-107.89*	
		For >249 To 749, Deduct	*-129.47*	
		For >749, Deduct	*-143.85*	
		For Up To 9, Add	*819.96*	
		For >9 To 24, Add	*330.86*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)	530.01	47.17
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-64.12*	
		For >249 To 749, Deduct	*-76.94*	
		For >749, Deduct	*-85.49*	
		For Up To 9, Add	*825.00*	
		For >9 To 24, Add	*329.14*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	536.54	47.17
		For >100 To 249, Deduct	*-65.10*	
		For >249 To 749, Deduct	*-78.12*	
		For >749, Deduct	*-86.80*	
		For Up To 9, Add	*824.58*	
		For >9 To 24, Add	*329.83*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	564.61	47.17
		For >100 To 249, Deduct	*-69.31*	
		For >249 To 749, Deduct	*-83.17*	
		For >749, Deduct	*-92.41*	
		For Up To 9, Add	*822.47*	
		For >9 To 24, Add	*328.06*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30) Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.	398.72	47.17
		For >100 To 249, Deduct	*-44.43*	
		For >249 To 749, Deduct	*-53.31*	
		For >749, Deduct	*-59.23*	
		For Up To 9, Add	*811.51*	
		For >9 To 24, Add	*325.79*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30) Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.	448.10	47.17
		For >100 To 249, Deduct	*-51.83*	
		For >249 To 749, Deduct	*-62.20*	
		For >749, Deduct	*-69.11*	
		For Up To 9, Add	*812.04*	
		For >9 To 24, Add	*324.82*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4) Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	638.45	47.17
		For >100 To 249, Deduct	*-80.39*	
		For >249 To 749, Deduct	*-96.46*	
		For >749, Deduct	*-107.18*	
		For Up To 9, Add	*852.08*	
		For >9 To 24, Add	*342.98*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4) Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	664.96	47.17
		For >100 To 249, Deduct	*-84.36*	
		For >249 To 749, Deduct	*-101.23*	
		For >749, Deduct	*-112.48*	
		For Up To 9, Add	*815.49*	
		For >9 To 24, Add	*326.20*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*26.27*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*33.93*	

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	210.38	
		For >100 To 249, Deduct	*-30.02*	
		For >249 To 749, Deduct	*-36.02*	
		For >749, Deduct	*-40.03*	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	214.23	
		For >100 To 249, Deduct	*-30.60*	
		For >249 To 749, Deduct	*-36.72*	
		For >749, Deduct	*-40.80*	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	224.27	
		For >100 To 249, Deduct	*-32.10*	
		For >249 To 749, Deduct	*-38.52*	
		For >749, Deduct	*-42.80*	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	210.38	
		For >100 To 249, Deduct	*-30.02*	
		For >249 To 749, Deduct	*-36.02*	
		For >749, Deduct	*-40.03*	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	225.12	
		For >100 To 249, Deduct	*-32.23*	
		For >249 To 749, Deduct	*-38.68*	
		For >749, Deduct	*-42.97*	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	17.25	

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

12 62 23 00-0003	SEA	2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat	171.15	4.33
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	226.56	4.33
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	258.75	4.55
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher	270.08	4.77
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	357.51	4.88
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	409.28	5.12
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher	444.12	5.42
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 66 Telescoping Stands *(12 60)*

12 66 13 Telescoping Bleachers *(12 66)*

12 66 13 00-0001 Wall Mounted Telescoping Bleachers *(12 66 13)*

Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additonal optional accessories.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	241.53	21.16
		For Aluminum Seating And Walks, Add	*84.28*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	275.24	27.56
		For Aluminum Seating And Walks, Add	*97.49*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	312.20	28.43
		For Aluminum Seating And Walks, Add	*112.17*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	339.62	29.08
		For Aluminum Seating And Walks, Add	*122.55*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	248.51	21.16
		For Aluminum Seating And Walks, Add	*87.42*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	289.05	27.56
		For Aluminum Seating And Walks, Add	*103.71*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	330.91	28.43
		For Aluminum Seating And Walks, Add	*120.59*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	363.46	29.08
		For Aluminum Seating And Walks, Add	*133.28*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	255.54	21.16
		For Aluminum Seating And Walks, Add	*90.58*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	302.86	27.56
		For Aluminum Seating And Walks, Add	*109.92*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	349.82	28.43
		For Aluminum Seating And Walks, Add	*129.10*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	412.11	29.08
		For Aluminum Seating And Walks, Add	*143.95*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0014 Portable Telescoping Bleachers *(12 66 13)*

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing	269.01	21.16
		For Aluminum Seating And Walks, Add	*96.64*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	307.73	27.56
		For Aluminum Seating And Walks, Add	*112.11*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	349.59	28.43
		For Aluminum Seating And Walks, Add	*128.99*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	380.47	29.08
		For Aluminum Seating And Walks, Add	*140.94*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0019 Options And Accessories *(12 66 13)*

12 66 13 00-0020	EA	Removable Center Railing, Single Sphere	191.73	3.80
12 66 13 00-0021	LF	Removable Center Railing, Single Rail	65.36	3.80
12 66 13 00-0022	EA	Self Storing Side Railing	217.96	4.34
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails	151.78	4.01
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish	13.96	1.09
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish	34.58	1.09
12 66 13 00-0026	SF	Rear Filler Panel	50.13	0.54
12 66 13 00-0027	EA	4' Scorer/Timer Table	403.19	18.44
12 66 13 00-0028	EA	8' Scorer/Timer Table	504.97	28.21
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units	9,462.69	
12 66 13 00-0030	PR	Portable Dolly For Portable Units	10,614.26	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation	2.91	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.45	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread	170.81	32.55
		For Intermediate Steps, Add	*17.08*	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread	463.74	43.40
		For Intermediate Steps, Add	*46.37*	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread	137.45	13.57
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread	99.82	13.57
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing	631.15	40.69
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing	1,297.03	59.67
12 66 13 00-0039	EA	Portable Operator's Handle	363.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 01 Operation and Maintenance of Special Construction *(13)*

13 01 10 Operation and Maintenance of Special Facility Components *(13 01)*

13 01 11 Operation and Maintenance of Swimming Pools *(13 01 10)*

13 01 11 11 Operation and Maintenance of Swimming Pools *(13 01 11)*

13 01 11 11-0001 Pool Restoration Items *(13 01 11 11)*

13 01 11 11-0002	LF	Saw Cutting Pool Floor	15.20	
13 01 11 11-0003	SF	Demolish Pool Floor	27.65	
13 01 11 11-0004	LF	Demolish Pool Gutter Lip	38.70	
13 01 11 11-0005	LF	Demolish Pool Coping	23.04	
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster	12.40	
13 01 11 11-0007	LF	Install Pool Coping	103.85	
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations	645.06	
13 01 11 11-0009	EA	Coring For Pool Wall Inlets	221.16	
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets	368.60	
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture	737.21	
13 01 11 11-0012	EA	12 Volt, LED Pool Light	927.29	
13 01 11 11-0013	EA	Bond/Set Pool Anchors	191.32	
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors	546.46	
13 01 11 11-0015	LF	Form Pool Gutter	25.80	
13 01 11 11-0016	LF	Float Pool Gutter Lip	38.70	
13 01 11 11-0017	LF	Theroseal Pool Gutter	13.84	
13 01 11 11-0018	SF	Theroseal Pool Surge Tank	11.07	
13 01 11 11-0019	EA	Pool Start-up	11,835.63	
13 01 11 11-0020	SF	Up To 1/2" Thick Troweled Pool Plaster	5.71	
		For Radius Or Irregular Surface, Add	*1.98*	
		For Up To 25, Add	*1.31*	
		For >25 To 50, Add	*0.78*	
		For >50 To 150, Add	*0.37*	
13 01 11 11-0021	SF	>1/2" To 1" Thick Troweled Pool Plaster	8.16	
		For Radius Or Irregular Surface, Add	*2.86*	
		For Up To 25, Add	*1.89*	
		For >25 To 50, Add	*1.12*	
		For >50 To 150, Add	*0.54*	
13 01 11 11-0022	SF	1" x 1" Glass Pool Tile Sheet	19.27	1.81
13 01 11 11-0023	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet	23.52	1.81
13 01 11 11-0024	SF	6" x 6" Porcelain Pool Tile	28.88	1.81

13 01 11 11-0025 Swimming Pool Plaster Restoration *(13 01 11 11)*

13 01 11 11-0026	SF	Chip, Clean And Repair Plaster Up To 10 SF On Swimming Pool	37.07	
13 01 11 11-0027	SF	Chip, Clean And Repair Plaster >10 To 50 SF On Swimming Pool	26.93	
13 01 11 11-0028	SF	Chip, Clean And Repair Plaster >50 To 250 SF On Swimming Pool	19.83	
13 01 11 11-0029	SF	Chip, Clean And Repair Plaster >250 To 1,000 SF On Swimming Pool	15.78	
13 01 11 11-0030	SF	Chip, Clean And Repair Plaster >1,000 SF On Swimming Pool	11.72	

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

See CSI section 22 51 19 00-0043 for diatomite type filter system.

13 11 46 00-0001 Diving Boards *(13 11 46)*

13 11 46 00-0002	EA	14' Long, Aluminum Diving Boards	7,102.73	401.45
		For Wheel Adjuster, Add	*115.13*	
13 11 46 00-0003	EA	14' Long, Fiberglass Diving Boards	5,905.09	401.45
		For Wheel Adjuster, Add	*115.13*	
13 11 46 00-0004	EA	8' Long, Fiberglass Diving Board	3,198.56	333.10
		For Wheel Adjuster, Add	*107.53*	
13 11 46 00-0005	EA	10' Long, Fiberglass Diving Board	4,239.89	355.89
		For Wheel Adjuster, Add	*110.05*	
13 11 46 00-0006	EA	12' Long, Fiberglass Diving Board	5,257.63	379.76
		For Wheel Adjuster, Add	*112.67*	

13 11 46 00-0007 Diving Stand *(13 11 46)*

13 11 46 00-0008	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	34,044.57	2,712.56
13 11 46 00-0009	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	39,523.37	2,712.56
13 11 46 00-0010	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	20,518.55	1,085.03
13 11 46 00-0011	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	24,821.25	1,085.03
13 11 46 00-0012	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	7,508.34	503.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0013		**Heavy Duty Ladders** *(13 11 46)*		
13 11 46 00-0014	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	2,839.26	155.16
13 11 46 00-0015	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	3,499.90	179.03
13 11 46 00-0016		**Underwater Lights** *(13 11 46)*		
13 11 46 00-0017	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	488.48	156.03
13 11 46 00-0018	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	480.38	156.03
13 11 46 00-0019		**Pool Covers** *(13 11 46)*		
		Note: Includes cover straps and tension springs.		
13 11 46 00-0020	SF	Pool Covers, Reinforced Polyethylene	16.40	6.80
13 11 46 00-0021	SF	Pool Cover, Vinyl Water Tube	16.15	6.80
13 11 46 00-0022		**Curved Slides With Water Tube** *(13 11 46)*		
13 11 46 00-0023	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water	12,299.70	830.37
13 11 46 00-0024		**Slides With Water Tube** *(13 11 46)*		
13 11 46 00-0025	EA	5' Straight, Fiberglass Pool Slide	6,155.76	610.32
13 11 46 00-0026		**Pool Equipment And Accessories** *(13 11 46)*		
13 11 46 00-0027	EA	Swim Lift, Vertical, Stainless Steel, In Pool Mount	7,560.59	
		Note: Spectrum #5030.		
13 11 46 00-0028	EA	Swim Lift, With Arm, Stainless Steel, Deck Mount	11,064.97	
		Note: Spectrum Traveler XRC #26705.		
13 11 46 00-0029	EA	Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High	8,716.47	406.88
		Note: Paragon #37-164 "Lookout Dual Side Mount".		
13 11 46 00-0030	EA	Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High	14,512.15	434.01
		Note: Paragon #37-164 "Lookout Platform".		
13 11 46 00-0031	EA	Lifeguard Chair, Stainless Steel, 6' High	9,381.95	434.01
		Note: Paragon #38-005 "OSHA Guard Chair".		
13 11 46 00-0032	EA	Lifeguard Chair, Stainless Steel, 6' High	8,008.12	434.01
		Note: Paragon #38-010 "Ultraflyte Guard Chair".		
13 11 46 00-0033	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness	1,589.11	108.50
		Note: Requires four anchors sockets and escutcheons. Paragon #36-070.		
13 11 46 00-0034	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness	1,791.31	108.50
		Note: Requires four anchors sockets and escutcheons. Paragon #36-075.		
13 11 46 00-0035	EA	Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube	259.86	
13 11 46 00-0036	EA	Stainless Steel Escutcheon For 1.90" Outside Diameter Tube	48.98	
13 11 46 00-0037	EA	Rope Anchor	43.70	
13 11 46 00-0038	EA	Stanchion Post Socket	258.21	
13 11 46 00-0039	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness	812.75	54.25
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*24.65*	
13 11 46 00-0040	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness	951.40	54.25
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*29.50*	
13 11 46 00-0041	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness	870.52	54.25
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*26.67*	
13 11 46 00-0042	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness	1,026.50	54.25
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*32.13*	
13 11 46 00-0043	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness	936.38	54.25
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*28.98*	
13 11 46 00-0044	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness	1,099.30	54.25
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*34.68*	
13 11 46 00-0045	EA	1 Meter High Aluminum Diving Stand With Stainless Steel Handrail	18,395.46	1,085.03
		Note: Requires deck anchor set and diving board.		
13 11 46 00-0046	EA	3 Meter High Aluminum Diving Stand With Stainless Steel Handrail	36,246.12	2,170.05
		Note: Requires deck anchor set and diving board.		
13 11 46 00-0047	SET	Bronze Deck Anchor (Set of 8)	1,041.31	
13 11 46 00-0048	EA	16' Duraflex Diving Board	6,658.07	108.50
13 11 46 00-0049	EA	Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume	41,165.87	2,170.05
		Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.		

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001		**Fountains/Aerators** *(13 12 13)*		
13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,336.19	167.17
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,582.22	170.85
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,616.18	174.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,744.96	179.12
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,874.84	183.71
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,154.41	188.30
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	7,043.32	193.35
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,813.84	198.41
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,887.93	203.92
13 12 13 00-0011	EA	Aerator Nozzle	934.92	91.85

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	84.05	8.66

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	128.92	9.75

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.28	7.66
		For 20' To 29' In Length Only, Add	*3.70*	
		For 30' To 49' In Length Only, Add	*2.91*	
		For 50' To 69' In Length Only, Add	*1.70*	
		For 70' To 99' In Length Only, Add	*0.70*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.51*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.27*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.63*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.27*	
		For Single Slope Frame Roof, Add	*1.95*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.89*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.05*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.36	8.41
		For 20' To 29' In Length Only, Add	*3.80*	
		For 30' To 49' In Length Only, Add	*2.99*	
		For 50' To 69' In Length Only, Add	*1.75*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.97*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.62*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.43*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.16*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.15*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.77*	
		For Single Slope Frame Roof, Add	*2.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.94*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.15*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.69	9.29
		For 20' To 29' In Length Only, Add	*3.91*	
		For 30' To 49' In Length Only, Add	*3.07*	
		For 50' To 69' In Length Only, Add	*1.80*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.04*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.60*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.16*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.59*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.33*	
		For Single Slope Frame Roof, Add	*2.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.00*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.25*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.31	10.16
		For 20' To 29' In Length Only, Add	*4.10*	
		For 30' To 49' In Length Only, Add	*3.22*	
		For 50' To 69' In Length Only, Add	*1.88*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.12*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.80*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.48*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.09*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.95*	
		For Single Slope Frame Roof, Add	*2.16*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.08*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.01	11.03
		For 20' To 29' In Length Only, Add	*4.30*	
		For 30' To 49' In Length Only, Add	*3.38*	
		For 50' To 69' In Length Only, Add	*1.98*	
		For 70' To 99' In Length Only, Add	*0.82*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.20*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.90*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.60*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.60*	
		For Single Slope Frame Roof, Add	*2.27*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.15*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	44.17	11.84
		For 20' To 29' In Length Only, Add	*4.96*	
		For 30' To 49' In Length Only, Add	*3.90*	
		For 50' To 69' In Length Only, Add	*2.28*	
		For 70' To 99' In Length Only, Add	*0.94*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.33*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.21*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*8.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*10.60*	
		For Single Slope Frame Roof, Add	*2.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.28*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	49.49	13.58
		For 20' To 29' In Length Only, Add	*5.40*	
		For 30' To 49' In Length Only, Add	*4.24*	
		For 50' To 69' In Length Only, Add	*2.48*	
		For 70' To 99' In Length Only, Add	*1.02*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.47*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.71*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*9.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*11.88*	
		For Single Slope Frame Roof, Add	*2.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.78*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0011		>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
		(13 34 19 00-0002)		
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.86	6.10
		For 30' To 49' In Length Only, Add	*2.71*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.29*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.10*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.91*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.21*	
		For Single Slope Frame Roof, Add	*1.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.86*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.55	6.65
		For 30' To 49' In Length Only, Add	*2.79*	
		For 50' To 69' In Length Only, Add	*1.63*	
		For 70' To 99' In Length Only, Add	*0.67*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.38*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.07*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.69*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.61*	
		For Single Slope Frame Roof, Add	*1.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.98	7.20
		For 30' To 49' In Length Only, Add	*2.85*	
		For 50' To 69' In Length Only, Add	*1.67*	
		For 70' To 99' In Length Only, Add	*0.69*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.87*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.45*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.17*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.48*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.51*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.96*	
		For Single Slope Frame Roof, Add	*1.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.99*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.09	7.84
		For 30' To 49' In Length Only, Add	*3.00*	
		For 50' To 69' In Length Only, Add	*1.75*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.93*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.55*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.73*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.91*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.46*	
		For Single Slope Frame Roof, Add	*2.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.07*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.71	8.41
		For 30' To 49' In Length Only, Add	*3.29*	
		For 50' To 69' In Length Only, Add	*1.93*	
		For 70' To 99' In Length Only, Add	*0.79*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.01*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.09*	
		For Single Slope Frame Roof, Add	*2.21*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.99*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.15*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.07	9.00
		For 30' To 49' In Length Only, Add	*3.50*	
		For 50' To 69' In Length Only, Add	*2.05*	
		For 70' To 99' In Length Only, Add	*0.84*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.08*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.71*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.33*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.85*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.66*	
		For Single Slope Frame Roof, Add	*2.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.06*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.22*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	39.44	10.16
		For 30' To 49' In Length Only, Add	*3.70*	
		For 50' To 69' In Length Only, Add	*2.16*	
		For 70' To 99' In Length Only, Add	*0.89*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.18*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.97*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.96*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.85*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.73*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.49*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.47*	
		For Single Slope Frame Roof, Add	*2.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.15*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0019		>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.16	4.24
		For 30' To 49' In Length Only, Add	*2.37*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.97*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.42*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.83*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.84*	
		For Single Slope Frame Roof, Add	*1.59*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.98	4.46
		For 30' To 49' In Length Only, Add	*2.45*	
		For 50' To 69' In Length Only, Add	*1.43*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.05*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.52*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.99*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.04*	
		For Single Slope Frame Roof, Add	*1.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.79	4.66
		For 30' To 49' In Length Only, Add	*2.52*	
		For 50' To 69' In Length Only, Add	*1.47*	
		For 70' To 99' In Length Only, Add	*0.61*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.63*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.23*	
		For Single Slope Frame Roof, Add	*1.69*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.08	5.40
		For 30' To 49' In Length Only, Add	*2.66*	
		For 50' To 69' In Length Only, Add	*1.56*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.20*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.89*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.58*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.78*	
		For Single Slope Frame Roof, Add	*1.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.77*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.87	6.01
		For 30' To 49' In Length Only, Add	*2.76*	
		For 50' To 69' In Length Only, Add	*1.61*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.29*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.10*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.92*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.21*	
		For Single Slope Frame Roof, Add	*1.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.58	6.62
		For 30' To 49' In Length Only, Add	*2.83*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.38*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.07*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.69*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.62*	
		For Single Slope Frame Roof, Add	*1.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.82*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.92*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.75	7.49
		For 30' To 49' In Length Only, Add	*3.10*	
		For 50' To 69' In Length Only, Add	*1.81*	
		For 70' To 99' In Length Only, Add	*0.75*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.92*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.54*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.00*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.69*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.84*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.38*	
		For Single Slope Frame Roof, Add	*2.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.03*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0029	GSF	10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.25	6.10
		For 20' To 29' In Length Only, Add	*3.56*	
		For 30' To 49' In Length Only, Add	*2.80*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.67*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.79*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.31*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.99*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.86*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0030	GSF	12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.20	6.65
		For 20' To 29' In Length Only, Add	*3.76*	
		For 30' To 49' In Length Only, Add	*2.95*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.41*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.38*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.10	7.20
		For 20' To 29' In Length Only, Add	*3.95*	
		For 30' To 49' In Length Only, Add	*3.10*	
		For 50' To 69' In Length Only, Add	*1.81*	
		For 70' To 99' In Length Only, Add	*0.75*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.90*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.51*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.26*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.93*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.89*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.99*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	32.58	7.84
		For 20' To 29' In Length Only, Add	*4.24*	
		For 30' To 49' In Length Only, Add	*3.33*	
		For 50' To 69' In Length Only, Add	*1.95*	
		For 70' To 99' In Length Only, Add	*0.80*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.98*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.18*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.91*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.19*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.96*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.07*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.75	8.45
		For 20' To 29' In Length Only, Add	*4.47*	
		For 30' To 49' In Length Only, Add	*3.51*	
		For 50' To 69' In Length Only, Add	*2.05*	
		For 70' To 99' In Length Only, Add	*0.85*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.04*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.74*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.61*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.39*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.17*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.60*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.03*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.15*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0034	GSF	20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	36.90	9.05
		For 20' To 29' In Length Only, Add	*4.69*	
		For 30' To 49' In Length Only, Add	*3.68*	
		For 50' To 69' In Length Only, Add	*2.15*	
		For 70' To 99' In Length Only, Add	*0.89*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.11*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.77*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.43*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.01*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.09*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.22*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	41.35	10.33
		For 20' To 29' In Length Only, Add	*6.13*	
		For 30' To 49' In Length Only, Add	*4.03*	
		For 50' To 69' In Length Only, Add	*2.36*	
		For 70' To 99' In Length Only, Add	*0.97*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.24*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.07*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.10*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.96*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.86*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.21*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0036		>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.67	5.40
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.18*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.78*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.84*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.50*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.68*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.77*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.26	5.89
		For 30' To 49' In Length Only, Add	*2.68*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.26*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.89*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.80*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.75*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.83	6.38
		For 30' To 49' In Length Only, Add	*2.78*	
		For 50' To 69' In Length Only, Add	*1.63*	
		For 70' To 99' In Length Only, Add	*0.67*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.34*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.01*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.62*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.22*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.10*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.44*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.79*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.56	6.85
		For 30' To 49' In Length Only, Add	*2.93*	
		For 50' To 69' In Length Only, Add	*1.71*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.86*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.43*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.14*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.78*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.43*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.43*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.95*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.27	7.35
		For 30' To 49' In Length Only, Add	*3.06*	
		For 50' To 69' In Length Only, Add	*1.79*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.51*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.27*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.63*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.26*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.89*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.01*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.97	7.84
		For 30' To 49' In Length Only, Add	*3.20*	
		For 50' To 69' In Length Only, Add	*1.87*	
		For 70' To 99' In Length Only, Add	*0.77*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.96*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.60*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.40*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.12*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.84*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.94*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.07*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	35.82	8.94
		For 30' To 49' In Length Only, Add	*3.50*	
		For 50' To 69' In Length Only, Add	*2.05*	
		For 70' To 99' In Length Only, Add	*0.84*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.07*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.79*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.69*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.49*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.05*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.21*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.53	4.24
		For 30' To 49' In Length Only, Add	*2.46*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.03*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.54*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.46*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.90*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.93*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0046	GSF	12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.65	4.53
		For 30' To 49' In Length Only, Add	*2.56*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.60*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.11*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.20*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0047	GSF	14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.72	4.82
		For 30' To 49' In Length Only, Add	*2.65*	
		For 50' To 69' In Length Only, Add	*1.55*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.14*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.73*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.32*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.69*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.89	5.11
		For 30' To 49' In Length Only, Add	*2.77*	
		For 50' To 69' In Length Only, Add	*1.62*	
		For 70' To 99' In Length Only, Add	*0.67*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.19*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.79*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.33*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.87*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.36	5.46
		For 30' To 49' In Length Only, Add	*2.92*	
		For 50' To 69' In Length Only, Add	*1.71*	
		For 70' To 99' In Length Only, Add	*0.70*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.27*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.47*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.04*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.78*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.70	5.75
		For 30' To 49' In Length Only, Add	*3.07*	
		For 50' To 69' In Length Only, Add	*1.80*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.34*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.41*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.80*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0051	GSF	24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.80	6.53
		For 30' To 49' In Length Only, Add	*3.37*	
		For 50' To 69' In Length Only, Add	*1.97*	
		For 70' To 99' In Length Only, Add	*0.81*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.89*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.49*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.58*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.66*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.15*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.90*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.91*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0052		Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053		Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.53	4.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.10*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.58*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.09*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.17*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.98	5.34
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.15*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.72*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.24*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.76*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.37*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.52*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.14	5.63
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.90*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.59*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	25.28	5.92
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.26*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.80*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.75*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	27.38	6.44
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.37*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.05*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.29*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.20*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.57*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.90*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.95	4.41
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.39*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.23	4.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.07*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.55*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.03*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.38	4.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.12*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.18*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.69*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.37*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.38	5.22
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.28*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	25.32	5.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.27*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.47*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.04*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.48	3.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.80*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.22*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.51*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.44*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.37	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.89*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.32*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.68*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.38	4.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.87*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.25	4.47
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.07*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.55*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.04*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.03	4.88
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.15*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.25*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.76*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0071		>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.99	3.72
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.16*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.42*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.72	3.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.59	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.35*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.70*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.40	4.24
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.13	4.58
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.66*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.16*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.66*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.20*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.31*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.87	3.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.57	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.53*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.64	3.94
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.82*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.24*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.47*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	19.37	4.12
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.89*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.32*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.68*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	21.76	4.41
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.63*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0084		>120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*		
13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.86	3.54
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.02*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.05*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.43	3.66
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.09	3.80
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.17*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.74	3.94
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	21.08	4.24
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.06*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.53*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.01*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.18	3.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.85	3.48
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.02*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.43	3.60
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.97	3.72
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.16*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.41*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.31*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	20.34	4.07
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.98*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.86*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.94	3.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.55*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.91*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.51	3.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.98*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.96*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.12	3.48
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.71	3.60
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.13*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.95	3.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.39*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.74	3.13
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.18*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.89*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.99*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.20	3.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.08*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.83	3.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.02*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.44	3.48
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.71	3.77
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.48*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.92*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.37*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.74*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0109		**Metal Building Options** *(13 34 19 00-0001)* Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0079 for sliding windows.		
13 34 19 00-0110		**Metal Framing For Rough Openings** *(13 34 19 00-0109)* Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	464.36	130.02
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	697.15	168.33
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	806.45	159.62
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	868.13	162.53
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	920.07	168.33
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	448.64	130.02
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	504.50	147.78
13 34 19 00-0118	LF	Additional Girts	12.58	
13 34 19 00-0119		**Wall Panel Options For Metal Buildings** *(13 34 19 00-0109)* Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	13.97	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	16.93	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	19.56	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	22.56	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0124		**Roofing Options For Metal Buildings** *(13 34 19 00-0109)*		
		Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.53	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	24.75	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	26.31	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	27.57	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	192.92	49.92
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	25.94	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.21	0.32
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.35	0.32
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.53	0.43
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.77	0.43
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.23	0.43
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.48	0.32
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.62	0.32
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.75	0.43
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.93	0.43
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.32	0.43
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.40	0.32
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.56	0.32
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.86	0.43
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.04	0.43
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.40	0.43
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.30	0.32
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.38	0.32
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.56	0.43
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.94	0.43
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.31	0.32
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.40	0.32
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.59	0.43
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.99	0.43
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.76	0.32
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.88	0.32
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.07	0.43
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.47	0.43
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	44.99	9.05
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	68.10	6.50
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	92.25	14.51
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*21.61*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*12.39*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	77.06	12.19
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*18.05*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*10.34*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	58.41	10.45
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*13.56*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*7.72*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	112.45	22.05
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	75.61	13.35
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	49.18	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	61.62	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	74.22	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	86.65	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	111.58	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	65.98	
		For 24 Gauge, Add	*7.67*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	82.59	
		For 24 Gauge, Add	*9.67*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	99.29	
		For 24 Gauge, Add	*11.59*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	115.99	
		For 24 Gauge, Add	*13.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	148.48	
		For 24 Gauge, Add	*17.40*	
13 34 19 00-0177		**Louvers And Vents For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0178	EA	4' x 3' Fixed Louver	701.40	181.10
13 34 19 00-0179	EA	12" Rotary Vent With Damper	425.06	116.09
13 34 19 00-0180	EA	20" Rotary Vent With Damper	755.35	154.98
13 34 19 00-0181	EA	24" Rotary Vent With Damper	1,004.60	174.13
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	1,147.47	232.18
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	1,225.22	232.18
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,428.76	232.18
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,562.71	232.18
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,710.05	232.18
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,857.39	232.18
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	2,442.29	290.22
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	2,683.39	290.22
13 34 19 00-0190		**Gutters And Downspouts For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	11.58	2.90
		For Galvanized Instead Of Painted, Deduct	*-1.44*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	10.42	4.07
		For Galvanized Instead Of Painted, Deduct	*-0.58*	

13 34 23 Fabricated Structures *(13 34)*

13 34 23 13 Portable and Mobile Buildings *(13 34 23)*

13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	518.69
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	444.93
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	356.12
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	281.78
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	251.84

13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	67.79
		For Each Delivery And Set-Up (Block And Level), Add	*1,429.53*
		For Each Knock-Down And Pick-Up, Add	*1,149.53*
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
13 34 23 13-0009	SF	Modular Trailers, Connected	94.90
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Each Delivery And Set-Up (Block And Level), Add	*3,167.70*
		For Each Knock-Down And Pick-Up, Add	*2,517.70*
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	1,016.78

13 34 23 13-0011 Accessories *(13 34 23 13)*

13 34 23 13-0012 Skirting *(13 34 23 13-0011)*

Note: Includes 2" x 4" wood framing 16" on center.

13 34 23 13-0013 Vinyl Covered, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	5.14	1.86
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	7.48	3.06

13 34 23 13-0016 Fiberglass, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	9.36	3.50
13 34 23 13-0018	SF	3' High Fiberglass Skirt	10.84	4.26

13 34 23 13-0019 Plywood, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	8.77	3.72
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	10.36	4.48

13 34 23 13-0022 Steel, Painted, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	10.13	3.50
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	11.73	4.26

13 34 23 13-0025 14" x 14" Access Hatch *(13 34 23 13-0011)*

Note: Simple design.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	256.06	82.09
	13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	220.49	82.09
	13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	254.14	82.09
	13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	255.71	82.09
13 34 23 13-0030			Pole Anchor *(13 34 23 13-0011)*		
			Note: Joslyn.		
	13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	71.58	31.11
	13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	80.96	31.11
	13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	107.91	34.99
	13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	151.50	38.89
	13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	173.02	42.78
	13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	277.49	58.33
13 34 23 13-0037			Aluminum Modular Access Ramp *(13 34 23 13-0011)*		
			Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
	13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,683.79	27.33
	13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,716.58	35.52
	13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,662.18	54.66
	13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,258.86	54.66
	13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,865.75	35.52
	13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,832.96	27.33
	13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,353.71	35.52
	13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,793.03	35.52
	13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,793.03	35.52
	13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,320.71	35.52
	13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,844.67	35.52
13 34 23 13-0049			Relocate Portable And Mobile Trailer *(13 34 23 13)*		
			Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0087 for escort vehicle, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
	13 34 23 13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transposrtation	980.04	
			Note: Includes securing interior, mounting tires, and mounting trailer hitch		
	13 34 23 13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transposrtation	4,655.51	
			Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
	13 34 23 13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer	431.21	
			Note: Per trailer		
	13 34 23 13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer	548.82	
			Note: Per trailer		
	13 34 23 13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer	666.43	
			Note: Per trailer		
	13 34 23 13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer	1,332.85	
			Note: Per trailer		
	13 34 23 13-0056	MI	Transportation And Delivery Of Trailer	19.12	
			See CSI section 01 22 20 00-0088 for escort vehicle service (when required).		
	13 34 23 13-0057	EA	Re-connect 24' Wide Double Trailer	9,374.79	
			Note: Includes removal of temporay plastic and boards, caulking, installtion of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.		
	13 34 23 13-0058	EA	Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long	539.02	
			Note: Per trailer		
	13 34 23 13-0059	EA	Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long	686.03	
			Note: Per trailer		
	13 34 23 13-0060	EA	Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long	833.03	
			Note: Per trailer		
	13 34 23 13-0061	EA	Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long	1,666.06	
			Note: Per trailer		
	13 34 23 13-0062	EA	Connection Straps To Anchor	24.51	
			Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.		
13 34 23 14			**Fabricated Classroom Buildings** *(13 34 23)*		
13 34 23 14-0001			Semi Permanent Modular Transportable Buildings *(13 34 23 14)*		
	13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	101.00	
			For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
			For Each Delivery And Set-Up (Block And Level), Add	*3,167.70*	
			For Each Knock-Down And Pick-Up, Add	*2,517.70*	
	13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	103.99	
			For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
			For Each Delivery And Set-Up (Block And Level), Add	*3,167.70*	
			For Each Knock-Down And Pick-Up, Add	*2,517.70*	
13 34 23 16			**Fabricated Control Booths** *(13 34 23)*		
13 34 23 16-0001			Fabricated Parking Attendant Booths *(13 34 23 16)*		
			Note: Excludes foundations and slab.		
	13 34 23 16-0002	EA	Parking Booth For Attendant	1,745.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001 Pavilion Style Metal Shelter Structures *(13 34 23 31)*

Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.

13 34 23 31-0002	EA	12' x 12' Pavilion Style Metal Shelter Structure	11,880.32	2,226.16
13 34 23 31-0003	EA	16' x 16' Pavilion Style Metal Shelter Structure	13,977.43	2,322.97
13 34 23 31-0004	EA	16' x 32' Pavilion Style Metal Shelter Structure	17,871.04	2,477.84
13 34 23 31-0005	EA	20' x 20' Pavilion Style Metal Shelter Structure	16,779.56	2,400.41
13 34 23 31-0006	EA	20' x 30' Pavilion Style Metal Shelter Structure	20,788.66	2,632.70
13 34 23 31-0007	EA	20' x 40' Pavilion Style Metal Shelter Structure	24,810.48	2,710.13
13 34 23 31-0008	EA	24' x 24' Pavilion Style Metal Shelter Structure	20,555.98	2,477.84
13 34 23 31-0009	EA	24' x 48' Pavilion Style Metal Shelter Structure	29,052.23	3,097.31
13 34 23 31-0010	EA	30' x 30' Pavilion Style Metal Shelter Structure	27,917.95	3,097.31
13 34 23 31-0011	EA	30' x 60' Pavilion Style Metal Shelter Structure	55,744.53	3,871.63
13 34 23 31-0012	EA	40' x 40' Pavilion Style Metal Shelter Structure	51,478.31	4,838.66
13 34 23 31-0013	EA	40' x 60' Pavilion Style Metal Shelter Structure	74,713.01	5,420.28

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	14,330.24	878.47
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	35,011.87	1,176.28
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	147.54	8.33
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	110.04	8.33
13 42 63 16-0005	SF	Perforated Metal Crime Shield	107.62	3.44

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*

See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	70.20	12.47
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	87.34	12.47
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	113.46	12.47
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	126.19	12.47
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	244.43	24.92

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	85.70	12.47
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	109.14	12.47
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	139.47	12.47
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	154.90	12.47
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	303.49	24.92

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	96.76	37.39
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	128.60	49.85
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	173.08	62.31
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	128.60	49.85
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	136.92	49.85
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	243.40	99.70
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	170.90	62.31
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	96.76	37.39

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	102.19	37.39
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	136.01	49.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	185.22	62.31
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	136.54	49.85
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	143.93	49.85
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	259.61	99.70
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	181.54	62.31
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	102.19	37.39
13 46 13 00-0034		Connectors *(13 46 13 00-0001)*		
13 46 13 00-0035		Copper Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	195.09	62.31
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	265.87	99.70
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	174.59	62.31
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	41.72	12.47
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	42.76	12.47
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	130.03	37.39
13 46 13 00-0042		Aluminum Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	207.92	62.31
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	289.96	99.70
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	192.08	62.31
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	46.81	12.47
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	138.21	37.39
13 46 13 00-0048		Bonding Plates *(13 46 13 00-0001)*		
13 46 13 00-0049		Copper Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	154.78	62.31
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	159.86	62.31
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	235.27	99.70
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	157.77	62.31
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	166.21	62.31
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	237.96	99.70
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	28.57	12.47
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	29.14	12.47
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	28.11	12.47
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	27.92	12.47
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	81.48	37.39
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	84.24	37.39
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	31.36	6.23
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	41.91	6.23
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	197.21	62.31

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0001		Anodes *(13 47 13 13)*		
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	406.03	178.54
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	601.74	258.03
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	819.63	331.95
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	1,166.31	464.46
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)* Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	609.93	252.77
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	947.17	352.97
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	709.16	220.90
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	1,083.26	294.91
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,137.61	358.93
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,314.75	358.93
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,232.82	415.01
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,422.61	415.01
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.19	0.45
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,337.02	883.58
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	2,589.62	883.58
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	2,968.52	883.58
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	3,600.02	883.58
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	4,469.60	973.52
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	4,943.23	973.52
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	5,732.61	973.52
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	7,801.68	1,061.20
13 47 13 13-0030		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	311.43	103.44
13 47 13 16		**Cathodic Protection for Underground Storage Tanks** *(13 47 13)* See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48		**Sound, Vibration, and Seismic Control** *(13 40)*		
13 48 63		**Fabricated Seismic Control Assemblies** *(13 48)*		
13 48 63 00-0001		Seismic Restraints *(13 48 63)*		
13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	5.22	1.09
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.15	0.54
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	6.85	1.36
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.29	0.67
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	6.71	0.79
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	11.39	0.96
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	4.73	0.82
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.05	0.82
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.24	0.54
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	10.31	1.63
13 48 63 00-0012	LF	Seismic Chord, Black	2.74	0.82
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	3.72	0.82
13 48 63 00-0014		ISAT Seismic Restraint Kits *(13 48 63)* Note: Pipe/Conduit restraint kit includes hanger, pipe clamp, channel, threaded rod, washers, nuts, bracket, brace arm and deck anchors. Trapeze rack restraint kits include Unistrut, channel, threaded rod, washers, nuts, bracket, brace arm and deck anchors.		
13 48 63 00-0015		Trapeze Rack Restraints *(13 48 63 00-0014)*		
13 48 63 00-0016	EA	1-Way Rigid Seismic Brace, ISAT Kit Number 1R3-N4-TR	231.23	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0017	EA	3-Way Rigid Seismic Brace, ISAT Kit Number 3R3-N4-TR	488.97	
13 48 63 00-0018	EA	4-Way Rigid Seismic Brace, ISAT Kit Number 4R3-N4-TR	614.29	
13 48 63 00-0019	EA	2-Way Rigid Seismic Brace, ISAT Kit Number 2R7-N5-TR	363.63	
13 48 63 00-0020	EA	2-Way Rigid Seismic Brace, ISAT Kit Number 2R7-N7-TR	372.40	
13 48 63 00-0021	EA	1-Way Rigid Seismic Brace, ISAT Kit Number 1R7-N4-TR	231.23	
13 48 63 00-0022	EA	4-Way Rigid Seismic Brace, ISAT Kit Number 4R10-N8-TR	631.83	
13 48 63 00-0023	EA	3-Way Rigid Seismic Brace, ISAT Kit Number 3R7-N4-TR	488.97	
13 48 63 00-0024		**Single Hung Pipe Restraints** *(13 48 63 00-0014)*		
13 48 63 00-0025	EA	1-Way Rigid Seismic Brace For 1" Pipe, ISAT Kit Number 1R1-N4-1"-SH	200.50	
13 48 63 00-0026	EA	2-Way Rigid Seismic Brace For 1" Pipe, ISAT Kit Number 1R1-N4-1"-SH	313.59	
13 48 63 00-0027	EA	1-Way Rigid Seismic Brace For 1.25" Pipe, ISAT Kit Number 1R1-N4-1.25"-SH	213.07	
13 48 63 00-0028	EA	2-Way Rigid Seismic Brace For 1.25" Pipe, ISAT Kit Number 1R1-N4-1.25"-SH	326.16	
13 48 63 00-0029	EA	1-Way Rigid Seismic Brace For 1.5" Pipe, ISAT Kit Number 1R1-N4-1.5"-SH	224.01	
13 48 63 00-0030	EA	2-Way Rigid Seismic Brace For 1.5" Pipe, ISAT Kit Number 1R1-N4-1.5"-SH	337.10	
13 48 63 00-0031	EA	1-Way Rigid Seismic Brace For 2" Pipe, ISAT Kit Number 1R1-N4-2"-SH	237.75	
13 48 63 00-0032	EA	2-Way Rigid Seismic Brace For 2" Pipe, ISAT Kit Number 1R1-N4-2"-SH	350.85	
13 48 63 00-0033	EA	1-Way Rigid Seismic Brace For 2.5" Pipe, ISAT Kit Number 1R3-N4-2.5"-SH	259.71	
13 48 63 00-0034	EA	2-Way Rigid Seismic Brace For 2.5" Pipe, ISAT Kit Number 2R3-N4-2.5"-SH	372.79	
13 48 63 00-0035	EA	1-Way Rigid Seismic Brace For 3" Pipe, ISAT Kit Number 1R3-N4-3"-SH	272.87	
13 48 63 00-0036	EA	2-Way Rigid Seismic Brace For 3" Pipe, ISAT Kit Number 2R3-N4-3"-SH	385.95	
13 48 63 00-0037	EA	1-Way Rigid Seismic Brace For 4" Pipe, ISAT Kit Number 1R7-N4-4"-SH	301.69	
13 48 63 00-0038	EA	1-Way Rigid Seismic Brace For 4" Pipe, ISAT Kit Number 1R7-N7-4"-SH	306.08	
13 48 63 00-0039	EA	2-Way Rigid Seismic Brace For 4" Pipe, ISAT Kit Number 2R7-N7-4"-SH	423.55	
13 48 63 00-0040	EA	1-Way Rigid Seismic Brace For 6" Pipe, ISAT Kit Number 1R11-N7-6"-SH	365.94	
13 48 63 00-0041	EA	1-Way Rigid Seismic Brace For 6" Pipe, ISAT Kit Number 1R11-N8-6"-SH	370.33	
13 48 63 00-0042	EA	2-Way Rigid Seismic Brace For 6" Pipe, ISAT Kit Number 2R11-N8-6"-SH	487.79	
13 48 63 00-0043	EA	1-Way Rigid Seismic Brace For 8" Pipe, ISAT Kit Number 1R17-N5-8"-SH	397.53	
13 48 63 00-0044	EA	1-Way Rigid Seismic Brace For 8" Pipe, ISAT Kit Number 1R19-N8-8"-SH	401.91	
13 48 63 00-0045	EA	2-Way Rigid Seismic Brace For 8" Pipe, ISAT Kit Number 2R19-N8-8"-SH	519.37	
13 48 63 00-0046		**Single Hung Cast Iron Pipe Restraints** *(13 48 63 00-0014)*		
13 48 63 00-0047	EA	1-Way Rigid Seismic Brace For 2.5" Pipe, ISAT Kit Number 1R3-N4-2.5"-CI	259.71	
13 48 63 00-0048	EA	2-Way Rigid Seismic Brace For 2.5" Pipe, ISAT Kit Number 2R3-N4-2.5"-CI	372.79	
13 48 63 00-0049	EA	1-Way Rigid Seismic Brace For 3" Pipe, ISAT Kit Number 1R3-N4-3"-CI	272.87	
13 48 63 00-0050	EA	2-Way Rigid Seismic Brace For 3" Pipe, ISAT Kit Number 2R3-N4-3"-CI	385.95	
13 48 63 00-0051	EA	1-Way Rigid Seismic Brace For 4" Pipe, ISAT Kit Number 1R7-N4-4"-CI	301.69	
13 48 63 00-0052	EA	2-Way Rigid Seismic Brace For 4" Pipe, ISAT Kit Number 2R7-N4-4"-CI	410.61	
13 48 63 00-0053	EA	1-Way Rigid Seismic Brace For 6" Pipe, ISAT Kit Number 1R11-N4-6"-CI	365.94	
13 48 63 00-0054	EA	2-Way Rigid Seismic Brace For 6" Pipe, ISAT Kit Number 2R11-N4-6"-SH	487.79	
13 48 63 00-0055		**Single Hung Rigid Conduit Restraints** *(13 48 63 00-0014)*		
13 48 63 00-0056	EA	1-Way Rigid Seismic Brace For 3" Conduit, ISAT Kit Number 1R3-N4-3"-SC	272.87	
13 48 63 00-0057	EA	2-Way Rigid Seismic Brace For 3" Conduit, ISAT Kit Number 2R3-N4-3"-SC	385.95	
13 48 63 00-0058		**Seismic Bracing Assembly** *(13 48 63)*		
13 48 63 00-0059	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	164.80	
13 48 63 00-0060	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	162.11	
13 48 63 00-0061	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	239.44	
13 48 63 00-0062	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	308.56	
13 48 63 00-0063	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	334.28	
13 48 63 00-0064	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	493.59	
13 48 63 00-0065	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	652.90	
13 48 63 00-0066	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	213.36	
13 48 63 00-0067	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	312.21	
13 48 63 00-0068	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	411.07	
13 48 63 00-0069		**Seismic Brace Components** *(13 48 63)*		
13 48 63 00-0070	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	33.13	
13 48 63 00-0071	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	46.35	
13 48 63 00-0072	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	62.23	
13 48 63 00-0073	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	86.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0074	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	30.97	
13 48 63 00-0075	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	42.61	
13 48 63 00-0076	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	56.74	
13 48 63 00-0077	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	77.52	
13 48 63 00-0078	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	38.04	
13 48 63 00-0079	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	50.92	
13 48 63 00-0080	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	71.70	
13 48 63 00-0081	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	68.38	
13 48 63 00-0082	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	97.05	
13 48 63 00-0083	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	133.21	
13 48 63 00-0084	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	28.56	
13 48 63 00-0085	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	35.21	
13 48 63 00-0086	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	44.35	

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001 Lead Shielding *(13 49 13)*
See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	48.99	6.51
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	86.05	7.05
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	156.69	7.59
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	302.44	9.77

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001 X-Ray Barriers, Modular *(13 49 16)*
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,461.90	142.87
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,050.12	142.87
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,342.55	171.45
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	11,048.41	171.45

13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	20,338.87	228.60
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,162.38	228.60
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,807.79	257.18
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	23,511.90	285.74

13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	30,923.41	285.74
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	32,452.77	285.74
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	33,155.29	342.89
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	35,565.20	371.47

13 49 16 00-0017 X-Ray Barriers, Mobile *(13 49 16)*
Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.

13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*
Note: Includes Framework

13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	6,524.62	27.12

13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*
Note: Includes Framework

13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	11,583.27	27.12
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,936.14	27.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0023		72" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,700.85	27.12
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	17,347.79	27.12

13 49 19 Lead-Lined Materials *(13 49)*

13 49 19 16 Lead-Lined Drywall *(13 49 19)*

13 49 19 16-0001		Lead Lined Drywall *(13 49 19 16)* See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	27.90	1.42
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	49.67	1.70
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	91.79	2.05

END OF SECTION 13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	534.27	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	712.36	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	445.22	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	445.22	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	267.14	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	175.18	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	218.97	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,272.92	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,591.15	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	636.46	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,432.04	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	954.69	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,227.62	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,545.85	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	1,909.38	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,386.73	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,272.92	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,008.99	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,260.12	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,008.99	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,008.99	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,008.99	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	42,691.60	9,260.98
		For Union-Guard Cathotic Protection, Add *Note: Includes Pump.*	*9,206.30*	
		For An Additional Stop, Add *Note: Includes Removal.*	*9,735.26*	
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	46,063.01	11,190.35
		For Union-Guard Cathotic Protection, Add *Note: Includes Pump.*	*9,300.30*	
		For An Additional Stop, Add *Note: Includes Removal.*	*10,341.44*	
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	54,609.87	12,733.84
		For Union-Guard Cathotic Protection, Add *Note: Includes Pump.*	*10,804.38*	
		For An Additional Stop, Add *Note: Includes Removal.*	*13,290.01*	
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,731.32	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	76.58	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	843.88	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,453.67	771.75
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	3,783.60	771.75
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes buildback.	8,294.73	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes buildback.	9,046.77	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes buildback.	8,777.92	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes buildback.	9,529.96	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	94.36	22.05
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	81.01	22.05
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	14.34	2.89
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,436.68	578.81
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	20,878.17	3,231.69
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,579.96	771.75
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	480.53	192.94
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	470.48	385.88
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	646.96	337.64
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,097.59	771.75
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	642.71	356.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	470.48	385.88
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	790.10	385.88
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,026.13	771.75
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,264.11	385.88
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,086.33	1,543.49
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	9,800.77	1,543.49
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	2,851.75	385.88
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	9,593.95	1,543.49
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,040.82	385.88
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,778.05	385.88
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	260.62	192.94
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,674.65	385.88
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	21.73	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	6,173.98	3,087.00
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.69	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	6,837.34	771.75
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	9,845.50	771.75
14 01 20 71-0065	EA	Removal And Replacement Of Governor	5,737.02	771.75
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	9,142.73	1,543.49
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	1,919.06	385.88
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,429.79	385.88
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	1,147.77	385.88
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	1,815.66	385.88
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	214.94	192.94
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	48,555.07	6,173.98
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	28,061.98	6,173.98
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	43,636.46	6,173.98
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangment), Baked Enamel	3,556.11	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangment), Baked Enamel	3,762.92	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangment), Stainless Steel	3,990.41	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangment), Stainless Steel	4,238.58	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,349.30	385.88
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	54,243.84	6,173.98
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	141.57	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	150.91	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	157.30	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	9,888.28	771.75
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,007.33	771.75
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,101.34	771.75
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,195.34	771.75
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,308.15	771.75
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	8,895.59	771.75
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	8,895.59	771.75
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	12,655.79	771.75
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	14,535.89	771.75
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,069.70	166.71
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,291.24	200.06
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	7,034.65	233.39
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	231.99	192.94
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	237.20	192.94
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	159.41	45.40
14 01 20 71-0099	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	153.28	45.40
14 01 20 71-0100	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	181.94	45.40
14 01 20 71-0101	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	201.34	45.40
14 01 20 71-0102	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	230.22	45.40
14 01 20 71-0103	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	185.55	45.40
14 01 20 71-0104	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	211.04	45.40
14 01 20 71-0105	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	328.02	45.40
14 01 20 71-0106	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	368.48	45.40
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	152.31	45.40
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	153.87	45.40
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	196.23	45.40
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	183.74	45.40
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	197.05	45.40
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	246.71	45.40

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113		LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	190.06	45.40
14 01 20 71-0114		LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	194.35	45.40
14 01 20 71-0115		LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	324.98	45.40
14 01 20 71-0116		LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	213.52	45.40
14 01 20 71-0117		LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	325.80	45.40
14 01 20 71-0118		LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	368.48	45.40

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002		EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	746.83
14 01 30 71-0003		HR	Escalator Servicing, Labor Only	175.18
14 01 30 71-0004		EA	Acceptance Test Of Escalators And Moving Walks	4,107.57

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006		EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	1,922.83
14 01 30 71-0007		EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,061.60
14 01 30 71-0008		EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,163.88
14 01 30 71-0009		EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,334.43
14 01 30 71-0010		LF	Removal And Replacement Of Sliding Handrail	180.06

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002		EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings	360,110.04
			For Each Opening With Bonderized Steel Door, Add	*276.94*
			For Each Opening With Stainless Steel Doors, Add	*692.35*
			For Each Opening With Two Speed Doors, Add	*830.82*
			For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*
			For Stainless Steel Cab Interior, Add	*7,344.00*
			For Elevator With Manual Door, Deduct	*-10,000.00*
			For Class "C-1" Loading, Add	*1,529.39*
			For Class "C-2" Loading, Add	*1,836.00*
			For Class "C-3" Loading, Add	*2,511.65*
			For Removal Of Existing Stop, Add	*8,208.57*
			For Each Additional Stop, Add	*33,410.67*
			For Each Floor < 6 Stops, Deduct	*-29,391.03*
			For Each Additional 50 FPM, Add	*5,508.00*
			For Removal Of Existing Elevator, Add	*41,042.85*
14 21 13 00-0003		EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings	380,728.77
			For Each Opening With Bonderized Steel Door, Add	*276.94*
			For Each Opening With Stainless Steel Doors, Add	*692.35*
			For Each Opening With Two Speed Doors, Add	*830.82*
			For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*
			For Stainless Steel Cab Interior, Add	*7,344.00*
			For Elevator With Manual Door, Deduct	*-10,000.00*
			For Class "C-1" Loading, Add	*3,058.78*
			For Class "C-2" Loading, Add	*3,672.00*
			For Class "C-3" Loading, Add	*5,089.39*
			For Removal Of Existing Stop, Add	*8,208.57*
			For Each Additional Stop, Add	*33,410.67*
			For Each Floor < 6 Stops, Deduct	*-29,391.03*
			For Each Additional 50 FPM, Add	*5,508.00*
			For Removal Of Existing Elevator, Add	*41,042.85*
14 21 13 00-0004		EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM, 6 Stops, 6 Openings	402,917.82
			For Elevator With Manual Door, Deduct	*-10,000.00*
			For Class "C-1" Loading, Add	*3,058.78*
			For Class "C-2" Loading, Add	*3,672.00*
			For Class "C-3" Loading, Add	*5,089.39*
			For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*
			For Stainless Steel Cab Interior, Add	*8,262.00*
			For Removal Of Existing Stop, Add	*8,208.57*
			For Each Additional Stop, Add	*34,328.67*
			For Each Additional 50 FPM, Add	*5,508.00*
			For Each Opening With Bonderized Steel Door, Add	*275.40*
			For Each Opening With Stainless Steel Doors, Add	*550.80*
			For Each Opening With Two Speed Doors, Add	*688.50*
			For Removal Of Existing Elevator, Add	*41,042.85*
			For Each Floor < 6 Stops, Deduct	*-30,391.03*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM, 6 Stops, 6 Openings	412,583.83	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,058.78*	
		For Class "C-2" Loading, Add	*3,672.00*	
		For Class "C-3" Loading, Add	*5,089.39*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*	
		For Stainless Steel Cab Interior, Add	*8,262.00*	
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Each Additional Stop, Add	*34,328.67*	
		For Each Additional 50 FPM, Add	*5,508.00*	
		For Each Opening With Bonderized Steel Door, Add	*275.40*	
		For Each Opening With Stainless Steel Doors, Add	*550.80*	
		For Each Opening With Two Speed Doors, Add	*688.50*	
		For Removal Of Existing Elevator, Add	*41,042.85*	
		For Each Floor < 6 Stops, Deduct	*-30,391.03*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM, 6 Stops, 6 Openings	425,388.69	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*13,847.00*	
		For Class "C-1" Loading, Add	*6,119.39*	
		For Class "C-2" Loading, Add	*7,344.00*	
		For Class "C-3" Loading, Add	*10,046.59*	
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Each Additional Stop, Add	*34,328.67*	
		For Each Opening With Bonderized Steel Door, Add	*367.20*	
		For Each Opening With Stainless Steel Doors, Add	*642.60*	
		For Each Opening With Two Speed Doors, Add	*780.30*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,508.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,344.00*	
		For Stainless Steel Cab Interior, Add	*9,180.00*	
		For Removal Of Existing Elevator, Add	*41,042.85*	
		For Each Floor < 6 Stops, Deduct	*-30,391.03*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM, 6 Stops, 6 Openings	440,020.97	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*13,847.00*	
		For Class "C-1" Loading, Add	*6,119.39*	
		For Class "C-2" Loading, Add	*7,344.00*	
		For Class "C-3" Loading, Add	*10,046.59*	
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Each Additional Stop, Add	*34,328.67*	
		For Each Opening With Bonderized Steel Door, Add	*367.20*	
		For Each Opening With Stainless Steel Doors, Add	*642.60*	
		For Each Opening With Two Speed Doors, Add	*780.30*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,508.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,344.00*	
		For Stainless Steel Cab Interior, Add	*9,180.00*	
		For Removal Of Existing Elevator, Add	*41,042.85*	
		For Each Floor < 6 Stops, Deduct	*-30,391.03*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM, 6 Stops, 6 Openings	452,449.38	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*13,847.00*	
		For Class "C-1" Loading, Add	*6,119.39*	
		For Class "C-2" Loading, Add	*7,344.00*	
		For Class "C-3" Loading, Add	*10,046.59*	
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Each Additional Stop, Add	*34,328.67*	
		For Each Opening With Bonderized Steel Door, Add	*367.20*	
		For Each Opening With Stainless Steel Doors, Add	*642.60*	
		For Each Opening With Two Speed Doors, Add	*780.30*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,508.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,344.00*	
		For Stainless Steel Cab Interior, Add	*9,180.00*	
		For Removal Of Existing Elevator, Add	*41,042.85*	
		For Each Floor < 6 Stops, Deduct	*-30,391.03*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM, 6 Stops, 6 Openings	270,434.54	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM, 6 Stops, 6 Openings	277,543.86	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM, 6 Stops, 6 Openings	283,610.11	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM, 6 Stops, 6 Openings	288,069.33	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings	293,766.15	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 LB x 200 FPM, 6 Stops, 6 Openings	299,359.97	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings	305,092.20	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For Each Additional Stop, Add	*33,410.67*	
		For Each Floor < 6 Stops, Deduct	*-20,260.71*	
		For Removal Of Existing Elevator, Add	*30,782.15*	

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14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM, 3 Stops, 3 Openings	222,829.14	
		For Each Additional Stop, Add	*25,553.40*	
		For 2 Stops, Deduct	*-15,597.73*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*2,769.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,529.39*	
		For Class "C-2" Loading, Add	*1,836.00*	
		For Class "C-3" Loading, Add	*2,511.65*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 LB x 50 FPM, 3 Stops, 3 Openings	229,907.74	
		For Each Additional Stop, Add	*25,553.40*	
		For 2 Stops, Deduct	*-15,597.73*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*2,769.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,529.39*	
		For Class "C-2" Loading, Add	*1,836.00*	
		For Class "C-3" Loading, Add	*2,511.65*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM, 3 Stops, 3 Openings	236,596.01	
		For Each Additional Stop, Add	*25,553.40*	
		For 2 Stops, Deduct	*-15,597.73*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*2,769.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,529.39*	
		For Class "C-2" Loading, Add	*1,836.00*	
		For Class "C-3" Loading, Add	*2,511.65*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM, 3 Stops, 3 Openings	243,076.42	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional 50 FPM, Add	*2,769.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For 2 Stops, Deduct	*-16,597.73*	
		For Class "C-1" Loading, Add	*3,058.78*	
		For Class "C-2" Loading, Add	*3,672.00*	
		For Class "C-3" Loading, Add	*5,089.39*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*20,521.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM, 3 Stops, 3 Openings	256,665.33	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For 2 Stops, Deduct	*-16,597.73*	
		For Class "C-1" Loading, Add	*3,058.78*	
		For Class "C-2" Loading, Add	*3,672.00*	
		For Class "C-3" Loading, Add	*5,089.39*	
		For Each Additional 50 FPM, Add	*13,847.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*	
		For Stainless Steel Cab Interior, Add	*8,262.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM, 3 Stops, 3 Openings	263,182.78	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For 2 Stops, Deduct	*-16,597.73*	
		For Class "C-1" Loading, Add	*3,058.78*	
		For Class "C-2" Loading, Add	*3,672.00*	
		For Class "C-3" Loading, Add	*5,089.39*	
		For Each Additional 50 FPM, Add	*13,847.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*	
		For Stainless Steel Cab Interior, Add	*8,262.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM, 3 Stops, 3 Openings	273,023.64	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For 2 Stops, Deduct	*-16,597.73*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*	
		For Stainless Steel Cab Interior, Add	*8,262.00*	
		For Each Additional 50 FPM, Add	*15,231.70*	
		For Class "C-1" Loading, Add	*7,646.94*	
		For Class "C-2" Loading, Add	*9,180.00*	
		For Class "C-3" Loading, Add	*12,558.24*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM, 3 Stops, 3 Openings	280,181.79	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For 2 Stops, Deduct	*-16,597.73*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*	
		For Stainless Steel Cab Interior, Add	*8,262.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
		For Each Additional 50 FPM, Add	*16,616.40*	
		For Class "C-1" Loading, Add	*10,170.52*	
		For Class "C-2" Loading, Add	*12,209.40*	
		For Class "C-3" Loading, Add	*16,702.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM, 3 Stops, 3 Openings	292,388.13	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For 2 Stops, Deduct	*-16,597.73*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,590.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,426.00*	
		For Stainless Steel Cab Interior, Add	*8,262.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*8,208.57*	
		For Removal Of Existing Elevator, Add	*30,782.15*	
		For Each Additional 50 FPM, Add	*16,616.40*	
		For Class "C-1" Loading, Add	*10,170.52*	
		For Class "C-2" Loading, Add	*12,209.40*	
		For Class "C-3" Loading, Add	*16,702.09*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling Note: Includes casing.	94.91	
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling Note: Includes casing.	113.42	

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM, 3 Stops, 3 Openings	155,463.36	
		For Each Additional Stop, Add	*25,553.40*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM, 3 Stops, 3 Openings	158,232.76	
		For Each Additional Stop, Add	*25,553.40*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM, 3 Stops, 3 Openings	160,136.72	
		For Each Additional Stop, Add	*25,553.40*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 LB x 100 FPM, 3 Stops, 3 Openings	167,667.57	
		For Each Additional Stop, Add	*25,553.40*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 LB x 100 FPM, 3 Stops, 3 Openings	170,755.62	
		For Each Additional Stop, Add	*25,553.40*	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 LB x 100 FPM, 3 Stops, 3 Openings	174,805.87	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 LB x 100 FPM, 3 Stops, 3 Openings	179,114.90	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Each Opening With Two Speed Doors, Add	*830.82*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,672.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,508.00*	
		For Stainless Steel Cab Interior, Add	*7,344.00*	
		For Each Additional Stop, Add	*26,938.10*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*298.03*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*52.88*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*82.62*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,711.89*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Removal Of Existing Stop, Add	*4,104.28*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	133,629.33	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,213.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,590.00*	
		For Stainless Steel Cab Interior, Add	*5,508.00*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Each Additional Stop, Add	*27,064.76*	
		For An Additional 25 FPM, Add	*2,333.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	138,601.38	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,213.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,590.00*	
		For Stainless Steel Cab Interior, Add	*5,508.00*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Each Additional Stop, Add	*27,064.76*	
		For An Additional 25 FPM, Add	*2,333.22*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	143,381.50	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,213.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,590.00*	
		For Stainless Steel Cab Interior, Add	*5,508.00*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Each Additional Stop, Add	*27,064.76*	
		For An Additional 25 FPM, Add	*2,333.22*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	166,088.23	
		For Each Opening With Bonderized Steel Door, Add	*276.94*	
		For Each Opening With Stainless Steel Doors, Add	*692.35*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,213.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,590.00*	
		For Stainless Steel Cab Interior, Add	*5,508.00*	
		For Removal Of Existing Elevator, Add	*20,521.42*	
		For Each Additional Stop, Add	*27,064.76*	
		For An Additional 25 FPM, Add	*2,333.22*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 LB x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	96,567.02	
		For Each Additional Stop, Add	*16,265.60*	
		For Removal Of Existing Elevator, Add	*6,156.43*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for addtional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,486.09	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,709.52	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,796.45	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	939.78	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,660.57	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	4,645.73	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,413.20	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,093.03	
14 27 16 00-0006	EA	Bi-Parting Doors	11,048.70	
14 27 16 00-0007	EA	Power Operated Door And Gate	33,011.75	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passanger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	8,982.07	1,170.16
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	13,598.37	1,753.99
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	20,852.12	2,338.64
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	29,179.46	2,968.24
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	40,387.73	3,507.93
14 28 16 00-0007	EA	Duplex Care Selective Collective	8,440.95	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	5,282.67	
14 28 16 00-0009	EA	Manual Emergency Power Switching	933.98	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	224.21	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	188.58	
14 28 16 00-0012	EA	High Speed Heavy Duty Door Opener	3,187.25	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	55,565.27	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	90,743.92	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	125,765.60	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	23,372.45	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	28,703.85	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	31,717.25	

14 30 Escalators and Moving Walks *(14)*

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	152,196.82	12,935.65
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	168,573.08	15,287.59
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	183,577.24	17,639.53
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	202,911.36	21,167.43
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	224,060.15	23,519.36
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	160,954.61	13,758.83
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	178,601.47	16,463.56
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	193,587.48	18,815.49
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	218,125.35	23,636.96
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	235,053.99	25,400.92
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	170,094.80	14,582.01
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	189,316.66	17,639.53
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	203,913.59	19,991.46
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	234,377.44	24,930.52
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	248,766.96	27,282.46
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	22,500.99	470.38

14 32 Moving Walks *(14 30)*

14 32 00 00-0001 Moving Sidewalks *(14 32)*

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide	1,603.06	282.23
		For Each LF Of Ramp Or Sloped Sections, Add	*252.88*	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide	2,143.07	288.11
		For Each LF Of Ramp Or Sloped Sections, Add	*359.48*	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide	2,417.17	299.88
		For Each LF Of Ramp Or Sloped Sections, Add	*411.48*	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide	2,779.61	325.28
		For Each LF Of Ramp Or Sloped Sections, Add	*477.86*	

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	28,590.64	
		For An Additional Stop, Add	*816.78*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,430.88*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,075.86	
		For An Additional Stop, Add	*816.78*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,609.10*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	31,561.09	
		For An Additional Stop, Add	*816.78*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,787.33*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	7,614.53	995.78

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	14,290.73	1,493.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16		**Vertical Wheelchair Lifts** *(14 42)*		
14 42 16 00-0001		Wheelchair Lift (Shorty) *(14 42 16)*		
14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	8,861.81	697.05
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	*1,002.44*	
		For Removable Handrails, Add	*102.16*	
		For Power Operated Ramp, Add	*893.90*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	10,898.48	871.30
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	*600.19*	
		For 3,000 LB Capacity, Add	*1,002.44*	
		For 4,000 LB Capacity, Add	*1,500.48*	
		For Accordion Safety Skirt, Add	*1,002.44*	
		For Removable Handrails, Add	*102.16*	
		For Power Operated Ramp, Add	*893.90*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	12,986.16	1,132.69
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	*600.19*	
		For 3,000 LB Capacity, Add	*1,002.44*	
		For 4,000 LB Capacity, Add	*1,500.48*	
		For Accordion Safety Skirt, Add	*1,002.44*	
		For Removable Handrails, Add	*102.16*	
		For Power Operated Ramp, Add	*893.90*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	14,588.65	1,306.95
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	*600.19*	
		For 3,000 LB Capacity, Add	*1,002.44*	
		For 4,000 LB Capacity, Add	*1,500.48*	
		For Accordion Safety Skirt, Add	*1,002.44*	
		For Removable Handrails, Add	*102.16*	
		For Power Operated Ramp, Add	*893.90*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	15,125.36	622.36
		Note: 500 LB capacity, interior installation.		

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001		Trash Chutes *(14 91 82)*		
14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	40.96	4.57
		For Aluminum, Add	*3.22*	
		For Stainless Steel, Add	*11.28*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	53.10	4.57
		For Aluminum, Add	*4.36*	
		For Stainless Steel, Add	*15.26*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	58.61	5.72
		For Aluminum, Add	*4.83*	
		For Stainless Steel, Add	*16.92*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	90.77	5.72
		For Aluminum, Add	*7.96*	
		For Stainless Steel, Add	*27.87*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	771.40	32.00
		For Aluminum, Add	*70.70*	
		For Stainless Steel, Add	*247.45*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	371.90	62.85
		For Aluminum, Add	*24.59*	
		For Stainless Steel, Add	*86.07*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	252.47	68.56
		For Aluminum, Add	*10.76*	
		For Stainless Steel, Add	*37.66*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	66.74	23.99
		For Aluminum, Add	*1.84*	
		For Stainless Steel, Add	*6.45*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	636.05	85.70
		For Aluminum, Add	*45.49*	
		For Stainless Steel, Add	*159.23*	
14 91 82 00-0011	EA	Hopper Doors	1,507.30	75.33

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration *(21 01 10)*

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	608.69
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	365.22
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	146.09
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	73.04

21 01 10 91-0006 Purge And Refill System Sprinkler Piping *(21 01 10 91)*

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	377.95
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	539.78
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	646.76
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	808.45
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	1,050.99
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	0.52
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	529.12
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	755.70
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	905.47
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,131.83
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,471.39
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	0.74
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	727.54
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,039.09
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,245.03
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,556.27
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	2,023.16
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1.01
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	982.19
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,402.76
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,489.23
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,861.52
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	2,419.99
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1.21

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 91 Fire-Suppression Equipment Restoration *(21 01 30)*

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	261.74
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	2.91
21 01 30 91-0004	EA	Inspection, Halon 1301	261.74
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	69.86
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	158.26
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	65.50
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	158.26
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	5.82
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	48.70
21 01 30 91-0011	EA	Disarm/Arm System	85.22

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	50.26	13.73
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	52.13	13.73
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	60.87	13.73
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	64.46	13.73
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	68.05	13.73

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	7,489.35	179.75
		For >10 To 25, Deduct	*-374.47*	
		For >25, Deduct	*-1,100.91*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	15,301.66	301.33
		For >10 To 25, Deduct	*-765.08*	
		For >25, Deduct	*-2,257.49*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,743.20	450.88
		For >10 To 25, Deduct	*-1,037.16*	
		For >25, Deduct	*-3,054.92*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,060.13	576.12
		For >10 To 25, Deduct	*-1,353.01*	
		For >25, Deduct	*-3,987.45*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	38,158.02	701.37
		For >10 To 25, Deduct	*-1,907.90*	
		For >25, Deduct	*-5,636.03*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves *(21 05 23)*

21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	62.90	11.48
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	80.12	12.05
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	110.40	12.05
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	166.34	15.28
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD	195.77	17.68
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	231.92	20.89

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	509.63	18.72
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	559.77	22.42
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	586.91	29.50
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	833.44	48.32
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	1,199.79	67.98

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	511.94	15.12
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	521.27	18.72
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	575.30	22.42
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	596.61	29.50
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	831.50	48.32
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,236.68	67.98
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,915.19	91.88

21 05 23 00-0024 Check Valves *(21 05 23)*

21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	222.49	11.48
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	262.79	12.05
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	359.50	12.05
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	478.79	15.28
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	627.69	17.68
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	916.70	20.89

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032		**Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	972.73	153.31
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,104.79	179.75
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,544.45	301.33
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,331.63	372.27
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	3,696.28	475.68
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	5,844.77	579.08
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	8,157.85	703.16
21 05 23 00-0040		**Iron Body Wafer Type Check Valve** *(21 05 23 00-0024)*		
21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	761.45	153.40
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	877.29	179.85
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,048.92	301.50
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,713.72	423.17
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	2,515.78	486.64
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	3,676.24	52.90
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	5,018.20	719.38
21 05 23 00-0048		**Grooved End, Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717)	452.42	19.03
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717)	457.56	22.52
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717)	485.28	29.61
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717)	1,445.14	48.32
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717)	2,007.86	67.98
21 05 23 00-0054		**Gate Valves** *(21 05 23)*		
21 05 23 00-0055		**Threaded, Bronze Gate Valves** *(21 05 23 00-0054)*		
		Note: Class 175		
21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459)	694.04	14.35
21 05 23 00-0057	EA	1-1/4" Threaded, Bronze Gate Valve (Crane 459)	848.50	15.28
21 05 23 00-0058	EA	1-1/2" Threaded, Bronze Gate Valve (Crane 459)	1,009.53	17.68
21 05 23 00-0059	EA	2" Threaded, Bronze Gate Valve (Crane 459)	1,259.70	20.89
21 05 23 00-0060		**Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(21 05 23 00-0054)*		
		Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,327.10	153.31
21 05 23 00-0062	EA	3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,563.47	179.75
21 05 23 00-0063	EA	4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,174.01	301.33
21 05 23 00-0064	EA	6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	3,262.00	372.27
21 05 23 00-0065	EA	8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,824.13	475.68
21 05 23 00-0066	EA	10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	8,853.23	579.08
21 05 23 00-0067	EA	12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	12,054.60	703.16
21 05 23 00-0068		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)*		
		Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,299.49	153.31
21 05 23 00-0070	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,678.50	179.75
21 05 23 00-0071	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,188.51	301.33
21 05 23 00-0072	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,117.84	372.27
21 05 23 00-0073	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	6,168.47	475.68
21 05 23 00-0074	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	8,939.16	579.08
21 05 23 00-0075	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	11,573.88	703.16
21 05 23 00-0076		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)*		
		Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,153.53	179.75
21 05 23 00-0078	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,681.96	301.33
21 05 23 00-0079	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,451.04	372.27
21 05 23 00-0080	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	5,232.73	475.68
21 05 23 00-0081	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	7,938.95	579.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	9,997.13	703.16
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	449.61	14.35
21 05 23 00-0086	EA	1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	490.55	15.28
21 05 23 00-0087	EA	1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	580.02	17.68
21 05 23 00-0088	EA	2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	697.95	20.89
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	240.58	15.83
21 05 23 00-0091	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000)	271.88	19.13
21 05 23 00-0092	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	332.52	24.18
21 05 23 00-0093	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	517.94	27.92
21 05 23 00-0094	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000)	544.84	32.97
21 05 23 00-0095	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	381.30	19.13
21 05 23 00-0096	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	440.87	24.18
21 05 23 00-0097	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	629.59	27.92
21 05 23 00-0098	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	659.46	32.97
21 05 23 00-0099		Air Release Valves For Wet Fire Sprinkler Systems *(21 05 23)*		
21 05 23 00-0100	EA	1/2" NPT, Automatic Air Vent Assembly For Wet Fire Sprinkler Systems (Tyco TAV-W)	1,333.23	52.84
21 05 23 00-0101	EA	1/2" NPT, Automatic Air Vent For Wet Fire Sprinkler Systems (Potter PAV)	441.81	38.48
21 05 23 00-0102	EA	1/2" NPT, Automatic Float Type Air Release Valve With Shutoff Valve, Strainer, Unions, And Containment Pan (Potter PAAR-B)	1,272.11	51.69
21 05 23 00-0103	EA	1" NPT x Hose Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7900AAV)	482.53	34.46
21 05 23 00-0104	EA	2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-20)	978.66	56.86
21 05 23 00-0105	EA	2-1/2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-25)	1,051.20	78.97
21 05 23 00-0106	EA	3" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-30)	1,102.82	88.45
21 05 23 00-0107	EA	4" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-40)	1,129.61	94.76
21 05 23 00-0108	EA	1/2" PURGEnVENT Manual Air Vent Valve For Wet Fire Sprinkler Systems (AGF Manufacturing 7910MAV)	106.95	38.48

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppresion Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001		Fire Department Connections *(21 11 19)*		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,058.36	353.93
		For Polished Chrome, Add	*65.27*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,469.83	442.41
		For Polished Chrome, Add	*99.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,548.80	353.93
		For Polished Chrome, Add	*126.55*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,045.30	442.41
		For Polished Chrome, Add	*171.84*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,185.98	442.41
		For Polished Chrome, Add	*189.43*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,877.85	468.24
		For Polished Chrome, Add	*146.09*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,206.75	353.93
		For Polished Chrome, Add	*83.82*	
21 11 19 00-0009		Wall Type Indicator Post, Wheel Operated *(21 11 19)*		
		See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	2,326.61	301.33
21 11 19 00-0011		Upright Indicator Post, Wheel Operated *(21 11 19)*		
21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)	6,880.23	301.33

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.09	2.44
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.57	2.44
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.27	2.44
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.80	2.44
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.42	2.44
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	4.17	2.44
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.51	2.44
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	4.38	2.44

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	8.51	1.34
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	10.67	1.58
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	18.36	1.58

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	278.77	40.18
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	444.01	45.04
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	96.27	31.65
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	185.68	31.65
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	148.26	31.65
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	211.12	31.65
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	335.65	133.91
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	457.33	133.91

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	820.26	234.12
		For Polished Chrome, Add	*69.85*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,371.51	234.01
		For Polished Chrome, Add	*152.54*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,786.23	253.13
		For Polished Chrome, Add	*210.39*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	2,165.87	234.01
		For Polished Chrome, Add	*271.70*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	2,551.81	253.13
		For Polished Chrome, Add	*325.23*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,287.08	234.01
		For Polished Chrome, Add	*139.88*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,918.62	253.13
		For Polished Chrome, Add	*230.25*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	2,486.26	241.59
		For Polished Chrome, Add	*254.43*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	3,587.06	268.41
		For Polished Chrome, Add	*381.64*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	2,676.22	241.59
		For Polished Chrome, Add	*277.22*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	3,873.26	268.41
		For Polished Chrome, Add	*415.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	13,655.62	322.05
		For Polished Chrome, Add	*1,316.76*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	235.84	32.87
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	280.89	32.87
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	264.51	32.87
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	309.56	32.87
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	419.11	54.78
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	484.64	54.78
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	490.10	54.78
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	555.64	54.78

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	4,461.98	580.35
21 12 29 00-0003	EA	Water Motor Gong	1,602.97	179.65
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	1,552.21	20.90
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	251.28	35.75

21 12 29 00-0006 Water Flow Detector *(21 12 29)*

21 12 29 00-0007 Pressure-Type Wazter Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	404.91	110.01
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	586.84	145.77
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	910.74	165.02

21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	504.95	110.01
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	709.40	145.77
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	1,105.04	165.02

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,023.51
		Note: Includes branch pipe and fittings, supports and sprinkler heads.	
		For Copper Pipe, Add	*134.01*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-185.19*
		For Up To 5, Add	*448.43*
		For >5 To 10, Add	*263.25*
		For >10 To 20, Add	*160.90*
		For >20 To 40, Add	*70.69*
		For >100 To 150, Deduct	*-102.35*
		For >150, Deduct	*-204.70*
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,259.70
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	
		For Copper Pipe, Add	*160.22*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-223.20*
		For Up To 5, Add	*561.35*
		For >5 To 10, Add	*338.15*
		For >10 To 20, Add	*212.18*
		For >20 To 40, Add	*91.72*
		For >100 To 150, Deduct	*-125.97*
		For >150, Deduct	*-251.94*
		For Work In Restricted Working Space, Add	*172.42*

21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	999.22	
		For Copper Pipe, Add	*130.60*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-180.56*	
		For Up To 5, Add	*438.25*	
		For >5 To 10, Add	*257.69*	
		For >10 To 20, Add	*157.76*	
		For >20 To 40, Add	*69.24*	
		For >100 To 150, Deduct	*-99.92*	
		For >150, Deduct	*-199.84*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,225.18	
		For Copper Pipe, Add	*155.42*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-216.68*	
		For Up To 5, Add	*546.79*	
		For >5 To 10, Add	*330.11*	
		For >10 To 20, Add	*207.59*	
		For >20 To 40, Add	*89.62*	
		For >100 To 150, Deduct	*-122.52*	
		For >150, Deduct	*-245.04*	
		For Work In Restricted Working Space, Add	*170.15*	
21 13 13 00-0008		**Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies** *(21 13 13 00-0001)*		
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	921.10	
		For Copper Pipe, Add	*120.21*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-166.26*	
		For Up To 5, Add	*404.35*	
		For >5 To 10, Add	*238.09*	
		For >10 To 20, Add	*145.98*	
		For >20 To 40, Add	*64.01*	
		For >100 To 150, Deduct	*-92.11*	
		For >150, Deduct	*-184.22*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,132.00	
		For Copper Pipe, Add	*143.38*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-199.98*	
		For Up To 5, Add	*505.64*	
		For >5 To 10, Add	*305.65*	
		For >10 To 20, Add	*192.45*	
		For >20 To 40, Add	*83.02*	
		For >100 To 150, Deduct	*-113.20*	
		For >150, Deduct	*-226.40*	
		For Work In Restricted Working Space, Add	*158.51*	
21 13 13 00-0011		**Wet Pipe Sprinkler Components** *(21 13 13)* Note: Excludes hydraulic calculations.		
21 13 13 00-0012		**Wet Pipe Alarm Check Valves** *(21 13 13 00-0011)* Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Wet Pipe Alarm Check Valve	1,998.32	151.27
21 13 13 00-0014	EA	3" Wet Pipe Alarm Check Valve	2,042.33	173.27
21 13 13 00-0015	EA	4" Wet Pipe Alarm Check Valve	2,284.36	294.29
21 13 13 00-0016	EA	6" Wet Pipe Alarm Check Valve	2,204.49	371.30
21 13 13 00-0017	EA	8" Wet Pipe Alarm Check Valve	3,939.54	470.31
21 13 13 00-0018		**Wet Pipe Valve Trim** *(21 13 13 00-0011)* Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Wet Pipe Valve Trim	1,822.60	320.14
21 13 13 00-0020	EA	3" Wet Pipe Valve Trim	1,927.87	320.14
21 13 13 00-0021	EA	4" Wet Pipe Valve Trim	2,316.02	438.95
21 13 13 00-0022	EA	6" Wet Pipe Valve Trim	2,707.34	610.57
21 13 13 00-0023	EA	8" Wet Pipe Valve Trim	2,949.37	755.79
21 13 13 00-0024		**Wet Pipe Sprinkler Heads** *(21 13 13 00-0011)*		
21 13 13 00-0025		**Upright Wet Pipe Sprinkler Heads** *(21 13 13 00-0024)*		
21 13 13 00-0026	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	85.43	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.05*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-35.65*	
21 13 13 00-0027	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	88.55	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 500, Deduct	*-12.44*	
		For >500 To 1,000, Deduct	*-25.25*	
		For >1,000, Deduct	*-36.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0028	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	90.54	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-12.69*	
		For >500 To 1,000, Deduct	*-25.61*	
		For >1,000, Deduct	*-36.57*	
21 13 13 00-0029	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	87.00	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.09*	
		For >100 To 500, Deduct	*-12.24*	
		For >500 To 1,000, Deduct	*-24.97*	
		For >1,000, Deduct	*-35.93*	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	90.24	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.25*	
		For >100 To 500, Deduct	*-12.65*	
		For >500 To 1,000, Deduct	*-25.56*	
		For >1,000, Deduct	*-36.51*	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	92.32	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.91*	
		For >500 To 1,000, Deduct	*-25.93*	
		For >1,000, Deduct	*-36.89*	
21 13 13 00-0032	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	107.44	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-28.65*	
		For >1,000, Deduct	*-39.61*	
21 13 13 00-0033	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	115.80	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-15.84*	
		For >500 To 1,000, Deduct	*-30.16*	
		For >1,000, Deduct	*-41.11*	
21 13 13 00-0034	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	107.44	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-28.65*	
		For >1,000, Deduct	*-39.61*	
21 13 13 00-0035	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	115.80	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-15.84*	
		For >500 To 1,000, Deduct	*-30.16*	
		For >1,000, Deduct	*-41.11*	
21 13 13 00-0036	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	96.61	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.57*	
		For >100 To 500, Deduct	*-13.45*	
		For >500 To 1,000, Deduct	*-26.70*	
		For >1,000, Deduct	*-37.66*	
21 13 13 00-0037	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	100.69	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 500, Deduct	*-13.96*	
		For >500 To 1,000, Deduct	*-27.44*	
		For >1,000, Deduct	*-38.39*	
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	98.15	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 500, Deduct	*-13.79*	
		For >500 To 1,000, Deduct	*-28.01*	
		For >1,000, Deduct	*-40.19*	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	102.92	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-14.39*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-41.05*	
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	103.89	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-14.51*	
		For >500 To 1,000, Deduct	*-29.05*	
		For >1,000, Deduct	*-41.22*	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	98.15	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 500, Deduct	*-13.79*	
		For >500 To 1,000, Deduct	*-28.01*	
		For >1,000, Deduct	*-40.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	102.92	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-14.39*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-41.05*	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	103.89	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-14.51*	
		For >500 To 1,000, Deduct	*-29.05*	
		For >1,000, Deduct	*-41.22*	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	94.45	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-18.18*	
		For >500 To 1,000, Deduct	*-26.31*	
		For >1,000, Deduct	*-37.27*	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	97.57	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-13.57*	
		For >500 To 1,000, Deduct	*-26.88*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.17	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.98*	
		For >1,000, Deduct	*-37.94*	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	94.45	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.18*	
		For >500 To 1,000, Deduct	*-26.31*	
		For >1,000, Deduct	*-37.27*	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	97.57	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-13.57*	
		For >500 To 1,000, Deduct	*-26.88*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.17	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.98*	
		For >1,000, Deduct	*-37.94*	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	98.16	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.98*	
		For >1,000, Deduct	*-37.94*	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	131.63	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-9.63*	
		For >100 To 500, Deduct	*-17.98*	
		For >500 To 1,000, Deduct	*-34.04*	
		For >1,000, Deduct	*-46.22*	
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	135.22	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-9.80*	
		For >100 To 500, Deduct	*-18.42*	
		For >500 To 1,000, Deduct	*-34.69*	
		For >1,000, Deduct	*-46.86*	
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	135.22	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-9.80*	
		For >100 To 500, Deduct	*-18.42*	
		For >500 To 1,000, Deduct	*-34.69*	
		For >1,000, Deduct	*-46.86*	
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	107.41	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-29.68*	
		For >1,000, Deduct	*-41.86*	
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	109.87	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-15.26*	
		For >500 To 1,000, Deduct	*-30.12*	
		For >1,000, Deduct	*-42.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	109.87	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-15.26*	
		For >500 To 1,000, Deduct	*-30.12*	
		For >1,000, Deduct	*-42.30*	
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	310.56	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-18.27*	
		For >100 To 500, Deduct	*-40.19*	
		For >500 To 1,000, Deduct	*-65.21*	
		For >1,000, Deduct	*-76.17*	
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	342.00	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-20.14*	
		For >100 To 500, Deduct	*-44.27*	
		For >500 To 1,000, Deduct	*-71.91*	
		For >1,000, Deduct	*-84.08*	
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	166.78	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-11.08*	
		For >100 To 500, Deduct	*-22.22*	
		For >500 To 1,000, Deduct	*-39.33*	
		For >1,000, Deduct	*-50.29*	
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	204.24	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-12.95*	
		For >100 To 500, Deduct	*-26.90*	
		For >500 To 1,000, Deduct	*-46.08*	
		For >1,000, Deduct	*-57.03*	
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	360.89	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-20.78*	
		For >100 To 500, Deduct	*-46.48*	
		For >500 To 1,000, Deduct	*-74.27*	
		For >1,000, Deduct	*-85.23*	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	458.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-25.66*	
		For >100 To 500, Deduct	*-58.68*	
		For >500 To 1,000, Deduct	*-91.84*	
		For >1,000, Deduct	*-102.80*	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	210.33	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-13.56*	
		For >100 To 500, Deduct	*-27.81*	
		For >500 To 1,000, Deduct	*-48.21*	
		For >1,000, Deduct	*-60.38*	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	211.46	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-13.62*	
		For >100 To 500, Deduct	*-27.95*	
		For >500 To 1,000, Deduct	*-48.41*	
		For >1,000, Deduct	*-60.58*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	85.43	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.05*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-35.65*	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	88.55	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 500, Deduct	*-12.44*	
		For >500 To 1,000, Deduct	*-25.25*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	90.54	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-12.69*	
		For >500 To 1,000, Deduct	*-25.61*	
		For >1,000, Deduct	*-36.57*	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	99.26	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 500, Deduct	*-13.93*	
		For >500 To 1,000, Deduct	*-28.21*	
		For >1,000, Deduct	*-40.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	102.92	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-14.39*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-41.05*	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	103.49	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.22*	
		For >100 To 500, Deduct	*-14.46*	
		For >500 To 1,000, Deduct	*-28.98*	
		For >1,000, Deduct	*-41.15*	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	310.56	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-18.27*	
		For >100 To 500, Deduct	*-40.19*	
		For >500 To 1,000, Deduct	*-65.21*	
		For >1,000, Deduct	*-76.17*	
21 13 13 00-0073		**Pendant Wet Pipe Sprinkler Heads** *(21 13 13 00-0024)*		
		See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.		
21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	85.43	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.05*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-35.65*	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	88.55	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 500, Deduct	*-12.44*	
		For >500 To 1,000, Deduct	*-25.25*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	90.54	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-12.69*	
		For >500 To 1,000, Deduct	*-25.61*	
		For >1,000, Deduct	*-36.57*	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	98.15	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 500, Deduct	*-13.79*	
		For >500 To 1,000, Deduct	*-28.01*	
		For >1,000, Deduct	*-40.19*	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	102.92	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-14.39*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-41.05*	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	103.89	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-14.51*	
		For >500 To 1,000, Deduct	*-29.05*	
		For >1,000, Deduct	*-41.22*	
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	94.45	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.18*	
		For >500 To 1,000, Deduct	*-26.31*	
		For >1,000, Deduct	*-37.27*	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	97.57	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-13.57*	
		For >500 To 1,000, Deduct	*-26.88*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.17	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.98*	
		For >1,000, Deduct	*-37.94*	
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	94.45	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.18*	
		For >500 To 1,000, Deduct	*-26.31*	
		For >1,000, Deduct	*-37.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	97.57	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-13.57*	
		For >500 To 1,000, Deduct	*-26.88*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.17	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.98*	
		For >1,000, Deduct	*-37.94*	
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	94.45	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.18*	
		For >500 To 1,000, Deduct	*-26.31*	
		For >1,000, Deduct	*-37.27*	
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.57	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-13.57*	
		For >500 To 1,000, Deduct	*-26.88*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	98.17	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.98*	
		For >1,000, Deduct	*-37.94*	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	85.43	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.05*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-35.65*	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	88.55	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 500, Deduct	*-12.44*	
		For >500 To 1,000, Deduct	*-25.25*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	90.54	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-12.69*	
		For >500 To 1,000, Deduct	*-25.61*	
		For >1,000, Deduct	*-36.57*	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	87.00	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.09*	
		For >100 To 500, Deduct	*-12.24*	
		For >500 To 1,000, Deduct	*-24.97*	
		For >1,000, Deduct	*-35.93*	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	89.21	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 500, Deduct	*-12.52*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-36.33*	
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	91.23	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.30*	
		For >100 To 500, Deduct	*-12.77*	
		For >500 To 1,000, Deduct	*-25.73*	
		For >1,000, Deduct	*-36.69*	
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	101.10	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 500, Deduct	*-14.16*	
		For >500 To 1,000, Deduct	*-28.55*	
		For >1,000, Deduct	*-40.72*	
21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	105.15	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 500, Deduct	*-14.67*	
		For >500 To 1,000, Deduct	*-29.27*	
		For >1,000, Deduct	*-41.45*	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.15	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 500, Deduct	*-14.67*	
		For >500 To 1,000, Deduct	*-29.27*	
		For >1,000, Deduct	*-41.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	96.61	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.57*	
		For >100 To 500, Deduct	*-13.45*	
		For >500 To 1,000, Deduct	*-26.70*	
		For >1,000, Deduct	*-37.66*	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	100.69	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 500, Deduct	*-13.96*	
		For >500 To 1,000, Deduct	*-27.44*	
		For >1,000, Deduct	*-38.39*	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	106.81	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.08*	
		For >100 To 500, Deduct	*-14.72*	
		For >500 To 1,000, Deduct	*-28.54*	
		For >1,000, Deduct	*-39.49*	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	113.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-29.74*	
		For >1,000, Deduct	*-40.70*	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	106.81	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.08*	
		For >100 To 500, Deduct	*-14.72*	
		For >500 To 1,000, Deduct	*-28.54*	
		For >1,000, Deduct	*-39.49*	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	113.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-29.74*	
		For >1,000, Deduct	*-40.70*	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	91.32	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 500, Deduct	*-12.78*	
		For >500 To 1,000, Deduct	*-25.75*	
		For >1,000, Deduct	*-36.71*	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	94.84	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.22*	
		For >500 To 1,000, Deduct	*-26.38*	
		For >1,000, Deduct	*-37.34*	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	96.67	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.57*	
		For >100 To 500, Deduct	*-13.45*	
		For >500 To 1,000, Deduct	*-26.71*	
		For >1,000, Deduct	*-37.67*	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	99.63	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 500, Deduct	*-13.98*	
		For >500 To 1,000, Deduct	*-28.28*	
		For >1,000, Deduct	*-40.46*	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	103.10	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-28.91*	
		For >1,000, Deduct	*-41.08*	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	106.46	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-14.83*	
		For >500 To 1,000, Deduct	*-29.51*	
		For >1,000, Deduct	*-41.68*	
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	93.31	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.03*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-37.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	96.75	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 500, Deduct	*-13.46*	
		For >500 To 1,000, Deduct	*-26.73*	
		For >1,000, Deduct	*-37.68*	
21 13 13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.63	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.70*	
		For >500 To 1,000, Deduct	*-27.07*	
		For >1,000, Deduct	*-38.02*	
21 13 13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	101.10	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 500, Deduct	*-14.16*	
		For >500 To 1,000, Deduct	*-28.55*	
		For >1,000, Deduct	*-40.72*	
21 13 13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	104.72	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 500, Deduct	*-14.61*	
		For >500 To 1,000, Deduct	*-29.20*	
		For >1,000, Deduct	*-41.37*	
21 13 13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	108.21	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 500, Deduct	*-15.05*	
		For >500 To 1,000, Deduct	*-29.83*	
		For >1,000, Deduct	*-42.00*	
21 13 13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	148.04	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-10.14*	
		For >100 To 500, Deduct	*-19.87*	
		For >500 To 1,000, Deduct	*-35.96*	
		For >1,000, Deduct	*-46.92*	
21 13 13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	148.04	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-10.14*	
		For >100 To 500, Deduct	*-19.87*	
		For >500 To 1,000, Deduct	*-35.96*	
		For >1,000, Deduct	*-46.92*	
21 13 13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	111.01	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.59*	
		For >100 To 500, Deduct	*-15.40*	
		For >500 To 1,000, Deduct	*-30.33*	
		For >1,000, Deduct	*-42.50*	
21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	113.65	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 500, Deduct	*-15.73*	
		For >500 To 1,000, Deduct	*-30.80*	
		For >1,000, Deduct	*-42.98*	
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	113.65	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 500, Deduct	*-15.73*	
		For >500 To 1,000, Deduct	*-30.80*	
		For >1,000, Deduct	*-42.98*	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	107.41	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-29.68*	
		For >1,000, Deduct	*-41.86*	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	109.87	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-15.26*	
		For >500 To 1,000, Deduct	*-30.12*	
		For >1,000, Deduct	*-42.30*	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.87	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-15.26*	
		For >500 To 1,000, Deduct	*-30.12*	
		For >1,000, Deduct	*-42.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	310.56	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-18.27*	
		For >100 To 500, Deduct	*-40.19*	
		For >500 To 1,000, Deduct	*-65.21*	
		For >1,000, Deduct	*-76.17*	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	342.00	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-20.14*	
		For >100 To 500, Deduct	*-44.27*	
		For >500 To 1,000, Deduct	*-71.91*	
		For >1,000, Deduct	*-84.08*	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	166.78	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-11.08*	
		For >100 To 500, Deduct	*-22.22*	
		For >500 To 1,000, Deduct	*-39.33*	
		For >1,000, Deduct	*-50.29*	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	204.24	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-12.95*	
		For >100 To 500, Deduct	*-26.90*	
		For >500 To 1,000, Deduct	*-46.08*	
		For >1,000, Deduct	*-57.03*	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	360.89	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-20.78*	
		For >100 To 500, Deduct	*-46.48*	
		For >500 To 1,000, Deduct	*-74.27*	
		For >1,000, Deduct	*-85.23*	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	458.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-25.66*	
		For >100 To 500, Deduct	*-58.68*	
		For >500 To 1,000, Deduct	*-91.84*	
		For >1,000, Deduct	*-102.80*	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	210.33	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-13.56*	
		For >100 To 500, Deduct	*-27.81*	
		For >500 To 1,000, Deduct	*-48.21*	
		For >1,000, Deduct	*-60.38*	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	211.46	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-13.62*	
		For >100 To 500, Deduct	*-27.95*	
		For >500 To 1,000, Deduct	*-48.41*	
		For >1,000, Deduct	*-60.58*	
21 13 13 00-0132		Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0133		Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*		
21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	90.10	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-12.63*	
		For >500 To 1,000, Deduct	*-25.53*	
		For >1,000, Deduct	*-36.49*	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	92.60	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-12.94*	
		For >500 To 1,000, Deduct	*-25.98*	
		For >1,000, Deduct	*-36.94*	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	96.55	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.57*	
		For >100 To 500, Deduct	*-13.44*	
		For >500 To 1,000, Deduct	*-26.69*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	91.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 500, Deduct	*-12.81*	
		For >500 To 1,000, Deduct	*-25.78*	
		For >1,000, Deduct	*-36.74*	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	94.06	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 500, Deduct	*-13.13*	
		For >500 To 1,000, Deduct	*-26.24*	
		For >1,000, Deduct	*-37.20*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	98.09	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-13.63*	
		For >500 To 1,000, Deduct	*-26.97*	
		For >1,000, Deduct	*-37.92*	
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	100.69	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.77*	
		For >100 To 500, Deduct	*-13.96*	
		For >500 To 1,000, Deduct	*-27.44*	
		For >1,000, Deduct	*-38.39*	
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	104.76	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.98*	
		For >100 To 500, Deduct	*-14.46*	
		For >500 To 1,000, Deduct	*-28.17*	
		For >1,000, Deduct	*-39.13*	
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	108.85	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.49*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-29.94*	
		For >1,000, Deduct	*-42.11*	
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	114.95	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.79*	
		For >100 To 500, Deduct	*-15.89*	
		For >500 To 1,000, Deduct	*-31.04*	
		For >1,000, Deduct	*-43.21*	
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.47	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.21*	
		For >100 To 500, Deduct	*-15.05*	
		For >500 To 1,000, Deduct	*-29.02*	
		For >1,000, Deduct	*-39.97*	
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	113.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-29.74*	
		For >1,000, Deduct	*-40.70*	
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.47	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.21*	
		For >100 To 500, Deduct	*-15.05*	
		For >500 To 1,000, Deduct	*-29.02*	
		For >1,000, Deduct	*-39.97*	
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	113.51	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-29.74*	
		For >1,000, Deduct	*-40.70*	
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	87.97	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.14*	
		For >100 To 500, Deduct	*-12.37*	
		For >500 To 1,000, Deduct	*-25.15*	
		For >1,000, Deduct	*-36.10*	
21 13 13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	90.04	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-12.62*	
		For >500 To 1,000, Deduct	*-25.52*	
		For >1,000, Deduct	*-36.48*	
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	92.61	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-12.95*	
		For >500 To 1,000, Deduct	*-25.98*	
		For >1,000, Deduct	*-36.94*	
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	96.48	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-27.71*	
		For >1,000, Deduct	*-39.89*	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	98.70	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.98*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-28.11*	
		For >1,000, Deduct	*-40.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	101.09	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 500, Deduct	*-14.16*	
		For >500 To 1,000, Deduct	*-28.54*	
		For >1,000, Deduct	*-40.72*	
21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	98.24	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-13.80*	
		For >500 To 1,000, Deduct	*-28.03*	
		For >1,000, Deduct	*-40.21*	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	100.54	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 500, Deduct	*-14.09*	
		For >500 To 1,000, Deduct	*-28.45*	
		For >1,000, Deduct	*-40.62*	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	103.03	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 500, Deduct	*-14.40*	
		For >500 To 1,000, Deduct	*-28.89*	
		For >1,000, Deduct	*-41.07*	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	103.07	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-28.90*	
		For >1,000, Deduct	*-41.07*	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	106.46	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-14.83*	
		For >500 To 1,000, Deduct	*-29.51*	
		For >1,000, Deduct	*-41.68*	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	106.46	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-14.83*	
		For >500 To 1,000, Deduct	*-29.51*	
		For >1,000, Deduct	*-41.68*	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	170.56	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-11.27*	
		For >100 To 500, Deduct	*-22.69*	
		For >500 To 1,000, Deduct	*-40.01*	
		For >1,000, Deduct	*-50.97*	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	170.56	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-11.27*	
		For >100 To 500, Deduct	*-22.69*	
		For >500 To 1,000, Deduct	*-40.01*	
		For >1,000, Deduct	*-50.97*	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	88.83	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-25.30*	
		For >1,000, Deduct	*-36.26*	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	88.83	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-25.30*	
		For >1,000, Deduct	*-36.26*	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	88.83	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-25.30*	
		For >1,000, Deduct	*-36.26*	
21 13 13 00-0165		Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*		
21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	93.34	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 500, Deduct	*-13.04*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-37.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	96.46	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.56*	
		For >100 To 500, Deduct	*-13.43*	
		For >500 To 1,000, Deduct	*-26.68*	
		For >1,000, Deduct	*-37.63*	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	97.80	13.69
		For >25 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-7.63*	
		For >100 To 500, Deduct	*-13.59*	
		For >500 To 1,000, Deduct	*-26.92*	
		For >1,000, Deduct	*-37.87*	
21 13 13 00-0169		Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0170		Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes coverplate	134.37	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-10.37*	
		For >100 To 500, Deduct	*-18.62*	
		For >500 To 1,000, Deduct	*-36.60*	
		For >1,000, Deduct	*-51.21*	
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	97.76	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-14.05*	
		For >500 To 1,000, Deduct	*-30.01*	
		For >1,000, Deduct	*-44.62*	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	99.10	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-30.25*	
		For >1,000, Deduct	*-44.86*	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	123.34	19.79
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-17.40*	
		For >500 To 1,000, Deduct	*-35.65*	
		For >1,000, Deduct	*-51.48*	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	117.25	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-33.52*	
		For >1,000, Deduct	*-48.13*	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	117.25	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-33.52*	
		For >1,000, Deduct	*-48.13*	
21 13 13 00-0177	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	123.34	19.79
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-17.40*	
		For >500 To 1,000, Deduct	*-35.65*	
		For >1,000, Deduct	*-51.48*	
21 13 13 00-0178	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	108.68	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-15.41*	
		For >500 To 1,000, Deduct	*-31.98*	
		For >1,000, Deduct	*-46.59*	
21 13 13 00-0179	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	117.25	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-33.52*	
		For >1,000, Deduct	*-48.13*	
21 13 13 00-0180	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	117.25	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-16.48*	
		For >500 To 1,000, Deduct	*-33.52*	
		For >1,000, Deduct	*-48.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0181	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	110.71	18.27
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.19*	
		For >100 To 500, Deduct	*-15.66*	
		For >500 To 1,000, Deduct	*-32.34*	
		For >1,000, Deduct	*-46.95*	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	180.47	21.31
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-4.26*	
		For >50 To 100, Deduct	*-13.28*	
		For >100 To 500, Deduct	*-24.69*	
		For >500 To 1,000, Deduct	*-46.97*	
		For >1,000, Deduct	*-64.02*	
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	104.42	18.27
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-8.87*	
		For >100 To 500, Deduct	*-14.88*	
		For >500 To 1,000, Deduct	*-31.21*	
		For >1,000, Deduct	*-45.82*	
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	109.95	19.79
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-9.45*	
		For >100 To 500, Deduct	*-15.72*	
		For >500 To 1,000, Deduct	*-33.24*	
		For >1,000, Deduct	*-49.07*	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	105.62	18.27
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-8.93*	
		For >100 To 500, Deduct	*-15.03*	
		For >500 To 1,000, Deduct	*-31.43*	
		For >1,000, Deduct	*-46.04*	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	111.71	19.79
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 500, Deduct	*-15.94*	
		For >500 To 1,000, Deduct	*-33.56*	
		For >1,000, Deduct	*-49.39*	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	123.90	19.79
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 500, Deduct	*-17.47*	
		For >500 To 1,000, Deduct	*-35.75*	
		For >1,000, Deduct	*-51.58*	
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate	208.25	21.31
		For >25 To 50, Deduct	*-4.26*	
		For >50 To 100, Deduct	*-14.67*	
		For >100 To 500, Deduct	*-28.16*	
		For >500 To 1,000, Deduct	*-51.97*	
		For >1,000, Deduct	*-69.02*	
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate	208.25	21.31
		For >25 To 50, Deduct	*-4.26*	
		For >50 To 100, Deduct	*-14.67*	
		For >100 To 500, Deduct	*-28.16*	
		For >500 To 1,000, Deduct	*-51.97*	
		For >1,000, Deduct	*-69.02*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	144.55	18.27
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-10.88*	
		For >100 To 500, Deduct	*-19.89*	
		For >500 To 1,000, Deduct	*-38.44*	
		For >1,000, Deduct	*-53.04*	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	162.56	19.79
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-12.08*	
		For >100 To 500, Deduct	*-22.30*	
		For >500 To 1,000, Deduct	*-42.71*	
		For >1,000, Deduct	*-58.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	114.78	18.27
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-9.39*	
		For >100 To 500, Deduct	*-16.17*	
		For >500 To 1,000, Deduct	*-33.08*	
		For >1,000, Deduct	*-47.69*	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	116.34	19.79
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-9.77*	
		For >100 To 500, Deduct	*-16.52*	
		For >500 To 1,000, Deduct	*-34.39*	
		For >1,000, Deduct	*-50.22*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	337.84	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-19.94*	
		For >100 To 500, Deduct	*-43.75*	
		For >500 To 1,000, Deduct	*-71.16*	
		For >1,000, Deduct	*-83.33*	
21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	329.84	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-19.54*	
		For >100 To 500, Deduct	*-42.75*	
		For >500 To 1,000, Deduct	*-69.72*	
		For >1,000, Deduct	*-81.89*	
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	145.56	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-10.32*	
		For >100 To 500, Deduct	*-19.72*	
		For >500 To 1,000, Deduct	*-36.55*	
		For >1,000, Deduct	*-48.72*	
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	162.16	15.21
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-11.15*	
		For >100 To 500, Deduct	*-21.79*	
		For >500 To 1,000, Deduct	*-39.54*	
		For >1,000, Deduct	*-51.71*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	57.27	15.18
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 500, Deduct	*-7.79*	
		For >500 To 1,000, Deduct	*-14.61*	
		For >1,000, Deduct	*-19.67*	
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	57.27	15.18
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 500, Deduct	*-7.79*	
		For >500 To 1,000, Deduct	*-14.61*	
		For >1,000, Deduct	*-19.67*	
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	57.92	15.18
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-7.87*	
		For >500 To 1,000, Deduct	*-14.73*	
		For >1,000, Deduct	*-19.79*	
21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	51.19	15.18
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-13.52*	
		For >1,000, Deduct	*-18.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	51.19	15.18
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-13.52*	
		For >1,000, Deduct	*-18.58*	
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	51.19	15.18
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 500, Deduct	*-7.03*	
		For >500 To 1,000, Deduct	*-13.52*	
		For >1,000, Deduct	*-18.58*	
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	57.16	16.51
		For >25 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 500, Deduct	*-7.83*	
		For >500 To 1,000, Deduct	*-14.97*	
		For >1,000, Deduct	*-20.47*	
21 13 13 00-0209		**Sprinkler Head Escutcheon** *(21 13 13 00-0200)*		
21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	22.23	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000, Deduct	*-7.38*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	22.23	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000, Deduct	*-7.38*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	21.03	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-5.34*	
		For >1,000, Deduct	*-7.16*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	21.03	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-5.34*	
		For >1,000, Deduct	*-7.16*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.62	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	21.63	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.93*	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000, Deduct	*-7.27*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	21.63	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.93*	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000, Deduct	*-7.27*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	8.73	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-3.82*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.90	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.67*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.12	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.71*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.88	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 500, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.85*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	8.05	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.70*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	8.05	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.70*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.74	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-4.00*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.02	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.69*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.02	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.69*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	13.14	5.63
		For >25 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.68	5.63
		For >25 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.80*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-5.43*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.83	5.63
		For >25 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.76*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	13.29	5.63
		For >25 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.54*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.83	5.63
		For >25 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.76*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	13.14	5.63
		For >25 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-5.52*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.08	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.25*	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.08	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.25*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.08	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.25*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.08	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.25*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	27.08	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.25*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	27.08	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-8.25*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	31.18	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 500, Deduct	*-4.13*	
		For >500 To 1,000, Deduct	*-7.16*	
		For >1,000, Deduct	*-8.99*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.14	5.48
		For >25 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 500, Deduct	*-4.25*	
		For >500 To 1,000, Deduct	*-7.34*	
		For >1,000, Deduct	*-9.16*	

21 13 13 00-0247 Coverplate For Sprinkler Heads *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0248	EA	Chrome Coverplate For Concealed Pendent Sprinkler Head	63.71	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 500, Deduct	*-8.22*	
		For >500 To 1,000, Deduct	*-13.23*	
		For >1,000, Deduct	*-15.30*	
21 13 13 00-0249	EA	White Coverplate For Concealed Pendent Sprinkler Head	31.15	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 500, Deduct	*-4.15*	
		For >500 To 1,000, Deduct	*-7.37*	
		For >1,000, Deduct	*-9.44*	
21 13 13 00-0250	EA	Specialty Coverplate For Concealed Pendent Sprinkler Head	45.27	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 500, Deduct	*-5.92*	
		For >500 To 1,000, Deduct	*-9.91*	
		For >1,000, Deduct	*-11.98*	
21 13 13 00-0251	EA	Brass Coverplate For Concealed Sidewall Sprinkler Head	41.60	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 500, Deduct	*-5.46*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-11.32*	
21 13 13 00-0252	EA	Chrome Coverplate For Concealed Sidewall Sprinkler Head	33.29	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 500, Deduct	*-4.42*	
		For >500 To 1,000, Deduct	*-7.75*	
		For >1,000, Deduct	*-9.82*	
21 13 13 00-0253	EA	White Coverplate For Concealed Sidewall Sprinkler Head	33.29	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 500, Deduct	*-4.42*	
		For >500 To 1,000, Deduct	*-7.75*	
		For >1,000, Deduct	*-9.82*	
21 13 13 00-0254	EA	Off-White Coverplate For Concealed Sidewall Sprinkler Head	41.60	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 500, Deduct	*-5.46*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-11.32*	
21 13 13 00-0255	EA	Black Painted Coverplate For Concealed Sidewall Sprinkler Head	41.60	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 500, Deduct	*-5.46*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-11.32*	
21 13 13 00-0256	EA	Black Plated Coverplate For Concealed Sidewall Sprinkler Head	48.19	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 500, Deduct	*-6.28*	
		For >500 To 1,000, Deduct	*-10.43*	
		For >1,000, Deduct	*-12.50*	
21 13 13 00-0257	EA	Bright Brass Coverplate For Concealed Sidewall Sprinkler Head	48.19	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 500, Deduct	*-6.28*	
		For >500 To 1,000, Deduct	*-10.43*	
		For >1,000, Deduct	*-12.50*	
21 13 13 00-0258	EA	Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	48.19	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 500, Deduct	*-6.28*	
		For >500 To 1,000, Deduct	*-10.43*	
		For >1,000, Deduct	*-12.50*	
21 13 13 00-0259	EA	Specialty Coverplate For Concealed Sidewall Sprinkler Head	41.64	6.21
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 500, Deduct	*-5.46*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000, Deduct	*-11.32*	
21 13 13 00-0260	EA	White Coverplate For Quick Release Concealed Sidewall Sprinkler Head	70.86	7.30
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 500, Deduct	*-9.16*	
		For >500 To 1,000, Deduct	*-14.82*	
		For >1,000, Deduct	*-17.26*	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	16.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000, Deduct	*-5.20*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	21.30	3.84
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 500, Deduct	*-2.82*	
		For >500 To 1,000, Deduct	*-4.92*	
		For >1,000, Deduct	*-6.20*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	26.77	4.02
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 500, Deduct	*-3.51*	
		For >500 To 1,000, Deduct	*-5.96*	
		For >1,000, Deduct	*-7.30*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	31.65	4.20
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 500, Deduct	*-4.13*	
		For >500 To 1,000, Deduct	*-6.89*	
		For >1,000, Deduct	*-8.29*	

21 13 13 00-0266 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	24.84	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 500, Deduct	*-3.56*	
		For >500 To 1,000, Deduct	*-7.58*	
		For >1,000, Deduct	*-11.23*	
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	27.38	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 500, Deduct	*-3.88*	
		For >500 To 1,000, Deduct	*-8.03*	
		For >1,000, Deduct	*-11.69*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	31.72	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 500, Deduct	*-4.42*	
		For >500 To 1,000, Deduct	*-8.82*	
		For >1,000, Deduct	*-12.47*	
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	37.07	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 500, Deduct	*-5.09*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000, Deduct	*-13.43*	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	27.28	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 500, Deduct	*-3.87*	
		For >500 To 1,000, Deduct	*-8.02*	
		For >1,000, Deduct	*-11.67*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	28.93	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 500, Deduct	*-4.07*	
		For >500 To 1,000, Deduct	*-8.31*	
		For >1,000, Deduct	*-11.97*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	41.20	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 500, Deduct	*-5.61*	
		For >500 To 1,000, Deduct	*-10.52*	
		For >1,000, Deduct	*-14.18*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	38.74	10.96
		For >25 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 500, Deduct	*-5.30*	
		For >500 To 1,000, Deduct	*-10.08*	
		For >1,000, Deduct	*-13.73*	

21 13 13 00-0275 Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	11.76	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.37*	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	14.18	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.80*	
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon	11.68	4.02
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0285		Pendent Shield And O-Ring Assembly *(21 13 13 00-0200)*		
21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly	18.91	8.04
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-2.67*	
		For >500 To 1,000, Deduct	*-5.47*	
		For >1,000, Deduct	*-7.91*	
21 13 13 00-0287		Replacement Insulating Sealing Assembly *(21 13 13 00-0200)*		
21 13 13 00-0288	EA	Insulating Sealing Assembly	77.01	18.27
		For >100 To 500, Deduct	*-10.54*	
		For >500 To 1,000, Deduct	*-20.07*	
21 13 13 00-0289		Flexible Sprinkler Piping *(21 13 13 00-0011)*		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA	2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	79.63	18.87
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 500, Deduct	*-10.90*	
		For >500 To 1,000, Deduct	*-20.80*	
		For >1,000, Deduct	*-28.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0291	EA	3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	87.98	19.47
		For >25 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-6.40*	
		For >100 To 500, Deduct	*-12.00*	
		For >500 To 1,000, Deduct	*-22.64*	
		For >1,000, Deduct	*-30.65*	
21 13 13 00-0292	EA	4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	96.51	20.69
		For >25 To 50, Deduct	*-2.11*	
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 500, Deduct	*-13.12*	
		For >500 To 1,000, Deduct	*-24.56*	
		For >1,000, Deduct	*-33.01*	
21 13 13 00-0293	EA	5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	105.34	21.91
		For >25 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-7.51*	
		For >100 To 500, Deduct	*-14.29*	
		For >500 To 1,000, Deduct	*-26.57*	
		For >1,000, Deduct	*-35.52*	
21 13 13 00-0294	EA	6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	114.46	24.35
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 500, Deduct	*-15.50*	
		For >500 To 1,000, Deduct	*-28.69*	
		For >1,000, Deduct	*-38.20*	

21 13 13 00-0295 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	140.05
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	146.14
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	158.00
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	519.60
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	261.88
21 13 13 00-0301	EA	Sprinkler Wrench, FC	260.87
21 13 13 00-0302	EA	Sprinkler Wrench, W2	86.62

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	1,149.00
		For Up To 5, Add	*502.33*
		For >5 To 10, Add	*221.73*
		For >10 To 20, Add	*179.00*
		For >20 To 40, Add	*78.82*
		For >100 To 150, Deduct	*-114.90*
		For >150, Deduct	*-229.80*
		For Copper Pipe, Add	*150.99*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-208.44*
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,355.37
		For Up To 5, Add	*600.11*
		For >5 To 10, Add	*280.44*
		For >10 To 20, Add	*222.48*
		For >20 To 40, Add	*96.75*
		For >100 To 150, Deduct	*-135.54*
		For >150, Deduct	*-271.07*
		For Copper Pipe, Add	*174.32*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-242.09*
		For Work In Restricted Working Space, Add	*173.89*

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	1,109.33	
		For Up To 5, Add	*485.93*	
		For >5 To 10, Add	*216.43*	
		For >10 To 20, Add	*174.23*	
		For >20 To 40, Add	*76.57*	
		For >100 To 150, Deduct	*-110.93*	
		For >150, Deduct	*-221.87*	
		For Copper Pipe, Add	*145.30*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-200.77*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,311.50	
		For Up To 5, Add	*581.86*	
		For >5 To 10, Add	*274.31*	
		For >10 To 20, Add	*217.04*	
		For >20 To 40, Add	*94.21*	
		For >100 To 150, Deduct	*-131.15*	
		For >150, Deduct	*-262.30*	
		For Copper Pipe, Add	*168.09*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-233.67*	
		For Work In Restricted Working Space, Add	*171.79*	
21 13 16 00-0008		**Extra Hazard, Dry-Pipe Sprinkler System Assemblies** *(21 13 16 00-0001)*		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	1,044.50	
		For Up To 5, Add	*457.12*	
		For >5 To 10, Add	*202.76*	
		For >10 To 20, Add	*163.43*	
		For >20 To 40, Add	*71.89*	
		For >100 To 150, Deduct	*-104.45*	
		For >150, Deduct	*-208.90*	
		For Copper Pipe, Add	*137.01*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-189.24*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,220.48	
		For Up To 5, Add	*541.53*	
		For >5 To 10, Add	*255.39*	
		For >10 To 20, Add	*202.05*	
		For >20 To 40, Add	*87.69*	
		For >100 To 150, Deduct	*-122.05*	
		For >150, Deduct	*-244.10*	
		For Copper Pipe, Add	*156.40*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-217.43*	
		For Work In Restricted Working Space, Add	*160.01*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Compressors** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	2,612.37	337.44
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	2,728.05	337.44
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,825.65	337.44
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	3,205.20	337.44
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)* Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve	4,203.86	151.27
21 13 16 00-0019	EA	3" Dry Pipe Valve	4,679.89	173.27
21 13 16 00-0020	EA	4" Dry Pipe Valve	5,207.58	294.29
21 13 16 00-0021	EA	6" Dry Pipe Valve	6,604.17	371.30
21 13 16 00-0022		**Dry Pipe Valve Trim** *(21 13 16 00-0016)* Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA	2-1/2" Dry Pipe Valve Trim	2,122.30	320.14
21 13 16 00-0024	EA	3" Dry Pipe Valve Trim	2,122.30	320.14
21 13 16 00-0025	EA	4" Dry Pipe Valve Trim	2,436.34	438.95
21 13 16 00-0026	EA	6" Dry Pipe Valve Trim	2,722.38	610.57
21 13 16 00-0027		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0028	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	246.87	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-16.00*	
		For >100 To 500, Deduct	*-32.68*	
		For >500 To 1,000, Deduct	*-56.85*	
		For >1,000, Deduct	*-71.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0029	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	256.88	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-16.50*	
		For >100 To 500, Deduct	*-33.94*	
		For >500 To 1,000, Deduct	*-58.66*	
		For >1,000, Deduct	*-73.26*	
21 13 16 00-0030	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	266.90	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-17.00*	
		For >100 To 500, Deduct	*-35.19*	
		For >500 To 1,000, Deduct	*-60.46*	
		For >1,000, Deduct	*-75.07*	
21 13 16 00-0031	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	276.94	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-17.50*	
		For >100 To 500, Deduct	*-36.44*	
		For >500 To 1,000, Deduct	*-62.27*	
		For >1,000, Deduct	*-76.87*	
21 13 16 00-0032	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	286.96	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-18.00*	
		For >100 To 500, Deduct	*-37.70*	
		For >500 To 1,000, Deduct	*-64.07*	
		For >1,000, Deduct	*-78.68*	
21 13 16 00-0033	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	296.98	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-18.50*	
		For >100 To 500, Deduct	*-38.95*	
		For >500 To 1,000, Deduct	*-65.87*	
		For >1,000, Deduct	*-80.48*	
21 13 16 00-0034	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	306.99	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-19.00*	
		For >100 To 500, Deduct	*-40.20*	
		For >500 To 1,000, Deduct	*-67.68*	
		For >1,000, Deduct	*-82.28*	
21 13 16 00-0035	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	317.03	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-19.50*	
		For >100 To 500, Deduct	*-41.45*	
		For >500 To 1,000, Deduct	*-69.48*	
		For >1,000, Deduct	*-84.09*	
21 13 16 00-0036	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	327.04	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-20.00*	
		For >100 To 500, Deduct	*-42.71*	
		For >500 To 1,000, Deduct	*-71.28*	
		For >1,000, Deduct	*-85.89*	
21 13 16 00-0037	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	337.06	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-20.51*	
		For >100 To 500, Deduct	*-43.96*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-87.70*	
21 13 16 00-0038	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	347.10	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-21.01*	
		For >100 To 500, Deduct	*-45.21*	
		For >500 To 1,000, Deduct	*-74.89*	
		For >1,000, Deduct	*-89.50*	
21 13 16 00-0039	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	357.12	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-21.51*	
		For >100 To 500, Deduct	*-46.47*	
		For >500 To 1,000, Deduct	*-76.70*	
		For >1,000, Deduct	*-91.31*	
21 13 16 00-0040	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	367.16	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-22.01*	
		For >100 To 500, Deduct	*-47.72*	
		For >500 To 1,000, Deduct	*-78.51*	
		For >1,000, Deduct	*-93.11*	
21 13 16 00-0041	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.16	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-22.51*	
		For >100 To 500, Deduct	*-48.97*	
		For >500 To 1,000, Deduct	*-80.31*	
		For >1,000, Deduct	*-94.91*	
21 13 16 00-0042	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	387.19	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-23.01*	
		For >100 To 500, Deduct	*-50.22*	
		For >500 To 1,000, Deduct	*-82.11*	
		For >1,000, Deduct	*-96.72*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0043		Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*		
21 13 16 00-0044	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	244.45	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-15.87*	
		For >100 To 500, Deduct	*-32.38*	
		For >500 To 1,000, Deduct	*-56.42*	
		For >1,000, Deduct	*-71.03*	
21 13 16 00-0045	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	254.49	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-16.38*	
		For >100 To 500, Deduct	*-33.64*	
		For >500 To 1,000, Deduct	*-58.23*	
		For >1,000, Deduct	*-72.83*	
21 13 16 00-0046	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	264.53	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-16.88*	
		For >100 To 500, Deduct	*-34.89*	
		For >500 To 1,000, Deduct	*-60.03*	
		For >1,000, Deduct	*-74.64*	
21 13 16 00-0047	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	274.52	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-17.38*	
		For >100 To 500, Deduct	*-36.14*	
		For >500 To 1,000, Deduct	*-61.83*	
		For >1,000, Deduct	*-76.44*	
21 13 16 00-0048	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	284.55	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-17.88*	
		For >100 To 500, Deduct	*-37.39*	
		For >500 To 1,000, Deduct	*-63.64*	
		For >1,000, Deduct	*-78.24*	
21 13 16 00-0049	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	294.56	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-18.38*	
		For >100 To 500, Deduct	*-38.65*	
		For >500 To 1,000, Deduct	*-65.44*	
		For >1,000, Deduct	*-80.05*	
21 13 16 00-0050	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	304.61	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-18.88*	
		For >100 To 500, Deduct	*-39.90*	
		For >500 To 1,000, Deduct	*-67.25*	
		For >1,000, Deduct	*-81.85*	
21 13 16 00-0051	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	314.63	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-19.38*	
		For >100 To 500, Deduct	*-41.15*	
		For >500 To 1,000, Deduct	*-69.05*	
		For >1,000, Deduct	*-83.66*	
21 13 16 00-0052	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	324.63	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-19.88*	
		For >100 To 500, Deduct	*-42.40*	
		For >500 To 1,000, Deduct	*-70.85*	
		For >1,000, Deduct	*-85.46*	
21 13 16 00-0053	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	334.65	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-20.38*	
		For >100 To 500, Deduct	*-43.66*	
		For >500 To 1,000, Deduct	*-72.65*	
		For >1,000, Deduct	*-87.26*	
21 13 16 00-0054	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	344.69	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-20.89*	
		For >100 To 500, Deduct	*-44.91*	
		For >500 To 1,000, Deduct	*-74.46*	
		For >1,000, Deduct	*-89.07*	
21 13 16 00-0055	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	354.70	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-21.39*	
		For >100 To 500, Deduct	*-46.16*	
		For >500 To 1,000, Deduct	*-76.26*	
		For >1,000, Deduct	*-90.87*	
21 13 16 00-0056	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	384.79	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-22.89*	
		For >100 To 500, Deduct	*-49.92*	
		For >500 To 1,000, Deduct	*-81.68*	
		For >1,000, Deduct	*-96.29*	
21 13 16 00-0057	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	394.81	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-23.39*	
		For >100 To 500, Deduct	*-51.18*	
		For >500 To 1,000, Deduct	*-83.48*	
		For >1,000, Deduct	*-98.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0058	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	398.81	24.11
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-23.59*	
		For >100 To 500, Deduct	*-51.68*	
		For >500 To 1,000, Deduct	*-84.20*	
		For >1,000, Deduct	*-98.81*	

21 13 16 00-0059 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*

21 13 16 00-0060	EA	23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,099.99	24.11
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-58.96*	
		For >100 To 500, Deduct	*-139.48*	
		For >500 To 1,000, Deduct	*-211.45*	
		For >1,000, Deduct	*-227.28*	
21 13 16 00-0061	EA	30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,099.99	24.11
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-58.96*	
		For >100 To 500, Deduct	*-139.48*	
		For >500 To 1,000, Deduct	*-211.45*	
		For >1,000, Deduct	*-227.28*	
21 13 16 00-0062	EA	36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,099.99	24.11
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-58.96*	
		For >100 To 500, Deduct	*-139.48*	
		For >500 To 1,000, Deduct	*-211.45*	
		For >1,000, Deduct	*-227.28*	
21 13 16 00-0063	EA	36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,099.99	24.11
		For >25 To 50, Deduct	*-3.96*	
		For >50 To 100, Deduct	*-58.96*	
		For >100 To 500, Deduct	*-139.48*	
		For >500 To 1,000, Deduct	*-211.45*	
		For >1,000, Deduct	*-227.28*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	1,013.49	
		For Up To 5, Add	*447.59*	
		For >5 To 10, Add	*266.00*	
		For >10 To 20, Add	*164.65*	
		For >20 To 40, Add	*71.77*	
		For >100 To 150, Deduct	*-101.35*	
		For >150, Deduct	*-202.70*	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	943.17	
		For Up To 5, Add	*416.59*	
		For >5 To 10, Add	*247.62*	
		For >10 To 20, Add	*153.30*	
		For >20 To 40, Add	*66.82*	
		For >100 To 150, Deduct	*-94.32*	
		For >150, Deduct	*-188.63*	

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment *(21 13 26 00-0001)*

21 13 26 00-0003	EA	3" Deluge Valve With Trim And Release Equipment	10,227.41	676.38
21 13 26 00-0004	EA	4" Deluge Valve With Trim And Release Equipment	11,738.86	760.86
21 13 26 00-0005	EA	6" Deluge Valve With Trim And Release Equipment	14,426.18	1,106.73

21 13 39 Foam-Water Systems *(21 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 00-0001		**Foam Control Valves And Monitors** *(21 13 39)*		
21 13 39 00-0002		**Control Valves** *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Foam Control Valve	4,572.69	676.38
21 13 39 00-0004		**Supply Valves** *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	4,026.21	760.86
21 13 39 00-0006		**Proportioners** *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	3,014.08	1,106.73
21 13 39 00-0008		**Monitors** *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	5,100.27	152.17
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001		**Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41)* Note: SDR 13.5		
21 13 41 00-0002		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.33	1.94
		For Work In Restricted Working Space, Add	*1.46*	
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.48	2.07
		For Work In Restricted Working Space, Add	*1.57*	
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.24	2.32
		For Work In Restricted Working Space, Add	*1.72*	
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	11.21	2.56
		For Work In Restricted Working Space, Add	*1.90*	
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	14.21	2.80
		For Work In Restricted Working Space, Add	*2.12*	
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	19.18	3.16
		For Work In Restricted Working Space, Add	*2.41*	
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	26.47	3.78
		For Work In Restricted Working Space, Add	*2.85*	
21 13 41 00-0010		**Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	31.12	11.69
		For Work In Restricted Working Space, Add	*8.77*	
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	40.77	14.61
		For Work In Restricted Working Space, Add	*10.99*	
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	51.00	18.27
		For Work In Restricted Working Space, Add	*13.73*	
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	58.03	20.21
		For Work In Restricted Working Space, Add	*15.19*	
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	65.70	22.65
		For Work In Restricted Working Space, Add	*16.95*	
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	81.98	25.69
		For Work In Restricted Working Space, Add	*19.28*	
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	100.04	30.43
		For Work In Restricted Working Space, Add	*22.79*	
21 13 41 00-0018		**Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	31.79	11.69
		For Work In Restricted Working Space, Add	*8.77*	
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	39.70	14.61
		For Work In Restricted Working Space, Add	*10.99*	
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	50.19	18.27
		For Work In Restricted Working Space, Add	*13.73*	
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	56.74	20.21
		For Work In Restricted Working Space, Add	*15.19*	
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	64.08	22.65
		For Work In Restricted Working Space, Add	*16.95*	
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	77.91	25.69
		For Work In Restricted Working Space, Add	*19.28*	
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	95.56	30.43
		For Work In Restricted Working Space, Add	*22.79*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	46.39	17.53
		For Work In Restricted Working Space, Add	*13.15*	
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	60.11	22.03
		For Work In Restricted Working Space, Add	*16.51*	
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	76.31	27.51
		For Work In Restricted Working Space, Add	*20.60*	
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	87.22	30.43
		For Work In Restricted Working Space, Add	*22.79*	
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	101.42	33.84
		For Work In Restricted Working Space, Add	*25.42*	
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	123.53	38.60
		For Work In Restricted Working Space, Add	*28.92*	
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	145.95	45.53
		For Work In Restricted Working Space, Add	*34.19*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	55.58	20.57
		For Work In Restricted Working Space, Add	*15.38*	
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	71.97	25.69
		For Work In Restricted Working Space, Add	*19.21*	
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	80.47	28.37
		For Work In Restricted Working Space, Add	*21.26*	
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	94.46	31.65
		For Work In Restricted Working Space, Add	*23.74*	
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	111.05	36.04
		For Work In Restricted Working Space, Add	*26.99*	
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	130.74	42.48
		For Work In Restricted Working Space, Add	*31.92*	
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	62.50	23.37
		For Work In Restricted Working Space, Add	*17.53*	
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	78.36	29.34
		For Work In Restricted Working Space, Add	*21.98*	
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	98.60	36.64
		For Work In Restricted Working Space, Add	*27.47*	
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	110.91	40.54
		For Work In Restricted Working Space, Add	*30.39*	
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	128.84	45.16
		For Work In Restricted Working Space, Add	*33.89*	
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	163.13	51.37
		For Work In Restricted Working Space, Add	*38.57*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	21.29	7.79
		For Work In Restricted Working Space, Add	*5.84*	
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	28.54	10.47
		For Work In Restricted Working Space, Add	*7.85*	
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	37.79	13.75
		For Work In Restricted Working Space, Add	*10.30*	
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	42.92	15.21
		For Work In Restricted Working Space, Add	*11.39*	
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	49.06	16.93
		For Work In Restricted Working Space, Add	*12.71*	
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	58.46	19.23
		For Work In Restricted Working Space, Add	*14.46*	
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	70.34	22.77
		For Work In Restricted Working Space, Add	*17.09*	
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	10.83	3.90
		For Work In Restricted Working Space, Add	*2.92*	
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	17.27	6.33
		For Work In Restricted Working Space, Add	*4.71*	
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	19.68	6.82
		For Work In Restricted Working Space, Add	*5.15*	
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	22.45	7.55
		For Work In Restricted Working Space, Add	*5.70*	
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	26.41	8.52
		For Work In Restricted Working Space, Add	*6.36*	
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	31.64	9.62
		For Work In Restricted Working Space, Add	*7.23*	
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	40.70	11.44
		For Work In Restricted Working Space, Add	*8.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	30.27	11.57
		For Work In Restricted Working Space, Add	*8.66*	
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	40.05	15.09
		For Work In Restricted Working Space, Add	*11.32*	
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	44.27	16.67
		For Work In Restricted Working Space, Add	*12.53*	
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	50.29	18.63
		For Work In Restricted Working Space, Add	*13.99*	
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	59.38	21.19
		For Work In Restricted Working Space, Add	*15.92*	
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	72.19	25.08
		For Work In Restricted Working Space, Add	*18.81*	
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	26.17	8.52
		For Work In Restricted Working Space, Add	*6.43*	
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	33.87	11.57
		For Work In Restricted Working Space, Add	*8.66*	
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.17	8.52
		For Work In Restricted Working Space, Add	*6.43*	
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	33.87	11.57
		For Work In Restricted Working Space, Add	*8.66*	
21 13 41 00-0077		**Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	30.70	10.47
		For Work In Restricted Working Space, Add	*7.89*	
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	39.17	13.15
		For Work In Restricted Working Space, Add	*9.90*	
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	40.52	13.15
		For Work In Restricted Working Space, Add	*9.90*	
21 13 41 00-0081		**Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	50.52	17.53
		For Work In Restricted Working Space, Add	*13.15*	
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	62.28	22.03
		For Work In Restricted Working Space, Add	*16.51*	
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	80.73	27.51
		For Work In Restricted Working Space, Add	*20.60*	
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	91.90	30.43
		For Work In Restricted Working Space, Add	*22.79*	
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	107.11	33.84
		For Work In Restricted Working Space, Add	*25.42*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001		**Carbon Dioxide Cylinders** *(21 21 16)*		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	5,082.09	232.62
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each)	10,164.18	465.22
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	548.10	132.31
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	267.19	42.50
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	53.90	17.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	1,608.57	79.30
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,834.62	79.30
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	1,864.34	79.30
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	2,646.72	105.73
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	2,796.15	105.73
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	2,987.85	132.17
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	3,170.06	132.17
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	4,783.77	158.60
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	40.37	158.60

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	153.70	13.22
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	157.55	13.22
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	167.20	13.22
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	173.95	13.22
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	183.59	13.22
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	212.50	13.22
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	153.70	13.22
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	157.55	13.22
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	167.20	13.22
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	173.95	13.22
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	183.59	13.22
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	212.50	13.22

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0002)*

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	13.88	3.97
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	15.54	3.97
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	21.22	9.25
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	49.87	11.84
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	73.81	11.84
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	89.07	11.84
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	44.36	11.84
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	308.84	105.73
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	297.42	79.30
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	667.48	105.73

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	49.58	13.22
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	53.93	13.22

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	152.57	39.65
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	161.25	39.65
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	172.34	39.65

21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	410.81	42.08
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	577.31	72.21

21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	129.03	26.44
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	483.82	26.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	407.65	26.44
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,780.99	105.73
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	46.31	18.51
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	82.35	18.51
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	228.90	13.22
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	295.85	13.22
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	169.84	52.87
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	170.71	22.20
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	525.35	92.51
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	613.51	18.51
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	642.45	18.51
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	688.19	26.44
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	47.14	15.86
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	59.07	18.51
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	197.35	79.30
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	230.42	79.30
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	257.90	79.30
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	346.59	79.30
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	56.16	21.15
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	92.47	13.22
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	124.71	26.44
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	329.09	105.73
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	497.80	105.73
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,680.71	105.73
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	180.61	26.19
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	210.00	28.15
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	375.72	50.94
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	755.61	116.02
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,819.86	153.12
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	53.66	8.03
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	631.00	86.04
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,964.27	269.19
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,872.17	274.24
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
		Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,638.04	246.36
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,858.16	279.12
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,658.83	361.71
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,661.05	442.00
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,922.09	311.23
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,723.24	393.93
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,811.04	474.97
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	61.83	8.96
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	61.83	8.96
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	74.57	9.95
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,178.11	170.96

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	19.84	2.62
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	28.16	3.74
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	21.88	2.93
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	20.22	2.93
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	87.90	12.62
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	92.23	13.21
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	107.17	15.26
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	119.46	17.23
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	137.03	19.81
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	134.63	19.52
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	139.67	20.10
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	128.83	18.61
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	131.95	20.10
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	153.17	22.11
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	163.76	23.55
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	176.28	25.27
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	303.44	44.22
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	401.21	58.00
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	437.38	63.75
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	156.78	22.96
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	184.95	26.88
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	152.19	22.11
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	162.57	23.43
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	164.00	23.55
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	197.97	28.60
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	213.37	31.01
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	327.53	47.59
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	382.42	55.71
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	419.04	60.87
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	176.28	25.27
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	216.28	31.47
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	232.64	33.89
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	327.53	47.59
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	357.87	52.15
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	420.48	60.87
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	488.87	71.38
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	577.97	84.43
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	737.16	166.56
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	949.12	195.28
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,214.28	327.37
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	718.84	166.56
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	795.69	116.33
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,214.28	327.37
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	734.26	166.56
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	827.00	120.89
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,191.14	327.37
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	828.05	126.93
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,357.77	196.91
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,932.48	262.39
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,048.61	266.91
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	95.85	13.57
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	114.60	17.98
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,097.29	140.48

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0165			**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
	21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	119.96	13.34
	21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	125.73	14.05
	21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	132.00	14.28
	21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	141.64	14.76
	21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	147.41	16.19
	21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	148.13	17.50
	21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	325.10	46.90
	21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	328.00	47.39
	21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	420.48	60.71
21 22 16 00-0175			**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
	21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	153.17	22.11
	21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	210.38	50.54
			Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178			**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
	21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	398.53	32.68
			Note: Includes gasket and fasteners.		
	21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	335.71	48.80
			Note: Includes gasket and fasteners.		
	21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	680.23	327.37
			Note: Includes gasket and fasteners.		
	21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	210.48	30.52
			Note: Includes gasket and fasteners.		
	21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	247.08	35.61
			Note: Includes gasket and fasteners.		
	21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	675.36	327.37
			Note: Includes gasket and fasteners.		
	21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	219.15	31.96
			Note: Includes gasket and fasteners.		
	21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	256.73	37.25
			Note: Includes gasket and fasteners.		
	21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	699.46	327.37
			Note: Includes gasket and fasteners.		
	21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	42.83	2.43
			Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
	21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	43.31	2.67
			Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
	21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	46.66	3.16
			Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0191			**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
	21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	26.83	3.88
	21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	220.60	29.53
	21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	164.71	29.53
			Note: Includes upright, left, right and center.		
21 22 16 00-0195			**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		
21 22 16 00-0196			**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
	21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	172.91	25.48
	21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	196.52	29.05
	21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	249.97	36.91
	21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	269.24	39.76
	21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	337.14	50.01
	21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	358.83	53.10
	21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	687.80	102.39
	21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	55.36	7.62
21 22 16 00-0205			**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
	21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	149.79	22.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	219.64	32.39
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	20.04	2.95
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,725.94	256.92
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,446.84	215.24
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,123.17	167.15
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	978.22	145.48
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	978.22	145.48
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	783.63	116.43
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,446.84	215.24
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	294.28	43.57
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	368.94	54.76
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	739.80	110.00
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	124.99	18.45
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	170.01	25.48
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	294.29	43.57
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	228.77	35.48
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	14.16	2.43
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	98.52	2.95
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	15.32	2.95
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	508.59	79.53
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	304.87	47.39
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	224.52	30.47
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	469.58	64.52
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	529.93	73.09
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	692.32	89.05
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,116.67	154.53
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	167.13	24.53
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	298.62	44.28
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	607.35	90.24
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,765.68	262.87
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,291.26	192.15
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	136.06	20.36
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	127.14	20.24
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	172.41	29.05
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	255.76	37.86
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	198.91	30.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	186.87	29.53
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	29.77	4.71
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	109.81	16.67
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	109.81	16.19
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	39.37	13.34
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	10.10	1.48
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	105.71	15.59
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	61.93	9.19
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	167.60	24.29
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	87.66	12.85
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	25.22	3.46
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	15.63	1.90
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	219.64	32.39
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	660.36	93.10
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,260.94	187.63
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	33.62	4.86
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	170.85	22.86
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	409.94	34.46
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	950.33	133.33
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	950.33	133.33
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,427.87	200.01
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,427.87	200.01
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,085.19	254.77
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	30.65	4.28
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	46.17	4.28
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	67.05	8.10
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	104.37	9.05
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	131.38	18.09
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	243.16	22.86
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	7,179.27	1,119.08
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	9,159.05	1,380.99
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	8,282.10	1,261.94
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	11,514.42	1,666.72
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	12,122.90	1,761.97

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21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	11,641.23	1,690.53
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	12,294.58	1,785.77
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	12,646.29	1,857.20
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	13,195.31	1,952.45
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	13,869.36	2,047.68
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	14,461.76	2,142.93
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	13,589.95	1,952.45
21 22 16 00-0295		Displays, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,182.24	261.91
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,192.86	261.91
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	1,976.32	238.10
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	1,988.65	238.10
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,457.89	285.73
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,088.83	247.63
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,286.70	278.10
21 22 16 00-0303		Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	5,490.89	785.74
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,521.68	628.59
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,599.13	238.10
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,150.78	154.77
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,603.14	208.58
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,387.64	257.15
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	302.38	38.57
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,021.42	238.10
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,444.58	197.62
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,134.46	152.38
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,446.89	197.62
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,444.58	197.62
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,428.11	185.72
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	170.03	16.67
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	6,900.64	914.32
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	12,024.59	1,600.05
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	939.48	119.05
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	21.37	2.38
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	12.03	0.47
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	517.66	69.05
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	627.15	83.81
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	905.35	121.44
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	133.41	18.09
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	20.87	3.81
21 22 16 00-0328		Labels And Decals, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	18.94	2.86
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	19.90	3.33
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	30.65	4.28
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	30.69	4.28
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	111.28	16.19
21 22 16 00-0334		Mounting Hardware, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*		

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21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	274.62	34.29
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	369.97	45.71
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	378.63	50.01
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	919.18	71.43
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,354.70	157.15
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	6.30	1.94
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	10.93	3.90
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	30.39	11.69
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	31.26	11.69
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	21.45	7.79
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	34.29	11.69
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	46.54	17.53
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	57.75	20.57
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.02	1.72
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	19.96	5.24
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	24.26	3.81
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	34.78	5.24
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,584.76	182.87
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,616.42	210.49
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	978.45	128.58
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,117.93	145.24
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,584.76	182.87
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,911.94	210.49
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	542.58	64.76
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	816.16	99.05
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,537.93	204.77
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,256.15	300.01
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	121.81	16.67
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	91.11	12.38
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,950.03	439.30
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	90.09	10.09
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	89.11	13.10
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	53.08	7.86
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	21.69	3.19
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	100.66	13.81
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	141.93	19.52
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,108.13	153.34
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	32.22	4.43
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	14.44	1.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0381		Marine Fire Control System *(21 22 16 00-0001)*		
21 22 16 00-0382		Alarm Devices, Marine Fire Control System *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	58.38	8.00
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	107.62	15.47
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	107.62	15.47
21 22 16 00-0386		FM200 System Equipment *(21 22 16)*		
21 22 16 00-0387	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system	3,619.87	114.87
21 22 16 00-0388	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system	5,194.13	131.52
21 22 16 00-0389	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system	6,165.80	155.07
21 22 16 00-0390	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system	8,175.13	183.78
21 22 16 00-0391	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system	12,787.25	229.73
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	767.66	229.73
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	268.32	76.39
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	333.17	57.43
21 22 16 00-0395	LB	FM200 Gas	28.02	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	5,925.70	61.80
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	839.54	86.38
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	835.65	92.59
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	206.75	32.74
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	238.77	61.80
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,086.76	92.59
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	792.99	244.20
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,256.23	458.77
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	6,871.10	918.58
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	333.82	92.59
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,450.36	347.70
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	363.44	92.59
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	330.96	92.59
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,548.02	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	231.85	43.07

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001		Kidde Fire Systems *(21 23 16)* Note: Kidde or equal.		
21 23 16 00-0002		Cylinders And Hardware *(21 23 16 00-0001)*		
21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	915.37	95.16
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,052.09	118.52
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,289.23	146.23
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,522.44	173.51
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	51.29	4.97
21 23 16 00-0008	EA	System Valve Actuator	184.33	19.78
21 23 16 00-0009	EA	Vent Plug	34.59	4.02
21 23 16 00-0010	EA	Gauge Shield	93.66	10.58
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	95.01	10.58
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	100.71	11.20
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	191.43	21.15
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	188.27	24.00
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	278.08	24.06
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	37.51	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	39.59	
21 23 16 00-0018		Nozzles And Accessories *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	85.21	9.73
21 23 16 00-0020	EA	LPF Or DM Nozzle	92.59	9.73
21 23 16 00-0021	EA	LPR Nozzle	107.80	9.73
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	63.91	6.87
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	10.08	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	6.20	0.63
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	35.92	9.67
21 23 16 00-0026		Control Systems *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,185.57	63.44
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	99.88	10.58
21 23 16 00-0029	EA	24" High Pressure Hose	118.52	10.58
21 23 16 00-0030	EA	60" High Pressure Hose	159.96	10.58
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	230.82	21.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	75.82	9.94
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	82.03	9.94
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	32.43	7.93
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	666.19	40.97
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	89.26	9.94
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	161.48	17.24
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	495.92	55.30
21 23 16 00-0039		**Mechanical Actuation Components** *(21 23 16 00-0001)*		
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	56.82	15.86
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	85.59	15.86
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	236.62	10.58
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	180.68	10.58
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	24.90	2.85
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	343.44	17.45
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	41.72	4.65
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	95.52	5.29
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.58	1.06
21 23 16 00-0049	EA	Cable Clamp	13.49	0.52
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.65	0.42
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.59	0.42
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	89.01	9.83
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	19.14	5.29
21 23 16 00-0055	EA	KGS Rapid Response Link	27.71	5.29
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	23.87	5.29
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	25.08	5.29
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	37.51	5.29
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	401.51	22.84
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	437.23	28.13
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	502.31	35.52
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	551.30	40.92
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	595.70	48.32
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	987.29	70.63
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	1,102.62	81.73
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	456.09	25.80
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	61.44	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	418.99	21.26
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	422.18	22.84
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	651.34	28.13
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	689.84	35.52
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	791.98	40.92
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	1,018.01	48.32
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,682.77	70.63
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	2,114.09	81.73
21 23 16 00-0077	EA	Manual Reset Relay	574.33	106.26
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	45.79	4.44
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	45.10	4.87
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	52.94	5.81
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	61.12	6.24
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	52.94	5.81
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	45.10	4.87
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	45.10	4.87
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	74.05	8.25
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	98.58	10.89
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	45.10	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	328.13	31.94
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	293.98	32.57
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	231.56	8.04
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	844.18	92.09
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	179.69	19.67
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	272.53	19.67
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	270.04	13.95
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	82.82	8.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	10.93	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	676.64	74.02
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	875.03	75.07
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,260.42	108.17
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,654.62	147.92
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	179.11	17.66
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,179.25	115.46
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	720.01	70.42
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	23.25	2.33
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	23.25	2.33
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	23.81	2.33
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	23.25	2.33
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	23.25	2.33
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	25.30	2.33
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	40.28	3.91
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	52.27	5.18
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	62.20	26.75
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	502.07	59.53
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	421.77	22.84
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	480.22	28.13
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	517.87	35.52
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	569.52	40.81
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	655.03	48.22
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,529.43	70.52
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,631.46	81.62
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	330.55	22.84
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	564.59	28.13
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	588.54	35.52
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	669.83	40.81
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	928.63	48.22
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	1,798.44	70.52
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,895.95	81.62
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	83.39	7.83
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	118.54	9.94
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	460.43	9.94
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	30.77	3.06
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,008.01	99.28
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,284.43	126.99
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	658.93	65.03
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	795.08	78.35
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	727.00	71.69
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	758.75	74.96
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	988.38	97.49
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,133.80	112.08
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	92.09	9.10
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	23.10	1.48
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	23.78	1.90
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	73.84	7.29
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.93	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0156			**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
	21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	80.31	7.93
	21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	160.86	15.76
	21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	340.42	33.41
21 23 16 00-0160			**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
	21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.63	0.31
	21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.95	0.31
	21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	4.00	0.42
	21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.67	
21 23 16 00-0165			**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
	21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	76.29	7.62
	21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	79.65	7.93
	21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	9.33	0.95
	21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	109.59	10.37
	21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	15.35	1.48
	21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	21.36	2.12
	21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	9.33	0.95
	21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	13.14	1.27
	21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	12.85	1.27
	21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	3.67	0.31
	21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	6.23	
	21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	118.98	
	21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	811.73	
	21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,053.20	
	21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,216.12	
21 23 16 00-0181			**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
	21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	37.37	3.60
	21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	38.71	3.81
	21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	74.54	7.29
	21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	105.47	
	21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	226.72	
21 23 16 00-0187			**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
	21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	150.58	14.91
	21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	160.47	20.93
	21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	40.28	3.91
	21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	5.30	1.37
21 23 16 00-0192			**Asco Gas Valve Control Panels** *(21 23 16)*		
	21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,514.69	232.62
	21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,599.77	232.62
	21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	850.00	52.87
	21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	794.42	52.87

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001			**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)*		
			Note: Amerex or equal.		
	21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	573.03	82.05
	21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	797.45	103.45
	21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	189.40	
	21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	332.93	
	21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	132.57	17.22
	21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	77.23	9.99
	21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	33.50	
	21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	132.57	17.22
	21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	332.93	43.17
	21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	177.44	22.97
	21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	215.83	22.97
	21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	528.32	68.54
	21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	39.87	5.17
	21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	177.44	22.97
			Note: Use For 1-10 Agent Cylinders		
	21 24 16 00-0016	EA	Vent Check	31.91	4.13
	21 24 16 00-0017	EA	Detector	23.92	3.10
			Note: Includes bracket, linkage and conduit fittings.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	8.97	1.15
21 24 16 00-0019	EA	Test Link	2.99	
21 24 16 00-0020	EA	Corner Pulley	12.35	1.61
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	199.36	25.84
21 24 16 00-0022	EA	Pulley Tee	89.71	11.60
21 24 16 00-0023	EA	Manual Pull Station (Standard)	79.73	10.33
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	37.41	4.82
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	88.92	11.48
21 24 16 00-0026	EA	Conduit Offset	17.74	2.30
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal)	24.44	3.21
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal	19.94	2.64
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	33.29	4.36
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	33.29	4.36
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	9.63	2.98
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	22.18	2.98
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	39.87	5.17
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	39.87	5.17
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	39.87	5.17
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	39.87	5.17
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	39.87	5.17
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	57.33	7.46
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve	316.30	30.43
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve	373.39	44.20
21 24 16 00-0041	EA	2" Mechanical Gas Valve	464.78	52.24
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	502.38	65.10
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	26.44	3.44
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	42.67	5.51
21 24 16 00-0045	EA	Gas Valve Trip Assembly	89.71	11.60

21 24 16 00-0046 Range Guard Fire Suppression Systems *(21 24 16)*

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	608.54	88.71
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	759.62	110.71
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	937.80	136.71
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,113.90	162.30
21 24 16 00-0051	EA	Vent Plug	25.57	3.70
21 24 16 00-0052	EA	Discharge Adapter Kit	32.93	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	67.73	9.83
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	71.69	10.47
21 24 16 00-0055	EA	4 Gallon Wall Bracket	135.39	19.78
21 24 16 00-0056	EA	6 Gallon Wall Bracket	150.05	21.89
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	529.34	77.19
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	552.26	80.46
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	633.54	92.30
21 24 16 00-0060	EA	Tandem Control Head	481.41	70.21
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	814.84	118.74
21 24 16 00-0062	EA	Mechanical Control Box	362.62	52.87
21 24 16 00-0063	EA	Tandem Control Box	362.62	52.87
21 24 16 00-0064	EA	Mechanical Control Box Adapter	106.29	15.54
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	319.41	46.52
21 24 16 00-0066	EA	Pressure Operated Actuator	131.29	19.14
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	212.57	30.98
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	216.74	31.61
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	53.13	7.72
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	613.35	89.34
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	131.29	19.14
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	131.29	19.14
21 24 16 00-0073	EA	Check Valve	111.07	22.73
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	59.39	8.67
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	25.85	3.77
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	6.80	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	135.46	19.78
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	62.10	9.10
21 24 16 00-0079	EA	Nozzles; DM And LPF	69.19	10.04
21 24 16 00-0080	EA	Swivel Adapter	43.76	6.35
21 24 16 00-0081	EA	Corner Pulley	18.76	2.75
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.84	0.31
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.02	0.31
21 24 16 00-0084	EA	"S" Hook	0.79	0.21
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	64.58	9.41
21 24 16 00-0086	EA	Cable Clamp	5.76	0.85
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.80	0.21
21 24 16 00-0088	EA	3/8" Cable Anchor	68.25	9.94
21 24 16 00-0089	EA	1/2" Cable Anchor	68.25	9.94
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	110.40	16.07
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	117.81	17.13
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	138.02	20.09
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	43.25	6.35
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	181.21	26.32
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	138.02	20.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	164.54	24.00
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	29.58	4.33
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	32.84	4.76
21 24 16 00-0099	EA	Fusible Link 165F To 360F	10.75	1.58
21 24 16 00-0100	EA	Fusible Link 500F	16.88	1.58
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	32.84	4.76
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	24.35	4.76
21 24 16 00-0103	EA	Quartzoid Link 400 F	177.04	25.80
21 24 16 00-0104	EA	Quartzoid Link 500 F	177.04	25.80
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	63.45	9.20
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	110.39	16.07
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	65.61	9.52
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	113.71	16.60
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	83.31	12.16
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	120.18	17.45
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	352.01	51.28
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	158.30	23.05
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	158.30	23.05
21 24 16 00-0114	EA	Electric Manual Pull Station	115.60	16.81
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	64.57	9.41
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	91.65	13.32
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	7.43	1.06
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	32.84	4.76
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	32.84	4.76
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	120.80	17.55
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	133.30	19.45
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	3.63	1.37
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	16.66	2.43
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	179.12	26.11
21 24 16 00-0125	EA	Suppression Abort Station	189.54	27.59
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	220.78	32.15
21 24 16 00-0127	EA	Surface Mount Back Box	72.90	10.58
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,353.85	196.98
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,353.85	196.98
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	112.48	16.39
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.35	0.74
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	978.87	
21 24 16 00-0133	EA	Extra Scorpio Key	16.66	
21 24 16 00-0134	EA	Extra Scorpio Manual	10.41	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	28.32	4.12
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	30.75	4.44
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	37.00	5.39
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	39.57	5.71
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	30.75	4.44
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	30.75	4.44
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	52.61	7.72
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	69.77	10.15
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	30.75	4.44
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	68.45	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	117.67	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	177.86	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	260.26	
21 24 16 00-0148	EA	Inlet Flushing Adapter	51.03	7.40
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	51.03	7.40
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	51.03	7.40
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	51.03	7.40
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	51.03	7.40
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	70.81	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	5.69	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	6.80	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	4.81	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	3.48	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	895.57	130.37
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,045.54	152.15
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,301.75	189.48
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,301.75	189.48
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,637.06	238.22
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	775.82	112.92
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	728.96	106.05
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	589.42	85.75
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,020.53	148.56
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	935.13	136.07

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21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 13 00-0001		**Electric-Drive Fire Pumps** *(21 31 13)* Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.		
21 31 13 00-0002	EA	20 HP Electric Fire Pump	60,385.62	2,198.31
		For Duplex Pumping System, Add	*58,187.32*	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	70,480.75	2,473.09
		For Duplex Pumping System, Add	*68,190.85*	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	96,171.27	2,747.88
		For Duplex Pumping System, Add	*93,626.94*	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	119,016.89	3,251.54
		For Duplex Pumping System, Add	*115,765.35*	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	132,868.65	3,547.14
		For Duplex Pumping System, Add	*129,321.51*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001		**Diesel-Drive Fire Pumps** *(21 31 16)* Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.		
21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	89,324.05	2,660.36
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	101,051.87	2,955.95
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	106,158.51	3,251.54
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	120,825.34	3,547.14
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	128,201.08	4,138.34
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	137,885.08	5,320.72
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	149,652.33	5,911.91
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	171,126.27	6,739.58
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	205,071.10	7,271.65
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	240,637.05	8,276.67
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	285,735.62	8,867.86
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	321,825.55	9,459.05

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001		**Jockey Pumps** *(21 34 13)* Note: Includes pump and controller.		
21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller	6,233.00	591.19

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	44.80	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	46.55	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	51.17	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	54.54	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	59.00	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	75.15	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	95.16	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	110.22	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	126.24	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	71.06	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	74.80	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	82.81	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	91.00	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	100.25	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	129.42	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	156.30	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	177.51	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	201.12	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	101.28	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	105.23	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	116.26	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	127.51	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	143.95	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	175.74	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	205.33	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	247.14	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	304.89	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	312.46	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	335.01	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	59.58	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	22.81	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	28.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	40.45	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	62.86	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	40.89	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	42.84	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	51.57	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	39.62	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	116.61	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	32.64	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	17.24	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	18.14	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	17.24	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	9.23	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	26.73	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	45.26	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	33.36	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	32.42	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	36.81	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	27.12	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	20.57	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	38.16	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	7.29	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	151.75	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	190.27	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	204.68	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	218.59	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	195.12	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	23.55	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	17.53	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	18.86	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	100.16	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	109.82	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	147.15	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	63.95	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	44.29	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	10.71	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	73.93	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	37.89	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	41.82	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	26.23	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	34.82	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	39.57	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	29.08	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	228.77	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	289.01	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	173.39	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	93.58	11.48
		For 150 LB Rating, Add	*6.02*	
		For 200 LB Rating, Add	*9.02*	
		For Work In Restricted Working Space, Add	*10.03*	
22 05 23 00-0004	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	95.34	11.48
		For 150 LB Rating, Add	*6.02*	
		For 200 LB Rating, Add	*9.02*	
		For Work In Restricted Working Space, Add	*10.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0005	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	97.54	11.48
		For 150 LB Rating, Add	*6.05*	
		For 200 LB Rating, Add	*9.08*	
		For Work In Restricted Working Space, Add	*11.11*	
22 05 23 00-0006	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	114.94	12.63
		For 150 LB Rating, Add	*6.50*	
		For 200 LB Rating, Add	*9.75*	
		For Work In Restricted Working Space, Add	*14.98*	
22 05 23 00-0007	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	140.08	14.35
		For 150 LB Rating, Add	*7.97*	
		For 200 LB Rating, Add	*11.95*	
		For Work In Restricted Working Space, Add	*18.13*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	206.60	15.28
		For 150 LB Rating, Add	*13.01*	
		For 200 LB Rating, Add	*19.51*	
		For Work In Restricted Working Space, Add	*22.97*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	229.66	17.68
		For 150 LB Rating, Add	*14.13*	
		For 200 LB Rating, Add	*21.20*	
		For Work In Restricted Working Space, Add	*26.50*	
22 05 23 00-0010	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	275.62	20.89
		For 150 LB Rating, Add	*17.12*	
		For 200 LB Rating, Add	*25.69*	
		For Work In Restricted Working Space, Add	*31.31*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	637.69	28.23
		For 150 LB Rating, Add	*49.67*	
		For 200 LB Rating, Add	*74.51*	
		For Work In Restricted Working Space, Add	*42.29*	
		For Chain Operated Type, Add	*223.52*	
22 05 23 00-0012	EA	3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	748.79	32.78
		For 150 LB Rating, Add	*58.61*	
		For 200 LB Rating, Add	*87.92*	
		For Work In Restricted Working Space, Add	*48.80*	

22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

22 05 23 00-0014	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	113.62	11.48
		For 150 LB Rating, Add	*8.02*	
		For 200 LB Rating, Add	*12.03*	
		For Work In Restricted Working Space, Add	*10.03*	
22 05 23 00-0015	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	115.21	11.48
		For 150 LB Rating, Add	*8.00*	
		For 200 LB Rating, Add	*12.00*	
		For Work In Restricted Working Space, Add	*10.56*	
22 05 23 00-0016	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	134.58	11.48
		For 150 LB Rating, Add	*9.75*	
		For 200 LB Rating, Add	*14.63*	
		For Work In Restricted Working Space, Add	*11.11*	
22 05 23 00-0017	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	151.98	12.63
		For 150 LB Rating, Add	*10.21*	
		For 200 LB Rating, Add	*15.31*	
		For Work In Restricted Working Space, Add	*14.98*	
22 05 23 00-0018	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	182.34	14.35
		For 150 LB Rating, Add	*12.19*	
		For 200 LB Rating, Add	*18.29*	
		For Work In Restricted Working Space, Add	*18.13*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	264.40	15.28
		For 150 LB Rating, Add	*18.79*	
		For 200 LB Rating, Add	*28.18*	
		For Work In Restricted Working Space, Add	*22.97*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	302.36	17.68
		For 150 LB Rating, Add	*21.40*	
		For 200 LB Rating, Add	*32.11*	
		For Work In Restricted Working Space, Add	*26.50*	
22 05 23 00-0021	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	387.95	20.89
		For 150 LB Rating, Add	*28.36*	
		For 200 LB Rating, Add	*42.54*	
		For Work In Restricted Working Space, Add	*31.31*	

22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*

Note: 200 psi cold working pressure.

22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	131.75	11.48
		For Work In Restricted Working Space, Add	*7.75*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	148.34	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	195.31	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	267.23	15.28
		For Work In Restricted Working Space, Add	*11.63*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	309.98	17.68
		For Work In Restricted Working Space, Add	*12.92*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	427.44	20.89
		For Work In Restricted Working Space, Add	*15.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0029		**Ball Valves** *(22 05 23)*		
22 05 23 00-0030		**Crimped Bronze, Ball Valves** *(22 05 23 00-0029)*		
22 05 23 00-0031		**Crimped Bronze, 250 PSI, Ball Valves** *(22 05 23 00-0030)* Note: Nibco®		
22 05 23 00-0032	EA	1/2" Crimped Bronze, 250 PSI, Ball Valve	89.81	11.48
		For Work In Restricted Working Space, Add	*7.75*	
22 05 23 00-0033	EA	3/4" Crimped Bronze, 250 PSI, Ball Valve	116.59	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0034	EA	1" Crimped Bronze, 250 PSI, Ball Valve	149.90	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0035	EA	1-1/4" Crimped Bronze, 250 PSI, Ball Valve	243.97	15.28
		For Work In Restricted Working Space, Add	*11.63*	
22 05 23 00-0036	EA	1-1/2" Crimped Bronze, 250 PSI, Ball Valve	323.27	17.68
		For Work In Restricted Working Space, Add	*12.92*	
22 05 23 00-0037	EA	2" Crimped Bronze, 250 PSI, Ball Valve	488.52	20.89
		For Work In Restricted Working Space, Add	*15.50*	
22 05 23 00-0038		**Crimped Bronze, 200 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	54.07	11.48
		For Work In Restricted Working Space, Add	*7.75*	
22 05 23 00-0040	EA	3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	69.10	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0041	EA	1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	84.00	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0042	EA	1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	118.12	15.28
		For Work In Restricted Working Space, Add	*11.63*	
22 05 23 00-0043	EA	1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	152.95	17.68
		For Work In Restricted Working Space, Add	*12.92*	
22 05 23 00-0044	EA	2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	227.19	20.89
		For Work In Restricted Working Space, Add	*15.50*	
22 05 23 00-0045		**Crimped Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0046	EA	1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	62.47	11.48
		For Work In Restricted Working Space, Add	*7.75*	
22 05 23 00-0047	EA	3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	75.21	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0048	EA	1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	93.77	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0049	EA	1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	148.64	15.28
		For Work In Restricted Working Space, Add	*11.63*	
22 05 23 00-0050	EA	1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	218.58	17.68
		For Work In Restricted Working Space, Add	*12.92*	
22 05 23 00-0051	EA	2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	303.50	20.89
		For Work In Restricted Working Space, Add	*15.50*	
22 05 23 00-0052		**Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0053	EA	1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	60.18	11.48
		For Work In Restricted Working Space, Add	*7.75*	
22 05 23 00-0054	EA	3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	73.07	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0055	EA	1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	88.88	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0056		**Check Valves** *(22 05 23)*		
22 05 23 00-0057		**Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves** *(22 05 23 00-0056)* Note: Nibco®		
22 05 23 00-0058	EA	1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	173.66	11.48
		For Work In Restricted Working Space, Add	*7.75*	
22 05 23 00-0059	EA	3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	221.38	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0060	EA	1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	306.54	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0061	EA	1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	409.41	15.28
		For Work In Restricted Working Space, Add	*11.63*	
22 05 23 00-0062	EA	1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	488.74	17.68
		For Work In Restricted Working Space, Add	*12.92*	
22 05 23 00-0063	EA	2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	700.34	20.89
		For Work In Restricted Working Space, Add	*15.50*	
22 05 23 00-0064		**Crimped Bronze, 250 PSI, In-Line, Check Valves** *(22 05 23 00-0056)*		
22 05 23 00-0065	EA	1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	47.63	11.48
		For Work In Restricted Working Space, Add	*7.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0066	EA	3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	57.31	12.63
		For Work In Restricted Working Space, Add	*8.83*	
22 05 23 00-0067	EA	1" Crimped Bronze, 200 PSI, In-Line Check Valve	67.30	14.35
		For Work In Restricted Working Space, Add	*10.55*	
22 05 23 00-0068	EA	1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	85.22	15.28
		For Work In Restricted Working Space, Add	*11.63*	
22 05 23 00-0069	EA	1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	109.04	17.68
		For Work In Restricted Working Space, Add	*12.92*	
22 05 23 00-0070	EA	2" Crimped Bronze, 200 PSI, In-Line Check Valve	171.74	20.89
		For Work In Restricted Working Space, Add	*15.50*	

22 05 23 00-0071 Butterfly Valves *(22 05 23)*

22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*

22 05 23 00-0073	EA	2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,309.36	30.66
		For Work In Restricted Working Space, Add	*18.08*	
22 05 23 00-0074	EA	3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,416.93	35.60
		For Work In Restricted Working Space, Add	*21.53*	
22 05 23 00-0075	EA	4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,770.83	40.19
		For Work In Restricted Working Space, Add	*28.42*	

22 05 23 00-0076 Regulators, Clay Valve *(22 05 23)*

22 05 23 00-0077	EA	4" Regulator - Clay Valve	3,075.75
22 05 23 00-0078	EA	8" Regulator - Clay Valve	4,183.01
22 05 23 00-0079	EA	10" Regulator - Clay Valve	5,709.37
22 05 23 00-0080	EA	12" Regulator - Clay Valve	6,932.65
22 05 23 00-0081	EA	18" Regulator - Clay Valve	12,136.06
22 05 23 00-0082	EA	24" Regulator - Clay Valve	19,618.27

22 05 23 00-0083 Oxygen (Medical) Service Ball Valve *(22 05 23)*

22 05 23 00-0084	EA	1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE6)	362.35	20.89
22 05 23 00-0085	EA	3/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE8)	373.49	22.97
22 05 23 00-0086	EA	1" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HCA)	504.60	24.23
22 05 23 00-0087	EA	1-1/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEB)	614.12	30.66
22 05 23 00-0088	EA	1-1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEC)	532.95	35.36
22 05 23 00-0089	EA	2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ9210D)	814.54	41.80

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	701.30	61.08
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	756.32	76.59
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	944.80	92.55
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,360.22	103.56
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,676.49	112.17
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0008		Cast Iron Heavy Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*		
22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	809.57	61.08
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	866.31	76.59
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,054.79	92.55
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,470.21	103.56
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,786.48	112.17
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0014		Wall Cover For Cleanout *(22 05 76)*		
		Note: Cover and screw only.		
22 05 76 00-0015		Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	103.58	19.17
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	111.24	22.97
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	142.75	25.84
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	244.74	28.71
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	370.78	31.58
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0021		Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	562.18	19.17
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	811.50	20.09
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	867.15	21.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	969.91	24.12
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	572.20	19.17
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	826.25	20.09
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	882.93	21.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	987.54	24.12
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	554.90	19.17
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	769.40	20.09
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,093.04	21.24
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,323.72	24.12
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		Cast Iron Cleanout Tee *(22 05 76)*		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	506.66	61.08
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	577.62	76.47
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	755.59	92.55
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	1,826.13	112.17
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	891.18	61.08
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	962.15	76.47
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,114.60	92.55
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,345.51	112.17
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	415.27	49.94
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	464.56	54.54
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	619.32	71.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	935.58	84.97
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	1,604.63	100.46
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	80.28	14.35
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	96.62	15.62
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	167.87	17.22
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	187.66	20.09
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	212.12	22.97
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	299.75	25.84
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	443.53	28.71
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	753.33	31.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	1,086.60	34.45
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	32.17	14.35
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	32.78	14.35
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	35.76	15.62
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	40.52	17.22
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	47.89	20.09
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	56.36	22.96
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	60.58	24.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	65.17	25.84
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	85.54	28.70
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	31.70	14.35
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	32.37	14.35
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	37.07	15.62
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	40.71	17.22
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	47.33	20.09
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	55.47	22.97
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	64.69	25.84
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	77.69	28.71
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	359.40	24.20

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.35	2.37
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.56	2.37
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.10	2.48
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.44	2.58
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.73	2.58
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.31	2.69
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.87	2.80
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.51	2.90
		For Single Layer Of Felt Finish, Add	*0.39*	
		For Work In Restricted Working Space, Add	*2.34*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.18	3.12
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.60	3.66
		For Single Layer Of Felt Finish, Add	*0.60*	
		For Work In Restricted Working Space, Add	*2.96*	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.15	3.22
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.65*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.48	3.22
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.65*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.66	3.22
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.13	3.33
		For Single Layer Of Felt Finish, Add	*0.32*	
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.49	3.33
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.77*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.05	3.45
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.80	3.66
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.56	3.77
		For Single Layer Of Felt Finish, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.62	3.98
		For Single Layer Of Felt Finish, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.30	4.62
		For Single Layer Of Felt Finish, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.11	5.17
		For Single Layer Of Felt Finish, Add	*1.05*	
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.34	6.14
		For Single Layer Of Felt Finish, Add	*1.23*	
		For Work In Restricted Working Space, Add	*4.99*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.50	6.99
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*5.76*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.28	7.64
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*5.96*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.89	3.32
		For Single Layer Of Felt Finish, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.10	3.32
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.89	3.52
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.47	3.60
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.95	3.66
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.03	3.85
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.85	3.92
		For Single Layer Of Felt Finish, Add	*0.73*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.43	4.06
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.39	4.39
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.59	5.12
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.25*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.75	5.40
		For Single Layer Of Felt Finish, Add	*1.24*	
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.78	6.47
		For Single Layer Of Felt Finish, Add	*1.56*	
		For Work In Restricted Working Space, Add	*5.37*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.04	7.53
		For Single Layer Of Felt Finish, Add	*1.70*	
		For Work In Restricted Working Space, Add	*6.26*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.60	8.25
		For Single Layer Of Felt Finish, Add	*1.97*	
		For Work In Restricted Working Space, Add	*6.86*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.45	3.66
		For Single Layer Of Felt Finish, Add	*0.77*	
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.70	3.66
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.36	3.77
		For Single Layer Of Felt Finish, Add	*0.85*	
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.95	3.77
		For Single Layer Of Felt Finish, Add	*0.90*	
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.56	3.87
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.30	3.98
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.39	4.09
		For Single Layer Of Felt Finish, Add	*1.06*	
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.57	4.30
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.79	4.51
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.27	5.30
		For Single Layer Of Felt Finish, Add	*1.52*	
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.51	5.60
		For Single Layer Of Felt Finish, Add	*1.88*	
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.10	6.70
		For Single Layer Of Felt Finish, Add	*2.25*	
		For Work In Restricted Working Space, Add	*5.59*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.89	8.04
		For Single Layer Of Felt Finish, Add	*2.48*	
		For Work In Restricted Working Space, Add	*6.69*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.79	8.76
		For Single Layer Of Felt Finish, Add	*2.80*	
		For Work In Restricted Working Space, Add	*9.34*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.49	10.28
		For Single Layer Of Felt Finish, Add	*3.19*	
		For Work In Restricted Working Space, Add	*9.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	68.76	10.79
		For Single Layer Of Felt Finish, Add	*3.79*	
		For Work In Restricted Working Space, Add	*9.80*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.84	12.33
		For Single Layer Of Felt Finish, Add	*4.25*	
		For Work In Restricted Working Space, Add	*11.21*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	90.01	14.90
		For Single Layer Of Felt Finish, Add	*4.71*	
		For Work In Restricted Working Space, Add	*13.54*	
22 07 19 00-0062		**2-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.88	4.30
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.23	4.30
		For Single Layer Of Felt Finish, Add	*1.11*	
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.18	4.30
		For Single Layer Of Felt Finish, Add	*1.19*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.91	4.41
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.66	4.41
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.67	4.62
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.19	4.73
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.56	4.95
		For Single Layer Of Felt Finish, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.77	5.17
		For Single Layer Of Felt Finish, Add	*1.85*	
		For Work In Restricted Working Space, Add	*4.25*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.46	5.49
		For Single Layer Of Felt Finish, Add	*2.14*	
		For Work In Restricted Working Space, Add	*4.82*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.64	6.56
		For Single Layer Of Felt Finish, Add	*3.33*	
		For Work In Restricted Working Space, Add	*5.38*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.47	7.53
		For Single Layer Of Felt Finish, Add	*4.07*	
		For Work In Restricted Working Space, Add	*6.20*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.02	9.36
		For Single Layer Of Felt Finish, Add	*4.34*	
		For Work In Restricted Working Space, Add	*7.71*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	76.05	10.33
		For Single Layer Of Felt Finish, Add	*5.04*	
		For Work In Restricted Working Space, Add	*8.42*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	88.74	13.13
		For Single Layer Of Felt Finish, Add	*5.55*	
		For Work In Restricted Working Space, Add	*10.76*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	95.68	13.77
		For Single Layer Of Felt Finish, Add	*6.09*	
		For Work In Restricted Working Space, Add	*11.30*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.50	15.71
		For Single Layer Of Felt Finish, Add	*6.87*	
		For Work In Restricted Working Space, Add	*12.91*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	127.25	18.98
		For Single Layer Of Felt Finish, Add	*7.90*	
		For Work In Restricted Working Space, Add	*15.60*	
22 07 19 00-0081		**3" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.11	4.76
		For Single Layer Of Felt Finish, Add	*1.18*	
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.49	4.76
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.48	4.80
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.26	4.83
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.13	4.89
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*3.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.20	5.07
		For Single Layer Of Felt Finish, Add	*1.52*	
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.86	5.24
		For Single Layer Of Felt Finish, Add	*1.64*	
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.36	5.43
		For Single Layer Of Felt Finish, Add	*1.74*	
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.90	5.73
		For Single Layer Of Felt Finish, Add	*2.03*	
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.05	6.51
		For Single Layer Of Felt Finish, Add	*2.35*	
		For Work In Restricted Working Space, Add	*5.30*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.50	7.25
		For Single Layer Of Felt Finish, Add	*3.65*	
		For Work In Restricted Working Space, Add	*5.91*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.33	8.37
		For Single Layer Of Felt Finish, Add	*4.47*	
		For Work In Restricted Working Space, Add	*6.82*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.62	10.41
		For Single Layer Of Felt Finish, Add	*4.76*	
		For Work In Restricted Working Space, Add	*8.48*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	83.53	11.36
		For Single Layer Of Felt Finish, Add	*5.53*	
		For Work In Restricted Working Space, Add	*9.26*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	97.47	14.51
		For Single Layer Of Felt Finish, Add	*6.09*	
		For Work In Restricted Working Space, Add	*11.83*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	105.10	15.24
		For Single Layer Of Felt Finish, Add	*6.69*	
		For Work In Restricted Working Space, Add	*12.42*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	119.20	17.43
		For Single Layer Of Felt Finish, Add	*7.54*	
		For Work In Restricted Working Space, Add	*14.21*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	139.79	21.04
		For Single Layer Of Felt Finish, Add	*8.67*	
		For Work In Restricted Working Space, Add	*17.16*	
22 07 19 00-0100		**3-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.94	5.17
		For Single Layer Of Felt Finish, Add	*1.24*	
		For Work In Restricted Working Space, Add	*4.25*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.38	5.17
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*4.25*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.84	5.17
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.67	5.27
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*4.30*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.66	5.27
		For Single Layer Of Felt Finish, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.36*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.77	5.49
		For Single Layer Of Felt Finish, Add	*1.66*	
		For Work In Restricted Working Space, Add	*4.50*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.59	5.70
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*4.66*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.12	5.91
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*4.82*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.15	6.24
		For Single Layer Of Felt Finish, Add	*2.22*	
		For Work In Restricted Working Space, Add	*5.10*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.73	7.10
		For Single Layer Of Felt Finish, Add	*2.57*	
		For Work In Restricted Working Space, Add	*5.79*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.53	7.85
		For Single Layer Of Felt Finish, Add	*3.99*	
		For Work In Restricted Working Space, Add	*6.45*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	71.37	9.04
		For Single Layer Of Felt Finish, Add	*4.89*	
		For Work In Restricted Working Space, Add	*7.44*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.41	11.29
		For Single Layer Of Felt Finish, Add	*5.20*	
		For Work In Restricted Working Space, Add	*9.25*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	91.28	12.37
		For Single Layer Of Felt Finish, Add	*6.05*	
		For Work In Restricted Working Space, Add	*10.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	106.51	15.71
		For Single Layer Of Felt Finish, Add	*6.67*	
		For Work In Restricted Working Space, Add	*12.91*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	114.80	16.56
		For Single Layer Of Felt Finish, Add	*7.31*	
		For Work In Restricted Working Space, Add	*13.55*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	130.25	18.93
		For Single Layer Of Felt Finish, Add	*8.25*	
		For Work In Restricted Working Space, Add	*15.50*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	152.72	22.81
		For Single Layer Of Felt Finish, Add	*9.48*	
		For Work In Restricted Working Space, Add	*18.72*	
22 07 19 00-0119		4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*		
22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.49	5.81
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*4.72*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.98	5.81
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*4.72*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.27	5.81
		For Single Layer Of Felt Finish, Add	*1.60*	
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.32	5.91
		For Single Layer Of Felt Finish, Add	*1.70*	
		For Work In Restricted Working Space, Add	*4.85*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.70	6.14
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.00*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.96	6.35
		For Single Layer Of Felt Finish, Add	*1.86*	
		For Work In Restricted Working Space, Add	*5.16*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.66	6.35
		For Single Layer Of Felt Finish, Add	*2.01*	
		For Work In Restricted Working Space, Add	*5.24*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.55	6.67
		For Single Layer Of Felt Finish, Add	*2.15*	
		For Work In Restricted Working Space, Add	*5.43*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.88	6.99
		For Single Layer Of Felt Finish, Add	*2.50*	
		For Work In Restricted Working Space, Add	*5.73*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.20	7.96
		For Single Layer Of Felt Finish, Add	*2.89*	
		For Work In Restricted Working Space, Add	*6.51*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.97	8.60
		For Single Layer Of Felt Finish, Add	*4.49*	
		For Work In Restricted Working Space, Add	*7.25*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.30	10.22
		For Single Layer Of Felt Finish, Add	*5.50*	
		For Work In Restricted Working Space, Add	*8.38*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	90.48	12.69
		For Single Layer Of Felt Finish, Add	*5.86*	
		For Work In Restricted Working Space, Add	*10.41*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	102.71	13.87
		For Single Layer Of Felt Finish, Add	*6.81*	
		For Work In Restricted Working Space, Add	*11.37*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	119.87	17.75
		For Single Layer Of Felt Finish, Add	*7.50*	
		For Work In Restricted Working Space, Add	*14.54*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	129.11	18.61
		For Single Layer Of Felt Finish, Add	*8.23*	
		For Work In Restricted Working Space, Add	*15.23*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	144.48	21.30
		For Single Layer Of Felt Finish, Add	*9.07*	
		For Work In Restricted Working Space, Add	*17.43*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	171.83	25.71
		For Single Layer Of Felt Finish, Add	*10.67*	
		For Work In Restricted Working Space, Add	*21.06*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	195.49	30.33
		For Single Layer Of Felt Finish, Add	*11.84*	
		For Work In Restricted Working Space, Add	*24.82*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	219.26	35.71
		For Single Layer Of Felt Finish, Add	*12.79*	
		For Work In Restricted Working Space, Add	*29.23*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	245.77	42.17
		For Single Layer Of Felt Finish, Add	*13.69*	
		For Work In Restricted Working Space, Add	*34.63*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	294.84	53.61
		For Single Layer Of Felt Finish, Add	*15.55*	
		For Work In Restricted Working Space, Add	*44.03*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	343.92	65.29
		For Single Layer Of Felt Finish, Add	*17.41*	
		For Work In Restricted Working Space, Add	*53.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	368.52	71.75
		For Single Layer Of Felt Finish, Add	*18.08*	
		For Work In Restricted Working Space, Add	*58.89*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	390.90	77.23
		For Single Layer Of Felt Finish, Add	*18.81*	
		For Work In Restricted Working Space, Add	*63.53*	

22 07 19 00-0145 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0146 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	18.96	5.25
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	19.74	5.25
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	20.76	5.33
		For Work In Restricted Working Space, Add	*4.84*	
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	21.25	5.40
		For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	22.01	5.47
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	23.46	5.62
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	25.27	5.86
		For Work In Restricted Working Space, Add	*5.33*	
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	27.25	6.01
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	31.50	6.47
		For Work In Restricted Working Space, Add	*5.88*	
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	40.11	7.29
		For Work In Restricted Working Space, Add	*6.63*	

22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.47	5.82
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.96	5.82
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.69	5.89
		For Work In Restricted Working Space, Add	*5.19*	
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.26	5.97
		For Work In Restricted Working Space, Add	*5.25*	
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.81	6.05
		For Work In Restricted Working Space, Add	*5.33*	
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.90	6.25
		For Work In Restricted Working Space, Add	*5.50*	
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.48	6.49
		For Work In Restricted Working Space, Add	*5.71*	
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.65	6.68
		For Work In Restricted Working Space, Add	*5.88*	
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.13	7.11
		For Work In Restricted Working Space, Add	*6.26*	
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	44.91	8.06
		For Work In Restricted Working Space, Add	*7.09*	
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	50.23	8.99
		For Work In Restricted Working Space, Add	*7.90*	
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	60.95	10.36
		For Work In Restricted Working Space, Add	*9.11*	
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	72.31	12.87
		For Work In Restricted Working Space, Add	*11.33*	
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	80.35	13.54
		For Work In Restricted Working Space, Add	*12.31*	
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	88.45	15.12
		For Work In Restricted Working Space, Add	*13.75*	
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	100.21	17.89
		For Work In Restricted Working Space, Add	*16.26*	
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	111.96	19.81
		For Work In Restricted Working Space, Add	*18.01*	
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	139.90	21.94
		For Work In Restricted Working Space, Add	*19.95*	

22 07 19 00-0176 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	25.28	6.01
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	26.04	6.01
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	27.01	6.07
		For Work In Restricted Working Space, Add	*5.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	28.45	6.17
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.89	6.24
		For Work In Restricted Working Space, Add	*5.67*	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	33.43	6.47
		For Work In Restricted Working Space, Add	*5.88*	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	35.07	6.70
		For Work In Restricted Working Space, Add	*6.09*	
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	37.64	6.92
		For Work In Restricted Working Space, Add	*6.29*	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	42.40	7.30
		For Work In Restricted Working Space, Add	*6.64*	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	50.74	8.29
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	56.49	9.25
		For Work In Restricted Working Space, Add	*8.41*	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	68.78	10.66
		For Work In Restricted Working Space, Add	*9.70*	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	85.20	13.25
		For Work In Restricted Working Space, Add	*12.05*	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	91.00	14.47
		For Work In Restricted Working Space, Add	*13.15*	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	107.50	18.49
		For Work In Restricted Working Space, Add	*16.81*	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	117.24	19.41
		For Work In Restricted Working Space, Add	*17.64*	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	129.66	22.19
		For Work In Restricted Working Space, Add	*20.17*	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	162.71	26.81
		For Work In Restricted Working Space, Add	*24.38*	

22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.74	6.52
		For Work In Restricted Working Space, Add	*5.93*	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	32.03	6.51
		For Work In Restricted Working Space, Add	*5.92*	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.66	6.62
		For Work In Restricted Working Space, Add	*6.02*	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.11	6.67
		For Work In Restricted Working Space, Add	*6.06*	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.58	6.72
		For Work In Restricted Working Space, Add	*6.11*	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.23	6.99
		For Work In Restricted Working Space, Add	*6.36*	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.75	7.24
		For Work In Restricted Working Space, Add	*6.58*	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.37	7.49
		For Work In Restricted Working Space, Add	*6.81*	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	50.89	7.90
		For Work In Restricted Working Space, Add	*7.18*	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	60.87	8.99
		For Work In Restricted Working Space, Add	*8.16*	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	67.83	10.01
		For Work In Restricted Working Space, Add	*9.10*	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	77.38	11.54
		For Work In Restricted Working Space, Add	*10.49*	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	96.36	14.35
		For Work In Restricted Working Space, Add	*13.04*	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	100.42	15.67
		For Work In Restricted Working Space, Add	*14.24*	
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	118.28	20.02
		For Work In Restricted Working Space, Add	*18.20*	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	128.68	21.01
		For Work In Restricted Working Space, Add	*19.11*	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	147.97	24.02
		For Work In Restricted Working Space, Add	*21.84*	
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	185.40	29.03
		For Work In Restricted Working Space, Add	*26.39*	

22 07 19 00-0214 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	37.22	6.93
		For Work In Restricted Working Space, Add	*6.30*	
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	38.00	6.93
		For Work In Restricted Working Space, Add	*6.30*	
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	39.12	7.04
		For Work In Restricted Working Space, Add	*6.40*	
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	40.05	7.09
		For Work In Restricted Working Space, Add	*6.45*	
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	41.02	7.15
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	44.11	7.44
		For Work In Restricted Working Space, Add	*6.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	47.07	7.71
		For Work In Restricted Working Space, Add	*7.00*	
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	53.56	7.97
		For Work In Restricted Working Space, Add	*7.25*	
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	61.19	8.40
		For Work In Restricted Working Space, Add	*7.64*	
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	66.97	9.55
		For Work In Restricted Working Space, Add	*8.68*	
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	75.66	10.65
		For Work In Restricted Working Space, Add	*9.68*	
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	90.31	12.28
		For Work In Restricted Working Space, Add	*11.16*	
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	104.79	15.26
		For Work In Restricted Working Space, Add	*13.88*	
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	112.16	16.66
		For Work In Restricted Working Space, Add	*15.15*	
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	133.75	21.30
		For Work In Restricted Working Space, Add	*19.36*	
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	143.23	22.36
		For Work In Restricted Working Space, Add	*20.33*	
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	167.93	25.56
		For Work In Restricted Working Space, Add	*23.24*	
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	205.33	30.89
		For Work In Restricted Working Space, Add	*28.07*	

22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	44.82	8.40
		For Work In Restricted Working Space, Add	*7.64*	
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	45.80	8.40
		For Work In Restricted Working Space, Add	*7.64*	
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	46.95	8.45
		For Work In Restricted Working Space, Add	*7.69*	
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	48.09	8.51
		For Work In Restricted Working Space, Add	*7.74*	
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	49.40	8.61
		For Work In Restricted Working Space, Add	*7.83*	
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.43	8.92
		For Work In Restricted Working Space, Add	*8.10*	
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	59.50	9.23
		For Work In Restricted Working Space, Add	*8.39*	
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	62.87	9.55
		For Work In Restricted Working Space, Add	*8.68*	
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	67.36	10.10
		For Work In Restricted Working Space, Add	*9.18*	
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	77.56	11.46
		For Work In Restricted Working Space, Add	*10.42*	
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	88.23	12.76
		For Work In Restricted Working Space, Add	*11.61*	
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	105.60	14.74
		For Work In Restricted Working Space, Add	*13.40*	
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	124.66	18.31
		For Work In Restricted Working Space, Add	*16.65*	
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	129.91	20.00
		For Work In Restricted Working Space, Add	*18.18*	
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	155.50	25.56
		For Work In Restricted Working Space, Add	*23.24*	
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	171.09	26.84
		For Work In Restricted Working Space, Add	*24.40*	
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	194.77	30.69
		For Work In Restricted Working Space, Add	*27.90*	
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	239.27	37.05
		For Work In Restricted Working Space, Add	*33.69*	

22 07 19 00-0252 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	54.57	10.33
		For Work In Restricted Working Space, Add	*9.38*	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	55.83	10.33
		For Work In Restricted Working Space, Add	*9.38*	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	57.63	10.50
		For Work In Restricted Working Space, Add	*9.55*	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	59.27	10.63
		For Work In Restricted Working Space, Add	*9.66*	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	61.54	10.96
		For Work In Restricted Working Space, Add	*9.96*	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	66.57	11.29
		For Work In Restricted Working Space, Add	*10.27*	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	71.08	11.47
		For Work In Restricted Working Space, Add	*10.43*	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	74.65	11.90
		For Work In Restricted Working Space, Add	*10.82*	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	81.54	13.27
		For Work In Restricted Working Space, Add	*12.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	94.50	14.24
		For Work In Restricted Working Space, Add	*12.95*	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	106.80	15.44
		For Work In Restricted Working Space, Add	*14.04*	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	122.20	18.36
		For Work In Restricted Working Space, Add	*16.68*	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	142.55	22.80
		For Work In Restricted Working Space, Add	*20.72*	
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	154.99	24.89
		For Work In Restricted Working Space, Add	*22.64*	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	183.58	31.82
		For Work In Restricted Working Space, Add	*28.94*	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	204.60	33.36
		For Work In Restricted Working Space, Add	*30.32*	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	229.22	38.17
		For Work In Restricted Working Space, Add	*34.71*	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	291.11	46.12
		For Work In Restricted Working Space, Add	*41.93*	

22 07 19 00-0271 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0272 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0273	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	10.12	2.48
22 07 19 00-0274	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.29	2.58
22 07 19 00-0275	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.91	2.80
22 07 19 00-0276	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.56	2.90
22 07 19 00-0277	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.98	2.90
22 07 19 00-0278	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.74	3.01
22 07 19 00-0279	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.78	3.12
22 07 19 00-0280	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.78	3.33
22 07 19 00-0281	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	18.58	3.98
22 07 19 00-0282	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	22.35	4.51
22 07 19 00-0283	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	26.49	5.27
22 07 19 00-0284	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	29.98	5.70
22 07 19 00-0285	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	35.52	6.99

22 07 19 00-0286 1" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0287	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	12.05	2.58
22 07 19 00-0288	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.68	2.80
22 07 19 00-0289	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.45	2.90
22 07 19 00-0290	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.28	3.01
22 07 19 00-0291	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.98	3.12
22 07 19 00-0292	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.98	3.12
22 07 19 00-0293	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.32	3.33
22 07 19 00-0294	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	19.73	3.55
22 07 19 00-0295	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	23.30	4.19
22 07 19 00-0296	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	29.49	5.27
22 07 19 00-0297	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	35.47	6.24
22 07 19 00-0298	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	40.69	6.99
22 07 19 00-0299	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	46.03	7.85

22 07 19 00-0300 1-1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0301	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	15.57	2.90
22 07 19 00-0302	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	16.49	3.01
22 07 19 00-0303	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.52	3.12
22 07 19 00-0304	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.34	3.22
22 07 19 00-0305	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.56	3.33
22 07 19 00-0306	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	21.24	3.55
22 07 19 00-0307	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	22.89	3.66
22 07 19 00-0308	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	27.07	4.51
22 07 19 00-0309	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	34.64	5.70
22 07 19 00-0310	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	42.12	6.99
22 07 19 00-0311	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	48.59	7.85
22 07 19 00-0312	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	53.77	8.39

22 07 19 00-0313 2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0314	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	20.35	3.01
22 07 19 00-0315	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	21.65	3.12
22 07 19 00-0316	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.81	3.33
22 07 19 00-0317	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.80	3.33
22 07 19 00-0318	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	24.71	3.55
22 07 19 00-0319	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	26.80	3.77
22 07 19 00-0320	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	28.22	3.98
22 07 19 00-0321	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	33.56	4.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0322	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	40.69	6.24
22 07 19 00-0323	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	53.39	7.85
22 07 19 00-0324	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	56.50	9.04
22 07 19 00-0325	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	61.61	9.68

22 07 19 00-0326 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0327 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*

22 07 19 00-0328	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.96	3.21
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0329	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.97	3.21
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0330	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.26	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0331	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.56	3.45
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0332	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.87	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0333	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.23	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0334	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.38	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0335	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.80	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0336	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.62	3.67
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0337	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.97	3.74
		For Work In Restricted Working Space, Add	*2.25*	

22 07 19 00-0338 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*

22 07 19 00-0339	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.75	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0340	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.84	3.51
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0341	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.99	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0342	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.16	3.59
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0343	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.61	3.67
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0344	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.99	3.74
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0345	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.44	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0346	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.98	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0347	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.92	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0348	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.91	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0349	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.84	4.07
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0350	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.40	4.12
		For Work In Restricted Working Space, Add	*2.48*	

22 07 19 00-0351 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*

22 07 19 00-0352	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.69	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0353	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.79	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0354	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.42	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0355	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.69	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0356	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.47	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0357	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.29	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0358	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.66	4.20
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0359	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.18	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0360	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.28	4.34
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0361	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.38	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0362	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.89	4.46
		For Work In Restricted Working Space, Add	*2.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0363	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.52	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0364		**1" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0326)*		
22 07 19 00-0365	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.94	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0366	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.21	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0367	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.12	4.34
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0368	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.38	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0369	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.76	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0370	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.42	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0371	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.69	4.69
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0372	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.04	4.74
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.97	4.87
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0374	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.80	4.92
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0375		**Flexible Elastomeric Tubing Closed Cell Foam Insulation** *(22 07 19)*		
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0376		**3/8" Wall Flexible Elastomeric Tubing Foam Insulation** *(22 07 19 00-0375)*		
22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.26	3.21
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.40	3.21
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.70	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.89	3.38
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.07	3.45
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.34	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.58	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.83	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.04	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.27	3.62
		For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.57	3.67
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.85	3.67
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.04	3.74
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.32	3.74
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0391	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.95	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0392	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.66	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0393	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.48	3.86
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0394		**1/2" Wall Flexible Elastomeric Tubing Foam Insulation** *(22 07 19 00-0375)*		
22 07 19 00-0395	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.24	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0396	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.36	3.51
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0397	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.50	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0398	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.70	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0399	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.85	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0400	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.23	3.67
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0401	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.59	3.74
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0402	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.92	3.79
		For Work In Restricted Working Space, Add	*2.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0403	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.25	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0404	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.51	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0405	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.56	3.91
		For Work In Restricted Working Space, Add	*2.34*	
22 07 19 00-0406	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.18	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0407	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.64	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-0408	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.04	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0409	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.33	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-0410	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.57	4.07
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0411	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.76	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0412	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.04	4.15
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0413	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.22	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0414	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.57	4.29
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0415	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.09	4.41
		For Work In Restricted Working Space, Add	*2.64*	

22 07 19 00-0416 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0375)*

22 07 19 00-0417	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.56	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.84	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.26	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.51	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.63	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.25	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.76	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.26	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.40	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.60	4.27
		For Work In Restricted Working Space, Add	*2.56*	
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.21	4.29
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.53	4.34
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.23	4.38
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.70	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.44	4.44
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.72	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.83	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.71	4.55
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.21	4.57
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.77	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0437	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.67	4.74
		For Work In Restricted Working Space, Add	*2.85*	

22 07 19 00-0438 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0375)*

22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.27	4.17
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.62	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.06	4.34
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0442	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.45	4.38
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0443	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.78	4.41
		For Work In Restricted Working Space, Add	*2.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0444	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.37	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0445	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.28	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0446	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.75	4.63
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0447	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.37	4.69
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0448	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.61	4.74
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0449	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.97	4.81
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0450	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.03	4.87
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0451	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.39	4.90
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0452	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.78	4.92
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0453	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.49	4.95
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0454	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.83	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0455	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.42	5.09
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0456	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.17	5.14
		For Work In Restricted Working Space, Add	*3.09*	
22 07 19 00-0457	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.75	5.20
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0458	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.49	5.31
		For Work In Restricted Working Space, Add	*3.19*	

22 07 19 00-0459 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0375)*

22 07 19 00-0460	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.62	4.67
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0461	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.07	4.78
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0462	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.47	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0463	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.87	4.86
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0464	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.40	4.96
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0465	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.29	5.14
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0466	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.56	5.07
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0467	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.67	5.19
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0468	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.35	5.31
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0469	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.48	5.38
		For Work In Restricted Working Space, Add	*3.22*	
22 07 19 00-0470	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.49	5.44
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0471	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.45	5.46
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0472	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.39	5.47
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0473	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.49	5.51
		For Work In Restricted Working Space, Add	*3.30*	
22 07 19 00-0474	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.19	5.53
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0475	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.96	5.73
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0476	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.98	5.82
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-0477	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.89	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0478	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	46.76	6.08
		For Work In Restricted Working Space, Add	*3.65*	

22 07 19 00-0479 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0375)*

22 07 19 00-0480	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.90	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0481	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.94	5.24
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0482	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.78	5.28
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0483	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.40	5.33
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0484	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.93	5.43
		For Work In Restricted Working Space, Add	*3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0485	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.79	5.69
		For Work In Restricted Working Space, Add	*3.41*	
22 07 19 00-0486	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.90	5.55
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0487	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.89	5.74
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0488	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.80	5.93
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0489	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.08	6.01
		For Work In Restricted Working Space, Add	*3.60*	
22 07 19 00-0490	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.71	6.08
		For Work In Restricted Working Space, Add	*3.63*	
22 07 19 00-0491	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.03	6.09
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0492	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.49	6.10
		For Work In Restricted Working Space, Add	*3.67*	
22 07 19 00-0493	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	46.21	6.14
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0494	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	48.04	6.17
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0495	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.08	6.46
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0496	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	57.60	6.58
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0497	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	58.63	6.71
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0498	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	65.93	6.98
		For Work In Restricted Working Space, Add	*4.19*	

22 07 19 00-0499 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0500 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0501	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.98	3.21
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0502	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.06	3.21
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0503	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.32	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0504	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.64	3.45
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0505	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.84	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0506	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.20	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0507	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.48	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0508	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.68	3.67
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0509	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.57	3.67
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0510	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.35	3.74
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0511	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.38	3.84
		For Work In Restricted Working Space, Add	*2.30*	

22 07 19 00-0512 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0513	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.82	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0514	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.89	3.51
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0515	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.06	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0516	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.28	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0517	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.55	3.67
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0518	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.95	3.74
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0519	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.39	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0520	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.80	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0521	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.75	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0522	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.60	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0523	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.19	4.12
		For Work In Restricted Working Space, Add	*2.48*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0524		3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*		
22 07 19 00-0525	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.81	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0526	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.10	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0527	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.48	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0528	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.06	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0529	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.59	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0530	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.52	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0531	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.12	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0532	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.81	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0533	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.15	4.34
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0534	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.36	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0535	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.70	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0536		1" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*		
22 07 19 00-0537	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.51	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0538	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.66	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0539	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.04	4.34
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0540	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.86	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0541	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.56	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0542	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.26	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0543	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.95	4.63
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0544	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.49	4.74
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0545	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.55	4.87
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0546	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.02	4.92
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0547		Flexible Elastomeric Unicellular Insulation *(22 07 19)*		
		Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0548		3/8" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0547)*		
22 07 19 00-0549	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	8.10	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0550	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	8.59	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0551	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.02	3.46
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0552	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.42	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-0553	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.86	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0554	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.55	3.59
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0555	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.38	3.68
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0556	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.50	3.70
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0557	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.00	3.76
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0558		1/2" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0547)*		
22 07 19 00-0559	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	9.42	3.46
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0560	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	9.89	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0561	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.26	3.56
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0562	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.81	3.67
		For Work In Restricted Working Space, Add	*2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0563	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.26	3.74
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0564	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.96	3.79
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0565	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.28	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0566	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.47	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0567	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	16.91	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0568	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	19.83	4.07
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0569	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	21.20	4.12
		For Work In Restricted Working Space, Add	*2.48*	

22 07 19 00-0570 3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0547)*

22 07 19 00-0571	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	11.39	3.77
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-0572	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.13	3.96
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0573	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.07	4.01
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0574	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.40	4.13
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0575	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.39	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0576	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.80	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0577	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	19.89	4.27
		For Work In Restricted Working Space, Add	*2.56*	
22 07 19 00-0578	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	23.03	4.35
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0579	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	25.20	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0580	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	28.80	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0581	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	30.44	4.51
		For Work In Restricted Working Space, Add	*2.71*	

22 07 19 00-0582 1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0547)*

22 07 19 00-0583	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	15.44	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0584	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	16.24	4.35
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0585	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.10	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0586	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	20.34	4.51
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0587	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	22.35	4.63
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0588	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	23.88	4.69
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0589	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	26.95	4.74
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0590	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	34.36	4.87
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0591	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	39.71	4.92
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0592	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	42.59	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0593	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	48.50	5.09
		For Work In Restricted Working Space, Add	*3.05*	

22 07 19 00-0594 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required.

22 07 19 00-0595 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0594)*

22 07 19 00-0596 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0595)*

22 07 19 00-0597	SF	0.006" Aluminum Insulation Jacket With Bands	16.38	6.88
22 07 19 00-0598	SF	0.010" Aluminum Insulation Jacket With Bands	16.72	6.88
22 07 19 00-0599	SF	0.016" Aluminum Insulation Jacket With Bands	17.05	6.88
22 07 19 00-0600	SF	0.020" Aluminum Insulation Jacket With Bands	17.35	6.88
22 07 19 00-0601	SF	0.024" Aluminum Insulation Jacket With Bands	17.62	6.88

22 07 19 00-0602 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0603	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	8.56	1.95
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0604	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	8.96	2.00
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0605	LF	1" ID, 0.016" Aluminum Insulation Jacketing	9.36	2.05
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0606	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.77	2.10
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0607	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.12	2.13
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0608	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.45	2.17
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0609	LF	2" ID, 0.016" Aluminum Insulation Jacketing	10.85	2.21
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0610	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.26	2.26
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0611	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.70	2.30
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0612	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.07	2.34
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0613	LF	3" ID, 0.016" Aluminum Insulation Jacketing	12.51	2.39
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0614	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.95	2.45
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0615	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.39	2.50
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0616	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	13.79	2.55
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0617	LF	4" ID, 0.016" Aluminum Insulation Jacketing	14.25	2.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0618	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.73	2.67
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0619	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.24	2.74
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0620	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	15.67	2.79
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0621	LF	5" ID, 0.016" Aluminum Insulation Jacketing	16.18	2.87
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0622	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	16.72	2.95
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0623	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.19	3.01
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0624	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	17.77	3.09
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0625	LF	6" ID, 0.016" Aluminum Insulation Jacketing	18.35	3.18
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0626	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	18.76	3.23
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0627	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.18	3.28
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0628	LF	7" ID, 0.016" Aluminum Insulation Jacketing	19.90	3.36
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0629	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	20.43	3.45
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0630	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	20.87	3.50
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0631	LF	8" ID, 0.016" Aluminum Insulation Jacketing	21.54	3.56
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0632	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	22.22	3.62
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0633	LF	9" ID, 0.016" Aluminum Insulation Jacketing	23.02	3.71
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0634	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	23.74	3.78
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0635	LF	10" ID, 0.016" Aluminum Insulation Jacketing	24.43	3.84
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0636	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	25.16	3.91
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0637	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	26.03	4.02
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0638	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.79	4.10
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0639	LF	12" ID, 0.016" Aluminum Insulation Jacketing	27.54	4.18
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0640	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	28.48	4.30
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0641	LF	13" ID, 0.016" Aluminum Insulation Jacketing	29.09	4.34
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0642	LF	14" ID, 0.016" Aluminum Insulation Jacketing	30.16	4.39
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0643	LF	15" ID, 0.016" Aluminum Insulation Jacketing	31.39	4.48
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0644	LF	16" ID, 0.016" Aluminum Insulation Jacketing	32.47	4.53
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0645	LF	17" ID, 0.016" Aluminum Insulation Jacketing	33.73	4.62
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0646	LF	18" ID, 0.016" Aluminum Insulation Jacketing	34.53	4.67
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0647	LF	19" ID, 0.016" Aluminum Insulation Jacketing	36.10	4.79
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0648	LF	20" ID, 0.016" Aluminum Insulation Jacketing	37.22	4.84
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0649	LF	21" ID, 0.016" Aluminum Insulation Jacketing	38.53	4.95
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0650	LF	22" ID, 0.016" Aluminum Insulation Jacketing	39.63	5.01
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0651	LF	23" ID, 0.016" Aluminum Insulation Jacketing	40.99	5.12
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0652	LF	24" ID, 0.016" Aluminum Insulation Jacketing	42.10	5.19
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	

22 07 19 00-0653 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0654	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	9.53	2.16
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0655	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	10.00	2.21
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0656	LF	1" ID, 0.020" Aluminum Insulation Jacketing	10.50	2.26
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0657	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	10.99	2.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0658	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.40	2.35
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0659	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.81	2.38
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0660	LF	2" ID, 0.020" Aluminum Insulation Jacketing	12.29	2.43
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0661	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.77	2.48
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0662	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.28	2.53
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0663	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	13.73	2.57
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0664	LF	3" ID, 0.020" Aluminum Insulation Jacketing	14.27	2.63
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0665	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	14.78	2.69
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0666	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.31	2.75
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0667	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	15.78	2.80
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0668	LF	4" ID, 0.020" Aluminum Insulation Jacketing	16.32	2.87
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0669	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.89	2.94
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0670	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.50	3.01
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0671	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	18.00	3.07
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0672	LF	5" ID, 0.020" Aluminum Insulation Jacketing	18.61	3.15
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0673	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	19.23	3.24
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0674	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.78	3.31
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0675	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	20.47	3.41
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0676	LF	6" ID, 0.020" Aluminum Insulation Jacketing	21.14	3.51
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0677	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	21.63	3.56
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0678	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	22.13	3.62
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0679	LF	7" ID, 0.020" Aluminum Insulation Jacketing	22.98	3.70
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0680	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	23.60	3.79
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0681	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	24.13	3.85
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0682	LF	8" ID, 0.020" Aluminum Insulation Jacketing	24.95	3.92
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0683	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	25.75	3.98
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0684	LF	9" ID, 0.020" Aluminum Insulation Jacketing	26.71	4.08
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0685	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	27.57	4.15
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0686	LF	10" ID, 0.020" Aluminum Insulation Jacketing	28.42	4.22
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0687	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	29.28	4.30
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0688	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	30.31	4.42
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0689	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.24	4.50
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0690	LF	12" ID, 0.020" Aluminum Insulation Jacketing	32.14	4.59
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0691	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	33.24	4.73
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0692	LF	13" ID, 0.020" Aluminum Insulation Jacketing	33.98	4.79
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0693	LF	14" ID, 0.020" Aluminum Insulation Jacketing	35.32	4.83
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0694	LF	15" ID, 0.020" Aluminum Insulation Jacketing	36.83	4.93
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0695	LF	16" ID, 0.020" Aluminum Insulation Jacketing	38.16	4.99
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0696	LF	17" ID, 0.020" Aluminum Insulation Jacketing	39.69	5.09
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0697	LF	18" ID, 0.020" Aluminum Insulation Jacketing	40.67	5.15
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0698	LF	19" ID, 0.020" Aluminum Insulation Jacketing	42.60	5.26
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0699	LF	20" ID, 0.020" Aluminum Insulation Jacketing	43.98	5.32
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0700	LF	21" ID, 0.020" Aluminum Insulation Jacketing	45.56	5.44
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0701	LF	22" ID, 0.020" Aluminum Insulation Jacketing	46.91	5.50
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0702	LF	23" ID, 0.020" Aluminum Insulation Jacketing	48.58	5.63
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0703	LF	24" ID, 0.020" Aluminum Insulation Jacketing	49.95	5.70
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	

22 07 19 00-0704 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0705	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	10.50	2.35
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0706	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	11.05	2.40
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0707	LF	1" ID, 0.024" Aluminum Insulation Jacketing	11.60	2.46
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0708	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	12.17	2.52
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0709	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.66	2.56
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0710	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	13.14	2.60
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0711	LF	2" ID, 0.024" Aluminum Insulation Jacketing	13.68	2.65
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0712	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	14.23	2.70
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0713	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	14.83	2.76
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0714	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	15.34	2.81
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0715	LF	3" ID, 0.024" Aluminum Insulation Jacketing	15.96	2.87
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0716	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.56	2.93
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0717	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	17.16	3.00
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0718	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	17.70	3.05
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0719	LF	4" ID, 0.024" Aluminum Insulation Jacketing	18.32	3.13
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0720	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.95	3.20
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0721	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.66	3.28
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0722	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	20.24	3.35
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0723	LF	5" ID, 0.024" Aluminum Insulation Jacketing	20.93	3.45
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0724	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	21.63	3.54
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0725	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	22.27	3.61
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0726	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	23.05	3.72
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0727	LF	6" ID, 0.024" Aluminum Insulation Jacketing	23.82	3.83
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0728	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	24.37	3.88
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0729	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	24.95	3.94
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0730	LF	7" ID, 0.024" Aluminum Insulation Jacketing	25.94	4.03
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0731	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	26.65	4.13
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0732	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	27.25	4.20
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0733	LF	8" ID, 0.024" Aluminum Insulation Jacketing	28.21	4.27
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0734	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	29.13	4.34
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0735	LF	9" ID, 0.024" Aluminum Insulation Jacketing	30.23	4.45
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0736	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	31.24	4.53
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0737	LF	10" ID, 0.024" Aluminum Insulation Jacketing	32.23	4.61
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0738	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	33.23	4.69
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0739	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	34.41	4.83
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0740	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	35.47	4.92
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0741	LF	12" ID, 0.024" Aluminum Insulation Jacketing	36.52	5.02
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0742	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	37.78	5.17
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0743	LF	13" ID, 0.024" Aluminum Insulation Jacketing	38.65	5.22
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0744	LF	14" ID, 0.024" Aluminum Insulation Jacketing	40.22	5.27
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0745	LF	15" ID, 0.024" Aluminum Insulation Jacketing	41.98	5.38
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0746	LF	16" ID, 0.024" Aluminum Insulation Jacketing	43.56	5.43
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0747	LF	17" ID, 0.024" Aluminum Insulation Jacketing	45.34	5.55
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0748	LF	18" ID, 0.024" Aluminum Insulation Jacketing	46.49	5.61
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0749	LF	19" ID, 0.024" Aluminum Insulation Jacketing	48.76	5.73
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0750	LF	20" ID, 0.024" Aluminum Insulation Jacketing	50.38	5.80
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0751	LF	21" ID, 0.024" Aluminum Insulation Jacketing	52.22	5.93
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0752	LF	22" ID, 0.024" Aluminum Insulation Jacketing	53.83	6.00
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0753	LF	23" ID, 0.024" Aluminum Insulation Jacketing	55.76	6.15
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0754	LF	24" ID, 0.024" Aluminum Insulation Jacketing	57.36	6.22
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.81*	

22 07 19 00-0755 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0756	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	11.90	2.60
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0757	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	12.58	2.66
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0758	LF	1" ID, 0.032" Aluminum Insulation Jacketing	13.28	2.72
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0759	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	13.98	2.79
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0760	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	14.59	2.83
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0761	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	15.20	2.87
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0762	LF	2" ID, 0.032" Aluminum Insulation Jacketing	15.88	2.93
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0763	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	16.58	2.99
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0764	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	17.32	3.06
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0765	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	17.97	3.11
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0766	LF	3" ID, 0.032" Aluminum Insulation Jacketing	18.73	3.18
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0767	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	19.47	3.25
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0768	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	20.22	3.32
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0769	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	20.89	3.38
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0770	LF	4" ID, 0.032" Aluminum Insulation Jacketing	21.66	3.47
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0771	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	22.44	3.56
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0772	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	23.31	3.65
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0773	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	24.03	3.72
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0774	LF	5" ID, 0.032" Aluminum Insulation Jacketing	24.87	3.82
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0775	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	25.74	3.92
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0776	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	26.51	4.00
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0777	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	27.47	4.12
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0778	LF	6" ID, 0.032" Aluminum Insulation Jacketing	28.39	4.24
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0779	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	29.09	4.30
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0780	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	29.80	4.37
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0781	LF	7" ID, 0.032" Aluminum Insulation Jacketing	31.03	4.47
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0782	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	31.90	4.57
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0783	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	32.64	4.65
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0784	LF	8" ID, 0.032" Aluminum Insulation Jacketing	33.85	4.73
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0785	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	35.03	4.81
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0786	LF	9" ID, 0.032" Aluminum Insulation Jacketing	36.43	4.94
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0787	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	37.71	5.02
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0788	LF	10" ID, 0.032" Aluminum Insulation Jacketing	38.95	5.11
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0789	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	40.20	5.20
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0790	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	41.67	5.35
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0791	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	43.02	5.45
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0792	LF	12" ID, 0.032" Aluminum Insulation Jacketing	44.32	5.56
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0793	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	45.88	5.72
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0794	LF	13" ID, 0.032" Aluminum Insulation Jacketing	46.99	5.78
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0795	LF	14" ID, 0.032" Aluminum Insulation Jacketing	49.05	5.84
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0796	LF	15" ID, 0.032" Aluminum Insulation Jacketing	51.31	5.96
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.69*	
22 07 19 00-0797	LF	16" ID, 0.032" Aluminum Insulation Jacketing	53.39	6.02
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0798	LF	17" ID, 0.032" Aluminum Insulation Jacketing	55.66	6.16
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0799	LF	18" ID, 0.032" Aluminum Insulation Jacketing	57.15	6.22
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0800	LF	19" ID, 0.032" Aluminum Insulation Jacketing	60.09	6.36
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.87*	
22 07 19 00-0801	LF	20" ID, 0.032" Aluminum Insulation Jacketing	62.19	6.43
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.91*	
22 07 19 00-0802	LF	21" ID, 0.032" Aluminum Insulation Jacketing	64.55	6.58
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0803	LF	22" ID, 0.032" Aluminum Insulation Jacketing	66.62	6.66
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0804	LF	23" ID, 0.032" Aluminum Insulation Jacketing	69.08	6.81
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0805	LF	24" ID, 0.032" Aluminum Insulation Jacketing	71.18	6.89
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.09*	

22 07 19 00-0806 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0807	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	13.84	2.99
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0808	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	14.68	3.06
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0809	LF	1" ID, 0.040" Aluminum Insulation Jacketing	15.52	3.13
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0810	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	16.38	3.21
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0811	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	17.13	3.26
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0812	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	17.88	3.30
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0813	LF	2" ID, 0.040" Aluminum Insulation Jacketing	18.70	3.37
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0814	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	19.55	3.45
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0815	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	20.46	3.52
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0816	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	21.25	3.58
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0817	LF	3" ID, 0.040" Aluminum Insulation Jacketing	22.19	3.66
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0818	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	23.07	3.74
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0819	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.98	3.83
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0820	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	24.80	3.90
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0821	LF	4" ID, 0.040" Aluminum Insulation Jacketing	25.74	3.99
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0822	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	26.69	4.09
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0823	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.73	4.19
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0824	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	28.61	4.27
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0825	LF	5" ID, 0.040" Aluminum Insulation Jacketing	29.63	4.39
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0826	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	30.65	4.51
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0827	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	31.59	4.60
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0828	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	32.74	4.73
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0829	LF	6" ID, 0.040" Aluminum Insulation Jacketing	33.85	4.88
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0830	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	34.71	4.95
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0831	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.56	5.03
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0832	LF	7" ID, 0.040" Aluminum Insulation Jacketing	37.07	5.15
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0833	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	38.13	5.27
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0834	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	39.02	5.35
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0835	LF	8" ID, 0.040" Aluminum Insulation Jacketing	40.50	5.44
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0836	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	41.95	5.53
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0837	LF	9" ID, 0.040" Aluminum Insulation Jacketing	43.64	5.67
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0838	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	45.22	5.77
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0839	LF	10" ID, 0.040" Aluminum Insulation Jacketing	46.74	5.87
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0840	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	48.28	5.98
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0841	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	50.06	6.16
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0842	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	51.70	6.27
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0843	LF	12" ID, 0.040" Aluminum Insulation Jacketing	53.31	6.39
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.69*	
22 07 19 00-0844	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	55.18	6.58
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.72*	
22 07 19 00-0845	LF	13" ID, 0.040" Aluminum Insulation Jacketing	56.55	6.65
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0846	LF	14" ID, 0.040" Aluminum Insulation Jacketing	59.11	6.72
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0847	LF	15" ID, 0.040" Aluminum Insulation Jacketing	61.89	6.86
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.86*	
22 07 19 00-0848	LF	16" ID, 0.040" Aluminum Insulation Jacketing	64.46	6.93
		For Stucco Embossed, Add	*0.37*	
		For Corrugated, Add	*0.92*	
22 07 19 00-0849	LF	17" ID, 0.040" Aluminum Insulation Jacketing	67.29	7.08
		For Stucco Embossed, Add	*0.39*	
		For Corrugated, Add	*0.97*	
22 07 19 00-0850	LF	18" ID, 0.040" Aluminum Insulation Jacketing	69.11	7.15
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.01*	
22 07 19 00-0851	LF	19" ID, 0.040" Aluminum Insulation Jacketing	72.74	7.31
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.09*	
22 07 19 00-0852	LF	20" ID, 0.040" Aluminum Insulation Jacketing	75.35	7.39
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	
22 07 19 00-0853	LF	21" ID, 0.040" Aluminum Insulation Jacketing	78.24	7.57
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	
22 07 19 00-0854	LF	22" ID, 0.040" Aluminum Insulation Jacketing	80.82	7.66
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0855	LF	23" ID, 0.040" Aluminum Insulation Jacketing	83.84	7.84
		For Stucco Embossed, Add	*0.52*	
		For Corrugated, Add	*1.31*	
22 07 19 00-0856	LF	24" ID, 0.040" Aluminum Insulation Jacketing	86.43	7.93
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.37*	

22 07 19 00-0857 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0595)*

22 07 19 00-0858	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.29	3.07
22 07 19 00-0859	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.74	3.18
22 07 19 00-0860	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.08	3.31
22 07 19 00-0861	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.29	3.36
22 07 19 00-0862	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.50	3.42
22 07 19 00-0863	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.83	3.50
22 07 19 00-0864	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.36	3.59
22 07 19 00-0865	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.72	3.68
22 07 19 00-0866	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.71	3.74
22 07 19 00-0867	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.43	3.81
22 07 19 00-0868	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.69	3.91
22 07 19 00-0869	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.52	3.98
22 07 19 00-0870	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.82	4.06
22 07 19 00-0871	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.13	4.14
22 07 19 00-0872	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.95	4.22
22 07 19 00-0873	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.67	4.30
22 07 19 00-0874	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.46	4.43
22 07 19 00-0875	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.83	4.53
22 07 19 00-0876	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.77	4.67
22 07 19 00-0877	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	46.18	4.79
22 07 19 00-0878	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.37	4.95
22 07 19 00-0879	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	59.80	5.06
22 07 19 00-0880	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	60.04	5.12
22 07 19 00-0881	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	78.88	5.19
22 07 19 00-0882	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	64.34	5.25
22 07 19 00-0883	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	101.64	5.38
22 07 19 00-0884	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	102.18	5.52
22 07 19 00-0885	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	81.29	5.59
22 07 19 00-0886	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	81.59	5.66
22 07 19 00-0887	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	83.16	5.73
22 07 19 00-0888	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	83.47	5.81
22 07 19 00-0889	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	92.36	5.97
22 07 19 00-0890	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	92.69	6.06
22 07 19 00-0891	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	146.77	6.24
22 07 19 00-0892	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	147.14	6.33
22 07 19 00-0893	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	189.45	6.52
22 07 19 00-0894	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	197.69	6.72
22 07 19 00-0895	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	213.64	6.83
22 07 19 00-0896	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.09	3.42
22 07 19 00-0897	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.42	3.50
22 07 19 00-0898	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	27.27	3.59
22 07 19 00-0899	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	27.63	3.68
22 07 19 00-0900	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	29.70	3.74
22 07 19 00-0901	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.96	3.81
22 07 19 00-0902	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.63	3.91
22 07 19 00-0903	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.03	3.98
22 07 19 00-0904	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.33	4.06
22 07 19 00-0905	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.64	4.14
22 07 19 00-0906	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.94	4.22
22 07 19 00-0907	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.28	4.30
22 07 19 00-0908	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.79	4.43
22 07 19 00-0909	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.76	4.67
22 07 19 00-0910	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	48.85	4.95
22 07 19 00-0911	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	49.31	5.06
22 07 19 00-0912	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	50.06	5.19
22 07 19 00-0913	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	50.31	5.25
22 07 19 00-0914	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.00	5.38
22 07 19 00-0915	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.54	5.52
22 07 19 00-0916	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	73.00	5.59
22 07 19 00-0917	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	73.30	5.66
22 07 19 00-0918	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	70.32	5.73
22 07 19 00-0919	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	70.63	5.81
22 07 19 00-0920	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	80.82	5.97
22 07 19 00-0921	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.15	6.06
22 07 19 00-0922	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	92.10	6.33
22 07 19 00-0923	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	108.03	6.52
22 07 19 00-0924	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	153.16	6.72
22 07 19 00-0925	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	164.21	6.83
22 07 19 00-0926	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	161.42	6.94
22 07 19 00-0927	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	180.69	7.05
22 07 19 00-0928	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	214.92	7.17
22 07 19 00-0929	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	209.29	7.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0930	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	224.12	7.41
22 07 19 00-0931	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	98.05	4.89
22 07 19 00-0932	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	98.52	5.01
22 07 19 00-0933	EA	3" ID, Aluminum Tee Insulation Jacketing	109.17	5.12
22 07 19 00-0934	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	109.66	5.25
22 07 19 00-0935	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	114.45	5.38
22 07 19 00-0936	EA	4" ID, Aluminum Tee Insulation Jacketing	115.99	5.52
22 07 19 00-0937	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	122.00	5.66
22 07 19 00-0938	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	121.80	5.81
22 07 19 00-0939	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	122.45	5.97
22 07 19 00-0940	EA	5" ID, Aluminum Tee Insulation Jacketing	126.81	6.15
22 07 19 00-0941	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	127.53	6.33
22 07 19 00-0942	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	132.82	6.52
22 07 19 00-0943	EA	6" ID, Aluminum Tee Insulation Jacketing	133.64	6.72
22 07 19 00-0944	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	145.94	7.17
22 07 19 00-0945	EA	7" ID, Aluminum Tee Insulation Jacketing	146.93	7.41
22 07 19 00-0946	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	161.13	7.69
22 07 19 00-0947	EA	8" ID, Aluminum Tee Insulation Jacketing	162.26	7.97
22 07 19 00-0948	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	166.92	8.27
22 07 19 00-0949	EA	9" ID, Aluminum Tee Insulation Jacketing	168.25	8.60
22 07 19 00-0950	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	134.45	8.78
22 07 19 00-0951	EA	10" ID, Aluminum Tee Insulation Jacketing	135.17	8.97
22 07 19 00-0952	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	142.42	9.16
22 07 19 00-0953	EA	11" ID, Aluminum Tee Insulation Jacketing	143.22	9.35
22 07 19 00-0954	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	149.81	9.56
22 07 19 00-0955	EA	12" ID, Aluminum Tee Insulation Jacketing	150.69	9.78
22 07 19 00-0956	EA	13" ID, Aluminum Tee Insulation Jacketing	157.14	10.00
22 07 19 00-0957	EA	14" ID, Aluminum Tee Insulation Jacketing	163.84	10.25
22 07 19 00-0958	EA	15" ID, Aluminum Tee Insulation Jacketing	174.86	10.50
22 07 19 00-0959	EA	16" ID, Aluminum Tee Insulation Jacketing	179.25	10.76
22 07 19 00-0960	EA	17" ID, Aluminum Tee Insulation Jacketing	200.74	11.03
22 07 19 00-0961	EA	18" ID, Aluminum Tee Insulation Jacketing	208.00	11.32
22 07 19 00-0962	EA	19" ID, Aluminum Tee Insulation Jacketing	226.44	11.63
22 07 19 00-0963	EA	20" ID, Aluminum Tee Insulation Jacketing	231.67	11.95
22 07 19 00-0964	EA	22" ID, Aluminum Tee Insulation Jacketing	283.06	12.29
22 07 19 00-0965	EA	23" ID, Aluminum Tee Insulation Jacketing	291.01	12.65
22 07 19 00-0966	EA	24" ID, Aluminum Tee Insulation Jacketing	302.17	13.88
22 07 19 00-0967		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0594)*		
22 07 19 00-0968		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0967)*		
22 07 19 00-0969	SF	0.010" Stainless Steel Insulation Jacket With Bands	20.77	8.07
22 07 19 00-0970	SF	0.016" Stainless Steel Insulation Jacket With Bands	25.63	9.68
22 07 19 00-0971		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0967)*		
22 07 19 00-0972	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	11.05	1.72
22 07 19 00-0973	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	11.56	1.75
22 07 19 00-0974	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	12.08	1.79
22 07 19 00-0975	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	12.61	1.83
22 07 19 00-0976	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	13.15	1.87
22 07 19 00-0977	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	13.68	1.91
22 07 19 00-0978	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	14.23	1.95
22 07 19 00-0979	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	14.78	2.00
22 07 19 00-0980	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.33	2.05
22 07 19 00-0981	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	16.49	2.16
22 07 19 00-0982	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	17.68	2.27
22 07 19 00-0983	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	18.92	2.39
22 07 19 00-0984	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	19.93	2.46
22 07 19 00-0985	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	20.97	2.53
22 07 19 00-0986	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	22.09	2.62
22 07 19 00-0987	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	23.01	2.67
22 07 19 00-0988	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	23.95	2.72
22 07 19 00-0989	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	24.91	2.78
22 07 19 00-0990	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	25.87	2.83
22 07 19 00-0991	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	26.85	2.89
22 07 19 00-0992	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	27.83	2.95
22 07 19 00-0993	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	28.82	3.01
22 07 19 00-0994	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	30.81	3.14
22 07 19 00-0995	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	32.78	3.26
22 07 19 00-0996	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	34.45	3.31
22 07 19 00-0997		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0967)*		
22 07 19 00-0998	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	15.21	2.29
22 07 19 00-0999	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	15.92	2.34
22 07 19 00-1000	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	16.66	2.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1001	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	17.41	2.44
22 07 19 00-1002	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	18.16	2.49
22 07 19 00-1003	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	18.91	2.54
22 07 19 00-1004	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	19.69	2.60
22 07 19 00-1005	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	20.46	2.66
22 07 19 00-1006	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	21.25	2.72
22 07 19 00-1007	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	22.88	2.86
22 07 19 00-1008	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	24.55	3.01
22 07 19 00-1009	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	26.28	3.18
22 07 19 00-1010	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	27.72	3.27
22 07 19 00-1011	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	29.20	3.36
22 07 19 00-1012	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	30.75	3.49
22 07 19 00-1013	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	32.08	3.56
22 07 19 00-1014	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	33.43	3.63
22 07 19 00-1015	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	34.80	3.69
22 07 19 00-1016	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	36.16	3.77
22 07 19 00-1017	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	37.53	3.84
22 07 19 00-1018	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	36.94	3.92
22 07 19 00-1019	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	40.33	4.00
22 07 19 00-1020	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	43.17	4.18
22 07 19 00-1021	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	45.96	4.33
22 07 19 00-1022	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	48.37	4.40
22 07 19 00-1023		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0967)*		
22 07 19 00-1024	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	32.09	3.42
22 07 19 00-1025	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	32.42	3.50
22 07 19 00-1026	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.62	3.59
22 07 19 00-1027	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.98	3.68
22 07 19 00-1028	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	35.21	3.74
22 07 19 00-1029	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.62	3.81
22 07 19 00-1030	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.16	3.91
22 07 19 00-1031	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	47.19	3.98
22 07 19 00-1032	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	47.49	4.06
22 07 19 00-1033	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	48.84	4.22
22 07 19 00-1034	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	65.40	4.43
22 07 19 00-1035	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	71.03	4.67
22 07 19 00-1036	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	91.80	4.95
22 07 19 00-1037	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	92.26	5.06
22 07 19 00-1038	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	104.81	5.19
22 07 19 00-1039	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	105.60	5.38
22 07 19 00-1040	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	108.46	5.38
22 07 19 00-1041	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	154.30	5.52
22 07 19 00-1042	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	152.29	5.59
22 07 19 00-1043	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	152.59	5.66
22 07 19 00-1044	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	178.42	5.73
22 07 19 00-1045	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	171.67	5.81
22 07 19 00-1046	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	192.73	6.06
22 07 19 00-1047	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	258.75	6.33
22 07 19 00-1048	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	261.09	6.52
22 07 19 00-1049	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.02	3.42
22 07 19 00-1050	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.35	3.50
22 07 19 00-1051	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	30.87	3.59
22 07 19 00-1052	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.23	3.68
22 07 19 00-1053	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	31.70	3.74
22 07 19 00-1054	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.96	3.81
22 07 19 00-1055	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	37.16	3.91
22 07 19 00-1056	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	46.13	3.98
22 07 19 00-1057	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	46.43	4.06
22 07 19 00-1058	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	46.74	4.14
22 07 19 00-1059	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.58	4.22
22 07 19 00-1060	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.45	4.43
22 07 19 00-1061	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	55.13	4.67
22 07 19 00-1062	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	56.21	4.95
22 07 19 00-1063	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	81.88	5.06
22 07 19 00-1064	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	83.63	5.19
22 07 19 00-1065	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	83.88	5.25
22 07 19 00-1066	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	95.12	5.38
22 07 19 00-1067	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	95.66	5.52
22 07 19 00-1068	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	108.76	5.59
22 07 19 00-1069	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	109.06	5.66
22 07 19 00-1070	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	126.80	5.73
22 07 19 00-1071	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	127.11	5.81
22 07 19 00-1072	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.02	6.06
22 07 19 00-1073	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	158.02	6.33
22 07 19 00-1074		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0594)*		
22 07 19 00-1075		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1074)*		
22 07 19 00-1076	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.71	1.59

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1077	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		8.39	1.65
22 07 19 00-1078	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		8.98	1.72
22 07 19 00-1079	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		9.71	1.79
22 07 19 00-1080	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		10.37	1.87
22 07 19 00-1081	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		11.09	1.95
22 07 19 00-1082	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		11.85	2.05
22 07 19 00-1083	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		12.58	2.16
22 07 19 00-1084	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		13.43	2.27
22 07 19 00-1085	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		14.32	2.39
22 07 19 00-1086	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		14.97	2.46
22 07 19 00-1087	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		15.59	2.53
22 07 19 00-1088	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		16.42	2.62
22 07 19 00-1089	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		16.94	2.67
22 07 19 00-1090	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		17.52	2.72
22 07 19 00-1091	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		18.12	2.78
22 07 19 00-1092	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		18.73	2.83
22 07 19 00-1093	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		19.30	2.89
22 07 19 00-1094	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		19.92	2.95
22 07 19 00-1095	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		20.55	3.01
22 07 19 00-1096	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		21.19	3.07
22 07 19 00-1097	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		21.79	3.14
22 07 19 00-1098	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		22.52	3.21
22 07 19 00-1099	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		23.05	3.26
22 07 19 00-1100	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		23.43	3.26
22 07 19 00-1101	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		24.02	3.31
22 07 19 00-1102	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		25.01	3.36
22 07 19 00-1103	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		25.93	3.42
22 07 19 00-1104	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		26.93	3.47
22 07 19 00-1105	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		27.92	3.53
22 07 19 00-1106	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		28.89	3.59
22 07 19 00-1107	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		29.91	3.65
22 07 19 00-1108	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		30.87	3.71
22 07 19 00-1109	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		31.91	3.78
22 07 19 00-1110	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		32.89	3.84
22 07 19 00-1111	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		33.95	3.91
22 07 19 00-1112	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		35.02	3.98
22 07 19 00-1113	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		36.03	4.06
22 07 19 00-1114	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		37.12	4.14
22 07 19 00-1115	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		38.16	4.22
22 07 19 00-1116	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		39.27	4.30
22 07 19 00-1117	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		40.40	4.39
22 07 19 00-1118		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1074)*			
22 07 19 00-1119	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		9.22	1.65
22 07 19 00-1120	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		10.03	1.72
22 07 19 00-1121	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		10.93	1.79
22 07 19 00-1122	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		11.75	1.87
22 07 19 00-1123	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		12.64	1.95
22 07 19 00-1124	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		13.56	2.05
22 07 19 00-1125	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		14.52	2.16
22 07 19 00-1126	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		15.53	2.27
22 07 19 00-1127	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		16.58	2.39
22 07 19 00-1128	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		17.40	2.46
22 07 19 00-1129	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		18.25	2.53
22 07 19 00-1130	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		19.24	2.62
22 07 19 00-1131	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		19.98	2.67
22 07 19 00-1132	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		20.73	2.72
22 07 19 00-1133	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		21.49	2.78
22 07 19 00-1134	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		22.27	2.83
22 07 19 00-1135	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		23.06	2.89
22 07 19 00-1136	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		23.84	2.95
22 07 19 00-1137	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		24.65	3.01
22 07 19 00-1138	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		25.45	3.07
22 07 19 00-1139	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		26.27	3.14
22 07 19 00-1140	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		27.16	3.21
22 07 19 00-1141	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		27.91	3.26
22 07 19 00-1142	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		28.47	3.26
22 07 19 00-1143	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		29.22	3.31
22 07 19 00-1144	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		30.53	3.36
22 07 19 00-1145	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		31.85	3.42
22 07 19 00-1146	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		33.18	3.47
22 07 19 00-1147	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		34.56	3.53
22 07 19 00-1148	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		35.91	3.59
22 07 19 00-1149	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		37.26	3.65
22 07 19 00-1150	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		38.62	3.71
22 07 19 00-1151	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		39.98	3.78
22 07 19 00-1152	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		41.35	3.84
22 07 19 00-1153	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		42.74	3.91
22 07 19 00-1154	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		44.19	3.98
22 07 19 00-1155	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		45.60	4.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1156	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	47.02	4.14
22 07 19 00-1157	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.44	4.22
22 07 19 00-1158	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.89	4.30
22 07 19 00-1159	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	51.34	4.39
22 07 19 00-1160		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-1074)*		
22 07 19 00-1161	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.78	3.18
22 07 19 00-1162	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.00	3.31
22 07 19 00-1163	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.65	3.36
22 07 19 00-1164	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.30	3.42
22 07 19 00-1165	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.02	3.50
22 07 19 00-1166	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.66	3.59
22 07 19 00-1167	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.87	3.71
22 07 19 00-1168	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.98	3.81
22 07 19 00-1169	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.16	3.91
22 07 19 00-1170	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.67	4.10
22 07 19 00-1171	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	29.21	4.30
22 07 19 00-1172	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.92	4.53
22 07 19 00-1173	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	45.49	4.79
22 07 19 00-1174	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	47.55	4.95
22 07 19 00-1175	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.03	5.06
22 07 19 00-1176	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.22	5.19
22 07 19 00-1177	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	68.46	5.38
22 07 19 00-1178	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	85.05	5.59
22 07 19 00-1179	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	93.26	5.81
22 07 19 00-1180	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	104.47	6.06
22 07 19 00-1181	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	126.60	6.33
22 07 19 00-1182	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	141.85	6.52
22 07 19 00-1183	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	151.29	6.72
22 07 19 00-1184	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	163.11	6.83
22 07 19 00-1185	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	178.42	6.94
22 07 19 00-1186	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	222.57	7.05
22 07 19 00-1187	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	292.53	7.17
22 07 19 00-1188	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	368.27	7.29
22 07 19 00-1189	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	15.78	3.18
22 07 19 00-1190	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.00	3.31
22 07 19 00-1191	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.65	3.36
22 07 19 00-1192	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.30	3.42
22 07 19 00-1193	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.02	3.50
22 07 19 00-1194	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.66	3.59
22 07 19 00-1195	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.87	3.71
22 07 19 00-1196	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.98	3.81
22 07 19 00-1197	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.16	3.91
22 07 19 00-1198	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.67	4.10
22 07 19 00-1199	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	29.21	4.30
22 07 19 00-1200	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.92	4.53
22 07 19 00-1201	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	45.49	4.79
22 07 19 00-1202	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	47.55	4.95
22 07 19 00-1203	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.03	5.06
22 07 19 00-1204	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	57.22	5.19
22 07 19 00-1205	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	68.46	5.38
22 07 19 00-1206	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	85.05	5.59
22 07 19 00-1207	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	93.20	5.81
22 07 19 00-1208	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	101.37	6.06
22 07 19 00-1209	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	111.40	6.33
22 07 19 00-1210	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	124.43	6.52
22 07 19 00-1211	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	132.44	6.72
22 07 19 00-1212	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	147.85	6.83
22 07 19 00-1213	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	163.49	6.94
22 07 19 00-1214	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	194.09	7.05
22 07 19 00-1215	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	254.93	7.17
22 07 19 00-1216	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	285.44	7.29
22 07 19 00-1217	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	23.68	4.48
22 07 19 00-1218	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.82	4.57
22 07 19 00-1219	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	25.99	4.72
22 07 19 00-1220	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.29	4.89
22 07 19 00-1221	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.76	5.06
22 07 19 00-1222	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.21	5.25
22 07 19 00-1223	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.41	5.45
22 07 19 00-1224	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.70	5.66
22 07 19 00-1225	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.84	5.89
22 07 19 00-1226	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	42.34	6.15
22 07 19 00-1227	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	47.03	6.42
22 07 19 00-1228	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	55.68	6.83
22 07 19 00-1229	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	65.95	7.17
22 07 19 00-1230	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	75.28	7.29
22 07 19 00-1231	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	104.72	7.55
22 07 19 00-1232	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	113.59	7.97
22 07 19 00-1233	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	132.50	8.27
22 07 19 00-1234	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	151.64	8.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1235	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	154.45	8.97
22 07 19 00-1236	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	168.38	9.16
22 07 19 00-1237	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	182.34	9.35
22 07 19 00-1238	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	196.43	9.56
22 07 19 00-1239	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	210.41	9.78
22 07 19 00-1240	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	224.53	10.00
22 07 19 00-1241	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	238.53	10.25
22 07 19 00-1242	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	259.44	10.50
22 07 19 00-1243	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	280.28	10.76
22 07 19 00-1244	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	305.55	11.03
22 07 19 00-1245	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.07
22 07 19 00-1246	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.07
22 07 19 00-1247	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	43.21	3.18
22 07 19 00-1248	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	43.21	3.18
22 07 19 00-1249	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	61.29	3.31
22 07 19 00-1250	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	67.13	3.45
22 07 19 00-1251	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	74.12	3.59
22 07 19 00-1252	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	84.14	3.74
22 07 19 00-1253	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	92.73	3.91
22 07 19 00-1254	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	113.03	4.30
22 07 19 00-1255	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	160.66	4.79
22 07 19 00-1256	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	175.67	5.38
22 07 19 00-1257	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	220.17	5.73
22 07 19 00-1258	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	308.95	6.33
22 07 19 00-1259	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	310.62	6.62
22 07 19 00-1260	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	413.75	6.83
22 07 19 00-1261	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	559.68	7.05
22 07 19 00-1262	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.69	3.07
22 07 19 00-1263	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.69	3.07
22 07 19 00-1264	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	40.00	3.18
22 07 19 00-1265	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	40.00	3.18
22 07 19 00-1266	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	56.04	3.31
22 07 19 00-1267	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	61.27	3.45
22 07 19 00-1268	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	67.71	3.59
22 07 19 00-1269	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	71.26	3.74
22 07 19 00-1270	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	84.21	3.91
22 07 19 00-1271	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	102.47	4.30
22 07 19 00-1272	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	145.13	4.79
22 07 19 00-1273	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	158.64	5.38
22 07 19 00-1274	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	198.50	5.73
22 07 19 00-1275	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	277.93	6.33
22 07 19 00-1276	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	355.07	6.62
22 07 19 00-1277	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	425.42	6.83
22 07 19 00-1278	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	498.08	7.05
22 07 19 00-1279	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	49.86	4.62
22 07 19 00-1280	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	49.86	4.62
22 07 19 00-1281	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.71	4.79
22 07 19 00-1282	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.71	4.79
22 07 19 00-1283	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	82.21	4.95
22 07 19 00-1284	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	89.94	5.12
22 07 19 00-1285	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	99.20	5.38
22 07 19 00-1286	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	104.68	5.59
22 07 19 00-1287	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	124.09	5.89
22 07 19 00-1288	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	136.44	6.42
22 07 19 00-1289	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	192.51	7.17
22 07 19 00-1290	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	209.46	7.97
22 07 19 00-1291	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	290.86	8.60
22 07 19 00-1292	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	406.05	9.35
22 07 19 00-1293	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	485.28	10.00
22 07 19 00-1294	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	575.09	10.25
22 07 19 00-1295	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	630.39	10.50

22 07 19 00-1296 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-1297 Covering 4x6 Sheet *(22 07 19 00-1296)*

22 07 19 00-1298	SF	1" Thick Foam Rubber Sheet Insulation	23.00	7.64

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0001		**Galvanized Steel Pipe Assemblies** *(22 11 16)* Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.		
22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	20.27	4.23
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.61*	
		For ASTM 120, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*4.21*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.45	4.54
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.39*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.81	4.97
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*7.65*	
		For ASTM 120, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*4.76*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.99	5.18
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*9.74*	
		For ASTM 120, Deduct	*-2.12*	
		For Work In Restricted Working Space, Add	*5.05*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.57	6.14
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*10.71*	
		For ASTM 120, Deduct	*-2.40*	
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.78	7.40
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*13.35*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*6.00*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	59.88	8.77
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*21.09*	
		For ASTM 120, Deduct	*-5.47*	
		For Work In Restricted Working Space, Add	*7.03*	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	74.54	11.74
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*26.45*	
		For ASTM 120, Deduct	*-6.92*	
		For Work In Restricted Working Space, Add	*8.52*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	113.87	13.75
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*43.21*	
		For ASTM 120, Deduct	*-12.26*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	207.41	17.58
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*83.63*	
		For ASTM 120, Deduct	*-25.29*	
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	234.62	20.79
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*94.55*	
		For ASTM 120, Deduct	*-28.58*	
		For Work In Restricted Working Space, Add	*13.23*	
22 11 16 00-0013		**Galvanized Steel Pipe And Threaded Fittings** *(22 11 16)* Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014		**Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe** *(22 11 16 00-0013)* Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	9.84	4.23
		For Schedule 80 Pipe, Add	*2.29*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*1.92*	
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.35	4.54
		For Schedule 80 Pipe, Add	*2.86*	
		For ASTM 120, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.12	4.97
		For Schedule 80 Pipe, Add	*3.97*	
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.94	5.18
		For Schedule 80 Pipe, Add	*5.16*	
		For ASTM 120, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*2.35*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	20.10	6.14
		For Schedule 80 Pipe, Add	*6.15*	
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*2.76*	
22 11 16 00-0020	LF	2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	25.76	7.40
		For Schedule 80 Pipe, Add	*8.14*	
		For ASTM 120, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*3.34*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	36.43	8.77
		For Schedule 80 Pipe, Add	*12.46*	
		For ASTM 120, Deduct	*-3.48*	
		For Work In Restricted Working Space, Add	*3.97*	
22 11 16 00-0022	LF	3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	48.01	11.74
		For Schedule 80 Pipe, Add	*16.35*	
		For ASTM 120, Deduct	*-4.56*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0023	LF	4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	63.94	13.75
		For Schedule 80 Pipe, Add	*22.83*	
		For ASTM 120, Deduct	*-6.49*	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0024	LF	5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	84.34	17.58
		For Schedule 80 Pipe, Add	*30.48*	
		For ASTM 120, Deduct	*-8.70*	
		For Work In Restricted Working Space, Add	*7.90*	
22 11 16 00-0025	LF	6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	106.39	20.79
		For Schedule 80 Pipe, Add	*39.24*	
		For ASTM 120, Deduct	*-11.29*	
		For Work In Restricted Working Space, Add	*9.34*	
22 11 16 00-0026	LF	8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	118.91	25.12
		For Schedule 80 Pipe, Add	*42.79*	
		For ASTM 120, Deduct	*-12.20*	
		For Work In Restricted Working Space, Add	*11.28*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	15.82	4.23
		For Schedule 80 Pipe, Add	*5.16*	
		For ASTM 120, Deduct	*-1.41*	
		For Work In Restricted Working Space, Add	*1.92*	
22 11 16 00-0029	LF	3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	18.09	4.54
		For Schedule 80 Pipe, Add	*6.09*	
		For ASTM 120, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0030	LF	1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	20.50	4.97
		For Schedule 80 Pipe, Add	*7.03*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-0031	LF	1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.30	5.18
		For Schedule 80 Pipe, Add	*8.69*	
		For ASTM 120, Deduct	*-2.47*	
		For Work In Restricted Working Space, Add	*2.35*	
22 11 16 00-0032	LF	1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.01	6.14
		For Schedule 80 Pipe, Add	*9.95*	
		For ASTM 120, Deduct	*-2.82*	
		For Work In Restricted Working Space, Add	*2.76*	
22 11 16 00-0033	LF	2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	32.56	7.40
		For Schedule 80 Pipe, Add	*11.40*	
		For ASTM 120, Deduct	*-3.21*	
		For Work In Restricted Working Space, Add	*3.34*	
22 11 16 00-0034	LF	2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	49.08	8.77
		For Schedule 80 Pipe, Add	*18.53*	
		For ASTM 120, Deduct	*-5.38*	
		For Work In Restricted Working Space, Add	*3.97*	
22 11 16 00-0035	LF	3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	61.47	11.74
		For Schedule 80 Pipe, Add	*22.81*	
		For ASTM 120, Deduct	*-6.58*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	83.37	13.75
		For Schedule 80 Pipe, Add	*32.16*	
		For ASTM 120, Deduct	*-9.40*	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	108.14	17.58
		For Schedule 80 Pipe, Add	*41.91*	
		For ASTM 120, Deduct	*-12.27*	
		For Work In Restricted Working Space, Add	*7.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	135.80	20.79
		For Schedule 80 Pipe, Add	*53.35*	
		For ASTM 120, Deduct	*-15.70*	
		For Work In Restricted Working Space, Add	*9.34*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	33.27	18.82
		For 300 LB Rating, Add	*18.93*	
		For ASTM 120, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0041	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	37.79	21.05
		For 300 LB Rating, Add	*23.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0042	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	46.78	23.47
		For 300 LB Rating, Add	*41.35*	
		For ASTM 120, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0043	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	58.12	26.65
		For 300 LB Rating, Add	*64.38*	
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*11.97*	
22 11 16 00-0044	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	68.78	30.03
		For 300 LB Rating, Add	*83.59*	
		For ASTM 120, Deduct	*-3.57*	
		For Work In Restricted Working Space, Add	*13.50*	
22 11 16 00-0045	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	96.12	38.17
		For 300 LB Rating, Add	*135.93*	
		For ASTM 120, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0046	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	186.56	56.46
		For 300 LB Rating, Add	*351.81*	
		For ASTM 120, Deduct	*-15.30*	
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0047	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	279.43	74.23
		For 300 LB Rating, Add	*578.32*	
		For ASTM 120, Deduct	*-25.22*	
		For Work In Restricted Working Space, Add	*33.39*	
22 11 16 00-0048	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	417.18	80.45
		For 300 LB Rating, Add	*1,015.47*	
		For ASTM 120, Deduct	*-44.48*	
		For Work In Restricted Working Space, Add	*36.19*	
22 11 16 00-0049	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,406.47	83.96
		For 300 LB Rating, Add	*4,361.56*	
		For ASTM 120, Deduct	*-192.09*	
		For Work In Restricted Working Space, Add	*37.76*	
22 11 16 00-0050	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,312.18	87.79
		For 300 LB Rating, Add	*4,021.83*	
		For ASTM 120, Deduct	*-177.09*	
		For Work In Restricted Working Space, Add	*39.48*	
22 11 16 00-0051	EA	8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,561.81	91.74
		For 300 LB Rating, Add	*4,850.80*	
		For ASTM 120, Deduct	*-213.64*	
		For Work In Restricted Working Space, Add	*41.26*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	40.71	19.88
		For ASTM 120, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*8.96*	
22 11 16 00-0054	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	47.29	22.30
		For ASTM 120, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-0055	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	46.46	21.15
		For ASTM 120, Deduct	*-2.21*	
		For Work In Restricted Working Space, Add	*9.52*	
22 11 16 00-0056	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	60.88	25.05
		For ASTM 120, Deduct	*-3.50*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	63.72	23.79
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*10.72*	
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	63.71	22.73
		For ASTM 120, Deduct	*-4.45*	
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	79.69	28.34
		For ASTM 120, Deduct	*-5.59*	
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0060	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	77.37	26.75
		For ASTM 120, Deduct	*-5.59*	
		For Work In Restricted Working Space, Add	*12.04*	
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	75.52	25.48
		For ASTM 120, Deduct	*-5.59*	
		For Work In Restricted Working Space, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0062	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	94.59	34.04
		For ASTM 120, Deduct	*-6.53*	
		For Work In Restricted Working Space, Add	*15.32*	
22 11 16 00-0063	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	98.41	32.36
		For ASTM 120, Deduct	*-7.48*	
		For Work In Restricted Working Space, Add	*14.56*	
22 11 16 00-0064	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	97.95	30.77
		For ASTM 120, Deduct	*-7.76*	
		For Work In Restricted Working Space, Add	*13.86*	
22 11 16 00-0065	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.63	29.61
		For ASTM 120, Deduct	*-5.89*	
		For Work In Restricted Working Space, Add	*13.31*	
22 11 16 00-0066	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	218.37	47.26
		For ASTM 120, Deduct	*-22.13*	
		For Work In Restricted Working Space, Add	*21.26*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	229.13	43.25
		For ASTM 120, Deduct	*-24.65*	
		For Work In Restricted Working Space, Add	*19.44*	
22 11 16 00-0068	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	366.02	65.34
		For ASTM 120, Deduct	*-40.21*	
		For Work In Restricted Working Space, Add	*29.38*	
22 11 16 00-0069	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	317.07	56.14
		For ASTM 120, Deduct	*-34.93*	
		For Work In Restricted Working Space, Add	*25.27*	
22 11 16 00-0070	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	721.39	76.52
		For ASTM 120, Deduct	*-91.00*	
		For Work In Restricted Working Space, Add	*34.43*	
22 11 16 00-0071		**Galvanized Malleable Iron 45 Degree Elbow** *(22 11 16 00-0013)*		
22 11 16 00-0072	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	34.91	18.82
		For 300 LB Rating, Add	*24.51*	
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0073	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	41.22	21.05
		For 300 LB Rating, Add	*34.74*	
		For ASTM 120, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0074	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	46.14	23.47
		For 300 LB Rating, Add	*39.17*	
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0075	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	60.25	26.65
		For 300 LB Rating, Add	*71.62*	
		For ASTM 120, Deduct	*-3.05*	
		For Work In Restricted Working Space, Add	*11.97*	
22 11 16 00-0076	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	68.91	30.03
		For 300 LB Rating, Add	*84.03*	
		For ASTM 120, Deduct	*-3.59*	
		For Work In Restricted Working Space, Add	*13.50*	
22 11 16 00-0077	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	92.54	38.17
		For 300 LB Rating, Add	*123.76*	
		For ASTM 120, Deduct	*-5.31*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0078	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	207.72	56.46
		For 300 LB Rating, Add	*423.75*	
		For ASTM 120, Deduct	*-18.47*	
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0079	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	290.40	74.23
		For 300 LB Rating, Add	*615.62*	
		For ASTM 120, Deduct	*-26.87*	
		For Work In Restricted Working Space, Add	*33.39*	
22 11 16 00-0080	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	420.90	80.45
		For 300 LB Rating, Add	*1,028.12*	
		For ASTM 120, Deduct	*-45.04*	
		For Work In Restricted Working Space, Add	*36.19*	
22 11 16 00-0081	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,339.16	83.96
		For 300 LB Rating, Add	*4,132.70*	
		For ASTM 120, Deduct	*-181.99*	
		For Work In Restricted Working Space, Add	*37.76*	
22 11 16 00-0082	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,594.55	87.79
		For 300 LB Rating, Add	*4,981.89*	
		For ASTM 120, Deduct	*-219.44*	
		For Work In Restricted Working Space, Add	*39.48*	
22 11 16 00-0083	EA	8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,899.95	91.74
		For 300 LB Rating, Add	*6,000.48*	
		For ASTM 120, Deduct	*-264.36*	
		For Work In Restricted Working Space, Add	*41.26*	
22 11 16 00-0084		**Galvanized Malleable Iron Tees** *(22 11 16 00-0013)*		
22 11 16 00-0085	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	41.81	23.47
		For 300 LB Rating, Add	*24.45*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*10.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0086	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	51.50	27.17
		For 300 LB Rating, Add	*39.26*	
		For ASTM 120, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0087	EA	1", 150 LB, Galvanized Malleable Iron Tee	65.57	32.04
		For 300 LB Rating, Add	*62.42*	
		For ASTM 120, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0088	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	84.95	38.17
		For 300 LB Rating, Add	*97.95*	
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0089	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	102.76	45.47
		For 300 LB Rating, Add	*121.56*	
		For ASTM 120, Deduct	*-5.18*	
		For Work In Restricted Working Space, Add	*20.46*	
22 11 16 00-0090	EA	2", 150 LB, Galvanized Malleable Iron Tee	140.74	56.46
		For 300 LB Rating, Add	*196.02*	
		For ASTM 120, Deduct	*-8.42*	
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0091	EA	2-1/2", 150 LB, Galvanized Malleable Iron Tee	250.05	61.32
		For 300 LB Rating, Add	*543.09*	
		For ASTM 120, Deduct	*-23.72*	
		For Work In Restricted Working Space, Add	*27.58*	
22 11 16 00-0092	EA	3", 150 LB, Galvanized Malleable Iron Tee	296.71	74.23
		For 300 LB Rating, Add	*637.07*	
		For ASTM 120, Deduct	*-27.81*	
		For Work In Restricted Working Space, Add	*33.39*	
22 11 16 00-0093	EA	4", 150 LB, Galvanized Malleable Iron Tee	591.02	101.65
		For 300 LB Rating, Add	*1,500.49*	
		For ASTM 120, Deduct	*-65.79*	
		For Work In Restricted Working Space, Add	*45.72*	
22 11 16 00-0094	EA	5", 150 LB, Galvanized Malleable Iron Tee	1,559.73	120.68
		For 300 LB Rating, Add	*4,698.68*	
		For ASTM 120, Deduct	*-206.82*	
		For Work In Restricted Working Space, Add	*54.29*	
22 11 16 00-0095	EA	6", 150 LB, Galvanized Malleable Iron Tee	1,770.66	137.94
		For 300 LB Rating, Add	*5,329.50*	
		For ASTM 120, Deduct	*-234.58*	
		For Work In Restricted Working Space, Add	*62.04*	
22 11 16 00-0096	EA	8", 150 LB, Galvanized Malleable Iron Tee	2,106.32	163.80
		For 300 LB Rating, Add	*6,332.57*	
		For ASTM 120, Deduct	*-278.72*	
		For Work In Restricted Working Space, Add	*74.45*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	50.51	23.47
		For 300 LB Rating, Add	*54.03*	
		For ASTM 120, Deduct	*-2.29*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0099	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Tee	55.73	27.17
		For 300 LB Rating, Add	*53.64*	
		For ASTM 120, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0100	EA	1", 150 LB, Galvanized Malleable Iron Reducing Tee	69.22	32.04
		For 300 LB Rating, Add	*74.83*	
		For ASTM 120, Deduct	*-3.17*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0101	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	89.96	38.17
		For 300 LB Rating, Add	*114.98*	
		For ASTM 120, Deduct	*-4.92*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0102	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	108.73	45.47
		For 300 LB Rating, Add	*141.86*	
		For ASTM 120, Deduct	*-6.08*	
		For Work In Restricted Working Space, Add	*20.46*	
22 11 16 00-0103	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee	143.75	56.46
		For 300 LB Rating, Add	*206.25*	
		For ASTM 120, Deduct	*-8.88*	
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0104	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	301.20	61.53
		For 300 LB Rating, Add	*716.03*	
		For ASTM 120, Deduct	*-31.35*	
		For Work In Restricted Working Space, Add	*27.67*	
22 11 16 00-0105	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee	384.07	75.39
		For 300 LB Rating, Add	*928.25*	
		For ASTM 120, Deduct	*-40.65*	
		For Work In Restricted Working Space, Add	*33.92*	
22 11 16 00-0106	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee	938.04	101.65
		For 300 LB Rating, Add	*2,680.35*	
		For ASTM 120, Deduct	*-117.85*	
		For Work In Restricted Working Space, Add	*45.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0107	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee	2,002.69	120.68
		For 300 LB Rating, Add	*6,204.74*	
		For ASTM 120, Deduct	*-273.26*	
		For Work In Restricted Working Space, Add	*54.29*	
22 11 16 00-0108	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee	2,273.73	137.94
		For 300 LB Rating, Add	*7,039.94*	
		For ASTM 120, Deduct	*-310.04*	
		For Work In Restricted Working Space, Add	*62.04*	
22 11 16 00-0109	EA	8", 150 LB, Galvanized Malleable Iron Reducing Tee	2,730.01	158.40
		For 300 LB Rating, Add	*8,487.68*	
		For ASTM 120, Deduct	*-373.83*	
		For Work In Restricted Working Space, Add	*71.35*	
22 11 16 00-0110		**Galvanized Malleable Iron Couplings** *(22 11 16 00-0013)*		
22 11 16 00-0111	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling	38.83	18.82
		For 300 LB Rating, Add	*37.83*	
		For ASTM 120, Deduct	*-1.59*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0112	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling	43.81	21.05
		For 300 LB Rating, Add	*43.54*	
		For ASTM 120, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0113	EA	1", 150 LB, Galvanized Malleable Iron Coupling	55.31	23.47
		For 300 LB Rating, Add	*70.35*	
		For ASTM 120, Deduct	*-3.01*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0114	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling	68.20	26.65
		For 300 LB Rating, Add	*98.65*	
		For ASTM 120, Deduct	*-4.25*	
		For Work In Restricted Working Space, Add	*11.97*	
22 11 16 00-0115	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling	77.16	30.03
		For 300 LB Rating, Add	*112.08*	
		For ASTM 120, Deduct	*-4.83*	
		For Work In Restricted Working Space, Add	*13.50*	
22 11 16 00-0116	EA	2", 150 LB, Galvanized Malleable Iron Coupling	104.19	38.17
		For 300 LB Rating, Add	*163.37*	
		For ASTM 120, Deduct	*-7.06*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0117	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling	228.57	56.46
		For 300 LB Rating, Add	*494.64*	
		For ASTM 120, Deduct	*-21.60*	
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0118	EA	3", 150 LB, Galvanized Malleable Iron Coupling	303.75	74.23
		For 300 LB Rating, Add	*661.01*	
		For ASTM 120, Deduct	*-28.87*	
		For Work In Restricted Working Space, Add	*33.39*	
22 11 16 00-0119	EA	4", 150 LB, Galvanized Malleable Iron Coupling	529.36	80.45
		For 300 LB Rating, Add	*1,396.89*	
		For ASTM 120, Deduct	*-61.31*	
		For Work In Restricted Working Space, Add	*36.19*	
22 11 16 00-0120	EA	5", 150 LB, Galvanized Malleable Iron Coupling	1,276.76	83.96
		For 300 LB Rating, Add	*3,920.54*	
		For ASTM 120, Deduct	*-172.63*	
		For Work In Restricted Working Space, Add	*37.76*	
22 11 16 00-0121	EA	6", 150 LB, Galvanized Malleable Iron Coupling	1,442.77	87.79
		For 300 LB Rating, Add	*4,465.84*	
		For ASTM 120, Deduct	*-196.67*	
		For Work In Restricted Working Space, Add	*39.48*	
22 11 16 00-0122	EA	8", 150 LB, Galvanized Malleable Iron Coupling	1,717.75	91.74
		For 300 LB Rating, Add	*5,381.00*	
		For ASTM 120, Deduct	*-237.03*	
		For Work In Restricted Working Space, Add	*41.26*	
22 11 16 00-0123		**Galvanized Malleable Iron Reducing Couplings** *(22 11 16 00-0013)*		
22 11 16 00-0124	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	41.09	18.82
		For 300 LB Rating, Add	*45.52*	
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0125	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	45.34	21.05
		For 300 LB Rating, Add	*48.75*	
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0126	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	58.22	23.47
		For 300 LB Rating, Add	*80.25*	
		For ASTM 120, Deduct	*-3.45*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0127	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	69.59	26.65
		For 300 LB Rating, Add	*103.37*	
		For ASTM 120, Deduct	*-4.46*	
		For Work In Restricted Working Space, Add	*11.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0128	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	83.30	30.03
		For 300 LB Rating, Add	*132.95*	
		For ASTM 120, Deduct	*-5.75*	
		For Work In Restricted Working Space, Add	*13.50*	
22 11 16 00-0129	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	109.40	38.17
		For 300 LB Rating, Add	*181.08*	
		For ASTM 120, Deduct	*-7.84*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0130	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	230.39	56.46
		For 300 LB Rating, Add	*500.83*	
		For ASTM 120, Deduct	*-21.87*	
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0131	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	298.29	74.23
		For 300 LB Rating, Add	*642.44*	
		For ASTM 120, Deduct	*-28.05*	
		For Work In Restricted Working Space, Add	*33.39*	
22 11 16 00-0132	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	539.89	80.45
		For 300 LB Rating, Add	*1,432.69*	
		For ASTM 120, Deduct	*-62.89*	
		For Work In Restricted Working Space, Add	*36.19*	
22 11 16 00-0133	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	1,337.34	83.96
		For 300 LB Rating, Add	*4,126.52*	
		For ASTM 120, Deduct	*-181.72*	
		For Work In Restricted Working Space, Add	*37.76*	
22 11 16 00-0134	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	1,511.77	87.79
		For 300 LB Rating, Add	*4,700.44*	
		For ASTM 120, Deduct	*-207.02*	
		For Work In Restricted Working Space, Add	*39.48*	
22 11 16 00-0135	EA	8", 150 LB, Galvanized Malleable Iron Reducing Coupling	1,801.54	91.74
		For 300 LB Rating, Add	*5,665.89*	
		For ASTM 120, Deduct	*-249.60*	
		For Work In Restricted Working Space, Add	*41.26*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	15.89	8.77
		For 300 LB Rating, Add	*9.87*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*3.97*	
22 11 16 00-0138	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	17.78	9.41
		For 300 LB Rating, Add	*13.39*	
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*4.23*	
22 11 16 00-0139	EA	1", 150 LB, Galvanized Malleable Iron Cap	20.85	10.89
		For 300 LB Rating, Add	*16.55*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0140	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	23.08	11.41
		For 300 LB Rating, Add	*21.49*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0141	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	22.70	11.41
		For 300 LB Rating, Add	*20.20*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0142	EA	2", 150 LB, Galvanized Malleable Iron Cap	34.81	15.12
		For 300 LB Rating, Add	*42.40*	
		For ASTM 120, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0143	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	55.30	18.82
		For 300 LB Rating, Add	*93.83*	
		For ASTM 120, Deduct	*-4.07*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0144	EA	3", 150 LB, Galvanized Malleable Iron Cap	72.68	22.73
		For 300 LB Rating, Add	*133.18*	
		For ASTM 120, Deduct	*-5.79*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0145	EA	4", 150 LB, Galvanized Malleable Iron Cap	113.49	27.61
		For 300 LB Rating, Add	*247.69*	
		For ASTM 120, Deduct	*-10.82*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0146	EA	5", 150 LB, Galvanized Malleable Iron Cap	291.10	34.54
		For 300 LB Rating, Add	*817.06*	
		For ASTM 120, Deduct	*-35.91*	
		For Work In Restricted Working Space, Add	*15.51*	
22 11 16 00-0147	EA	6", 150 LB, Galvanized Malleable Iron Cap	363.32	41.05
		For 300 LB Rating, Add	*1,029.54*	
		For ASTM 120, Deduct	*-45.26*	
		For Work In Restricted Working Space, Add	*18.48*	
22 11 16 00-0148	EA	8", 150 LB, Galvanized Malleable Iron Cap	459.79	45.87
		For 300 LB Rating, Add	*1,333.59*	
		For ASTM 120, Deduct	*-58.65*	
		For Work In Restricted Working Space, Add	*20.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0149		Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*		
22 11 16 00-0150	EA	1/2", 150 LB, Galvanized Malleable Iron Union	57.19	23.47
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0151	EA	3/4", 150 LB, Galvanized Malleable Iron Union	65.90	27.17
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0152	EA	1", 150 LB, Galvanized Malleable Iron Union	81.10	32.04
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0153	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union	104.91	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0154	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union	126.08	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 11 16 00-0155	EA	2", 150 LB, Galvanized Malleable Iron Union	151.11	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0156	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union	355.97	83.21
		For Work In Restricted Working Space, Add	*37.46*	
22 11 16 00-0157	EA	3", 150 LB, Galvanized Malleable Iron Union	487.75	109.44
		For Work In Restricted Working Space, Add	*49.29*	
22 11 16 00-0158	EA	1/2", 250 LB, Galvanized Malleable Iron Union	79.88	23.47
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0159	EA	3/4", 250 LB, Galvanized Malleable Iron Union	81.22	27.17
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0160	EA	1", 250 LB, Galvanized Malleable Iron Union	98.34	32.04
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0161	EA	1-1/4", 250 LB, Galvanized Malleable Iron Union	133.31	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0162	EA	1-1/2", 250 LB, Galvanized Malleable Iron Union	155.90	45.47
		For Work In Restricted Working Space, Add	*20.47*	
22 11 16 00-0163	EA	2", 250 LB, Galvanized Malleable Iron Union	208.40	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0164	EA	2-1/2", 250 LB, Galvanized Malleable Iron Union	450.59	83.21
		For Work In Restricted Working Space, Add	*37.46*	
22 11 16 00-0165	EA	3", 250 LB, Galvanized Malleable Iron Union	664.05	109.44
		For Work In Restricted Working Space, Add	*49.29*	
22 11 16 00-0166	EA	4", 250 LB, Galvanized Malleable Iron Union	962.02	118.71
		For Work In Restricted Working Space, Add	*53.43*	
22 11 16 00-0167	EA	1/2", 300 LB, Galvanized Malleable Iron Union	86.11	23.47
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0168	EA	3/4", 300 LB, Galvanized Malleable Iron Union	95.82	27.17
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0169	EA	1", 300 LB, Galvanized Malleable Iron Union	121.23	32.04
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0170	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union	159.19	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0171	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union	191.08	45.47
		For Work In Restricted Working Space, Add	*20.47*	
22 11 16 00-0172	EA	2", 300 LB, Galvanized Malleable Iron Union	232.05	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 11 16 00-0173	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union	536.22	83.21
		For Work In Restricted Working Space, Add	*37.46*	
22 11 16 00-0174	EA	3", 300 LB, Galvanized Malleable Iron Union	860.00	109.44
		For Work In Restricted Working Space, Add	*49.29*	
22 11 16 00-0175	EA	4", 300 LB, Galvanized Malleable Iron Union	1,922.93	118.71
		For Work In Restricted Working Space, Add	*53.43*	
22 11 16 00-0176		Galvanized Steel Nipples *(22 11 16 00-0013)*		
		Note: ASTM A-53.		
22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	17.92	10.04
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	17.38	10.04
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	17.87	10.04
		For Schedule 80 Nipples, Add	*3.16*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	20.07	10.89
		For Schedule 80 Nipples, Add	*4.33*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	22.71	11.74
		For Schedule 80 Nipples, Add	*5.80*	
		For ASTM 120, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	23.59	11.74
		For Schedule 80 Nipples, Add	*6.81*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*5.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	31.16	15.12
		For Schedule 80 Nipples, Add	*9.60*	
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	53.27	18.82
		For Schedule 80 Nipples, Add	*28.58*	
		For ASTM 120, Deduct	*-3.76*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	64.15	22.73
		For Schedule 80 Nipples, Add	*34.25*	
		For ASTM 120, Deduct	*-4.51*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	86.40	27.61
		For Schedule 80 Nipples, Add	*51.33*	
		For ASTM 120, Deduct	*-6.75*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.33	10.04
		For Schedule 80 Nipples, Add	*3.68*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.50	10.04
		For Schedule 80 Nipples, Add	*2.74*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.11	10.04
		For Schedule 80 Nipples, Add	*3.43*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	18.33	10.04
		For Schedule 80 Nipples, Add	*3.68*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	17.50	10.04
		For Schedule 80 Nipples, Add	*2.74*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	18.11	10.04
		For Schedule 80 Nipples, Add	*3.43*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	20.75	10.89
		For Schedule 80 Nipples, Add	*5.11*	
		For ASTM 120, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	23.08	11.74
		For Schedule 80 Nipples, Add	*6.22*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	24.04	11.74
		For Schedule 80 Nipples, Add	*7.32*	
		For ASTM 120, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.41	10.04
		For Schedule 80 Nipples, Add	*4.91*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.92	10.04
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.43	10.04
		For Schedule 80 Nipples, Add	*3.80*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.12	10.89
		For Schedule 80 Nipples, Add	*5.53*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.62	11.74
		For Schedule 80 Nipples, Add	*6.84*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.77	11.74
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	32.22	15.12
		For Schedule 80 Nipples, Add	*10.81*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	19.41	10.04
		For Schedule 80 Nipples, Add	*4.91*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	17.92	10.04
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.43	10.04
		For Schedule 80 Nipples, Add	*3.80*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	21.12	10.89
		For Schedule 80 Nipples, Add	*5.53*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	23.62	11.74
		For Schedule 80 Nipples, Add	*6.84*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	24.77	11.74
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	32.22	15.12
		For Schedule 80 Nipples, Add	*10.81*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	54.23	18.82
		For Schedule 80 Nipples, Add	*29.67*	
		For ASTM 120, Deduct	*-3.90*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	68.29	22.73
		For Schedule 80 Nipples, Add	*38.97*	
		For ASTM 120, Deduct	*-5.13*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.22	10.04
		For Schedule 80 Nipples, Add	*5.84*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.58	10.04
		For Schedule 80 Nipples, Add	*3.97*	
		For ASTM 120, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.41	10.04
		For Schedule 80 Nipples, Add	*4.91*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.10	10.89
		For Schedule 80 Nipples, Add	*6.65*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.77	11.74
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.66	11.74
		For Schedule 80 Nipples, Add	*10.31*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.25	15.12
		For Schedule 80 Nipples, Add	*13.12*	
		For ASTM 120, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	58.42	18.82
		For Schedule 80 Nipples, Add	*34.45*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	74.22	22.73
		For Schedule 80 Nipples, Add	*45.73*	
		For ASTM 120, Deduct	*-6.02*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	20.22	10.04
		For Schedule 80 Nipples, Add	*5.84*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	18.58	10.04
		For Schedule 80 Nipples, Add	*3.97*	
		For ASTM 120, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	20.22	10.04
		For Schedule 80 Nipples, Add	*5.84*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	22.10	10.89
		For Schedule 80 Nipples, Add	*6.65*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*4.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	24.77	11.74
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	26.66	11.74
		For Schedule 80 Nipples, Add	*10.31*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	34.35	15.12
		For Schedule 80 Nipples, Add	*13.24*	
		For ASTM 120, Deduct	*-1.74*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	58.42	18.82
		For Schedule 80 Nipples, Add	*34.45*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	74.22	22.73
		For Schedule 80 Nipples, Add	*45.73*	
		For ASTM 120, Deduct	*-6.02*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	95.21	27.61
		For Schedule 80 Nipples, Add	*61.38*	
		For ASTM 120, Deduct	*-8.08*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.15	10.04
		For Schedule 80 Nipples, Add	*8.04*	
		For ASTM 120, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.29	10.04
		For Schedule 80 Nipples, Add	*4.78*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.24	10.04
		For Schedule 80 Nipples, Add	*5.86*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.42	10.89
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.46	11.74
		For Schedule 80 Nipples, Add	*10.08*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.54	11.74
		For Schedule 80 Nipples, Add	*12.45*	
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	37.43	15.12
		For Schedule 80 Nipples, Add	*16.75*	
		For ASTM 120, Deduct	*-2.20*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	61.89	18.82
		For Schedule 80 Nipples, Add	*38.41*	
		For ASTM 120, Deduct	*-5.05*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0239	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	80.85	22.73
		For Schedule 80 Nipples, Add	*53.28*	
		For ASTM 120, Deduct	*-7.01*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0240	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	101.75	27.61
		For Schedule 80 Nipples, Add	*68.83*	
		For ASTM 120, Deduct	*-9.06*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0241	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	22.15	10.04
		For Schedule 80 Nipples, Add	*8.04*	
		For ASTM 120, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0242	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.29	10.04
		For Schedule 80 Nipples, Add	*4.78*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0243	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	20.24	10.04
		For Schedule 80 Nipples, Add	*5.86*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0244	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	23.42	10.89
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0245	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	26.46	11.74
		For Schedule 80 Nipples, Add	*10.08*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*5.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0246	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.54	11.74
		For Schedule 80 Nipples, Add	*12.45*	
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0247	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	37.43	15.12
		For Schedule 80 Nipples, Add	*16.75*	
		For ASTM 120, Deduct	*-2.20*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0248	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	61.89	18.82
		For Schedule 80 Nipples, Add	*38.41*	
		For ASTM 120, Deduct	*-5.05*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0249	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	80.85	22.73
		For Schedule 80 Nipples, Add	*53.28*	
		For ASTM 120, Deduct	*-7.01*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0250	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	101.75	27.61
		For Schedule 80 Nipples, Add	*68.83*	
		For ASTM 120, Deduct	*-9.06*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0251	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.94	10.04
		For Schedule 80 Nipples, Add	*8.94*	
		For ASTM 120, Deduct	*-1.18*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0252	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	19.85	10.04
		For Schedule 80 Nipples, Add	*5.42*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0253	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	21.27	10.04
		For Schedule 80 Nipples, Add	*7.03*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0254	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.37	10.89
		For Schedule 80 Nipples, Add	*9.23*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	27.88	11.74
		For Schedule 80 Nipples, Add	*11.70*	
		For ASTM 120, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.91	11.74
		For Schedule 80 Nipples, Add	*14.01*	
		For ASTM 120, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	39.81	15.12
		For Schedule 80 Nipples, Add	*19.46*	
		For ASTM 120, Deduct	*-2.56*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	65.22	18.82
		For Schedule 80 Nipples, Add	*42.20*	
		For ASTM 120, Deduct	*-5.55*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	83.55	22.73
		For Schedule 80 Nipples, Add	*56.36*	
		For ASTM 120, Deduct	*-7.42*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	108.12	27.61
		For Schedule 80 Nipples, Add	*76.10*	
		For ASTM 120, Deduct	*-10.01*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	46.42	10.04
		For Schedule 80 Nipples, Add	*35.70*	
		For ASTM 120, Deduct	*-4.70*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	23.47	10.04
		For Schedule 80 Nipples, Add	*9.54*	
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	25.80	10.04
		For Schedule 80 Nipples, Add	*12.20*	
		For ASTM 120, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	29.83	10.89
		For Schedule 80 Nipples, Add	*15.46*	
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	34.25	11.74
		For Schedule 80 Nipples, Add	*18.96*	
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	36.69	11.74
		For Schedule 80 Nipples, Add	*21.74*	
		For ASTM 120, Deduct	*-2.86*	
		For Work In Restricted Working Space, Add	*5.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	50.56	15.12
		For Schedule 80 Nipples, Add	*31.71*	
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	75.85	18.82
		For Schedule 80 Nipples, Add	*54.32*	
		For ASTM 120, Deduct	*-7.15*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	100.71	22.73
		For Schedule 80 Nipples, Add	*75.92*	
		For ASTM 120, Deduct	*-9.99*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	121.02	27.61
		For Schedule 80 Nipples, Add	*90.80*	
		For ASTM 120, Deduct	*-11.95*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	30.04	10.04
		For Schedule 80 Nipples, Add	*17.03*	
		For ASTM 120, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	25.04	10.04
		For Schedule 80 Nipples, Add	*11.33*	
		For ASTM 120, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.98	10.04
		For Schedule 80 Nipples, Add	*13.54*	
		For ASTM 120, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	31.77	10.89
		For Schedule 80 Nipples, Add	*17.67*	
		For ASTM 120, Deduct	*-2.33*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	37.50	11.74
		For Schedule 80 Nipples, Add	*22.66*	
		For ASTM 120, Deduct	*-2.98*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	39.85	11.74
		For Schedule 80 Nipples, Add	*25.34*	
		For ASTM 120, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	55.28	15.12
		For Schedule 80 Nipples, Add	*37.10*	
		For ASTM 120, Deduct	*-4.88*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	82.51	18.82
		For Schedule 80 Nipples, Add	*61.91*	
		For ASTM 120, Deduct	*-8.15*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	110.09	22.73
		For Schedule 80 Nipples, Add	*86.62*	
		For ASTM 120, Deduct	*-11.40*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	133.68	27.61
		For Schedule 80 Nipples, Add	*105.23*	
		For ASTM 120, Deduct	*-13.85*	
		For Work In Restricted Working Space, Add	*12.41*	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	31.65	10.04
		For Schedule 80 Nipples, Add	*18.87*	
		For ASTM 120, Deduct	*-2.48*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	26.41	10.04
		For Schedule 80 Nipples, Add	*12.89*	
		For ASTM 120, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	28.42	10.04
		For Schedule 80 Nipples, Add	*15.18*	
		For ASTM 120, Deduct	*-2.00*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	34.32	10.89
		For Schedule 80 Nipples, Add	*20.58*	
		For ASTM 120, Deduct	*-2.71*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	41.49	11.74
		For Schedule 80 Nipples, Add	*27.21*	
		For ASTM 120, Deduct	*-3.58*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	43.06	11.74
		For Schedule 80 Nipples, Add	*29.00*	
		For ASTM 120, Deduct	*-3.82*	
		For Work In Restricted Working Space, Add	*5.29*	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	60.08	15.12
		For Schedule 80 Nipples, Add	*42.57*	
		For ASTM 120, Deduct	*-5.60*	
		For Work In Restricted Working Space, Add	*6.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	88.97	18.82
		For Schedule 80 Nipples, Add	*69.28*	
		For ASTM 120, Deduct	*-9.12*	
		For Work In Restricted Working Space, Add	*8.46*	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	119.54	22.73
		For Schedule 80 Nipples, Add	*97.39*	
		For ASTM 120, Deduct	*-12.81*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	146.46	27.61
		For Schedule 80 Nipples, Add	*119.80*	
		For ASTM 120, Deduct	*-15.76*	
		For Work In Restricted Working Space, Add	*12.41*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0837 for dielectric unions.

22 11 16 00-0292	EA	1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	17.50	10.04
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0293	EA	1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	17.86	10.04
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0294	EA	3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	18.19	10.04
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0295	EA	3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.39	10.04
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0296	EA	3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.63	10.04
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0297	EA	3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.38	10.04
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0298	EA	1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.85	10.89
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0299	EA	1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.24	10.89
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0300	EA	1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	27.25	10.89
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0301	EA	1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	29.52	11.74
		For Work In Restricted Working Space, Add	*5.30*	
22 11 16 00-0302	EA	1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	32.83	11.74
		For Work In Restricted Working Space, Add	*5.30*	
22 11 16 00-0303	EA	2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	43.83	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0304	EA	2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	52.23	18.82
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0305	EA	3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	82.50	22.73
		For Work In Restricted Working Space, Add	*10.25*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	18.15	7.51
		For 300 LB Rating, Add	*24.03*	
		For Work In Restricted Working Space, Add	*3.38*	
22 11 16 00-0308	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	19.49	8.46
		For 300 LB Rating, Add	*24.12*	
		For Work In Restricted Working Space, Add	*3.79*	
22 11 16 00-0309	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug	21.63	9.41
		For 300 LB Rating, Add	*26.48*	
		For Work In Restricted Working Space, Add	*4.23*	
22 11 16 00-0310	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	27.55	10.68
		For 300 LB Rating, Add	*40.36*	
		For Work In Restricted Working Space, Add	*4.79*	
22 11 16 00-0311	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	33.60	11.95
		For 300 LB Rating, Add	*54.15*	
		For Work In Restricted Working Space, Add	*5.40*	
22 11 16 00-0312	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug	42.71	15.22
		For 300 LB Rating, Add	*68.86*	
		For Work In Restricted Working Space, Add	*6.86*	
22 11 16 00-0313	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	72.55	22.52
		For 300 LB Rating, Add	*133.68*	
		For Work In Restricted Working Space, Add	*10.15*	
22 11 16 00-0314	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug	99.47	29.71
		For 300 LB Rating, Add	*189.47*	
		For Work In Restricted Working Space, Add	*13.36*	
22 11 16 00-0315	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug	162.32	32.16
		For 300 LB Rating, Add	*390.70*	
		For Work In Restricted Working Space, Add	*14.48*	
22 11 16 00-0316	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug	259.63	33.60
		For 300 LB Rating, Add	*714.54*	
		For Work In Restricted Working Space, Add	*15.11*	
22 11 16 00-0317	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug	278.88	35.05
		For 300 LB Rating, Add	*772.34*	
		For Work In Restricted Working Space, Add	*15.80*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0319	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	42.15	19.88
		For Work In Restricted Working Space, Add	*8.96*	
22 11 16 00-0320	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	46.40	21.15
		For Work In Restricted Working Space, Add	*9.52*	
22 11 16 00-0321	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	47.31	22.30
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-0322	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	54.60	22.73
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0323	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	54.42	23.79
		For Work In Restricted Working Space, Add	*10.72*	
22 11 16 00-0324	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing	56.27	25.05
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0325	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	63.76	24.42
		For Work In Restricted Working Space, Add	*10.98*	
22 11 16 00-0326	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	65.44	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 11 16 00-0327	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	64.62	26.75
		For Work In Restricted Working Space, Add	*12.04*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	65.05	28.34
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0329	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	76.61	28.44
		For Work In Restricted Working Space, Add	*12.80*	
22 11 16 00-0330	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	75.93	29.61
		For Work In Restricted Working Space, Add	*13.31*	
22 11 16 00-0331	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing	76.04	30.77
		For Work In Restricted Working Space, Add	*13.86*	
22 11 16 00-0332	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	78.37	32.36
		For Work In Restricted Working Space, Add	*14.56*	
22 11 16 00-0333	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	77.25	34.04
		For Work In Restricted Working Space, Add	*15.32*	
22 11 16 00-0334	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	107.18	38.70
		For Work In Restricted Working Space, Add	*17.42*	
22 11 16 00-0335	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	109.02	39.97
		For Work In Restricted Working Space, Add	*17.98*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	111.35	41.45
		For Work In Restricted Working Space, Add	*18.68*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	112.99	43.25
		For Work In Restricted Working Space, Add	*19.44*	
22 11 16 00-0338	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing	113.57	47.26
		For Work In Restricted Working Space, Add	*21.26*	
22 11 16 00-0339	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	136.25	47.58
		For Work In Restricted Working Space, Add	*21.43*	
22 11 16 00-0340	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing	138.08	48.85
		For Work In Restricted Working Space, Add	*21.98*	
22 11 16 00-0341	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	140.41	50.43
		For Work In Restricted Working Space, Add	*22.68*	
22 11 16 00-0342	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	141.69	52.12
		For Work In Restricted Working Space, Add	*23.45*	
22 11 16 00-0343	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing	141.84	56.14
		For Work In Restricted Working Space, Add	*25.27*	
22 11 16 00-0344	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	158.90	65.34
		For Work In Restricted Working Space, Add	*29.38*	
22 11 16 00-0345	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	211.60	50.46
		For Work In Restricted Working Space, Add	*22.73*	
22 11 16 00-0346	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing	213.39	51.70
		For Work In Restricted Working Space, Add	*23.27*	
22 11 16 00-0347	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	215.67	53.25
		For Work In Restricted Working Space, Add	*23.95*	
22 11 16 00-0348	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	218.16	54.91
		For Work In Restricted Working Space, Add	*24.70*	
22 11 16 00-0349	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing	208.11	58.84
		For Work In Restricted Working Space, Add	*26.48*	
22 11 16 00-0350	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	237.52	67.83
		For Work In Restricted Working Space, Add	*30.50*	
22 11 16 00-0351	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing	241.61	76.52
		For Work In Restricted Working Space, Add	*34.43*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange	65.80	38.64
22 11 16 00-0354	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange	71.92	42.29
22 11 16 00-0355	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange	82.70	47.79
22 11 16 00-0356	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	85.98	49.49
22 11 16 00-0357	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	93.57	53.82
22 11 16 00-0358	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange	100.99	56.14

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4", 125 LB, Galvanized Cast Iron Flange	129.56	42.29
		For Work In Restricted Working Space, Add	*19.03*	
22 11 16 00-0361	EA	1", 125 LB, Galvanized Cast Iron Flange	122.87	47.79
		For Work In Restricted Working Space, Add	*21.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0362	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	101.25	49.49
		For Work In Restricted Working Space, Add	*22.26*	
22 11 16 00-0363	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	120.68	53.82
		For Work In Restricted Working Space, Add	*24.22*	
22 11 16 00-0364	EA	2", 125 LB, Galvanized Cast Iron Flange	137.11	56.14
		For Work In Restricted Working Space, Add	*25.27*	
22 11 16 00-0365	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	159.29	65.03
		For Work In Restricted Working Space, Add	*29.23*	
22 11 16 00-0366	EA	3", 125 LB, Galvanized Cast Iron Flange	290.69	82.47
		For Work In Restricted Working Space, Add	*37.09*	
22 11 16 00-0367	EA	4", 125 LB, Galvanized Cast Iron Flange	392.94	110.34
		For Work In Restricted Working Space, Add	*49.62*	
22 11 16 00-0368	EA	5", 125 LB, Galvanized Cast Iron Flange	554.12	131.33
		For Work In Restricted Working Space, Add	*59.07*	
22 11 16 00-0369	EA	6", 125 LB, Galvanized Cast Iron Flange	608.00	150.87
		For Work In Restricted Working Space, Add	*67.86*	
22 11 16 00-0370	EA	8", 125 LB, Galvanized Cast Iron Flange	557.03	172.43
		For Work In Restricted Working Space, Add	*77.56*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	34.45	
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0373	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	37.89	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0374	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	41.34	
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0375	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	44.78	
		For Work In Restricted Working Space, Add	*13.43*	
22 11 16 00-0376	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	47.07	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0377	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	49.37	
		For Work In Restricted Working Space, Add	*14.81*	
22 11 16 00-0378	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	51.67	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0379	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	53.96	
		For Work In Restricted Working Space, Add	*16.19*	
22 11 16 00-0380	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	56.26	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0381	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe	60.85	
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0382	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe	65.44	
		For Work In Restricted Working Space, Add	*19.63*	

22 11 16 00-0383 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.

22 11 16 00-0384 Copper Tube/Pipe *(22 11 16 00-0383)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0386	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	5.35	2.59
		For Medical/Oxygen Service Tubing, Add	*0.12*	
		For Up To 20, Add	*0.57*	
		For >200, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-0387	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	6.21	2.69
		For Medical/Oxygen Service Tubing, Add	*0.17*	
		For Up To 20, Add	*0.68*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0388	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	6.79	2.80
		For Medical/Oxygen Service Tubing, Add	*0.21*	
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0389	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	8.65	2.97
		For Medical/Oxygen Service Tubing, Add	*0.34*	
		For Up To 20, Add	*0.97*	
		For >200, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0390	LF	1" Hard Drawn Type L Copper Tube/Pipe	11.08	3.34
		For Medical/Oxygen Service Tubing, Add	*0.49*	
		For Up To 20, Add	*1.26*	
		For >200, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*1.50*	
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	15.82	4.97
		For Medical/Oxygen Service Tubing, Add	*0.67*	
		For Up To 20, Add	*1.79*	
		For >200, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	19.08	5.55
		For Medical/Oxygen Service Tubing, Add	*0.86*	
		For Up To 20, Add	*2.18*	
		For >200, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0393	LF	2" Hard Drawn Type L Copper Tube/Pipe	27.28	6.85
		For Medical/Oxygen Service Tubing, Add	*1.36*	
		For Up To 20, Add	*3.15*	
		For >200, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*3.08*	
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	48.77	8.05
		For Medical/Oxygen Service Tubing, Add	*1.97*	
		For Up To 20, Add	*5.49*	
		For >200, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*7.25*	
22 11 16 00-0395	LF	3" Hard Drawn Type L Copper Tube/Pipe	61.25	9.48
		For Medical/Oxygen Service Tubing, Add	*2.63*	
		For Up To 20, Add	*6.95*	
		For >200, Deduct	*-3.28*	
		For Work In Restricted Working Space, Add	*8.53*	
22 11 16 00-0396	LF	4" Hard Drawn Type L Copper Tube/Pipe	90.56	10.70
		For Medical/Oxygen Service Tubing, Add	*4.68*	
		For Up To 20, Add	*10.52*	
		For >200, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*9.62*	
22 11 16 00-0397	LF	5" Hard Drawn Type L Copper Tube/Pipe	140.15	12.29
		For Medical/Oxygen Service Tubing, Add	*8.26*	
		For Up To 20, Add	*16.60*	
		For >200, Deduct	*-10.33*	
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0398	LF	6" Hard Drawn Type L Copper Tube/Pipe	192.99	19.04
		For Medical/Oxygen Service Tubing, Add	*10.87*	
		For Up To 20, Add	*22.70*	
		For >200, Deduct	*-13.59*	
		For Work In Restricted Working Space, Add	*17.13*	
22 11 16 00-0399	LF	8" Hard Drawn Type L Copper Tube/Pipe	319.59	21.17
		For Medical/Oxygen Service Tubing, Add	*20.49*	
		For Up To 20, Add	*38.36*	
		For >200, Deduct	*-25.61*	
		For Work In Restricted Working Space, Add	*19.04*	
22 11 16 00-0400		**Hard Drawn Type K Copper Tube/Pipe** *(22 11 16 00-0384)*		
22 11 16 00-0401	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	5.83	2.78
		For Medical/Oxygen Service Tubing, Add	*0.13*	
		For Up To 20, Add	*0.62*	
		For >200, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.25*	
22 11 16 00-0402	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	7.75	2.89
		For Medical/Oxygen Service Tubing, Add	*0.24*	
		For Up To 20, Add	*0.85*	
		For >200, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0403	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	8.15	3.01
		For Medical/Oxygen Service Tubing, Add	*0.28*	
		For Up To 20, Add	*0.90*	
		For >200, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*1.39*	
22 11 16 00-0404	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	11.71	3.19
		For Medical/Oxygen Service Tubing, Add	*0.51*	
		For Up To 20, Add	*1.33*	
		For >200, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*1.61*	
22 11 16 00-0405	LF	1" Hard Drawn Type K Copper Tube/Pipe	14.13	3.59
		For Medical/Oxygen Service Tubing, Add	*0.67*	
		For Up To 20, Add	*1.62*	
		For >200, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*1.72*	
22 11 16 00-0406	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	18.58	5.34
		For Medical/Oxygen Service Tubing, Add	*0.84*	
		For Up To 20, Add	*2.12*	
		For >200, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*2.43*	
22 11 16 00-0407	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	22.52	5.96
		For Medical/Oxygen Service Tubing, Add	*1.07*	
		For Up To 20, Add	*2.59*	
		For >200, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*2.73*	
22 11 16 00-0408	LF	2" Hard Drawn Type K Copper Tube/Pipe	31.78	7.36
		For Medical/Oxygen Service Tubing, Add	*1.65*	
		For Up To 20, Add	*3.69*	
		For >200, Deduct	*-2.06*	
		For Work In Restricted Working Space, Add	*3.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0409	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	55.00	8.65
		For Medical/Oxygen Service Tubing, Add	*2.46*	
		For Up To 20, Add	*6.27*	
		For >200, Deduct	*-3.07*	
		For Work In Restricted Working Space, Add	*7.28*	
22 11 16 00-0410	LF	3" Hard Drawn Type K Copper Tube/Pipe	73.28	10.20
		For Medical/Oxygen Service Tubing, Add	*3.36*	
		For Up To 20, Add	*8.38*	
		For >200, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*9.38*	
22 11 16 00-0411	LF	4" Hard Drawn Type K Copper Tube/Pipe	110.30	11.50
		For Medical/Oxygen Service Tubing, Add	*5.99*	
		For Up To 20, Add	*12.90*	
		For >200, Deduct	*-7.49*	
		For Work In Restricted Working Space, Add	*10.64*	
22 11 16 00-0412	LF	5" Hard Drawn Type K Copper Tube/Pipe	179.01	13.21
		For Medical/Oxygen Service Tubing, Add	*10.97*	
		For Up To 20, Add	*21.33*	
		For >200, Deduct	*-13.72*	
		For Work In Restricted Working Space, Add	*12.55*	
22 11 16 00-0413	LF	6" Hard Drawn Type K Copper Tube/Pipe	264.27	20.47
		For Medical/Oxygen Service Tubing, Add	*15.75*	
		For Up To 20, Add	*31.35*	
		For >200, Deduct	*-19.68*	
		For Work In Restricted Working Space, Add	*20.24*	
22 11 16 00-0414	LF	8" Hard Drawn Type K Copper Tube/Pipe	442.87	22.76
		For Medical/Oxygen Service Tubing, Add	*29.48*	
		For Up To 20, Add	*53.50*	
		For >200, Deduct	*-36.85*	
		For Work In Restricted Working Space, Add	*22.30*	
22 11 16 00-0415		**Hard Drawn Type M Copper Tube/Pipe** *(22 11 16 00-0384)*		
22 11 16 00-0416	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	5.18	2.43
		For Up To 20, Add	*0.56*	
		For >200, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.05*	
22 11 16 00-0417	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	5.50	2.53
		For Up To 20, Add	*0.60*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.08*	
22 11 16 00-0418	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	6.91	2.68
		For Up To 20, Add	*0.77*	
		For >200, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*1.15*	
22 11 16 00-0419	LF	1" Hard Drawn Type M Copper Tube/Pipe	9.03	3.01
		For Up To 20, Add	*1.02*	
		For >200, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0420	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	13.50	4.48
		For Up To 20, Add	*1.52*	
		For >200, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*1.98*	
22 11 16 00-0421	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	17.10	4.99
		For Up To 20, Add	*1.95*	
		For >200, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*2.27*	
22 11 16 00-0422	LF	2" Hard Drawn Type M Copper Tube/Pipe	24.38	6.15
		For Up To 20, Add	*2.81*	
		For >200, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0423	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	44.58	7.24
		For Up To 20, Add	*5.00*	
		For >200, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*6.85*	
22 11 16 00-0424	LF	3" Hard Drawn Type M Copper Tube/Pipe	54.56	8.53
		For Up To 20, Add	*6.18*	
		For >200, Deduct	*-2.89*	
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0425	LF	4" Hard Drawn Type M Copper Tube/Pipe	84.07	9.63
		For Up To 20, Add	*9.76*	
		For >200, Deduct	*-5.41*	
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-0426	LF	5" Hard Drawn Type M Copper Tube/Pipe	139.66	11.06
		For Up To 20, Add	*16.59*	
		For >200, Deduct	*-10.51*	
		For Work In Restricted Working Space, Add	*10.37*	
22 11 16 00-0427	LF	6" Hard Drawn Type M Copper Tube/Pipe	193.93	17.14
		For Up To 20, Add	*22.90*	
		For >200, Deduct	*-14.04*	
		For Work In Restricted Working Space, Add	*16.06*	
22 11 16 00-0428	LF	8" Hard Drawn Type M Copper Tube/Pipe	324.95	19.05
		For Up To 20, Add	*39.15*	
		For >200, Deduct	*-26.61*	
		For Work In Restricted Working Space, Add	*17.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0429		**Soft Drawn Type L Copper Tube** *(22 11 16 00-0384)*		
22 11 16 00-0430	LF	1/4" Soft Drawn Type L Copper Tube	5.78	2.59
		For Up To 20, Add	*0.63*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-0431	LF	3/8" Soft Drawn Type L Copper Tube	7.01	2.69
		For Up To 20, Add	*0.78*	
		For >200, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0432	LF	1/2" Soft Drawn Type L Copper Tube	8.19	2.80
		For Up To 20, Add	*0.92*	
		For >200, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0433	LF	5/8" Soft Drawn Type L Copper Tube	9.44	2.89
		For Up To 20, Add	*1.07*	
		For >200, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0434	LF	3/4" Soft Drawn Type L Copper Tube	10.55	2.97
		For Up To 20, Add	*1.21*	
		For >200, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0435	LF	1" Soft Drawn Type L Copper Tube	13.45	3.34
		For Up To 20, Add	*1.56*	
		For >200, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*1.50*	
22 11 16 00-0436	LF	1-1/4" Soft Drawn Type L Copper Tube	18.56	4.97
		For Up To 20, Add	*2.13*	
		For >200, Deduct	*-1.11*	
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-0437	LF	1-1/2" Soft Drawn Type L Copper Tube	23.37	5.55
		For Up To 20, Add	*2.71*	
		For >200, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0438	LF	2" Soft Drawn Type L Copper Tube	34.20	6.85
		For Up To 20, Add	*4.02*	
		For >200, Deduct	*-2.40*	
		For Work In Restricted Working Space, Add	*3.08*	
22 11 16 00-0439		**Soft Drawn Type K Copper Tube** *(22 11 16 00-0384)*		
22 11 16 00-0440	LF	1/4" Soft Drawn Type K Copper Tube	5.97	2.59
		For Up To 20, Add	*0.65*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-0441	LF	3/8" Soft Drawn Type K Copper Tube	7.63	2.69
		For Up To 20, Add	*0.85*	
		For >200, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.21*	
22 11 16 00-0442	LF	1/2" Soft Drawn Type K Copper Tube	8.70	2.80
		For Up To 20, Add	*0.98*	
		For >200, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0443	LF	5/8" Soft Drawn Type K Copper Tube	9.69	2.89
		For Up To 20, Add	*1.10*	
		For >200, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0444	LF	3/4" Soft Drawn Type K Copper Tube	12.77	2.97
		For Up To 20, Add	*1.48*	
		For >200, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0445	LF	1" Soft Drawn Type K Copper Tube	16.04	3.34
		For Up To 20, Add	*1.88*	
		For >200, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*1.50*	
22 11 16 00-0446	LF	1-1/4" Soft Drawn Type K Copper Tube	20.46	4.97
		For Up To 20, Add	*2.37*	
		For >200, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-0447	LF	1-1/2" Soft Drawn Type K Copper Tube	26.39	5.55
		For Up To 20, Add	*3.09*	
		For >200, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0448	LF	2" Soft Drawn Type K Copper Tube	38.35	6.85
		For Up To 20, Add	*4.54*	
		For >200, Deduct	*-2.81*	
		For Work In Restricted Working Space, Add	*3.08*	
22 11 16 00-0449	LF	2-1/2" Soft Drawn Type K Copper Tube	54.44	8.21
		For Up To 20, Add	*6.50*	
		For >200, Deduct	*-4.21*	
		For Work In Restricted Working Space, Add	*3.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0450	LF	3" Soft Drawn Type K Copper Tube	73.15	9.69
		For Up To 20, Add	*8.78*	
		For >200, Deduct	*-5.86*	
		For Work In Restricted Working Space, Add	*4.36*	
22 11 16 00-0451		**Copper And Brass Fittings** *(22 11 16 00-0383)*		
		Note: All fittings are based on 95/5 solder.		
22 11 16 00-0452		**90 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0453	EA	1/4" 90 Degree Copper Elbow	27.77	15.32
		For Silver Solder Instead Of 95/5 Solder, Add	*3.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.45*	
		For Street Fitting, Add	*1.92*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0454	EA	3/8" 90 Degree Copper Elbow	32.64	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Street Fitting, Add	*2.03*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0455	EA	1/2" 90 Degree Copper Elbow	39.54	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*5.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Street Fitting, Add	*0.66*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0456	EA	3/4" 90 Degree Copper Elbow	50.77	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Street Fitting, Add	*1.48*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0457	EA	1" 90 Degree Copper Elbow	65.32	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*8.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Street Fitting, Add	*3.62*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0458	EA	1-1/4" 90 Degree Copper Elbow	74.39	40.65
		For Silver Solder Instead Of 95/5 Solder, Add	*9.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.13*	
		For Street Fitting, Add	*5.42*	
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0459	EA	1-1/2" 90 Degree Copper Elbow	87.78	44.44
		For Silver Solder Instead Of 95/5 Solder, Add	*11.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.99*	
		For Street Fitting, Add	*8.47*	
		For Work In Restricted Working Space, Add	*19.98*	
22 11 16 00-0460	EA	2" 90 Degree Copper Elbow	113.23	49.83
		For Silver Solder Instead Of 95/5 Solder, Add	*13.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.19*	
		For Street Fitting, Add	*15.44*	
		For Work In Restricted Working Space, Add	*22.39*	
22 11 16 00-0461	EA	2-1/2" 90 Degree Copper Elbow	167.17	50.75
		For Silver Solder Instead Of 95/5 Solder, Add	*15.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.42*	
		For Work In Restricted Working Space, Add	*22.84*	
22 11 16 00-0462	EA	3" 90 Degree Copper Elbow	219.32	60.69
		For Silver Solder Instead Of 95/5 Solder, Add	*20.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.28*	
22 11 16 00-0463	EA	4" 90 Degree Copper Elbow	440.51	86.07
		For Silver Solder Instead Of 95/5 Solder, Add	*34.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.35*	
		For Work In Restricted Working Space, Add	*38.70*	
22 11 16 00-0464	EA	5" 90 Degree Copper Elbow	1,481.60	117.79
		For Silver Solder Instead Of 95/5 Solder, Add	*91.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-82.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.49*	
		For Work In Restricted Working Space, Add	*52.97*	
22 11 16 00-0465	EA	6" 90 Degree Copper Elbow	1,996.64	171.40
		For Silver Solder Instead Of 95/5 Solder, Add	*125.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-112.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*38.54*	
		For Work In Restricted Working Space, Add	*77.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0466	EA	8" 90 Degree Copper Elbow	6,778.63	228.49
		For Silver Solder Instead Of 95/5 Solder, Add	*373.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-356.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*51.39*	
		For Work In Restricted Working Space, Add	*102.77*	
22 11 16 00-0467		**90 Degree Brass Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0468	EA	1/2" Drop Ear 90 Degree Brass Elbow	48.23	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*6.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0469	EA	3/4" Drop Ear 90 Degree Brass Elbow	77.21	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*8.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0470	EA	1/2" Flanged Sink 90 Degree Brass Elbow	56.73	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*6.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0471	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	43.02	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0472	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	48.96	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*6.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0473	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	66.55	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*8.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0474	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	118.46	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*11.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0475		**Reducing 90 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0476	EA	1/2" Reducing 90 Degree Copper Elbow	51.24	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*6.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0477	EA	3/4" Reducing 90 Degree Copper Elbow	56.54	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0478	EA	1" Reducing 90 Degree Copper Elbow	73.64	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*9.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0479	EA	1-1/4" Reducing 90 Degree Copper Elbow	105.12	40.65
		For Silver Solder Instead Of 95/5 Solder, Add	*11.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.13*	
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0480	EA	1-1/2" Reducing 90 Degree Copper Elbow	124.78	44.44
		For Silver Solder Instead Of 95/5 Solder, Add	*12.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.99*	
		For Work In Restricted Working Space, Add	*19.98*	
22 11 16 00-0481	EA	2" Reducing 90 Degree Copper Elbow	152.93	49.83
		For Silver Solder Instead Of 95/5 Solder, Add	*15.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.19*	
		For Work In Restricted Working Space, Add	*22.39*	
22 11 16 00-0482		**45 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0483	EA	1/4" 45 Degree Copper Elbow	31.93	15.32
		For Silver Solder Instead Of 95/5 Solder, Add	*3.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.45*	
		For Street Fitting, Add	*3.58*	
		For Work In Restricted Working Space, Add	*6.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0484	EA	3/8" 45 Degree Copper Elbow	35.24	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Street Fitting, Add	*3.07*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0485	EA	1/2" 45 Degree Copper Elbow	40.91	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*5.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Street Fitting, Add	*1.21*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0486	EA	3/4" 45 Degree Copper Elbow	52.24	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Street Fitting, Add	*2.07*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0487	EA	1" 45 Degree Copper Elbow	69.16	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*9.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Street Fitting, Add	*5.16*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0488	EA	1-1/4" 45 Degree Copper Elbow	78.32	40.65
		For Silver Solder Instead Of 95/5 Solder, Add	*10.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.13*	
		For Street Fitting, Add	*6.99*	
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0489	EA	1-1/2" 45 Degree Copper Elbow	88.05	44.44
		For Silver Solder Instead Of 95/5 Solder, Add	*11.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.99*	
		For Street Fitting, Add	*8.58*	
		For Work In Restricted Working Space, Add	*19.98*	
22 11 16 00-0490	EA	2" 45 Degree Copper Elbow	110.40	49.83
		For Silver Solder Instead Of 95/5 Solder, Add	*12.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.19*	
		For Work In Restricted Working Space, Add	*22.39*	
22 11 16 00-0491	EA	2-1/2" 45 Degree Copper Elbow	166.07	50.75
		For Silver Solder Instead Of 95/5 Solder, Add	*15.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.42*	
		For Work In Restricted Working Space, Add	*22.84*	
22 11 16 00-0492	EA	3" 45 Degree Copper Elbow	224.38	60.69
		For Silver Solder Instead Of 95/5 Solder, Add	*20.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.28*	
22 11 16 00-0493	EA	4" 45 Degree Copper Elbow	413.55	86.07
		For Silver Solder Instead Of 95/5 Solder, Add	*33.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.35*	
		For Work In Restricted Working Space, Add	*38.70*	
22 11 16 00-0494	EA	5" 45 Degree Copper Elbow	1,278.62	117.79
		For Silver Solder Instead Of 95/5 Solder, Add	*81.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-72.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.49*	
		For Work In Restricted Working Space, Add	*52.97*	
22 11 16 00-0495	EA	6" 45 Degree Copper Elbow	1,993.67	171.40
		For Silver Solder Instead Of 95/5 Solder, Add	*125.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-112.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*38.54*	
		For Work In Restricted Working Space, Add	*77.08*	
22 11 16 00-0496	EA	8" 45 Degree Copper Elbow	6,243.95	228.49
		For Silver Solder Instead Of 95/5 Solder, Add	*346.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-329.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*51.39*	
		For Work In Restricted Working Space, Add	*102.77*	

22 11 16 00-0497 Straight Copper And Brass Tees *(22 11 16 00-0451)*

22 11 16 00-0498	EA	1/4" Straight Copper Tee	44.51	22.97
		For Silver Solder Instead Of 95/5 Solder, Add	*5.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.17*	
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0499	EA	3/8" Straight Copper Tee	49.44	27.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0500	EA	1/2" Straight Copper Tee	60.25	38.34
		For Silver Solder Instead Of 95/5 Solder, Add	*8.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.61*	
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0501	EA	3/4" Straight Copper Tee	77.96	47.54
		For Silver Solder Instead Of 95/5 Solder, Add	*11.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.68*	
		For Work In Restricted Working Space, Add	*21.36*	
22 11 16 00-0502	EA	1" Straight Copper Tee	105.32	56.72
		For Silver Solder Instead Of 95/5 Solder, Add	*13.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.75*	
		For Work In Restricted Working Space, Add	*25.49*	
22 11 16 00-0503	EA	1-1/4" Straight Copper Tee	120.21	61.81
		For Silver Solder Instead Of 95/5 Solder, Add	*15.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.78*	
		For Work In Restricted Working Space, Add	*27.56*	
22 11 16 00-0504	EA	1-1/2" Straight Copper Tee	142.79	66.60
		For Silver Solder Instead Of 95/5 Solder, Add	*17.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.98*	
		For Work In Restricted Working Space, Add	*29.97*	
22 11 16 00-0505	EA	2" Straight Copper Tee	180.72	75.09
		For Silver Solder Instead Of 95/5 Solder, Add	*20.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.88*	
		For Work In Restricted Working Space, Add	*33.76*	
22 11 16 00-0506	EA	2-1/2" Straight Copper Tee	276.47	76.13
		For Silver Solder Instead Of 95/5 Solder, Add	*25.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.13*	
		For Work In Restricted Working Space, Add	*34.26*	
22 11 16 00-0507	EA	3" Straight Copper Tee	385.38	91.67
		For Silver Solder Instead Of 95/5 Solder, Add	*33.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.62*	
		For Work In Restricted Working Space, Add	*41.24*	
22 11 16 00-0508	EA	4" Straight Copper Tee	792.47	128.36
		For Silver Solder Instead Of 95/5 Solder, Add	*58.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.86*	
		For Work In Restricted Working Space, Add	*57.73*	
22 11 16 00-0509	EA	5" Straight Copper Tee	2,224.78	175.63
		For Silver Solder Instead Of 95/5 Solder, Add	*137.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-124.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.49*	
		For Work In Restricted Working Space, Add	*78.98*	
22 11 16 00-0510	EA	6" Straight Copper Tee	3,067.29	257.46
		For Silver Solder Instead Of 95/5 Solder, Add	*191.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-172.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*57.89*	
		For Work In Restricted Working Space, Add	*115.78*	
22 11 16 00-0511	EA	8" Straight Copper Tee	10,857.09	342.79
		For Silver Solder Instead Of 95/5 Solder, Add	*594.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-568.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*77.08*	
		For Work In Restricted Working Space, Add	*154.16*	
22 11 16 00-0512	EA	1/2" Cast Bronze Drop Ear Tee	74.84	38.34
		For Silver Solder Instead Of 95/5 Solder, Add	*9.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.61*	
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0513		Reducing Copper Tees *(22 11 16 00-0451)*		
22 11 16 00-0514	EA	3/8" Reducing Copper Tee	52.75	24.46
		For Silver Solder Instead Of 95/5 Solder, Add	*6.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.51*	
		For Work In Restricted Working Space, Add	*11.02*	
22 11 16 00-0515	EA	1/2" Reducing Copper Tee	65.76	34.45
		For Silver Solder Instead Of 95/5 Solder, Add	*8.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0516	EA	3/4" Reducing Copper Tee	73.78	44.44
		For Silver Solder Instead Of 95/5 Solder, Add	*10.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.99*	
		For Work In Restricted Working Space, Add	*19.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0517	EA	1" Reducing Copper Tee	103.19	53.62
		For Silver Solder Instead Of 95/5 Solder, Add	*13.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.06*	
		For Work In Restricted Working Space, Add	*24.11*	
22 11 16 00-0518	EA	1-1/4" Reducing Copper Tee	121.88	58.21
		For Silver Solder Instead Of 95/5 Solder, Add	*14.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.09*	
		For Work In Restricted Working Space, Add	*26.18*	
22 11 16 00-0519	EA	1-1/2" Reducing Copper Tee	144.24	63.61
		For Silver Solder Instead Of 95/5 Solder, Add	*16.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.30*	
		For Work In Restricted Working Space, Add	*28.59*	
22 11 16 00-0520	EA	2" Reducing Copper Tee	177.53	71.19
		For Silver Solder Instead Of 95/5 Solder, Add	*19.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.02*	
		For Work In Restricted Working Space, Add	*32.03*	
22 11 16 00-0521	EA	2-1/2" Reducing Copper Tee	287.73	73.38
		For Silver Solder Instead Of 95/5 Solder, Add	*25.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.49*	
		For Work In Restricted Working Space, Add	*32.99*	
22 11 16 00-0522	EA	3" Reducing Copper Tee	418.81	84.58
		For Silver Solder Instead Of 95/5 Solder, Add	*33.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.03*	
		For Work In Restricted Working Space, Add	*38.06*	
22 11 16 00-0523	EA	4" Reducing Copper Tee	771.05	104.36
		For Silver Solder Instead Of 95/5 Solder, Add	*54.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-46.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.47*	
		For Work In Restricted Working Space, Add	*46.95*	
22 11 16 00-0524		**Copper Couplings** *(22 11 16 00-0451)*		
22 11 16 00-0525	EA	1/4" Copper Coupling	23.93	15.32
		For Silver Solder Instead Of 95/5 Solder, Add	*3.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.45*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0526	EA	3/8" Copper Coupling	28.84	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0527	EA	1/2" Copper Coupling	38.94	25.26
		For Silver Solder Instead Of 95/5 Solder, Add	*5.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.68*	
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0528	EA	3/4" Copper Coupling	49.22	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0529	EA	1" Copper Coupling	60.51	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*8.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0530	EA	1-1/4" Copper Coupling	68.35	40.65
		For Silver Solder Instead Of 95/5 Solder, Add	*9.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.13*	
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0531	EA	1-1/2" Copper Coupling	76.52	44.44
		For Silver Solder Instead Of 95/5 Solder, Add	*10.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.99*	
		For Work In Restricted Working Space, Add	*19.98*	
22 11 16 00-0532	EA	2" Copper Coupling	91.14	49.37
		For Silver Solder Instead Of 95/5 Solder, Add	*12.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.19*	
		For Work In Restricted Working Space, Add	*22.39*	
22 11 16 00-0533	EA	2-1/2" Copper Coupling	112.72	48.00
		For Silver Solder Instead Of 95/5 Solder, Add	*12.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.79*	
		For Work In Restricted Working Space, Add	*21.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0534	EA	3" Copper Coupling	142.26	58.15
		For Silver Solder Instead Of 95/5 Solder, Add	*15.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.01*	
		For Work In Restricted Working Space, Add	*26.01*	
22 11 16 00-0535	EA	4" Copper Coupling	238.71	78.24
		For Silver Solder Instead Of 95/5 Solder, Add	*23.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.45*	
		For Work In Restricted Working Space, Add	*34.89*	
22 11 16 00-0536	EA	5" Copper Coupling	413.68	142.74
		For Silver Solder Instead Of 95/5 Solder, Add	*36.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.79*	
		For Work In Restricted Working Space, Add	*47.58*	
22 11 16 00-0537	EA	6" Copper Coupling	654.15	155.11
		For Silver Solder Instead Of 95/5 Solder, Add	*55.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-44.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.89*	
		For Work In Restricted Working Space, Add	*69.79*	
22 11 16 00-0538	EA	8" Copper Coupling	1,675.16	205.65
		For Silver Solder Instead Of 95/5 Solder, Add	*114.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-99.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*46.31*	
		For Work In Restricted Working Space, Add	*92.62*	
22 11 16 00-0539		**Reducing Copper Couplings** *(22 11 16 00-0451)*		
22 11 16 00-0540	EA	3/8" Reducing Copper Coupling	25.07	15.28
		For Silver Solder Instead Of 95/5 Solder, Add	*3.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.45*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0541	EA	1/2" Reducing Copper Coupling	34.93	21.82
		For Silver Solder Instead Of 95/5 Solder, Add	*5.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.91*	
		For Work In Restricted Working Space, Add	*9.82*	
22 11 16 00-0542	EA	3/4" Reducing Copper Coupling	46.28	28.36
		For Silver Solder Instead Of 95/5 Solder, Add	*6.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.37*	
		For Work In Restricted Working Space, Add	*12.74*	
22 11 16 00-0543	EA	1" Reducing Copper Coupling	58.53	34.45
		For Silver Solder Instead Of 95/5 Solder, Add	*8.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0544	EA	1-1/4" Reducing Copper Coupling	68.11	39.04
		For Silver Solder Instead Of 95/5 Solder, Add	*9.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.57*	
22 11 16 00-0545	EA	1-1/2" Reducing Copper Coupling	79.54	42.48
		For Silver Solder Instead Of 95/5 Solder, Add	*10.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.56*	
		For Work In Restricted Working Space, Add	*19.12*	
22 11 16 00-0546	EA	2" Reducing Copper Coupling	95.09	47.07
		For Silver Solder Instead Of 95/5 Solder, Add	*11.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.59*	
		For Work In Restricted Working Space, Add	*21.19*	
22 11 16 00-0547	EA	2-1/2" Reducing Copper Coupling	132.98	48.32
		For Silver Solder Instead Of 95/5 Solder, Add	*13.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.86*	
		For Work In Restricted Working Space, Add	*21.73*	
22 11 16 00-0548	EA	3" Reducing Copper Coupling	158.40	56.03
		For Silver Solder Instead Of 95/5 Solder, Add	*16.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.53*	
		For Work In Restricted Working Space, Add	*25.06*	
22 11 16 00-0549	EA	4" Reducing Copper Coupling	258.59	73.38
		For Silver Solder Instead Of 95/5 Solder, Add	*23.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.49*	
		For Work In Restricted Working Space, Add	*32.99*	
22 11 16 00-0550	EA	5" Reducing Copper Coupling	734.54	102.24
		For Silver Solder Instead Of 95/5 Solder, Add	*52.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-44.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.00*	
		For Work In Restricted Working Space, Add	*45.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0551	EA	6" Reducing Copper Coupling	1,106.24	137.45
		For Silver Solder Instead Of 95/5 Solder, Add	*75.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-65.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.93*	
		For Work In Restricted Working Space, Add	*61.85*	
22 11 16 00-0552	EA	8" Reducing Copper Coupling	2,208.33	200.29
		For Silver Solder Instead Of 95/5 Solder, Add	*140.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-125.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.04*	
		For Work In Restricted Working Space, Add	*90.09*	
22 11 16 00-0553		**Male Copper Adapters** *(22 11 16 00-0451)*		
22 11 16 00-0554	EA	1/4" Male Copper Adapter	39.94	14.92
		For Silver Solder Instead Of 95/5 Solder, Add	*4.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.45*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0555	EA	3/8" Male Copper Adapter	36.02	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0556	EA	1/2" Male Copper Adapter	37.88	22.97
		For Silver Solder Instead Of 95/5 Solder, Add	*5.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.17*	
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0557	EA	3/4" Male Copper Adapter	48.29	28.71
		For Silver Solder Instead Of 95/5 Solder, Add	*6.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.37*	
		For Work In Restricted Working Space, Add	*12.74*	
22 11 16 00-0558	EA	1" Male Copper Adapter	64.14	33.30
		For Silver Solder Instead Of 95/5 Solder, Add	*8.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.41*	
		For Work In Restricted Working Space, Add	*14.81*	
22 11 16 00-0559	EA	1-1/4" Male Copper Adapter	78.91	37.89
		For Silver Solder Instead Of 95/5 Solder, Add	*9.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.61*	
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0560	EA	1-1/2" Male Copper Adapter	90.60	43.63
		For Silver Solder Instead Of 95/5 Solder, Add	*11.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.82*	
		For Work In Restricted Working Space, Add	*19.64*	
22 11 16 00-0561	EA	2" Male Copper Adapter	126.40	55.68
		For Silver Solder Instead Of 95/5 Solder, Add	*14.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.57*	
		For Work In Restricted Working Space, Add	*25.15*	
22 11 16 00-0562	EA	2-1/2" Male Copper Adapter	270.81	72.34
		For Silver Solder Instead Of 95/5 Solder, Add	*24.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.19*	
		For Work In Restricted Working Space, Add	*32.38*	
22 11 16 00-0563	EA	3" Male Copper Adapter	359.44	96.48
		For Silver Solder Instead Of 95/5 Solder, Add	*32.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.57*	
		For Work In Restricted Working Space, Add	*43.14*	
22 11 16 00-0564	EA	4" Male Copper Adapter	547.86	135.34
		For Silver Solder Instead Of 95/5 Solder, Add	*47.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.45*	
		For Work In Restricted Working Space, Add	*60.90*	
22 11 16 00-0565		**Female Copper Adapters** *(22 11 16 00-0451)*		
22 11 16 00-0566	EA	1/4" Female Copper Adapter	33.81	14.92
		For Silver Solder Instead Of 95/5 Solder, Add	*3.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.45*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0567	EA	3/8" Female Copper Adapter	38.90	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0568	EA	1/2" Female Copper Adapter	39.94	22.97
		For Silver Solder Instead Of 95/5 Solder, Add	*5.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.17*	
		For Work In Restricted Working Space, Add	*10.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0569	EA	3/4" Female Copper Adapter	49.98	28.71
		For Silver Solder Instead Of 95/5 Solder, Add	*6.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.37*	
		For Work In Restricted Working Space, Add	*12.74*	
22 11 16 00-0570	EA	1" Female Copper Adapter	66.52	33.30
		For Silver Solder Instead Of 95/5 Solder, Add	*8.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.41*	
		For Work In Restricted Working Space, Add	*14.81*	
22 11 16 00-0571	EA	1-1/4" Female Copper Adapter	82.56	37.89
		For Silver Solder Instead Of 95/5 Solder, Add	*9.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.61*	
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0572	EA	1-1/2" Female Copper Adapter	104.83	43.63
		For Silver Solder Instead Of 95/5 Solder, Add	*11.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.82*	
		For Work In Restricted Working Space, Add	*19.64*	
22 11 16 00-0573	EA	2" Female Copper Adapter	137.24	55.68
		For Silver Solder Instead Of 95/5 Solder, Add	*15.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.57*	
		For Work In Restricted Working Space, Add	*25.15*	
22 11 16 00-0574	EA	2-1/2" Female Copper Adapter	329.22	66.61
		For Silver Solder Instead Of 95/5 Solder, Add	*26.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.91*	
		For Work In Restricted Working Space, Add	*29.82*	
22 11 16 00-0575	EA	3" Female Copper Adapter	530.95	96.48
		For Silver Solder Instead Of 95/5 Solder, Add	*40.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.57*	
		For Work In Restricted Working Space, Add	*43.14*	
22 11 16 00-0576		**Wrot Copper, Solder Union** *(22 11 16 00-0451)*		
22 11 16 00-0577	EA	1/4" Wrot Copper, Solder Union	40.36	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0578	EA	3/8" Wrot Copper, Solder Union	46.48	22.16
		For Silver Solder Instead Of 95/5 Solder, Add	*5.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*9.99*	
22 11 16 00-0579	EA	1/2" Wrot Copper, Solder Union	49.49	27.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0580	EA	3/4" Wrot Copper, Solder Union	57.09	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0581	EA	1" Wrot Copper, Solder Union	73.48	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*9.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0582	EA	1-1/4" Wrot Copper, Solder Union	86.94	41.34
		For Silver Solder Instead Of 95/5 Solder, Add	*10.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.30*	
		For Work In Restricted Working Space, Add	*18.60*	
22 11 16 00-0583	EA	1-1/2" Wrot Copper, Solder Union	104.06	45.93
		For Silver Solder Instead Of 95/5 Solder, Add	*12.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.34*	
		For Work In Restricted Working Space, Add	*20.67*	
22 11 16 00-0584	EA	2" Wrot Copper, Solder Union	142.61	55.11
		For Silver Solder Instead Of 95/5 Solder, Add	*15.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.40*	
		For Work In Restricted Working Space, Add	*24.80*	
22 11 16 00-0585	EA	2-1/2" Wrot Copper, Solder Union	254.39	60.69
		For Silver Solder Instead Of 95/5 Solder, Add	*21.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0586	EA	3" Wrot Copper, Solder Union	551.97	86.07
		For Silver Solder Instead Of 95/5 Solder, Add	*40.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.35*	
		For Work In Restricted Working Space, Add	*38.70*	
22 11 16 00-0587		**Cast Bronze, Solder Union** *(22 11 16 00-0451)*		
22 11 16 00-0588	EA	1/4" Cast Bronze, Solder Union	45.07	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*5.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0589	EA	3/8" Cast Bronze, Solder Union	50.94	22.16
		For Silver Solder Instead Of 95/5 Solder, Add	*5.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*9.99*	
22 11 16 00-0590	EA	1/2" Cast Bronze, Solder Union	50.73	27.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0591	EA	3/4" Cast Bronze, Solder Union	58.84	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0592	EA	1" Cast Bronze, Solder Union	76.52	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*9.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0593	EA	1-1/4" Cast Bronze, Solder Union	95.25	41.34
		For Silver Solder Instead Of 95/5 Solder, Add	*10.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.30*	
		For Work In Restricted Working Space, Add	*18.60*	
22 11 16 00-0594	EA	1-1/2" Cast Bronze, Solder Union	112.74	45.93
		For Silver Solder Instead Of 95/5 Solder, Add	*12.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.34*	
		For Work In Restricted Working Space, Add	*20.67*	
22 11 16 00-0595	EA	2" Cast Bronze, Solder Union	157.38	55.11
		For Silver Solder Instead Of 95/5 Solder, Add	*16.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.40*	
		For Work In Restricted Working Space, Add	*24.80*	
22 11 16 00-0596	EA	2-1/2" Cast Bronze, Solder Union	254.38	60.69
		For Silver Solder Instead Of 95/5 Solder, Add	*21.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.28*	
22 11 16 00-0597	EA	3" Cast Bronze, Solder Union	551.97	86.07
		For Silver Solder Instead Of 95/5 Solder, Add	*40.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.35*	
		For Work In Restricted Working Space, Add	*38.70*	
22 11 16 00-0598		**Cast Bronze, Solder X Female Threaded Union** *(22 11 16 00-0451)*		
22 11 16 00-0599	EA	1/4" Cast Bronze, Solder X Female Threaded Union	51.45	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*5.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0600	EA	3/8" Cast Bronze, Solder X Female Threaded Union	58.02	22.16
		For Silver Solder Instead Of 95/5 Solder, Add	*6.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*9.99*	
22 11 16 00-0601	EA	1/2" Cast Bronze, Solder X Female Threaded Union	60.97	27.56
		For Silver Solder Instead Of 95/5 Solder, Add	*7.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0602	EA	3/4" Cast Bronze, Solder X Female Threaded Union	73.83	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*8.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0603	EA	1" Cast Bronze, Solder X Female Threaded Union	111.92	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*11.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0604	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	165.73	41.34
		For Silver Solder Instead Of 95/5 Solder, Add	*14.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.30*	
		For Work In Restricted Working Space, Add	*18.60*	
22 11 16 00-0605	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	200.31	45.93
		For Silver Solder Instead Of 95/5 Solder, Add	*16.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.34*	
		For Work In Restricted Working Space, Add	*20.67*	
22 11 16 00-0606	EA	2" Cast Bronze, Solder X Female Threaded Union	305.11	55.11
		For Silver Solder Instead Of 95/5 Solder, Add	*23.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.40*	
		For Work In Restricted Working Space, Add	*24.80*	
22 11 16 00-0607	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	512.60	60.69
		For Silver Solder Instead Of 95/5 Solder, Add	*34.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.28*	
22 11 16 00-0608		**Cast Bronze, Solder X Male Threaded Union** *(22 11 16 00-0451)*		
22 11 16 00-0609	EA	1/4" Cast Bronze, Solder X Male Threaded Union	45.76	18.37
		For Silver Solder Instead Of 95/5 Solder, Add	*5.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-0610	EA	3/8" Cast Bronze, Solder X Male Threaded Union	54.54	22.16
		For Silver Solder Instead Of 95/5 Solder, Add	*6.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*9.99*	
22 11 16 00-0611	EA	1/2" Cast Bronze, Solder X Male Threaded Union	56.84	27.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.20*	
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0612	EA	3/4" Cast Bronze, Solder X Male Threaded Union	70.33	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*8.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.06*	
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0613	EA	1" Cast Bronze, Solder X Male Threaded Union	113.52	37.55
		For Silver Solder Instead Of 95/5 Solder, Add	*11.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0614	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	133.03	41.34
		For Silver Solder Instead Of 95/5 Solder, Add	*12.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.30*	
		For Work In Restricted Working Space, Add	*18.60*	
22 11 16 00-0615	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	143.51	45.93
		For Silver Solder Instead Of 95/5 Solder, Add	*14.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.34*	
		For Work In Restricted Working Space, Add	*20.67*	
22 11 16 00-0616	EA	2" Cast Bronze, Solder X Male Threaded Union	197.27	55.11
		For Silver Solder Instead Of 95/5 Solder, Add	*18.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.40*	
		For Work In Restricted Working Space, Add	*24.80*	
22 11 16 00-0617	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	426.77	60.69
		For Silver Solder Instead Of 95/5 Solder, Add	*30.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.28*	
22 11 16 00-0618		**Copper Caps** *(22 11 16 00-0451)*		
22 11 16 00-0619	EA	1/4" Copper Cap	9.04	5.05
		For Silver Solder Instead Of 95/5 Solder, Add	*1.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.14*	
		For Work In Restricted Working Space, Add	*2.27*	
22 11 16 00-0620	EA	3/8" Copper Cap	11.42	5.97
		For Silver Solder Instead Of 95/5 Solder, Add	*1.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.36*	
		For Work In Restricted Working Space, Add	*2.73*	
22 11 16 00-0621	EA	1/2" Copper Cap	13.70	8.27
		For Silver Solder Instead Of 95/5 Solder, Add	*1.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0622	EA	3/4" Copper Cap	17.78	10.22
		For Silver Solder Instead Of 95/5 Solder, Add	*2.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.33*	
		For Work In Restricted Working Space, Add	*4.66*	
22 11 16 00-0623	EA	1" Copper Cap	23.83	12.28
		For Silver Solder Instead Of 95/5 Solder, Add	*3.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
22 11 16 00-0624	EA	1-1/4" Copper Cap	27.12	13.20
		For Silver Solder Instead Of 95/5 Solder, Add	*3.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.01*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0625	EA	1-1/2" Copper Cap	32.21	14.47
		For Silver Solder Instead Of 95/5 Solder, Add	*3.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.30*	
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-0626	EA	2" Copper Cap	41.61	15.01
		For Silver Solder Instead Of 95/5 Solder, Add	*4.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.40*	
		For Work In Restricted Working Space, Add	*6.80*	
22 11 16 00-0627	EA	2-1/2" Copper Cap	94.86	17.55
		For Silver Solder Instead Of 95/5 Solder, Add	*7.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.00*	
		For Work In Restricted Working Space, Add	*8.00*	
22 11 16 00-0628	EA	3" Copper Cap	131.80	22.52
		For Silver Solder Instead Of 95/5 Solder, Add	*10.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.12*	
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0629	EA	4" Copper Cap	235.99	34.04
		For Silver Solder Instead Of 95/5 Solder, Add	*16.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.74*	
		For Work In Restricted Working Space, Add	*15.48*	
22 11 16 00-0630	EA	5" Cast Bronze Cap	1,375.58	52.45
		For Silver Solder Instead Of 95/5 Solder, Add	*76.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-72.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.92*	
		For Work In Restricted Working Space, Add	*23.84*	
22 11 16 00-0631	EA	6" Cast Bronze Cap	2,697.96	76.34
		For Silver Solder Instead Of 95/5 Solder, Add	*146.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-140.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.34*	
		For Work In Restricted Working Space, Add	*34.69*	
22 11 16 00-0632	EA	8" Cast Bronze Cap	3,431.54	101.71
		For Silver Solder Instead Of 95/5 Solder, Add	*186.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-179.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.12*	
		For Work In Restricted Working Space, Add	*46.25*	

22 11 16 00-0633 Copper Crosses *(22 11 16 00-0451)*

22 11 16 00-0634	EA	1/2" Copper Cross	88.66	46.52
		For Silver Solder Instead Of 95/5 Solder, Add	*11.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.47*	
		For Work In Restricted Working Space, Add	*20.94*	
22 11 16 00-0635	EA	3/4" Copper Cross	123.37	57.84
		For Silver Solder Instead Of 95/5 Solder, Add	*14.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.01*	
		For Work In Restricted Working Space, Add	*26.01*	
22 11 16 00-0636	EA	1" Copper Cross	165.90	69.04
		For Silver Solder Instead Of 95/5 Solder, Add	*18.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.54*	
		For Work In Restricted Working Space, Add	*31.08*	
22 11 16 00-0637	EA	1-1/4" Copper Cross	201.61	74.75
		For Silver Solder Instead Of 95/5 Solder, Add	*21.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.81*	
		For Work In Restricted Working Space, Add	*33.62*	
22 11 16 00-0638	EA	1-1/2" Copper Cross	250.25	81.73
		For Silver Solder Instead Of 95/5 Solder, Add	*24.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.40*	
		For Work In Restricted Working Space, Add	*36.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0639	EA	2" Copper Cross	378.52	91.67
		For Silver Solder Instead Of 95/5 Solder, Add	*32.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.62*	
		For Work In Restricted Working Space, Add	*41.24*	
22 11 16 00-0640	EA	2-1/2" Copper Cross	707.94	101.50
		For Silver Solder Instead Of 95/5 Solder, Add	*50.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.84*	
		For Work In Restricted Working Space, Add	*45.68*	
22 11 16 00-0641		**Cast Bronze Crosses** *(22 11 16 00-0451)*		
22 11 16 00-0642	EA	3/8" Cast Bronze Cross	75.90	33.83
		For Silver Solder Instead Of 95/5 Solder, Add	*8.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.61*	
		For Work In Restricted Working Space, Add	*15.23*	
22 11 16 00-0643	EA	1/2" Cast Bronze Cross	92.43	46.52
		For Silver Solder Instead Of 95/5 Solder, Add	*11.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.47*	
		For Work In Restricted Working Space, Add	*20.94*	
22 11 16 00-0644	EA	3/4" Cast Bronze Cross	130.70	57.84
		For Silver Solder Instead Of 95/5 Solder, Add	*15.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.01*	
		For Work In Restricted Working Space, Add	*26.01*	
22 11 16 00-0645	EA	1" Cast Bronze Cross	178.34	69.04
		For Silver Solder Instead Of 95/5 Solder, Add	*19.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.54*	
		For Work In Restricted Working Space, Add	*31.08*	
22 11 16 00-0646	EA	1-1/4" Cast Bronze Cross	219.51	74.75
		For Silver Solder Instead Of 95/5 Solder, Add	*22.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.81*	
		For Work In Restricted Working Space, Add	*33.62*	
22 11 16 00-0647	EA	1-1/2" Cast Bronze Cross	275.77	81.73
		For Silver Solder Instead Of 95/5 Solder, Add	*26.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.40*	
		For Work In Restricted Working Space, Add	*36.80*	
22 11 16 00-0648	EA	2" Cast Bronze Cross	485.38	91.67
		For Silver Solder Instead Of 95/5 Solder, Add	*38.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.62*	
		For Work In Restricted Working Space, Add	*41.24*	
22 11 16 00-0649	EA	2-1/2" Cast Bronze Cross	819.08	101.50
		For Silver Solder Instead Of 95/5 Solder, Add	*56.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-48.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.84*	
		For Work In Restricted Working Space, Add	*45.68*	
22 11 16 00-0650		**Flexible Corrugated Copper Supply Line** *(22 11 16 00-0451)*		
22 11 16 00-0651	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	77.40	31.46
22 11 16 00-0652	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	81.05	31.46
22 11 16 00-0653	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	70.84	31.46
22 11 16 00-0654	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	74.97	31.46
22 11 16 00-0655	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	78.62	31.46
22 11 16 00-0656	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	81.05	31.46
22 11 16 00-0657		**Crimped Copper Fittings** *(22 11 16 00-0383)*		
		Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0658		**Crimped Copper 90 Degree Elbows** *(22 11 16 00-0657)*		
22 11 16 00-0659	EA	1/2" Crimped Copper 90 Degree Elbow	26.67	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0660	EA	3/4" Crimped Copper 90 Degree Elbow	33.74	15.73
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0661	EA	1" Crimped Copper 90 Degree Elbow	48.55	18.72
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0662	EA	1-1/4" Crimped Copper 90 Degree Elbow	72.24	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0663	EA	1-1/2" Crimped Copper 90 Degree Elbow	112.53	22.97
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0664	EA	2" Crimped Copper 90 Degree Elbow	149.86	27.56
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0665	EA	2-1/2" Crimped Copper 90 Degree Elbow	363.43	32.15
		For Work In Restricted Working Space, Add	*14.47*	
22 11 16 00-0666	EA	3" Crimped Copper 90 Degree Elbow	453.98	38.23
		For Work In Restricted Working Space, Add	*17.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0667	EA	4" Crimped Copper 90 Degree Elbow	566.42	50.52
		For Work In Restricted Working Space, Add	*22.73*	

22 11 16 00-0668 Crimped Copper 45 Degree Elbows *(22 11 16 00-0657)*

22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	27.67	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	32.14	15.73
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	55.77	18.72
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	70.64	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	98.72	22.97
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	131.24	27.56
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	256.44	32.15
		For Work In Restricted Working Space, Add	*14.47*	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	354.89	38.23
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	488.92	50.52
		For Work In Restricted Working Space, Add	*22.73*	

22 11 16 00-0678 Crimped Copper Straight Tees *(22 11 16 00-0657)*

22 11 16 00-0679	EA	1/2" Crimped Copper Straight Tee	40.20	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0680	EA	3/4" Crimped Copper Straight Tee	56.97	27.21
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0681	EA	1" Crimped Copper Straight Tee	74.58	30.20
		For Work In Restricted Working Space, Add	*13.61*	
22 11 16 00-0682	EA	1-1/4" Crimped Copper Straight Tee	95.95	31.00
		For Work In Restricted Working Space, Add	*13.95*	
22 11 16 00-0683	EA	1-1/2" Crimped Copper Straight Tee	148.91	35.25
		For Work In Restricted Working Space, Add	*15.84*	
22 11 16 00-0684	EA	2" Crimped Copper Straight Tee	180.72	41.34
		For Work In Restricted Working Space, Add	*18.60*	
22 11 16 00-0685	EA	2-1/2" Crimped Copper Straight Tee	461.78	48.22
		For Work In Restricted Working Space, Add	*21.70*	
22 11 16 00-0686	EA	3" Crimped Copper Straight Tee	572.90	57.41
		For Work In Restricted Working Space, Add	*25.83*	
22 11 16 00-0687	EA	4" Crimped Copper Straight Tee	796.72	75.78
		For Work In Restricted Working Space, Add	*34.10*	

22 11 16 00-0688 Crimped Copper Reducing Tees *(22 11 16 00-0657)*

22 11 16 00-0689	EA	3/4" Crimped Copper Reducing Tee	54.52	19.64
		For Work In Restricted Working Space, Add	*8.85*	
22 11 16 00-0690	EA	1" Crimped Copper Reducing Tee	83.15	25.84
		For Work In Restricted Working Space, Add	*11.61*	
22 11 16 00-0691	EA	1-1/4" Crimped Copper Reducing Tee	88.30	28.71
		For Work In Restricted Working Space, Add	*12.92*	
22 11 16 00-0692	EA	1-1/2" Crimped Copper Reducing Tee	129.50	29.50
		For Work In Restricted Working Space, Add	*13.26*	
22 11 16 00-0693	EA	2" Crimped Copper Reducing Tee	158.10	33.41
		For Work In Restricted Working Space, Add	*15.05*	
22 11 16 00-0694	EA	2-1/2" Crimped Copper Reducing Tee	514.89	37.89
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0695	EA	3" Crimped Copper Reducing Tee	628.94	45.93
		For Work In Restricted Working Space, Add	*20.67*	
22 11 16 00-0696	EA	4" Crimped Copper Reducing Tee	729.02	61.20
		For Work In Restricted Working Space, Add	*27.56*	

22 11 16 00-0697 Crimped Copper Couplings *(22 11 16 00-0657)*

22 11 16 00-0698	EA	1/2" Crimped Copper Coupling	26.07	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0699	EA	3/4" Crimped Copper Coupling	31.75	15.73
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0700	EA	1" Crimped Copper Coupling	44.73	18.72
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0701	EA	1-1/4" Crimped Copper Coupling	51.63	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0702	EA	1-1/2" Crimped Copper Coupling	72.89	22.97
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0703	EA	2" Crimped Copper Coupling	90.40	27.56
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0704	EA	2-1/2" Crimped Copper Coupling	205.21	32.15
		For Work In Restricted Working Space, Add	*14.47*	
22 11 16 00-0705	EA	3" Crimped Copper Coupling	257.34	38.23
		For Work In Restricted Working Space, Add	*17.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0706	EA	4" Crimped Copper Coupling	353.40	50.52
		For Work In Restricted Working Space, Add	*22.73*	
22 11 16 00-0707		**Crimped Copper Reducing Couplings** *(22 11 16 00-0657)*		
22 11 16 00-0708	EA	3/4" Crimped Copper Reducing Coupling	44.27	13.09
		For Work In Restricted Working Space, Add	*5.89*	
22 11 16 00-0709	EA	1" Crimped Copper Reducing Coupling	50.63	14.92
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0710	EA	1-1/4" Crimped Copper Reducing Coupling	67.80	17.79
		For Work In Restricted Working Space, Add	*8.03*	
22 11 16 00-0711	EA	1-1/2" Crimped Copper Reducing Coupling	89.96	19.64
		For Work In Restricted Working Space, Add	*8.85*	
22 11 16 00-0712	EA	2" Crimped Copper Reducing Coupling	100.80	21.82
		For Work In Restricted Working Space, Add	*9.82*	
22 11 16 00-0713	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	224.50	26.06
		For Work In Restricted Working Space, Add	*11.71*	
22 11 16 00-0714	EA	3" Crimped Copper FTG x C Reducing Coupling	282.48	30.66
		For Work In Restricted Working Space, Add	*13.78*	
22 11 16 00-0715	EA	4" Crimped Copper FTG x C Reducing Coupling	366.04	40.53
		For Work In Restricted Working Space, Add	*18.26*	
22 11 16 00-0716		**Crimped Copper Male Adapters** *(22 11 16 00-0657)*		
22 11 16 00-0717	EA	1/2" Crimped Copper Male Adapter	27.28	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0718	EA	3/4" Crimped Copper Male Adapter	35.54	15.73
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0719	EA	1" Crimped Copper Male Adapter	50.15	18.72
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0720	EA	1-1/4" Crimped Copper Male Adapter	79.24	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0721	EA	1-1/2" Crimped Copper Male Adapter	102.12	22.97
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0722	EA	2" Crimped Copper Male Adapter	171.67	27.56
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0723	EA	2-1/2" Crimped Copper Male Adapter	363.43	32.15
		For Work In Restricted Working Space, Add	*14.47*	
22 11 16 00-0724	EA	3" Crimped Copper Male Adapter	453.98	38.23
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0725	EA	4" Crimped Copper Male Adapter	534.82	50.52
		For Work In Restricted Working Space, Add	*22.73*	
22 11 16 00-0726		**Crimped Copper Female Adapters** *(22 11 16 00-0657)*		
22 11 16 00-0727	EA	1/2" Crimped Copper Female Adapter	28.66	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0728	EA	3/4" Crimped Copper Female Adapter	36.56	15.73
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0729	EA	1" Crimped Copper Female Adapter	52.16	18.72
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0730	EA	1-1/4" Crimped Copper Female Adapter	85.26	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0731	EA	1-1/2" Crimped Copper Female Adapter	113.34	22.97
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0732	EA	2" Crimped Copper Female Adapter	175.28	27.56
		For Work In Restricted Working Space, Add	*12.40*	
22 11 16 00-0733		**Crimped Copper Caps** *(22 11 16 00-0657)*		
22 11 16 00-0734	EA	1/2" Crimped Copper Cap	21.94	6.89
		For Work In Restricted Working Space, Add	*3.10*	
22 11 16 00-0735	EA	3/4" Crimped Copper Cap	31.66	8.04
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0736	EA	1" Crimped Copper Cap	44.01	9.18
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-0737	EA	1-1/4" Crimped Copper Cap	49.73	10.33
		For Work In Restricted Working Space, Add	*4.65*	
22 11 16 00-0738	EA	1-1/2" Crimped Copper Cap	70.85	11.82
		For Work In Restricted Working Space, Add	*5.34*	
22 11 16 00-0739	EA	2" Crimped Copper Cap	85.12	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0740	EA	2-1/2" Crimped Copper Cap	230.22	16.07
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0741	EA	3" Crimped Copper Cap	289.56	19.17
		For Work In Restricted Working Space, Add	*8.61*	
22 11 16 00-0742	EA	4" Crimped Copper Cap	385.48	25.26
		For Work In Restricted Working Space, Add	*11.37*	
22 11 16 00-0743		**C x F NPT Crimped Bronze Unions** *(22 11 16 00-0657)*		
22 11 16 00-0744	EA	1/2" C x F NPT Crimped Bronze Union	62.18	18.72
		For Work In Restricted Working Space, Add	*8.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0745	EA	3/4" C x F NPT Crimped Bronze Union	78.20	23.08
		For Work In Restricted Working Space, Add	*10.37*	
22 11 16 00-0746	EA	1" C x F NPT Crimped Bronze Union	113.94	27.67
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0747	EA	1-1/4" C x F NPT Crimped Bronze Union	139.69	31.92
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0748	EA	1-1/2" C x F NPT Crimped Bronze Union	191.00	31.24
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-0749	EA	2" C x F NPT Crimped Bronze Union	258.74	45.24
		For Work In Restricted Working Space, Add	*20.33*	

22 11 16 00-0750 C x C Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0751	EA	1/2" C x C Bronze Crimped Union	63.10	13.78
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0752	EA	3/4" C x C Bronze Crimped Union	79.19	15.73
		For Work In Restricted Working Space, Add	*7.06*	
22 11 16 00-0753	EA	1" C x C Bronze Crimped Union	117.01	18.72
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0754	EA	1-1/4" C x C Bronze Crimped Union	157.93	20.66
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-0755	EA	1-1/2" C x C Bronze Crimped Union	206.82	22.97
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-0756	EA	2" C x C Bronze Crimped Union	322.83	27.56
		For Work In Restricted Working Space, Add	*12.40*	

22 11 16 00-0757 C x Flange Crimped Bronze Flange *(22 11 16 00-0657)*

22 11 16 00-0758	EA	2-1/2" C x Flange Crimped Bronze Flange	650.94	32.15
		For Work In Restricted Working Space, Add	*14.47*	
22 11 16 00-0759	EA	3" C x Flange Crimped Bronze Flange	706.14	38.23
		For Work In Restricted Working Space, Add	*17.22*	
22 11 16 00-0760	EA	4" C x Flange Crimped Bronze Flange	802.01	50.52
		For Work In Restricted Working Space, Add	*22.73*	

22 11 16 00-0761 Field Installed FKM Seals *(22 11 16 00-0657)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0762	EA	1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	8.57	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0763	EA	3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	11.23	
		For Work In Restricted Working Space, Add	*1.81*	
22 11 16 00-0764	EA	1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.90	
		For Work In Restricted Working Space, Add	*2.07*	
22 11 16 00-0765	EA	1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	14.97	
		For Work In Restricted Working Space, Add	*2.33*	
22 11 16 00-0766	EA	1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	22.52	
		For Work In Restricted Working Space, Add	*2.67*	
22 11 16 00-0767	EA	2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	24.74	
		For Work In Restricted Working Space, Add	*3.10*	
22 11 16 00-0768	EA	2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	39.48	
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0769	EA	3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	44.97	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0770	EA	4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	61.77	
		For Work In Restricted Working Space, Add	*5.68*	

22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0383)*

22 11 16 00-0772	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	11.48	
22 11 16 00-0773	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	12.41	
22 11 16 00-0774	EA	1", Cut And Prepare Existing In Place Copper Pipe	13.95	
22 11 16 00-0775	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	14.64	
22 11 16 00-0776	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	15.50	
22 11 16 00-0777	EA	2", Cut And Prepare Existing In Place Copper Pipe	17.06	
22 11 16 00-0778	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	18.38	
22 11 16 00-0779	EA	3", Cut And Prepare Existing In Place Copper Pipe	21.70	
22 11 16 00-0780	EA	4", Cut And Prepare Existing In Place Copper Pipe	29.28	
22 11 16 00-0781	EA	6", Cut And Prepare Existing In Place Copper Pipe	41.84	
22 11 16 00-0782	EA	8", Cut And Prepare Existing In Place Copper Pipe	55.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0783		**Sweat Brass Companion Flanges** *(22 11 16 00-0383)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0784	EA	1" Sweat Brass Companion Flange	78.49	17.66
22 11 16 00-0785	EA	1-1/4" Sweat Brass Companion Flange	85.60	19.45
22 11 16 00-0786	EA	1-1/2" Sweat Brass Companion Flange	125.95	21.15
22 11 16 00-0787	EA	2" Sweat Brass Companion Flange	171.16	23.47
22 11 16 00-0788	EA	2-1/2" Sweat Brass Companion Flange	252.65	28.23
22 11 16 00-0789	EA	3" Sweat Brass Companion Flange	273.21	37.00
22 11 16 00-0790	EA	4" Sweat Brass Companion Flange	369.87	44.10
22 11 16 00-0791	EA	5" Sweat Brass Companion Flange	696.21	53.62
22 11 16 00-0792	EA	6" Sweat Brass Companion Flange	781.20	77.92
22 11 16 00-0793	EA	8" Copper Companion Flange	1,896.49	111.14
22 11 16 00-0794		**Brass Compression Fittings** *(22 11 16 00-0383)*		
22 11 16 00-0795		**Brass Compression Unions** *(22 11 16 00-0794)*		
22 11 16 00-0796	EA	1/4" Brass Compression Union	19.69	12.40
22 11 16 00-0797	EA	3/8" Brass Compression Union	19.99	12.40
22 11 16 00-0798	EA	1/2" Brass Compression Union	20.90	12.40
22 11 16 00-0799	EA	5/8" Brass Compression Union	21.33	12.40
22 11 16 00-0800	EA	3/4" Brass Compression Union	29.94	12.40
22 11 16 00-0801	EA	3/8" x 1/4" Brass Compression Union	20.20	12.40
22 11 16 00-0802	EA	1/2" x 3/8" Brass Compression Union	20.97	12.40
22 11 16 00-0803	EA	5/8" x 3/8" Brass Compression Union	21.51	12.40
22 11 16 00-0804	EA	5/8" x 1/2" Brass Compression Union	22.37	12.40
22 11 16 00-0805		**Brass Compression Union Elbows** *(22 11 16 00-0794)*		
22 11 16 00-0806	EA	1/4" Brass Compression Union Elbow	20.90	12.40
22 11 16 00-0807	EA	3/8" Brass Compression Union Elbow	21.39	12.40
22 11 16 00-0808	EA	1/2" Brass Compression Union Elbow	22.47	12.40
22 11 16 00-0809	EA	5/8" Brass Compression Union Elbow	24.14	12.40
22 11 16 00-0810	EA	3/4" Brass Compression Union Elbow	30.67	12.40
22 11 16 00-0811	EA	3/8" x 1/4" Brass Compression Union Elbow	21.39	12.40
22 11 16 00-0812	EA	1/2" x 3/8" Brass Compression Union Elbow	22.47	12.40
22 11 16 00-0813	EA	5/8" x 3/8" Brass Compression Union Elbow	22.77	12.40
22 11 16 00-0814	EA	5/8" x 1/2" Brass Compression Union Elbow	27.67	12.40
22 11 16 00-0815		**Brass Compression Union Tees** *(22 11 16 00-0794)*		
22 11 16 00-0816	EA	1/4" Brass Compression Union Tee	21.27	12.40
22 11 16 00-0817	EA	3/8" Brass Compression Union Tee	22.29	12.40
22 11 16 00-0818	EA	1/2" Brass Compression Union Tee	23.37	12.40
22 11 16 00-0819	EA	5/8" Brass Compression Union Tee	26.78	12.40
22 11 16 00-0820	EA	3/4" Brass Compression Union Tee	38.56	12.40
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	23.01	12.40
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	28.54	12.40
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	28.01	12.40
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	28.63	12.40
22 11 16 00-0825		**Brass Compression Male Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0826	EA	1/4" Brass Compression Male Connector	19.48	12.40
22 11 16 00-0827	EA	3/8" Brass Compression Male Connector	19.87	12.40
22 11 16 00-0828	EA	1/2" Brass Compression Male Connector	20.55	12.40
22 11 16 00-0829	EA	5/8" Brass Compression Male Connector	21.57	12.40
22 11 16 00-0830	EA	3/4" Brass Compression Male Connector	26.53	12.28
22 11 16 00-0831		**Brass Compression Female Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0832	EA	1/4" Brass Compression Female Connector	19.91	12.40
22 11 16 00-0833	EA	3/8" Brass Compression Female Connector	20.42	12.40
22 11 16 00-0834	EA	1/2" Brass Compression Female Connector	21.29	12.40
22 11 16 00-0835	EA	5/8" Brass Compression Female Connector	21.88	12.40
22 11 16 00-0836	EA	3/4" Brass Compression Female Connector	34.51	12.17
22 11 16 00-0837		**Dielectric Fittings** *(22 11 16 00-0383)*		
22 11 16 00-0838		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0839	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	48.98	27.56
22 11 16 00-0840	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	54.71	31.46
22 11 16 00-0841	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	65.11	34.58
22 11 16 00-0842	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	78.89	38.06
22 11 16 00-0843	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	95.40	42.29
22 11 16 00-0844	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	121.17	50.75
22 11 16 00-0845		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0846	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	53.81	27.56
22 11 16 00-0847	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	62.67	31.46
22 11 16 00-0848	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	75.60	34.58
22 11 16 00-0849	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	92.80	38.06
22 11 16 00-0850	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	112.61	42.29
22 11 16 00-0851	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	141.35	50.75
22 11 16 00-0852		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0853	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	50.75	27.56
22 11 16 00-0854	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	57.62	31.46
22 11 16 00-0855	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	65.88	34.58
22 11 16 00-0856	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	76.20	38.06
22 11 16 00-0857	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	92.73	42.29
22 11 16 00-0858	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	119.03	50.75
22 11 16 00-0859		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0860	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	294.97	130.47
22 11 16 00-0861	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	369.28	164.31
22 11 16 00-0862	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	520.66	223.62
22 11 16 00-0863		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0864	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	296.97	130.47
22 11 16 00-0865	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	385.12	164.31
22 11 16 00-0866	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	703.31	223.62
22 11 16 00-0867		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0868	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	25.38	11.48
22 11 16 00-0869	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	31.80	12.25
22 11 16 00-0870	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	32.80	13.78
22 11 16 00-0871	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	37.92	14.70
22 11 16 00-0872	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	38.56	15.70
22 11 16 00-0873	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	54.66	18.75
22 11 16 00-0874	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	32.29	13.01
22 11 16 00-0875	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	37.52	14.24
22 11 16 00-0876	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	56.46	17.22
22 11 16 00-0877	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	26.57	11.48
22 11 16 00-0878	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	36.83	12.25
22 11 16 00-0879	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	33.44	13.78
22 11 16 00-0880	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	40.84	14.70
22 11 16 00-0881	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	37.72	15.70
22 11 16 00-0882	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	55.31	18.75
22 11 16 00-0883	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	31.76	13.01
22 11 16 00-0884	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	35.43	14.24
22 11 16 00-0885	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	70.85	17.22
22 11 16 00-0886	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	40.34	17.22
22 11 16 00-0887	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	51.58	18.37
22 11 16 00-0888	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	46.68	20.66
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	60.03	22.04
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	54.53	23.54
22 11 16 00-0891	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	75.13	28.13
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	52.91	19.51
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	53.17	19.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	52.67	22.59
22 11 16 00-0895	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	72.99	26.60
22 11 16 00-0896	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	30.37	12.63
22 11 16 00-0897	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	29.93	13.01
22 11 16 00-0898	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	29.45	13.78
22 11 16 00-0899	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.75	15.70
22 11 16 00-0900	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	47.90	18.75
22 11 16 00-0901	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	26.33	12.63
22 11 16 00-0902	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.93	13.01
22 11 16 00-0903	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.53	13.78
22 11 16 00-0904	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.38	15.70
22 11 16 00-0905	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	36.54	15.19
22 11 16 00-0906	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	43.99	17.22
22 11 16 00-0907	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	48.65	18.75
22 11 16 00-0908	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	43.41	13.78
22 11 16 00-0909	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	50.83	15.70
22 11 16 00-0910	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	67.43	18.75
22 11 16 00-0911	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	46.66	13.78
22 11 16 00-0912	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	56.30	15.70
22 11 16 00-0913	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	95.92	18.75

22 11 16 00-0914 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	24.00	3.21
		For Type K Tubing Instead Of Type L, Add	*1.77*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.44*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.00*	
		For For Brazed Fittings, Add	*0.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.10*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	27.61	4.13
		For Type K Tubing Instead Of Type L, Add	*2.08*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.42*	
		For For Brazed Fittings, Add	*0.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.40*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0917	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	30.60	4.93
		For Type K Tubing Instead Of Type L, Add	*2.47*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.97*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.66*	
		For For Brazed Fittings, Add	*0.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.60*	
		For Work In Restricted Working Space, Add	*6.40*	
22 11 16 00-0918	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	35.04	5.74
		For Type K Tubing Instead Of Type L, Add	*3.13*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.97*	
		For For Brazed Fittings, Add	*0.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.86*	
		For Work In Restricted Working Space, Add	*6.65*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0919	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	39.11	6.55
		For Type K Tubing Instead Of Type L, Add	*3.64*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.32*	
		For For Brazed Fittings, Add	*0.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.14*	
		For Work In Restricted Working Space, Add	*7.09*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.55*	
22 11 16 00-0920	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	49.69	8.16
		For Type K Tubing Instead Of Type L, Add	*5.01*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.20*	
		For For Brazed Fittings, Add	*1.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.84*	
		For Work In Restricted Working Space, Add	*8.16*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.25*	
22 11 16 00-0921	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	63.42	9.83
		For Type K Tubing Instead Of Type L, Add	*7.14*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.09*	
		For For Brazed Fittings, Add	*1.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.63*	
		For Work In Restricted Working Space, Add	*8.75*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.42*	
22 11 16 00-0922	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	78.80	11.41
		For Type K Tubing Instead Of Type L, Add	*9.50*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.93*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.10*	
		For For Brazed Fittings, Add	*1.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.52*	
		For Work In Restricted Working Space, Add	*9.48*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.72*	
22 11 16 00-0923	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	126.14	15.12
		For Type K Tubing Instead Of Type L, Add	*16.51*	
		For Type M Tubing Instead Of Type L, Deduct	*-11.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.39*	
		For For Brazed Fittings, Add	*1.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.35*	
		For Work In Restricted Working Space, Add	*12.26*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-8.53*	
22 11 16 00-0924	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	241.95	18.82
		For Type K Tubing Instead Of Type L, Add	*35.15*	
		For Type M Tubing Instead Of Type L, Deduct	*-24.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.34*	
		For For Brazed Fittings, Add	*2.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.72*	
		For Work In Restricted Working Space, Add	*15.73*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-18.95*	
22 11 16 00-0925	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	317.58	22.73
		For Type K Tubing Instead Of Type L, Add	*46.43*	
		For Type M Tubing Instead Of Type L, Deduct	*-32.78*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.54*	
		For For Brazed Fittings, Add	*2.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.21*	
		For Work In Restricted Working Space, Add	*19.98*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-25.10*	
22 11 16 00-0926	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	764.17	27.17
		For Type K Tubing Instead Of Type L, Add	*122.15*	
		For Type M Tubing Instead Of Type L, Deduct	*-85.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*46.49*	
		For For Brazed Fittings, Add	*3.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.35*	
		For Work In Restricted Working Space, Add	*24.83*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-68.14*	

22 11 16 00-0927 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*
Note: Socket weld.

22 11 16 00-0928 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0927)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 16 00-0929 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0928)*

22 11 16 00-0930	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.07	1.69
		For Work In Restricted Working Space, Add	*1.27*	
22 11 16 00-0931	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.32	1.77
		For Work In Restricted Working Space, Add	*1.33*	
22 11 16 00-0932	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.48	1.91
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0933	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	13.09	2.09
		For Work In Restricted Working Space, Add	*1.57*	
22 11 16 00-0934	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	15.30	2.31
		For Work In Restricted Working Space, Add	*1.73*	
22 11 16 00-0935	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.64	2.58
		For Work In Restricted Working Space, Add	*1.93*	
22 11 16 00-0936	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	27.51	2.93
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0937	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	35.63	3.47
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-0938	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	50.21	4.26
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0939	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	90.06	5.41
		For Work In Restricted Working Space, Add	*4.06*	
22 11 16 00-0940	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	130.63	7.10
		For Work In Restricted Working Space, Add	*5.33*	

22 11 16 00-0941 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0928)*

22 11 16 00-0942	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	24.53	8.04
		For Work In Restricted Working Space, Add	*6.03*	
22 11 16 00-0943	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	32.28	10.15
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0944	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	42.73	12.68
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0945	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	60.76	15.86
		For Work In Restricted Working Space, Add	*11.93*	
22 11 16 00-0946	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	67.70	17.55
		For Work In Restricted Working Space, Add	*13.19*	
22 11 16 00-0947	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	81.03	17.55
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0948	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	139.11	22.30
		For Work In Restricted Working Space, Add	*16.75*	
22 11 16 00-0949	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	156.48	26.44
		For Work In Restricted Working Space, Add	*19.79*	
22 11 16 00-0950	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	232.12	32.46
		For Work In Restricted Working Space, Add	*24.36*	
22 11 16 00-0951	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	292.37	41.23
		For Work In Restricted Working Space, Add	*30.96*	
22 11 16 00-0952	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	598.33	54.14
		For Work In Restricted Working Space, Add	*40.60*	

22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0928)*

22 11 16 00-0954	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	26.74	8.04
		For Work In Restricted Working Space, Add	*6.03*	
22 11 16 00-0955	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	34.93	10.15
		For Work In Restricted Working Space, Add	*7.61*	
22 11 16 00-0956	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	47.04	12.68
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0957	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	66.43	15.86
		For Work In Restricted Working Space, Add	*11.93*	
22 11 16 00-0958	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	74.60	17.55
		For Work In Restricted Working Space, Add	*13.19*	
22 11 16 00-0959	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	83.38	19.67
		For Work In Restricted Working Space, Add	*14.72*	
22 11 16 00-0960	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	140.59	22.30
		For Work In Restricted Working Space, Add	*16.75*	
22 11 16 00-0961	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	156.29	26.44
		For Work In Restricted Working Space, Add	*19.79*	
22 11 16 00-0962	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	205.08	32.46
		For Work In Restricted Working Space, Add	*24.36*	
22 11 16 00-0963	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	343.06	41.23
		For Work In Restricted Working Space, Add	*30.96*	
22 11 16 00-0964	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	634.25	54.14
		For Work In Restricted Working Space, Add	*40.60*	

22 11 16 00-0965 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0928)*

22 11 16 00-0966	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	38.20	12.05
		For Work In Restricted Working Space, Add	*9.04*	
22 11 16 00-0967	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	50.94	15.22
		For Work In Restricted Working Space, Add	*11.42*	
22 11 16 00-0968	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	63.62	19.14
		For Work In Restricted Working Space, Add	*14.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0969	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	93.02	23.90
		For Work In Restricted Working Space, Add	*17.89*	
22 11 16 00-0970	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	104.24	26.44
		For Work In Restricted Working Space, Add	*19.79*	
22 11 16 00-0971	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	130.65	29.40
		For Work In Restricted Working Space, Add	*22.08*	
22 11 16 00-0972	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	177.48	33.52
		For Work In Restricted Working Space, Add	*25.12*	
22 11 16 00-0973	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	200.97	39.54
		For Work In Restricted Working Space, Add	*29.69*	
22 11 16 00-0974	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	242.30	48.74
		For Work In Restricted Working Space, Add	*36.54*	
22 11 16 00-0975	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	390.23	61.96
		For Work In Restricted Working Space, Add	*46.44*	
22 11 16 00-0976	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	877.04	81.20
		For Work In Restricted Working Space, Add	*60.90*	
22 11 16 00-0977		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses** *(22 11 16 00-0928)*		
22 11 16 00-0978	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	47.13	16.07
		For Work In Restricted Working Space, Add	*12.05*	
22 11 16 00-0979	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	61.84	20.30
		For Work In Restricted Working Space, Add	*15.23*	
22 11 16 00-0980	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	77.29	25.48
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0981	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	108.27	31.82
		For Work In Restricted Working Space, Add	*23.85*	
22 11 16 00-0982	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	120.92	35.21
		For Work In Restricted Working Space, Add	*26.39*	
22 11 16 00-0983	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	147.27	39.23
		For Work In Restricted Working Space, Add	*29.44*	
22 11 16 00-0984	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	192.39	44.62
		For Work In Restricted Working Space, Add	*33.50*	
22 11 16 00-0985	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	219.80	52.76
		For Work In Restricted Working Space, Add	*39.59*	
22 11 16 00-0986	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	266.19	64.92
		For Work In Restricted Working Space, Add	*48.72*	
22 11 16 00-0987	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	409.18	82.58
		For Work In Restricted Working Space, Add	*61.92*	
22 11 16 00-0988	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	851.24	108.27
		For Work In Restricted Working Space, Add	*81.20*	
22 11 16 00-0989		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts** *(22 11 16 00-0928)*		
22 11 16 00-0990	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	21.26	7.40
		For Work In Restricted Working Space, Add	*5.58*	
22 11 16 00-0991	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	30.22	10.04
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-0992	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	56.43	13.11
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-0993	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	64.18	14.49
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0994	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	77.15	16.18
		For Work In Restricted Working Space, Add	*12.15*	
22 11 16 00-0995	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	82.75	18.40
		For Work In Restricted Working Space, Add	*13.83*	
22 11 16 00-0996	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	101.39	21.78
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-0997	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	142.25	26.75
		For Work In Restricted Working Space, Add	*20.11*	
22 11 16 00-0998	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	245.35	34.04
		For Work In Restricted Working Space, Add	*25.54*	
22 11 16 00-0999	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	593.73	44.62
		For Work In Restricted Working Space, Add	*33.50*	
22 11 16 00-1000		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts** *(22 11 16 00-0928)*		
22 11 16 00-1001	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	30.59	5.29
		For Work In Restricted Working Space, Add	*3.97*	
22 11 16 00-1002	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	37.34	7.40
		For Work In Restricted Working Space, Add	*5.58*	
22 11 16 00-1003	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	45.13	10.04
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-1004	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	55.14	13.11
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-1005	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	66.09	14.49
		For Work In Restricted Working Space, Add	*10.88*	

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22 11 16 00-1006	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	86.64	16.18
		For Work In Restricted Working Space, Add	*12.15*	
22 11 16 00-1007	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	144.73	18.40
		For Work In Restricted Working Space, Add	*13.83*	
22 11 16 00-1008	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	312.06	21.78
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-1009	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	473.04	26.75
		For Work In Restricted Working Space, Add	*20.11*	

22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0928)*

22 11 16 00-1011	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	19.87	5.29
		For Work In Restricted Working Space, Add	*3.97*	
22 11 16 00-1012	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	27.60	7.40
		For Work In Restricted Working Space, Add	*5.58*	
22 11 16 00-1013	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	40.20	10.04
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-1014	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	55.14	13.11
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-1015	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	66.52	14.49
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-1016	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	81.40	16.18
		For Work In Restricted Working Space, Add	*12.15*	
22 11 16 00-1017	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	123.54	18.40
		For Work In Restricted Working Space, Add	*13.83*	
22 11 16 00-1018	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	148.08	21.78
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-1019	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	225.34	26.75
		For Work In Restricted Working Space, Add	*20.11*	

22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0928)*

22 11 16 00-1021	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	22.40	5.29
		For Work In Restricted Working Space, Add	*3.97*	
22 11 16 00-1022	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	28.41	7.40
		For Work In Restricted Working Space, Add	*5.58*	
22 11 16 00-1023	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	40.41	10.04
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-1024	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	55.88	13.11
		For Work In Restricted Working Space, Add	*9.83*	
22 11 16 00-1025	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	63.13	14.49
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-1026	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	78.63	16.18
		For Work In Restricted Working Space, Add	*12.15*	
22 11 16 00-1027	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	125.14	18.40
		For Work In Restricted Working Space, Add	*13.83*	
22 11 16 00-1028	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	176.05	21.78
		For Work In Restricted Working Space, Add	*16.34*	
22 11 16 00-1029	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	272.90	26.75
		For Work In Restricted Working Space, Add	*20.11*	

22 11 16 00-1030 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0928)*

22 11 16 00-1031	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	17.72	4.87
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-1032	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	24.92	6.77
		For Work In Restricted Working Space, Add	*5.07*	
22 11 16 00-1033	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	33.51	9.10
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-1034	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	45.90	11.95
		For Work In Restricted Working Space, Add	*8.95*	
22 11 16 00-1035	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	53.26	13.22
		For Work In Restricted Working Space, Add	*9.90*	
22 11 16 00-1036	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	60.32	14.70
		For Work In Restricted Working Space, Add	*11.04*	
22 11 16 00-1037	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	98.30	16.70
		For Work In Restricted Working Space, Add	*12.56*	
22 11 16 00-1038	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	106.47	19.78
		For Work In Restricted Working Space, Add	*14.85*	
22 11 16 00-1039	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	135.56	24.32
		For Work In Restricted Working Space, Add	*18.27*	
22 11 16 00-1040	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	224.69	30.98
		For Work In Restricted Working Space, Add	*23.22*	
22 11 16 00-1041	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	399.96	40.60
		For Work In Restricted Working Space, Add	*30.45*	

22 11 16 00-1042 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0928)*

22 11 16 00-1043	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	38.64	5.81
		For Work In Restricted Working Space, Add	*4.35*	

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22 11 16 00-1044	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	45.62	8.14
		For Work In Restricted Working Space, Add	*6.09*	
22 11 16 00-1045	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	53.40	10.89
		For Work In Restricted Working Space, Add	*8.18*	
22 11 16 00-1046	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	97.15	14.28
		For Work In Restricted Working Space, Add	*10.72*	
22 11 16 00-1047	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	102.07	15.86
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-1048	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	147.94	17.66
		For Work In Restricted Working Space, Add	*13.26*	
22 11 16 00-1049	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	265.33	20.09
		For Work In Restricted Working Space, Add	*15.07*	
22 11 16 00-1050	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	384.49	23.79
		For Work In Restricted Working Space, Add	*17.83*	
22 11 16 00-1051	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	625.68	29.19
		For Work In Restricted Working Space, Add	*21.92*	
22 11 16 00-1052	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	839.19	37.11
		For Work In Restricted Working Space, Add	*27.85*	
22 11 16 00-1053	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	1,033.50	48.74
		For Work In Restricted Working Space, Add	*36.54*	
22 11 16 00-1054		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0928)*		
22 11 16 00-1055	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	16.48	4.97
		For Work In Restricted Working Space, Add	*2.26*	
22 11 16 00-1056	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	22.21	6.24
		For Work In Restricted Working Space, Add	*2.86*	
22 11 16 00-1057	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	34.36	7.83
		For Work In Restricted Working Space, Add	*3.58*	
22 11 16 00-1058	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	39.49	5.92
		For Work In Restricted Working Space, Add	*4.47*	
22 11 16 00-1059	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	41.56	6.56
		For Work In Restricted Working Space, Add	*4.95*	
22 11 16 00-1060	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	58.77	7.40
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-1061	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	93.62	8.35
		For Work In Restricted Working Space, Add	*6.28*	
22 11 16 00-1062	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	99.09	9.94
		For Work In Restricted Working Space, Add	*7.42*	
22 11 16 00-1063	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	155.87	12.16
		For Work In Restricted Working Space, Add	*9.14*	
22 11 16 00-1064	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	350.77	15.43
		For Work In Restricted Working Space, Add	*11.61*	
22 11 16 00-1065	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	451.46	20.30
		For Work In Restricted Working Space, Add	*15.23*	
22 11 16 00-1066		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges *(22 11 16 00-0926)*		
22 11 16 00-1067	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	31.18	3.81
		For Work In Restricted Working Space, Add	*2.89*	
22 11 16 00-1068	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	36.63	5.39
		For Work In Restricted Working Space, Add	*4.06*	
22 11 16 00-1069	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	43.93	7.29
		For Work In Restricted Working Space, Add	*5.45*	
22 11 16 00-1070	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	50.39	9.52
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-1071	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	53.54	10.58
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-1072	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	65.44	11.74
		For Work In Restricted Working Space, Add	*8.82*	
22 11 16 00-1073	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	89.77	13.43
		For Work In Restricted Working Space, Add	*10.06*	
22 11 16 00-1074	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	100.89	15.86
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-1075	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	126.48	19.45
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-1076	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	184.17	24.74
		For Work In Restricted Working Space, Add	*18.59*	
22 11 16 00-1077	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	356.92	32.46
		For Work In Restricted Working Space, Add	*24.36*	
22 11 16 00-1078		Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*		
22 11 16 00-1079		Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1080	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.44	1.80
22 11 16 00-1081	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.52	1.88
22 11 16 00-1082	LF	1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	9.07	2.25
22 11 16 00-1083	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	11.71	2.41
22 11 16 00-1084	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	16.68	2.71
22 11 16 00-1085	LF	2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	22.71	2.76

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-1086	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	32.52	3.75
	22 11 16 00-1087	LF	3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	43.59	4.34
	22 11 16 00-1088	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	59.37	4.85
	22 11 16 00-1089	LF	4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	70.47	5.36
22 11 16 00-1090			Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1078)*		
			Note: Aquatherm greenpipe®		
	22 11 16 00-1091	LF	1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	4.86	1.80
	22 11 16 00-1092	LF	3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.57	1.88
	22 11 16 00-1093	LF	1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	7.36	2.25
	22 11 16 00-1094	LF	1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	9.21	2.41
	22 11 16 00-1095	LF	1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	12.31	2.71
	22 11 16 00-1096	LF	2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	16.50	2.76
	22 11 16 00-1097	LF	2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	22.96	3.75
	22 11 16 00-1098	LF	3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	30.98	4.34
	22 11 16 00-1099	LF	3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	43.54	4.85
	22 11 16 00-1100	LF	4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	51.71	5.36
22 11 16 00-1101			Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1078)*		
			Note: Aquatherm greenpipe®.		
	22 11 16 00-1102	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.74	1.80
	22 11 16 00-1103	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.93	1.88
	22 11 16 00-1104	LF	1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	9.53	2.25
	22 11 16 00-1105	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	12.30	2.41
	22 11 16 00-1106	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	18.38	2.71
	22 11 16 00-1107	LF	2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	23.63	2.76
	22 11 16 00-1108	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	33.83	3.75
	22 11 16 00-1109	LF	3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	46.88	4.34
	22 11 16 00-1110	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	59.20	4.85
	22 11 16 00-1111	LF	4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	69.95	5.36
22 11 16 00-1112			Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe *(22 11 16 00-1078)*		
			Note: Aquatherm climatherm®.		
	22 11 16 00-1113	LF	1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	4.83	1.80
	22 11 16 00-1114	LF	3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.68	1.88
	22 11 16 00-1115	LF	1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.73	2.25
	22 11 16 00-1116	LF	1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	8.30	2.41
	22 11 16 00-1117	LF	1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.68	2.72
	22 11 16 00-1118	LF	2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	14.04	2.77
	22 11 16 00-1119	LF	2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	19.60	3.75
	22 11 16 00-1120	LF	3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	26.29	4.34
	22 11 16 00-1121	LF	3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	35.82	4.85
	22 11 16 00-1122	LF	4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	43.49	5.36
	22 11 16 00-1123	LF	6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	51.95	6.87
	22 11 16 00-1124	LF	8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	84.64	9.01
22 11 16 00-1125			Pipe Clamp For Polypropylene Random (PP-R) Pipe *(22 11 16 00-1078)*		
	22 11 16 00-1126	EA	1/2" Pipe Clamp For Polypropylene Pipe	13.81	4.45
	22 11 16 00-1127	EA	3/4" Pipe Clamp For Polypropylene Pipe	14.56	4.45
	22 11 16 00-1128	EA	1" Pipe Clamp For Polypropylene Pipe	15.06	4.45
	22 11 16 00-1129	EA	1-1/4" Pipe Clamp For Polypropylene Pipe	15.23	4.45
	22 11 16 00-1130	EA	1-1/2" Pipe Clamp For Polypropylene Pipe	15.81	4.45
	22 11 16 00-1131	EA	2" Pipe Clamp For Polypropylene Pipe	17.47	4.45
	22 11 16 00-1132	EA	2-1/2" Pipe Clamp For Polypropylene Pipe	19.89	4.45
	22 11 16 00-1133	EA	3" Pipe Clamp For Polypropylene Pipe	20.72	4.45
	22 11 16 00-1134	EA	3-1/2" Pipe Clamp For Polypropylene Pipe	21.89	4.45
	22 11 16 00-1135	EA	4" Pipe Clamp For Polypropylene Pipe	23.47	4.45
22 11 16 00-1136			Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap *(22 11 16 00-1078)*		
	22 11 16 00-1137	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.43	
	22 11 16 00-1138	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.64	
	22 11 16 00-1139	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.73	
	22 11 16 00-1140	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	4.81	
22 11 16 00-1141			Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp *(22 11 16 00-1078)*		
	22 11 16 00-1142	EA	1/2" Polypropylene Pipe Plastic Pipe Clamp	10.14	2.32
	22 11 16 00-1143	EA	3/4" Polypropylene Pipe Plastic Pipe Clamp	10.65	2.32
22 11 16 00-1144			Polypropylene Random (PP-R), Heat Fusion, Socket Coupling *(22 11 16 00-1078)*		
	22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	9.29	3.60
	22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	9.87	3.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling	12.12	4.51
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	13.38	4.82
22 11 16 00-1149	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	18.65	5.42
22 11 16 00-1150	EA	2" Polypropylene, Heat Fusion, Socket Coupling	26.69	5.53
22 11 16 00-1151	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	32.51	7.51
22 11 16 00-1152	EA	3" Polypropylene, Heat Fusion, Socket Coupling	55.85	8.69
22 11 16 00-1153	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	81.99	9.71
22 11 16 00-1154	EA	4" Polypropylene, Heat Fusion, Socket Coupling	103.57	10.73
22 11 16 00-1155		**Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1078)*		
22 11 16 00-1156	EA	1" Polypropylene, Heat Fusion, Bushing	10.33	3.60
22 11 16 00-1157	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	12.35	3.75
22 11 16 00-1158	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	17.02	4.51
22 11 16 00-1159	EA	2" Polypropylene, Heat Fusion, Bushing	25.68	4.82
22 11 16 00-1160	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	28.76	5.42
22 11 16 00-1161	EA	3" Polypropylene, Heat Fusion, Bushing	50.98	5.53
22 11 16 00-1162	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	78.84	7.51
22 11 16 00-1163	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	95.26	8.69
22 11 16 00-1164	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	116.28	9.71
22 11 16 00-1165	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	121.21	10.73
22 11 16 00-1166		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1078)*		
22 11 16 00-1167	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	14.99	3.75
22 11 16 00-1168	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	20.30	4.51
22 11 16 00-1169	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	32.18	4.82
22 11 16 00-1170	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	35.58	5.42
22 11 16 00-1171	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	44.40	5.53
22 11 16 00-1172	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	72.87	7.51
22 11 16 00-1173	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	95.26	9.11
22 11 16 00-1174	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	106.22	10.73
22 11 16 00-1175		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1176	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	16.64	7.18
22 11 16 00-1177	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	18.03	7.56
22 11 16 00-1178	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	22.21	9.01
22 11 16 00-1179	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	25.87	9.71
22 11 16 00-1180	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	35.46	10.78
22 11 16 00-1181	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	43.35	10.99
22 11 16 00-1182	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	77.50	15.07
22 11 16 00-1183	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	113.48	17.37
22 11 16 00-1184	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	150.64	19.41
22 11 16 00-1185	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	215.14	21.45
22 11 16 00-1186		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	16.64	7.18
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	18.03	7.56
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	22.21	9.01
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	25.87	9.71
22 11 16 00-1191		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1192	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	16.64	7.18
22 11 16 00-1193	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	18.03	7.56
22 11 16 00-1194	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow	22.21	9.01
22 11 16 00-1195	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	25.87	9.71
22 11 16 00-1196	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	35.46	10.78
22 11 16 00-1197	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow	43.09	10.99
22 11 16 00-1198	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	76.93	15.07
22 11 16 00-1199	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow	121.14	17.37
22 11 16 00-1200	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	161.84	19.41
22 11 16 00-1201	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow	232.32	21.45
22 11 16 00-1202		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1203	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	16.61	7.18
22 11 16 00-1204	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	18.03	7.56
22 11 16 00-1205	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	22.21	9.01
22 11 16 00-1206	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	25.87	9.71
22 11 16 00-1207		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1078)*		
22 11 16 00-1208	EA	1/2" Polypropylene, Heat Fusion, Tee	24.61	10.78
22 11 16 00-1209	EA	3/4" Polypropylene, Heat Fusion, Tee	26.82	11.31
22 11 16 00-1210	EA	1" Polypropylene, Heat Fusion, Tee	32.25	13.46
22 11 16 00-1211	EA	1-1/4" Polypropylene, Heat Fusion, Tee	37.20	14.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1212	EA	1-1/2" Polypropylene, Heat Fusion, Tee	55.64	16.19
22 11 16 00-1213	EA	2" Polypropylene, Heat Fusion, Tee	66.33	16.51
22 11 16 00-1214	EA	2-1/2" Polypropylene, Heat Fusion, Tee	100.93	22.57
22 11 16 00-1215	EA	3" Polypropylene, Heat Fusion, Tee	144.23	26.06
22 11 16 00-1216	EA	3-1/2" Polypropylene, Heat Fusion, Tee	201.78	29.09
22 11 16 00-1217	EA	4" Polypropylene, Heat Fusion, Tee	255.10	32.11
22 11 16 00-1218		Polypropylene Random (PP-R), Heat Fusion, Reducing Tee *(22 11 16 00-1078)*		
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	24.61	10.78
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	26.82	11.31
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee	32.18	13.46
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	37.20	14.53
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	55.64	16.19
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee	64.32	16.51
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	96.15	22.57
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee	154.40	26.06
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	218.01	29.09
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	249.33	32.11
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	255.76	32.11
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	256.48	32.11
22 11 16 00-1231		Polypropylene Random (PP-R), Heat Fusion, End Cap *(22 11 16 00-1078)*		
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap	10.49	3.60
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap	11.71	3.75
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap	14.10	4.51
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	17.67	4.82
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	21.88	5.42
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap	29.54	5.53
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	41.82	7.51
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap	77.95	8.69
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	92.28	9.71
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap	132.43	10.73
22 11 16 00-1242		Polypropylene Random (PP-R), Heat Fusion Outlet *(22 11 16 00-1078)*		
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	13.67	
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	13.99	
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	14.45	
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.77	
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	15.75	
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	16.07	
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet	17.68	
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	17.05	
22 11 16 00-1251	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	17.37	
22 11 16 00-1252	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	18.98	
22 11 16 00-1253	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.73	
22 11 16 00-1254	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	18.36	
22 11 16 00-1255	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	18.68	
22 11 16 00-1256	EA	3" x 1" Polypropylene, Heat Fusion Outlet	20.29	
22 11 16 00-1257	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.04	
22 11 16 00-1258	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	18.36	
22 11 16 00-1259	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	19.98	
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	21.59	
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	22.34	
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	26.74	
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	20.96	
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	21.28	
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet	22.89	
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	23.64	
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	26.74	
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet	32.47	
22 11 16 00-1269		Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included *(22 11 16 00-1078)*		
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	16.32	4.51
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	18.28	4.82
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	24.32	5.42
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	26.27	5.53
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	36.31	7.51
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	60.68	8.69
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	83.92	9.71
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	185.76	10.73
22 11 16 00-1278		Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern *(22 11 16 00-1078)*		
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.70	
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	44.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	56.07	
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	66.78	
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	93.69	
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	108.91	
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	135.10	
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	163.78	
22 11 16 00-1287		Polypropylene Random (PP-R), Electrofusion Coupling *(22 11 16 00-1078)*		
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling	68.84	7.18
22 11 16 00-1289	EA	3/4" Polypropylene, Electrofusion Coupling	71.72	7.56
22 11 16 00-1290	EA	1" Polypropylene, Electrofusion Coupling	81.40	9.01
22 11 16 00-1291	EA	1-1/4" Polypropylene, Electrofusion Coupling	83.82	9.71
22 11 16 00-1292	EA	1-1/2" Polypropylene, Electrofusion Coupling	91.04	10.78
22 11 16 00-1293	EA	2" Polypropylene, Electrofusion Coupling	122.71	10.99
22 11 16 00-1294	EA	2-1/2" Polypropylene, Electrofusion Coupling	149.51	15.07
22 11 16 00-1295	EA	3" Polypropylene, Electrofusion Coupling	187.08	17.37
22 11 16 00-1296	EA	3-1/2" Polypropylene, Electrofusion Coupling	255.16	19.41
22 11 16 00-1297	EA	4" Polypropylene, Electrofusion Coupling	315.18	21.45
22 11 16 00-1298		Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow *(22 11 16 00-1078)*		
22 11 16 00-1299	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	31.84	9.87
22 11 16 00-1300	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	38.61	10.24
22 11 16 00-1301		Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow *(22 11 16 00-1078)*		
22 11 16 00-1302	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	34.75	9.87
22 11 16 00-1303		Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test *(22 11 16 00-1078)*		
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	8.83	3.60
22 11 16 00-1305	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.64	3.75
22 11 16 00-1306		Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece *(22 11 16 00-1078)*		
22 11 16 00-1307	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.74	7.18
22 11 16 00-1308	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	28.03	7.18
22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	25.49	7.56
22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	28.78	7.56
22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	33.03	9.01
22 11 16 00-1312		Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece *(22 11 16 00-1078)*		
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.64	7.18
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	33.42	7.18
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.39	7.56
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	34.17	7.56
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	39.96	9.01
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	62.58	9.01
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	66.21	9.71
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	89.83	9.71
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	94.32	10.78
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	103.23	10.78
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	111.46	10.99
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	148.45	10.99
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	162.16	15.07
22 11 16 00-1326		Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece *(22 11 16 00-1078)*		
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	38.78	7.18
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	42.27	7.18
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	39.53	7.56
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	43.02	7.56
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	50.97	9.01
22 11 16 00-1332		Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece *(22 11 16 00-1078)*		
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.27	7.18
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	34.83	7.18
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	35.58	7.56
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	52.31	9.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	75.75	9.01
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	54.97	9.71
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	80.84	9.71
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	85.02	10.78
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	99.75	10.78
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	114.61	10.99
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	130.31	10.99
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	141.06	15.07
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	196.19	15.07
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	293.72	17.37
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	569.75	19.41
22 11 16 00-1348		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	32.49	7.18
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	26.48	7.18
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	33.24	7.56
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	27.23	7.56
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	38.07	9.01
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	61.41	9.01
22 11 16 00-1355		**Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	26.48	7.18
22 11 16 00-1357		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.48	7.18
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	31.42	7.18
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	32.17	7.56
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	40.29	9.01
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	57.64	9.01
22 11 16 00-1363		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.90	10.78
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	40.65	10.78
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	36.96	11.31
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	41.71	11.31
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	49.19	13.46
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	70.51	13.46
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	81.47	16.19
22 11 16 00-1371		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	39.10	10.78
22 11 16 00-1373		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1078)*		
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	30.15	3.60
22 11 16 00-1375		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	25.77	
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	33.66	
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	46.84	
22 11 16 00-1379		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	30.42	
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	42.27	
22 11 16 00-1382		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1078)*		
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	20.64	3.60
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	32.06	3.75
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	42.27	4.51
22 11 16 00-1386		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1078)*		
22 11 16 00-1387	EA	1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body	26.16	7.88
22 11 16 00-1388	EA	3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	27.01	8.31
22 11 16 00-1389	EA	1" Polypropylene, Heat Fusion, FIP Stop Valve Body	39.58	9.87
22 11 16 00-1390	EA	1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	63.82	10.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1391		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1078)*		
22 11 16 00-1392	EA	1/2" Polypropylene, Heat Fusion, Inclined Check Valve	86.14	7.88
22 11 16 00-1393	EA	3/4" Polypropylene, Heat Fusion, Inclined Check Valve	86.99	8.31
22 11 16 00-1394	EA	1" Polypropylene, Heat Fusion, Inclined Check Valve	104.00	9.87
22 11 16 00-1395	EA	1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve	174.41	10.67
22 11 16 00-1396		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1397	EA	1/2" Polypropylene, Heat Fusion, Ball Valve	79.25	7.88
22 11 16 00-1398	EA	3/4" Polypropylene, Heat Fusion, Ball Valve	88.09	8.31
22 11 16 00-1399	EA	1" Polypropylene, Heat Fusion, Ball Valve	106.99	9.87
22 11 16 00-1400	EA	1-1/4" Polypropylene, Heat Fusion, Ball Valve	153.29	10.67
22 11 16 00-1401	EA	1-1/2" Polypropylene, Heat Fusion, Ball Valve	225.38	11.85
22 11 16 00-1402	EA	2" Polypropylene, Heat Fusion, Ball Valve	346.83	12.12
22 11 16 00-1403		**Extension For Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1404	EA	Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length	41.60	
22 11 16 00-1405	EA	Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length	41.67	
22 11 16 00-1406	EA	Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length	45.76	
22 11 16 00-1407		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1078)*		
22 11 16 00-1408	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	36.10	7.18
22 11 16 00-1409	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	36.85	7.56
22 11 16 00-1410	EA	1" Polypropylene, Heat Fusion, Draining Branch	42.04	9.01
22 11 16 00-1411	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	43.44	9.71
22 11 16 00-1412	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	47.60	10.78
22 11 16 00-1413	EA	2" Polypropylene, Heat Fusion, Draining Branch	51.51	10.99
22 11 16 00-1414		**Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1415		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1414)*		
22 11 16 00-1416	LF	1/2" Schedule 40 Red Brass Pipe	28.96	2.22
22 11 16 00-1417	LF	3/4" Schedule 40 Red Brass Pipe	38.36	2.22
22 11 16 00-1418	LF	1" Schedule 40 Red Brass Pipe	52.36	2.22
22 11 16 00-1419	LF	1-1/4" Schedule 40 Red Brass Pipe	76.79	2.43
22 11 16 00-1420	LF	1-1/2" Schedule 40 Red Brass Pipe	88.43	2.64
22 11 16 00-1421	LF	2" Schedule 40 Red Brass Pipe	113.34	3.17
22 11 16 00-1422	LF	2-1/2" Schedule 40 Red Brass Pipe	164.82	3.60
22 11 16 00-1423	LF	3" Schedule 40 Red Brass Pipe	232.87	3.81
22 11 16 00-1424	LF	4" Schedule 40 Red Brass Pipe	333.79	3.81
22 11 16 00-1425		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1426	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	61.63	26.32
22 11 16 00-1427	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	69.91	28.97
22 11 16 00-1428	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	87.95	34.25
22 11 16 00-1429	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	105.26	36.79
22 11 16 00-1430	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	118.02	39.44
22 11 16 00-1431	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	147.29	42.08
22 11 16 00-1432	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	251.03	52.66
22 11 16 00-1433	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	348.91	63.13
22 11 16 00-1434	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	619.10	84.16
22 11 16 00-1435		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1436	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	64.64	26.32
22 11 16 00-1437	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	74.28	28.97
22 11 16 00-1438	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	97.10	34.25
22 11 16 00-1439	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	117.25	36.79
22 11 16 00-1440	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	134.53	39.44
22 11 16 00-1441	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	183.35	42.08
22 11 16 00-1442	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	281.06	52.66
22 11 16 00-1443	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	441.24	63.13
22 11 16 00-1444	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	880.38	84.16
22 11 16 00-1445		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1446	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	63.16	26.32
22 11 16 00-1447	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	72.90	28.97
22 11 16 00-1448	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	93.97	34.25
22 11 16 00-1449	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	114.27	36.79
22 11 16 00-1450	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	130.02	39.44
22 11 16 00-1451	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	166.82	42.08
22 11 16 00-1452	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	263.00	52.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1453	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	369.41	63.13
22 11 16 00-1454	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	819.67	84.16
22 11 16 00-1455		**125 LB Cast Bronze, Screwed, Tees** *(22 11 16 00-1414)*		
22 11 16 00-1456	EA	1/2" 125 LB Cast Bronze, Screwed, Tee	89.47	39.44
22 11 16 00-1457	EA	3/4" 125 LB Cast Bronze, Screwed, Tee	101.31	43.14
22 11 16 00-1458	EA	1" 125 LB Cast Bronze, Screwed, Tee	129.15	51.07
22 11 16 00-1459	EA	1-1/4" 125 LB Cast Bronze, Screwed, Tee	157.10	55.30
22 11 16 00-1460	EA	1-1/2" 125 LB Cast Bronze, Screwed, Tee	170.46	58.89
22 11 16 00-1461	EA	2" 125 LB Cast Bronze, Screwed, Tee	213.43	63.13
22 11 16 00-1462	EA	2-1/2" 125 LB Cast Bronze, Screwed, Tee	356.19	78.98
22 11 16 00-1463	EA	3" 125 LB Cast Bronze, Screwed, Tee	492.62	94.74
22 11 16 00-1464	EA	4" 125 LB Cast Bronze, Screwed, Tee	1,003.77	126.24
22 11 16 00-1465		**125 LB Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1414)*		
22 11 16 00-1466	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	93.96	39.44
22 11 16 00-1467	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing Tee	104.34	43.14
22 11 16 00-1468	EA	1" 125 LB Cast Bronze, Screwed, Reducing Tee	141.17	51.07
22 11 16 00-1469	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee	166.11	55.30
22 11 16 00-1470	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	194.50	58.89
22 11 16 00-1471	EA	2" 125 LB Cast Bronze, Screwed, Reducing Tee	250.99	63.13
22 11 16 00-1472	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	429.24	78.98
22 11 16 00-1473	EA	3" 125 LB Cast Bronze, Screwed, Reducing Tee	810.06	94.74
22 11 16 00-1474	EA	4" 125 LB Cast Bronze, Screwed, Reducing Tee	1,254.16	126.24
22 11 16 00-1475		**125 LB Cast Bronze, Screwed, Crosses** *(22 11 16 00-1414)*		
22 11 16 00-1476	EA	1/2" 125 LB Cast Bronze, Screwed, Cross	126.30	52.66
22 11 16 00-1477	EA	3/4" 125 LB Cast Bronze, Screwed, Cross	145.82	57.84
22 11 16 00-1478	EA	1" 125 LB Cast Bronze, Screwed, Cross	183.41	68.40
22 11 16 00-1479	EA	1-1/4" 125 LB Cast Bronze, Screwed, Cross	226.18	73.69
22 11 16 00-1480	EA	1-1/2" 125 LB Cast Bronze, Screwed, Cross	266.45	78.98
22 11 16 00-1481	EA	2" 125 LB Cast Bronze, Screwed, Cross	385.48	84.16
22 11 16 00-1482	EA	2-1/2" 125 LB Cast Bronze, Screwed, Cross	621.21	105.21
22 11 16 00-1483	EA	3" 125 LB Cast Bronze, Screwed, Cross	855.05	126.24
22 11 16 00-1484	EA	4" 125 LB Cast Bronze, Screwed, Cross	1,568.96	168.43
22 11 16 00-1485		**125 LB Cast Bronze, Screwed, Caps** *(22 11 16 00-1414)*		
22 11 16 00-1486	EA	1/2" 125 LB Cast Bronze, Screwed, Cap	29.68	15.65
22 11 16 00-1487	EA	3/4" 125 LB Cast Bronze, Screwed, Cap	33.58	17.24
22 11 16 00-1488	EA	1" 125 LB Cast Bronze, Screwed, Cap	44.42	20.30
22 11 16 00-1489	EA	1-1/4" 125 LB Cast Bronze, Screwed, Cap	57.18	21.89
22 11 16 00-1490	EA	1-1/2" 125 LB Cast Bronze, Screwed, Cap	67.10	23.47
22 11 16 00-1491	EA	2" 125 LB Cast Bronze, Screwed, Cap	91.98	25.05
22 11 16 00-1492	EA	2-1/2" 125 LB Cast Bronze, Screwed, Cap	146.50	31.30
22 11 16 00-1493	EA	3" 125 LB Cast Bronze, Screwed, Cap	210.11	37.54
22 11 16 00-1494	EA	4" 125 LB Cast Bronze, Screwed, Cap	368.08	50.01
22 11 16 00-1495		**125 LB Cast Bronze, Screwed, Couplings** *(22 11 16 00-1414)*		
22 11 16 00-1496	EA	1/2" 125 LB Cast Bronze, Screwed, Coupling	60.15	26.32
22 11 16 00-1497	EA	3/4" 125 LB Cast Bronze, Screwed, Coupling	68.43	28.97
22 11 16 00-1498	EA	1" 125 LB Cast Bronze, Screwed, Coupling	86.44	34.25
22 11 16 00-1499	EA	1-1/4" 125 LB Cast Bronze, Screwed, Coupling	103.73	36.79
22 11 16 00-1500	EA	1-1/2" 125 LB Cast Bronze, Screwed, Coupling	118.02	39.44
22 11 16 00-1501	EA	2" 125 LB Cast Bronze, Screwed, Coupling	148.80	42.08
22 11 16 00-1502	EA	2-1/2" 125 LB Cast Bronze, Screwed, Coupling	210.43	52.66
22 11 16 00-1503	EA	3" 125 LB Cast Bronze, Screwed, Coupling	272.07	63.13
22 11 16 00-1504	EA	4" 125 LB Cast Bronze, Screwed, Coupling	468.85	84.16
22 11 16 00-1505		**125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1414)*		
22 11 16 00-1506	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	53.12	21.05
22 11 16 00-1507	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	60.67	23.68
22 11 16 00-1508	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	82.34	31.61
22 11 16 00-1509	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	98.36	34.25
22 11 16 00-1510	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	111.42	36.79
22 11 16 00-1511	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	134.77	39.44
22 11 16 00-1512	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	196.44	50.01
22 11 16 00-1513	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	238.31	57.84
22 11 16 00-1514	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	414.67	76.34
22 11 16 00-1515		**125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1414)*		
22 11 16 00-1516	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	54.36	21.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1517	EA	1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	98.25	28.97
22 11 16 00-1518	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	128.93	31.61
22 11 16 00-1519	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	150.95	34.25
22 11 16 00-1520	EA	2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	201.41	39.44
22 11 16 00-1521	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	310.06	50.01
22 11 16 00-1522	EA	3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	374.68	52.66
22 11 16 00-1523	EA	4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	425.32	68.40

22 11 16 00-1524 125 LB Cast Bronze, FIP Threaded, Unions *(22 11 16 00-1414)*

22 11 16 00-1525	EA	1/2" 125 LB Cast Bronze, FIP Threaded, Union	66.14	21.05
		For 150 LB, Add	*9.62*	
22 11 16 00-1526	EA	3/4" 125 LB Cast Bronze, FIP Threaded, Union	79.35	23.15
		For 150 LB, Add	*13.22*	
22 11 16 00-1527	EA	1" 125 LB Cast Bronze, FIP Threaded, Union	98.30	27.38
		For 150 LB, Add	*17.43*	
22 11 16 00-1528	EA	1-1/4" 125 LB Cast Bronze, FIP Threaded, Union	122.02	29.50
		For 150 LB, Add	*25.23*	
22 11 16 00-1529	EA	1-1/2" 125 LB Cast Bronze, FIP Threaded, Union	138.30	31.61
		For 150 LB, Add	*30.06*	
22 11 16 00-1530	EA	2" 125 LB Cast Bronze, FIP Threaded, Union	163.37	35.73
		For 150 LB, Add	*36.72*	
22 11 16 00-1531	EA	2-1/2" 125 LB Cast Bronze, FIP Threaded, Union	282.22	52.87
		For 150 LB, Add	*70.60*	
		For 250 LB, Add	*150.02*	
		For 300 LB, Add	*211.79*	
22 11 16 00-1532	EA	3" 125 LB Cast Bronze, FIP Threaded, Union	411.73	69.52
		For 150 LB, Add	*109.08*	
		For 250 LB, Add	*231.79*	
		For 300 LB, Add	*327.23*	
22 11 16 00-1533	EA	4" 125 LB Cast Bronze, FIP Threaded, Union	755.56	76.98
		For 150 LB, Add	*240.60*	
		For 250 LB, Add	*511.28*	
		For 300 LB, Add	*721.80*	

22 11 16 00-1534 125 LB Cast Bronze, Screwed, Companion Flanges *(22 11 16 00-1414)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-1535	EA	1/2" 125 LB Cast Bronze, Screwed, Companion Flange	185.81	26.32
22 11 16 00-1536	EA	3/4" 125 LB Cast Bronze, Screwed, Companion Flange	202.48	31.61
22 11 16 00-1537	EA	1" 125 LB Cast Bronze, Screwed, Companion Flange	232.09	36.79
22 11 16 00-1538	EA	1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange	264.68	39.44
22 11 16 00-1539	EA	1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	313.62	42.08
22 11 16 00-1540	EA	2" 125 LB Cast Bronze, Screwed, Companion Flange	395.43	44.72
22 11 16 00-1541	EA	2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	498.60	52.66
22 11 16 00-1542	EA	3" 125 LB Cast Bronze, Screwed, Companion Flange	617.78	65.77
22 11 16 00-1543	EA	4" 125 LB Cast Bronze, Screwed, Companion Flange	880.72	92.09

22 11 16 00-1544 125 LB Cast Bronze, Screwed, Square Head Plugs *(22 11 16 00-1414)*

22 11 16 00-1545	EA	1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	18.21	
22 11 16 00-1546	EA	3/4" 125 LB Cast Bronze, Screwed, Square Head Plug	18.78	
22 11 16 00-1547	EA	1" 125 LB Cast Bronze, Screwed, Square Head Plug	28.93	
22 11 16 00-1548	EA	1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug	33.45	
22 11 16 00-1549	EA	1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	38.11	
22 11 16 00-1550	EA	2" 125 LB Cast Bronze, Screwed, Square Head Plug	57.29	
22 11 16 00-1551	EA	2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	86.81	
22 11 16 00-1552	EA	3" 125 LB Cast Bronze, Screwed, Square Head Plug	127.25	
22 11 16 00-1553	EA	4" 125 LB Cast Bronze, Screwed, Square Head Plug	215.63	

22 11 16 00-1554 125 LB Cast Bronze, Screwed, Counter Sunk Plugs *(22 11 16 00-1414)*

22 11 16 00-1555	EA	1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	7.53	
22 11 16 00-1556	EA	3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	9.01	
22 11 16 00-1557	EA	1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	13.55	
22 11 16 00-1558	EA	1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	21.05	
22 11 16 00-1559	EA	1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	33.33	
22 11 16 00-1560	EA	2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	51.66	
22 11 16 00-1561	EA	2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	100.55	
22 11 16 00-1562	EA	3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	162.84	
22 11 16 00-1563	EA	4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	397.15	

22 11 16 00-1564 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings *(22 11 16 00-1414)*

22 11 16 00-1565	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.00	
22 11 16 00-1566	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.53	
22 11 16 00-1567	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	10.54	
22 11 16 00-1568	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.04	
22 11 16 00-1569	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	25.57	
22 11 16 00-1570	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	31.59	
22 11 16 00-1571	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	79.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1572	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	117.23	
22 11 16 00-1573	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	256.77	
22 11 16 00-1574		**125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings** *(22 11 16 00-1414)*		
22 11 16 00-1575	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	10.54	
22 11 16 00-1576	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.01	
22 11 16 00-1577	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	26.16	
22 11 16 00-1578	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	35.53	
22 11 16 00-1579	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	44.42	
22 11 16 00-1580	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	55.96	
22 11 16 00-1581	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	114.26	
22 11 16 00-1582	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	180.78	
22 11 16 00-1583	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	379.90	
22 11 16 00-1584		**1/2" Red Brass Pipe Nipples** *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1585	EA	1/2" x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1586	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1587	EA	1/2" x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1588	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1589	EA	1/2" x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1590	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1591	EA	1/2" x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1592	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1593	EA	1/2" x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1594	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1595	EA	1/2" x 6" Long, Red Brass Pipe Nipple	39.07	
22 11 16 00-1596		**3/4" Red Brass Pipe Nipples** *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1597	EA	3/4" x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1598	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1599	EA	3/4" x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1600	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1601	EA	3/4" x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1602	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1603	EA	3/4" x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1604	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1605	EA	3/4" x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1606	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1607	EA	3/4" x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1608		**1" Red Brass Pipe Nipples** *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1609	EA	1" x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1610	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1611	EA	1" x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1612	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1613	EA	1" x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1614	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1615	EA	1" x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1616	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1617	EA	1" x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1618	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1619	EA	1" x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1620		**1-1/4" Red Brass Pipe Nipples** *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1621	EA	1-1/4" x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1622	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1623	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1624	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1625	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1626	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1627	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1628	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1629	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1630	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1631	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1632		**1-1/2" Red Brass Pipe Nipples** *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1633	EA	1-1/2" x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1634	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1635	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple	46.99	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1636	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1637	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1638	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1639	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1640	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1641	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1642	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1643	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1644		2" Red Brass Pipe Nipples *(22 11 16 00-1414)*		
		Note: Threaded both ends.		
22 11 16 00-1645	EA	2" x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1646	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1647	EA	2" x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1648	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1649	EA	2" x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1650	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1651	EA	2" x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1652	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1653	EA	2" x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1654	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1655	EA	2" x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1656		Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1657		Cross-Linked Polyethylene Tubing *(22 11 16 00-1656)*		
22 11 16 00-1658	LF	3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.59	
		For Work In Restricted Working Space, Add	*1.00*	
22 11 16 00-1659	LF	1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	6.12	
		For Work In Restricted Working Space, Add	*1.08*	
22 11 16 00-1660	LF	3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	8.50	
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-1661	LF	1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	12.03	
		For Work In Restricted Working Space, Add	*1.23*	
22 11 16 00-1662		Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1656)*		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1663		Male Adapters *(22 11 16 00-1662)*		
22 11 16 00-1664	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	23.49	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1665	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.37	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1666	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.97	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-1667	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	29.12	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1668	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.97	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-1669	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	37.88	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-1670		Female Adapters *(22 11 16 00-1662)*		
22 11 16 00-1671	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	26.10	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1672	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	29.98	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-1673	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	31.13	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1674	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	29.98	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-1675	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	38.79	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-1676		Tube Adapters *(22 11 16 00-1662)*		
22 11 16 00-1677	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	20.51	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1678	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	21.66	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1679	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	26.74	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1680	EA	1" Forged Brass Tube Adapter For PEX Tubing	36.00	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-1681		Plugs *(22 11 16 00-1662)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1682	EA	3/8" Forged Brass Plug For PEX Tubing	10.60	
		For Work In Restricted Working Space, Add	*2.41*	
22 11 16 00-1683	EA	1/2" Forged Brass Plug For PEX Tubing	11.74	
		For Work In Restricted Working Space, Add	*2.75*	
22 11 16 00-1684	EA	3/4" Forged Brass Plug For PEX Tubing	13.62	
		For Work In Restricted Working Space, Add	*3.10*	
22 11 16 00-1685	EA	1" Forged Brass Plug For PEX Tubing	17.56	
		For Work In Restricted Working Space, Add	*3.44*	

22 11 16 00-1686 Tees *(22 11 16 00-1662)*

22 11 16 00-1687	EA	3/8" Forged Brass Tee For PEX Tubing	29.47	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-1688	EA	1/2" Forged Brass Tee For PEX Tubing	32.91	
		For Work In Restricted Working Space, Add	*8.27*	
22 11 16 00-1689	EA	3/4" Forged Brass Tee For PEX Tubing	40.01	
		For Work In Restricted Working Space, Add	*9.30*	
22 11 16 00-1690	EA	1" Forged Brass Tee For PEX Tubing	53.75	
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-1691	EA	1/2" Forged Brass Reducing Tee For PEX Tubing	31.76	
		For Work In Restricted Working Space, Add	*7.92*	
22 11 16 00-1692	EA	3/4" Forged Brass Reducing Tee For PEX Tubing	37.72	
		For Work In Restricted Working Space, Add	*8.61*	
22 11 16 00-1693	EA	1" Forged Brass Reducing Tee For PEX Tubing	48.84	
		For Work In Restricted Working Space, Add	*9.30*	

22 11 16 00-1694 Couplings *(22 11 16 00-1662)*

22 11 16 00-1695	EA	3/8" Forged Brass Coupling For PEX Tubing	18.81	
		For Work In Restricted Working Space, Add	*4.82*	
22 11 16 00-1696	EA	1/2" Forged Brass Coupling For PEX Tubing	21.30	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1697	EA	3/4" Forged Brass Coupling For PEX Tubing	24.50	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1698	EA	1" Forged Brass Coupling For PEX Tubing	31.07	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-1699	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	23.35	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-1700	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	29.92	
		For Work In Restricted Working Space, Add	*6.55*	

22 11 16 00-1701 Fitting Reducers *(22 11 16 00-1662)*

22 11 16 00-1702	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	21.06	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1703	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	22.21	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1704	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	27.84	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1705	EA	1" Forged Brass Fitting Reducer For PEX Tubing	42.27	
		For Work In Restricted Working Space, Add	*6.89*	

22 11 16 00-1706 90 Degree Elbows *(22 11 16 00-1662)*

22 11 16 00-1707	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	20.46	
		For Work In Restricted Working Space, Add	*4.82*	
22 11 16 00-1708	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	22.76	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1709	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	27.84	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1710	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	26.69	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-1711	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	34.19	
		For Work In Restricted Working Space, Add	*5.51*	
22 11 16 00-1712	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	38.13	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-1713	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	36.98	
		For Work In Restricted Working Space, Add	*5.85*	

22 11 19 Domestic Water Piping Specialties *(22 11)*

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.82	2.28
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.58	2.28
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.27	2.28
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.41	2.28
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	18.86	3.43
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	32.43	3.43
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	35.20	4.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	69.65	4.57
22 11 19 00-0011		**Reinfored EPDM Water Hose Assembly** *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	93.65	4.57
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	110.73	4.57
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	155.80	5.61
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	219.55	7.59
22 11 19 00-0016		**Chemical Resistant Rubber Hoses** *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,297.92	275.85
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,786.83	275.85
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	762.23	69.78
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	810.40	69.78
22 11 19 00-0022		**Barbed Hose x Threaded Male Pipe, Steel Coupling** *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	28.67	9.59
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	30.40	10.28
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	32.56	10.97
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	37.10	12.33
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	44.27	15.08
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	52.43	18.04
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	67.52	23.75
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	85.03	29.69
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	13.07	3.43
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	13.78	3.43
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	14.53	3.43
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	15.43	3.43
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	16.45	3.43
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	17.92	4.57
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	19.28	4.57
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	324.81	17.22
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	198.80	11.48
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	192.37	11.48
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	160.87	22.97
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	178.18	22.97
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	259.93	30.88
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	396.03	35.13
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	529.44	37.20
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	666.81	43.63
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		
22 11 19 00-0054	EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	953.18	41.93
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,169.88	70.07
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,483.48	88.45
		For Back Flush Attachment, Add	*650.00*	

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22 11 19 00-0057 Cast Iron, Sewage Air Vacuum Valves *(22 11 19 00-0052)*

Note: Stainless steel float.

22 11 19 00-0058	EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	973.88	41.93
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,910.48	41.93
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,292.76	70.07
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,395.49	88.45

22 11 19 00-0062 Cast Iron, Sewage Combination Air Valves *(22 11 19 00-0052)*

Note: Stainless steel float.

22 11 19 00-0063	EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	2,081.25	41.93
22 11 19 00-0064	EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,870.37	41.93
22 11 19 00-0065	EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	3,358.73	70.07
22 11 19 00-0066	EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	4,107.00	88.45

22 11 19 00-0067 Brass, Anti Siphon Vacuum Breakers *(22 11 19)*

Note: Watts 288A

22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	112.20	28.71
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	129.20	32.15
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	272.54	36.74
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	437.77	42.48
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	523.19	47.07
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	769.07	57.41
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,037.67	71.77

22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers *(22 11 19)*

Note: Watts 800M4QT

22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	344.28	28.71
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	299.17	32.15
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	430.39	36.74
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	785.06	42.48
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	956.58	47.07
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	963.21	57.41

22 11 19 00-0082 Bellows Type Water Hammer Arrestors *(22 11 19)*

22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	166.52	13.73
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	316.70	16.61
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	456.53	16.61
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,094.86	16.61
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,228.04	16.61
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,501.85	16.61

22 11 19 00-0089 Piston Type Water Hammer Arrestors *(22 11 19)*

22 11 19 00-0090 Threaded Piston Type Water Hammer Arrestors *(22 11 19 00-0089)*

22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	192.75	7.65
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	372.54	8.83
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	555.04	9.57
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,369.87	12.35
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,668.33	15.31
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,898.75	16.61

22 11 19 00-0097 Escutcheons *(22 11 19)*

22 11 19 00-0098 Brass Escutcheons *(22 11 19 00-0097)*

22 11 19 00-0099 Shallow Brass Escutcheons *(22 11 19 00-0098)*

22 11 19 00-0100	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	13.26	2.87
22 11 19 00-0101	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	14.31	2.87

22 11 19 00-0102 Deep Bell Brass Escutcheons *(22 11 19 00-0098)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0103	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	15.68	3.21
22 11 19 00-0104	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	15.72	3.21
22 11 19 00-0105		Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0098)*		
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.88	2.87
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.12	2.87
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.49	2.87
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.80	2.87
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.17	3.44
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.46	3.44
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.39	3.79
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.63	4.02
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	41.26	4.59
22 11 19 00-0115		Plastic Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0116		Split-Ring White Plastic Escutcheons *(22 11 19 00-0115)*		
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	7.16	2.85
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	7.16	2.85
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	8.41	3.19
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon	9.11	3.43
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	9.81	3.77
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	10.47	4.00
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon	11.78	4.57
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	15.38	4.91
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon	19.01	5.14
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon	23.19	5.71
22 11 19 00-0127		Chrome Plate Plastic Escutcheons *(22 11 19 00-0115)*		
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	9.65	2.85
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	10.54	3.19
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon	11.86	3.43
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	13.18	3.77
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	13.86	4.00
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon	17.56	4.57
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	25.80	4.91
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon	26.69	5.14
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon	28.47	5.71
22 11 19 00-0137		Stainless Steel Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0138		Shallow Stainless Steel Escutcheons *(22 11 19 00-0137)*		
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	18.47	2.87
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	18.47	2.87
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	26.45	3.21
22 11 19 00-0142		Chrome Plated Steel Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0143		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*		
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.46	2.85
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.03	3.19
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.75	3.43
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.32	3.77
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.90	4.00
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.25	4.57
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.85	4.91
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.85	5.14
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.93	5.48
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.35	5.71
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	23.89	6.28
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	27.95	6.85
22 11 19 00-0156		Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*		
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.68	2.85
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.68	2.85
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.41	3.19
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.17	3.43
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.65	3.77
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.44	4.00
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.15	4.57
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	19.80	4.91
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	24.36	5.14
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.11	5.48
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.52	5.71
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	51.04	6.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	53.22	6.85
22 11 19 00-0170		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.96	3.21
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.84	3.21
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.58	3.21
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.46	3.44
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.19	3.79
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.13	4.02
22 11 19 00-0177		**Shallow Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	7.09	2.87
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.09	2.87
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	7.21	2.87
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	7.72	3.44
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.35	3.79
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	9.28	4.02
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	10.51	4.59
22 11 19 00-0185		**Wall Hydrants** *(22 11 19)* Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0186		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0185)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0187	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,170.41	28.71
		For Cast Bronze Box, Add	*62.29*	
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0188	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,226.26	34.45
		For Cast Bronze Box, Add	*62.29*	
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0189	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,249.77	41.45
		For Cast Bronze Box, Add	*62.29*	
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0190		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0185)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,128.09	48.22
		For Cast Bronze Box, Add	*62.29*	
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0192		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0185)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0193	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	587.77	35.60
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0194	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	745.49	35.60
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0195	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	745.49	35.60
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0196	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	745.49	35.60
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0197	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	782.20	71.77
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0198	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	782.20	71.77
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0199	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	892.00	71.77
		For 1" NPT Outlet, Add	*146.82*	
22 11 19 00-0200		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0185)* Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0201	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	558.40	28.71
22 11 19 00-0202	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	613.42	28.71
22 11 19 00-0203	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	620.93	28.71
22 11 19 00-0204	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	703.47	28.71
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	1,000.24	40.19
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	1,032.75	40.19
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	1,032.75	40.19
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	1,110.29	40.19
22 11 19 00-0209		**Washer Boxes And Dryer Outlets** *(22 11 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0210		**Dryer Vent Kit** *(22 11 19 00-0209)* Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	80.85	14.92
22 11 19 00-0212		**Washer Boxes And Dryer Vents** *(22 11 19 00-0209)* Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	283.62	22.97
22 11 19 00-0214		**Ice Maker Outlet Box** *(22 11 19)* Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	151.97	22.97
22 11 19 00-0216	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	154.92	22.97
22 11 19 00-0217	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	231.82	22.97
22 11 19 00-0218		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0219		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0218)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	573.16	27.79
22 11 19 00-0221	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	140.01	27.79
22 11 19 00-0222	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	321.54	27.79
22 11 19 00-0223	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	366.91	37.44
22 11 19 00-0224		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0218)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,570.74	40.09
22 11 19 00-0226	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,761.30	49.37
22 11 19 00-0227	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,118.21	57.43
22 11 19 00-0228	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,751.50	60.36
22 11 19 00-0229	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,695.13	78.31
22 11 19 00-0230		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0218)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,020.60	61.74
22 11 19 00-0232	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,236.47	71.79
22 11 19 00-0233	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,110.36	75.45
22 11 19 00-0234	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,763.61	97.89
22 11 19 00-0235		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0218)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,136.21	40.09
22 11 19 00-0237	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,336.85	49.37
22 11 19 00-0238	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,644.29	57.43
22 11 19 00-0239	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,014.29	60.38
22 11 19 00-0240	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	2,996.98	78.31
22 11 19 00-0241		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0218)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,252.45	57.41
22 11 19 00-0243	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,442.26	72.34
22 11 19 00-0244	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,788.60	87.26
22 11 19 00-0245	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,167.99	102.18
22 11 19 00-0246	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,961.27	134.34
22 11 19 00-0247	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,864.51	153.21
22 11 19 00-0248		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0218)*		
22 11 19 00-0249	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	5,360.46	78.34

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0250		Backflow Preventer Valves *(22 11 19)*		
22 11 19 00-0251		Double Check Valve Backflow Preventer Assemblies *(22 11 19 00-0250)*		
22 11 19 00-0252		Threaded Double Check Valve Assemblies *(22 11 19 00-0251)*		
22 11 19 00-0253		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0252)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0254	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	473.16	30.77
		For Work In Restricted Working Space, Add	*23.08*	
		For Owner Furnished Material, Deduct	*-396.23*	
22 11 19 00-0255	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	556.38	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-447.30*	
22 11 19 00-0256	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	640.69	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-507.50*	
22 11 19 00-0257	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	900.61	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-745.60*	
22 11 19 00-0258	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,116.97	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-940.15*	
22 11 19 00-0259	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,283.66	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-1,054.03*	
22 11 19 00-0260		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0252)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0261	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	586.54	30.77
		For Work In Restricted Working Space, Add	*23.08*	
		For Owner Furnished Material, Deduct	*-509.61*	
22 11 19 00-0262	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	722.44	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-613.36*	
22 11 19 00-0263	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	844.27	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-711.08*	
22 11 19 00-0264	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,190.68	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-1,035.67*	
22 11 19 00-0265	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,458.62	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-1,281.80*	
22 11 19 00-0266	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,755.34	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-1,525.71*	
22 11 19 00-0267		Flanged Double Check Valve Assemblies *(22 11 19 00-0251)*		
22 11 19 00-0268		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0267)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,470.85	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-6,132.50*	
22 11 19 00-0270	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,109.48	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-6,734.13*	
22 11 19 00-0271		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,094.18	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-6,755.83*	
22 11 19 00-0273	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,148.36	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-7,773.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0274 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0275	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,515.80	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-6,177.47*	
22 11 19 00-0276	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	4,954.75	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-4,579.38*	
22 11 19 00-0277	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	7,759.81	422.93
		For Work In Restricted Working Space, Add	*169.08*	
		For Owner Furnished Material, Deduct	*-7,196.20*	
22 11 19 00-0278	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	11,792.71	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-10,634.56*	
22 11 19 00-0279	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	27,027.00	961.69
		For Work In Restricted Working Space, Add	*521.25*	
		For Owner Furnished Material, Deduct	*-25,289.49*	
22 11 19 00-0280	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	34,728.96	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-32,660.82*	

22 11 19 00-0281 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0282	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,076.19	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-8,512.63*	
22 11 19 00-0283	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,100.88	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-13,942.73*	
22 11 19 00-0284	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	40,372.69	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-38,304.55*	

22 11 19 00-0285 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0286	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	6,923.60	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-6,585.27*	
22 11 19 00-0287	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	7,607.21	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-7,231.86*	
22 11 19 00-0288	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,237.33	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-7,673.77*	
22 11 19 00-0289	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	13,823.21	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-12,665.06*	
22 11 19 00-0290	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	28,713.02	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-26,975.78*	
22 11 19 00-0291	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	36,904.77	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-34,836.63*	

22 11 19 00-0292 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0293	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,106.37	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-3,768.04*	
22 11 19 00-0294	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,520.41	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-4,145.06*	
22 11 19 00-0295	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,085.64	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-4,522.08*	
22 11 19 00-0296	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,229.06	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-7,070.91*	
22 11 19 00-0297	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	15,717.02	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-13,979.78*	
22 11 19 00-0298	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,027.50	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-14,959.36*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0299		N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0300	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,443.35	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-5,105.02*	
22 11 19 00-0301	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,857.39	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-5,482.04*	
22 11 19 00-0302	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,319.78	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-6,756.22*	
22 11 19 00-0303	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	11,969.11	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-10,810.96*	
22 11 19 00-0304	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	21,260.16	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-19,522.92*	
22 11 19 00-0305	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	25,299.24	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-23,231.10*	
22 11 19 00-0306		Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0307	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	3,840.45	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-3,502.12*	
22 11 19 00-0308	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,266.58	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-3,891.23*	
22 11 19 00-0309	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,843.75	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-4,280.19*	
22 11 19 00-0310	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,039.04	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-6,880.89*	
22 11 19 00-0311	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	15,533.90	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-13,796.66*	
22 11 19 00-0312	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	17,538.80	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-15,470.66*	
22 11 19 00-0313		N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0314	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,065.32	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-4,726.99*	
22 11 19 00-0315	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,479.36	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-5,104.01*	
22 11 19 00-0316	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	6,942.22	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-6,378.66*	
22 11 19 00-0317	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,566.97	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-10,408.82*	
22 11 19 00-0318	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	20,651.48	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-18,914.24*	
22 11 19 00-0319	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	24,688.79	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-22,620.65*	
22 11 19 00-0320		Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0321	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,469.36	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-4,131.03*	
22 11 19 00-0322	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,883.40	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-4,508.05*	
22 11 19 00-0323	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,448.63	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-4,885.07*	
22 11 19 00-0324	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,601.20	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-7,443.05*	
22 11 19 00-0325	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,089.16	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-14,351.92*	
22 11 19 00-0326		N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	5,806.34	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-5,468.01*	
22 11 19 00-0328	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,220.38	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-5,845.03*	
22 11 19 00-0329	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,682.77	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-7,119.21*	
22 11 19 00-0330	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,341.33	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-11,183.18*	
22 11 19 00-0331	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,089.16	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-14,351.92*	
22 11 19 00-0332		Grooved Double Check Valve Assemblies *(22 11 19 00-0251)*		
22 11 19 00-0333		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0332)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	3,840.45	135.34
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-3,502.12*	
22 11 19 00-0335	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,266.58	150.14
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-3,891.23*	
22 11 19 00-0336		N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0332)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,065.32	135.34
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-4,726.99*	
22 11 19 00-0338	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,479.36	150.14
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-5,104.01*	
22 11 19 00-0339		Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0250)*		
22 11 19 00-0340		Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0339)*		
22 11 19 00-0341		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0340)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	527.44	26.63
		For Work In Restricted Working Space, Add	*19.98*	
		For Owner Furnished Material, Deduct	*-460.84*	
22 11 19 00-0343	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	556.71	29.39
		For Work In Restricted Working Space, Add	*22.05*	
		For Owner Furnished Material, Deduct	*-483.22*	
22 11 19 00-0344	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	649.35	30.77
		For Work In Restricted Working Space, Add	*23.08*	
		For Owner Furnished Material, Deduct	*-572.42*	
22 11 19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	871.43	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-762.35*	
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,033.51	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-900.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,567.34	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-1,412.33*	
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,655.58	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-1,478.76*	
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,984.41	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-1,754.78*	

22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0351	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	583.23	26.63
		For Work In Restricted Working Space, Add	*19.98*	
		For Owner Furnished Material, Deduct	*-516.63*	
22 11 19 00-0352	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	615.51	29.39
		For Work In Restricted Working Space, Add	*22.05*	
		For Owner Furnished Material, Deduct	*-542.02*	
22 11 19 00-0353	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	729.92	43.63
		For Work In Restricted Working Space, Add	*23.08*	
		For Owner Furnished Material, Deduct	*-652.99*	
22 11 19 00-0354	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	998.06	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-888.98*	
22 11 19 00-0355	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,191.84	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-1,058.65*	
22 11 19 00-0356	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,783.27	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-1,628.26*	
22 11 19 00-0357	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,960.30	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-1,783.48*	
22 11 19 00-0358	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,358.26	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-2,128.63*	

22 11 19 00-0359 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0360	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	871.43	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-762.35*	
22 11 19 00-0361	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,033.51	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-900.32*	
22 11 19 00-0362	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,567.34	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-1,412.33*	
22 11 19 00-0363	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,655.58	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-1,478.76*	
22 11 19 00-0364	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,984.41	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-1,754.78*	

22 11 19 00-0365 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0366	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,811.93	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-1,702.85*	
22 11 19 00-0367	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,144.22	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-2,011.03*	
22 11 19 00-0368	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,305.57	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-3,150.56*	
22 11 19 00-0369	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,572.49	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-3,395.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0370	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,141.31	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-3,911.68*	

22 11 19 00-0371 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0372	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,444.91	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-2,335.83*	
22 11 19 00-0373	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,905.91	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-2,772.72*	
22 11 19 00-0374	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,436.21	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-4,281.20*	
22 11 19 00-0375	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,845.04	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-4,668.22*	
22 11 19 00-0376	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,752.71	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-5,523.08*	

22 11 19 00-0377 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0378	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	998.06	43.63
		For Work In Restricted Working Space, Add	*32.72*	
		For Owner Furnished Material, Deduct	*-888.98*	
22 11 19 00-0379	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,191.84	53.28
		For Work In Restricted Working Space, Add	*39.96*	
		For Owner Furnished Material, Deduct	*-1,058.65*	
22 11 19 00-0380	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,783.27	62.00
		For Work In Restricted Working Space, Add	*46.50*	
		For Owner Furnished Material, Deduct	*-1,628.26*	
22 11 19 00-0381	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,960.30	71.19
		For Work In Restricted Working Space, Add	*53.05*	
		For Owner Furnished Material, Deduct	*-1,783.48*	
22 11 19 00-0382	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,358.26	91.85
		For Work In Restricted Working Space, Add	*68.89*	
		For Owner Furnished Material, Deduct	*-2,128.63*	

22 11 19 00-0383 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0339)*

22 11 19 00-0384 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0385	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	5,948.31	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-5,609.96*	
22 11 19 00-0386	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,703.23	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-6,327.88*	

22 11 19 00-0387 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0388	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,098.84	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-6,760.49*	
22 11 19 00-0389	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,039.82	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-7,664.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0390 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,388.67	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-6,050.32*	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,435.10	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-7,059.75*	

22 11 19 00-0393 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

22 11 19 00-0394	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,098.84	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-6,760.49*	
22 11 19 00-0395	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,039.82	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-7,664.47*	

22 11 19 00-0396 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).

22 11 19 00-0397	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	7,884.97	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-7,546.62*	
22 11 19 00-0398	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,126.77	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-8,751.42*	

22 11 19 00-0399 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).

22 11 19 00-0400	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,244.92	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-9,906.59*	
22 11 19 00-0401	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	11,640.26	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-11,264.89*	
22 11 19 00-0402	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	14,645.89	422.93
		For Work In Restricted Working Space, Add	*169.08*	
		For Owner Furnished Material, Deduct	*-14,082.28*	
22 11 19 00-0403	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	22,082.61	641.12
		For Work In Restricted Working Space, Add	*486.46*	
		For Owner Furnished Material, Deduct	*-20,461.09*	
22 11 19 00-0404	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	36,650.66	961.69
		For Work In Restricted Working Space, Add	*729.69*	
		For Owner Furnished Material, Deduct	*-34,218.37*	
22 11 19 00-0405	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	47,389.60	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-45,321.46*	

22 11 19 00-0406 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,043.47	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-10,705.14*	
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	12,480.65	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-12,105.30*	
22 11 19 00-0409	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	15,934.36	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-15,370.80*	
22 11 19 00-0410	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	24,044.56	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-22,886.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0411	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	38,949.91	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-37,212.67*	
22 11 19 00-0412	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	52,887.11	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-50,818.97*	
22 11 19 00-0413		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0383)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0414	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	10,902.36	253.76
		For Work In Restricted Working Space, Add	*101.50*	
		For Owner Furnished Material, Deduct	*-10,564.03*	
22 11 19 00-0415	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	12,393.84	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-12,018.47*	
22 11 19 00-0416	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	15,582.43	422.93
		For Work In Restricted Working Space, Add	*169.08*	
		For Owner Furnished Material, Deduct	*-15,018.82*	
22 11 19 00-0417	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	22,984.49	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-21,826.34*	
22 11 19 00-0418	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	38,237.89	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-36,500.65*	
22 11 19 00-0419	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	50,409.33	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-48,341.19*	
22 11 19 00-0420		**Double Check Detector Assemblies** *(22 11 19 00-0250)*		
22 11 19 00-0421		**Flanged Double Check Detector Assemblies With Meter** *(22 11 19 00-0420)*		
22 11 19 00-0422		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter** *(22 11 19 00-0421)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0423	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,163.94	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-7,788.59*	
22 11 19 00-0424	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,532.87	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-7,969.31*	
22 11 19 00-0425	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	11,506.58	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-10,348.43*	
22 11 19 00-0426	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	20,442.62	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-18,705.38*	
22 11 19 00-0427	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	27,632.08	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-25,563.94*	
22 11 19 00-0428		**Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter** *(22 11 19 00-0421)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0429	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,108.41	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-5,770.06*	
22 11 19 00-0430	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,522.04	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-6,146.69*	
22 11 19 00-0431	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,096.19	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-6,532.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0432	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,640.70	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-8,482.55*	
22 11 19 00-0433	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,070.21	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-15,332.97*	
22 11 19 00-0434	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	20,128.33	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-18,060.19*	

22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0436	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,471.47	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-6,133.12*	
22 11 19 00-0437	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,885.11	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-6,509.76*	
22 11 19 00-0438	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,459.18	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-6,895.62*	
22 11 19 00-0439	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,012.83	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-8,854.68*	
22 11 19 00-0440	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	16,623.72	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-14,886.48*	

22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0420)*

22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0441)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0443	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	5,993.77	253.76
		For Work In Restricted Working Space, Add	*101.51*	
22 11 19 00-0444	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,407.45	285.48
		For Work In Restricted Working Space, Add	*112.61*	
22 11 19 00-0445	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,981.60	422.93
		For Work In Restricted Working Space, Add	*169.07*	
22 11 19 00-0446	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,526.11	641.12
		For Work In Restricted Working Space, Add	*347.45*	
22 11 19 00-0447	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	16,955.70	961.69
		For Work In Restricted Working Space, Add	*521.17*	
22 11 19 00-0448	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,013.66	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	

22 11 19 00-0449 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0441)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0450	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,356.81	253.76
		For Work In Restricted Working Space, Add	*101.51*	
22 11 19 00-0451	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,770.44	285.48
		For Work In Restricted Working Space, Add	*112.61*	
22 11 19 00-0452	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,344.59	422.93
		For Work In Restricted Working Space, Add	*169.07*	
22 11 19 00-0453	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	9,898.17	641.12
		For Work In Restricted Working Space, Add	*347.45*	
22 11 19 00-0454	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	17,327.83	961.69
		For Work In Restricted Working Space, Add	*521.17*	

22 11 19 00-0455 Flanged Double Check Detector Assemblies *(22 11 19 00-0420)*

22 11 19 00-0456 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0455)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0457	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	5,786.36	253.76
		For Work In Restricted Working Space, Add	*101.51*	
		For Owner Furnished Material, Deduct	*-5,448.01*	
22 11 19 00-0458	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	7,007.37	285.48
		For Work In Restricted Working Space, Add	*112.61*	
		For Owner Furnished Material, Deduct	*-6,632.02*	
22 11 19 00-0459	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	7,758.67	422.93
		For Work In Restricted Working Space, Add	*169.07*	
		For Owner Furnished Material, Deduct	*-7,195.11*	
22 11 19 00-0460	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	9,769.71	641.12
		For Work In Restricted Working Space, Add	*347.45*	
		For Owner Furnished Material, Deduct	*-8,611.56*	
22 11 19 00-0461	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	17,303.49	961.69
		For Work In Restricted Working Space, Add	*521.17*	
		For Owner Furnished Material, Deduct	*-15,566.25*	
22 11 19 00-0462	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	23,341.81	1,137.47
		For Work In Restricted Working Space, Add	*620.44*	
		For Owner Furnished Material, Deduct	*-21,273.67*	
22 11 19 00-0463	EA	12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	31,167.85	1,364.97
		For Work In Restricted Working Space, Add	*744.53*	
		For Owner Furnished Material, Deduct	*-28,686.09*	
22 11 19 00-0464		**Backflow Preventer Accessories** *(22 11 19 00-0250)*		
22 11 19 00-0465		**Air Gap** *(22 11 19 00-0464)*		
22 11 19 00-0466	EA	Up To 1" Diameter Air Gap For Backflow Preventer	134.15	14.35
22 11 19 00-0467	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	165.17	17.22
22 11 19 00-0468	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	312.02	22.97
22 11 19 00-0469	EA	4" To 6" Diameter Air Gap For Backflow Preventer	618.23	40.19
22 11 19 00-0470	EA	8" To 10" Diameter Air Gap For Backflow Preventer	652.68	57.41
22 11 19 00-0471		**Brass Test Cocks** *(22 11 19 00-0464)*		
22 11 19 00-0472	EA	1/8" Or 1/4" Brass Test Cock	54.62	5.74
22 11 19 00-0473		**Backflow Valve Enclosures** *(22 11 19 00-0250)*		
22 11 19 00-0474		**Flip-Top, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0473)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0475	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,377.65	103.33
		For Heated Enclosure, Add	*167.90*	
22 11 19 00-0476	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,690.84	103.33
		For Heated Enclosure, Add	*214.88*	
22 11 19 00-0477	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,138.82	95.16
		For Heated Enclosure, Add	*285.14*	
22 11 19 00-0478	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,226.29	126.88
		For Heated Enclosure, Add	*286.36*	
22 11 19 00-0479	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,332.50	126.88
		For Heated Enclosure, Add	*302.30*	
22 11 19 00-0480	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,746.46	126.88
		For Heated Enclosure, Add	*364.39*	
22 11 19 00-0481	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,757.35	126.88
		For Heated Enclosure, Add	*366.02*	
22 11 19 00-0482	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,462.70	126.88
		For Heated Enclosure, Add	*471.83*	
22 11 19 00-0483	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,962.37	190.31
		For Heated Enclosure, Add	*1,122.99*	
22 11 19 00-0484	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	11,521.83	190.31
		For Heated Enclosure, Add	*1,656.90*	
22 11 19 00-0485	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	10,949.92	190.31
		For Heated Enclosure, Add	*1,571.12*	
22 11 19 00-0486	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,183.41	222.04
		For Heated Enclosure, Add	*1,894.25*	
22 11 19 00-0487		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0473)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0488	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	726.77	27.56
		For Heated Enclosure, Add	*136.17*	
22 11 19 00-0489	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,015.45	27.56
		For Heated Enclosure, Add	*193.90*	
22 11 19 00-0490	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,278.70	25.38
		For Heated Enclosure, Add	*247.28*	
22 11 19 00-0491	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,937.76	25.38
		For Heated Enclosure, Add	*379.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0492	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,024.96	47.58
		For Heated Enclosure, Add	*989.13*	
22 11 19 00-0493	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,868.69	47.58
		For Heated Enclosure, Add	*1,357.88*	
22 11 19 00-0494	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,567.43	47.58
		For Heated Enclosure, Add	*897.63*	
22 11 19 00-0495	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,172.02	47.58
		For Heated Enclosure, Add	*1,018.54*	
22 11 19 00-0496	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,105.10	47.58
		For Heated Enclosure, Add	*1,605.16*	

22 11 19 00-0497 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets *(22 11 19 00-0473)*

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

22 11 19 00-0498	EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-1	882.47	103.33
22 11 19 00-0499	EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-2	990.09	126.88
22 11 19 00-0500	EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-3	1,068.10	126.88
22 11 19 00-0501	EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures Note: BP-4	1,290.45	126.88

22 11 19 00-0502 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0473)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0503	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	10,312.65	190.31
		For Heated Enclosure, Add	*1,475.53*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0504	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	11,366.60	190.31
		For Heated Enclosure, Add	*1,633.62*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0505	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,090.37	190.31
		For Heated Enclosure, Add	*1,142.19*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0506	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,869.26	190.31
		For Heated Enclosure, Add	*1,259.02*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0507	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	10,326.91	253.76
		For Heated Enclosure, Add	*1,453.88*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0508	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,574.22	253.76
		For Heated Enclosure, Add	*1,640.97*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0509	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,574.22	253.76
		For Heated Enclosure, Add	*1,640.97*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0510	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,783.40	253.76
		For Heated Enclosure, Add	*1,822.35*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0511	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	9,604.89	222.04
		For Heated Enclosure, Add	*1,357.47*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0512	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,244.69	253.76
		For Heated Enclosure, Add	*1,591.54*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0513	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	13,131.99	253.76
		For Heated Enclosure, Add	*1,874.64*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0514	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	14,413.50	269.62
		For Heated Enclosure, Add	*2,060.92*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0515	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	14,726.69	269.62
		For Heated Enclosure, Add	*2,107.90*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0516	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	16,324.11	285.48
		For Heated Enclosure, Add	*2,341.56*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0517	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	16,947.77	285.48
		For Heated Enclosure, Add	*2,435.11*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0518	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	12,314.98	253.76
		For Heated Enclosure, Add	*1,752.09*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0519	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	13,123.82	253.76
		For Heated Enclosure, Add	*1,873.41*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0520	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,846.52	269.62
		For Heated Enclosure, Add	*2,125.87*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0521	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	17,985.38	285.48
		For Heated Enclosure, Add	*2,590.75*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0522	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	15,700.46	285.48
		For Heated Enclosure, Add	*2,248.01*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0523	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,858.38	301.33
		For Heated Enclosure, Add	*2,715.75*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0524	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	18,234.73	301.33
		For Heated Enclosure, Add	*2,622.21*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0525	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	21,114.85	317.20
		For Heated Enclosure, Add	*3,048.28*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0526	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	19,521.67	317.20
		For Heated Enclosure, Add	*2,809.30*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0527	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	22,772.20	333.06
		For Heated Enclosure, Add	*3,290.93*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0528	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	22,811.85	348.92
		For Heated Enclosure, Add	*3,290.93*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0529	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,031.89	364.78
		For Heated Enclosure, Add	*3,917.99*	
		For One 24" Fluorescent Light Fixture, Add	*826.65*	
		For Two 24" Fluorescent Light Fixture, Add	*1,479.27*	
22 11 19 00-0530		**Faucets (Hose Bibbs)** *(22 11 19)*		
22 11 19 00-0531		**Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends** *(22 11 19 00-0530)*		
22 11 19 00-0532	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	63.05	11.48
22 11 19 00-0533	EA	3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	72.71	12.63
22 11 19 00-0534	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	18.96	8.61
22 11 19 00-0535		**Chrome Plated Brass Hose Valves, Screwed Ends** *(22 11 19 00-0530)*		
22 11 19 00-0536	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	219.21	35.13
22 11 19 00-0537		**Antisiphon Freezeless Wall Faucet (Woodford 19CP)** *(22 11 19 00-0530)*		
22 11 19 00-0538	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	136.76	28.71
22 11 19 00-0539	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	148.25	31.81
22 11 19 00-0540	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	156.85	33.64
22 11 19 00-0541	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	165.46	36.05
22 11 19 00-0542	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	174.18	38.23
22 11 19 00-0543		**Keyed, Recessed Valve Boxes** *(22 11 19)*		
22 11 19 00-0544	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	352.43	34.26
22 11 19 00-0545	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	393.00	34.26
22 11 19 00-0546	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	453.84	34.26
22 11 19 00-0547	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	436.12	45.68
22 11 19 00-0548	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	496.96	45.68
22 11 19 00-0549	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	515.21	45.68
22 11 19 00-0550	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	417.33	34.26
22 11 19 00-0551	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	506.57	34.26
22 11 19 00-0552	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	585.67	34.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0553	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	549.69	45.68
22 11 19 00-0554	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	628.79	45.68
22 11 19 00-0555	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	659.21	45.68

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,167.10	338.35
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,691.78	454.66
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,333.42	570.95
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,916.57	687.26
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,786.24	803.57
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	21,948.31	919.88
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	23,408.63	1,036.19

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	43,022.67	1,372.64
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	52,035.16	1,458.44
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	61,084.93	1,544.22

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	57,020.41	1,458.44
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	71,294.46	1,544.22
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	88,839.92	1,715.80
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	112,866.93	1,887.39
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	136,893.96	2,058.96
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	159,569.70	2,316.34
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	182,245.44	2,573.70
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	204,921.18	2,831.07
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	227,811.40	3,174.24

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	41,722.96	1,539.81
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	43,667.19	1,539.81
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	46,445.27	1,539.81
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	50,449.83	1,539.81
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	47,536.59	1,636.05
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	51,032.41	1,636.05
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	55,780.05	1,636.05
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	59,638.95	1,636.05
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	51,967.53	1,732.27
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	55,419.01	1,732.27
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	63,136.83	1,732.27
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	76,089.92	1,732.27
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	54,933.48	1,732.27
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	61,973.67	1,732.27
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	77,470.52	1,732.27
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	77,022.98	1,732.27
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	91,930.75	1,924.75
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	62,904.50	1,924.75
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	77,016.53	1,924.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	76,571.11	1,924.75
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	92,623.16	1,924.75
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	112,257.57	1,924.75
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	52,936.59	1,539.81
22 11 23 13-0047		Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*		
		Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	52,936.59	1,539.81
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	59,307.59	1,539.81
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	64,804.63	1,539.81
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	59,548.18	1,636.05
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	65,007.23	1,636.05
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	60,823.22	1,636.05
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	65,515.98	1,636.05
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	71,969.30	1,636.05
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	77,318.58	1,636.05
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	61,372.03	1,732.27
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	66,064.78	1,732.27
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	72,516.00	1,732.27
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	77,865.27	1,732.27
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	66,649.53	1,732.27
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	71,156.52	1,732.27
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	82,292.04	1,732.27
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	100,463.53	1,732.27
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	68,051.12	1,924.75
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	72,560.21	1,924.75
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	83,695.74	1,924.75
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	101,865.11	1,924.75
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	71,829.81	1,924.75
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	81,949.94	1,924.75
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	103,933.89	1,924.75
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	106,063.89	1,924.75
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	131,583.77	1,924.75
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	81,352.28	2,309.71
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	98,031.29	2,309.71
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	104,355.85	2,309.71
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	126,050.60	2,309.71
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	156,408.89	2,309.71
22 11 23 23		**Domestic-Water In-Line Pumps** *(22 11 23)*		
22 11 23 23-0001		Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*		
		Note: ODP motor.		
22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,119.93	190.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,151.01	190.31
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,205.84	194.02
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,331.76	201.95
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,424.06	209.47
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,589.19	209.47
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	3,889.71	230.63
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,053.09	253.37
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	4,913.85	278.76
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,017.02	306.79
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,486.26	336.94
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	7,889.34	370.80
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,097.41	388.78
22 11 23 23-0015		Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*		
		Note: ODP motor.		
22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,168.35	190.31
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	1,985.66	190.31
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,993.31	194.02
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,027.58	198.25
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,034.97	201.95
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,072.45	209.47
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,539.45	230.63
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,280.97	278.76
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,453.47	306.79
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,036.29	336.94
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,467.89	370.80
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,403.62	388.78
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	5,734.32	408.36
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,161.78	448.87
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,769.50	476.06
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	8,600.09	528.95
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,103.94	634.85
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	11,630.01	740.85

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	43,310.63	9,739.03
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	49,381.20	9,739.03
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	89,415.35	15,029.38
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	115,400.25	19,478.04

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	52,304.06	9,739.03
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	73,438.63	9,739.03
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	109,351.80	15,029.38
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	157,879.82	19,478.04

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,671.65	422.93
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,308.70	528.66
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,199.51	581.53
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	6,858.01	634.40
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	13,757.44	687.26
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	11,819.58	740.13
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	20,401.63	792.99
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	18,773.73	845.86
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	20,399.58	898.73
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	24,333.88	951.59

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,271.97	422.93
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,434.43	528.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,563.85	581.53
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	6,897.35	634.40
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	5,835.34	634.40
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,093.71	687.26
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	9,842.73	740.13
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,360.27	740.13
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,525.71	740.13
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	11,717.45	792.99
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	12,714.62	845.86
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	14,781.21	898.73
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	27,907.39	951.59

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	721.31	237.90
		For Saddle Assembly, Add	*808.75*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	845.07	277.55
		For Saddle Assembly, Add	*808.75*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,004.29	317.20
		For Saddle Assembly, Add	*929.28*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,227.32	356.85
		For Saddle Assembly, Add	*1,399.59*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,476.34	396.50
		For Two Tie Down Bands, Add	*461.94*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,918.05	550.68
		For Two Tie Down Bands, Add	*495.02*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,884.78	642.47
		For Three Tie Down Bands, Add	*848.88*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,181.32	734.25
		For Three Tie Down Bands, Add	*855.97*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,227.76	826.03
		For Four Tie Down Bands, Add	*1,160.20*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,128.75	917.82
		For Four Tie Down Bands, Add	*1,642.32*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	8,790.65	1,009.59
		For Four Tie Down Bands, Add	*2,171.71*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,189.24	1,101.37
		For Four Tie Down Bands, Add	*2,351.33*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	14,647.02	1,468.50
		For Four Tie Down Bands, Add	*2,663.29*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	18,990.64	1,468.50
		For Five Tie Down Bands, Add	*4,191.73*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	779.77	317.20
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	945.65	337.03
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,040.62	356.85
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,266.00	396.50
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,440.28	475.80
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,701.99	555.10
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,406.44	734.25
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,119.13	917.82
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,205.24	1,101.37
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,513.49	1,284.93
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,152.32	1,468.50
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,070.02	1,652.07
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	12,553.16	1,835.62
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	13,833.06	2,019.18
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	15,949.58	2,202.75
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	18,025.93	2,386.32
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	22,347.46	2,569.87
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	26,901.92	2,937.00

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,185.65	
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,643.24	
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,066.62	
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	704.78	
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	831.86	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,042.96	
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,124.83	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	677.11	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,066.62	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,087.33	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,034.45	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,185.65	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,864.88	
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,151.30	
22 13 13 00-0017		**Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,568.50	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	2,202.07	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,352.06	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	857.90	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,126.49	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,197.91	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	805.36	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,362.62	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,154.04	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,127.64	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,568.50	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	783.76	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,101.04	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	676.55	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	429.48	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	563.27	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	598.94	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	429.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	680.79	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	577.02	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	564.32	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	776.34	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	685.83	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	819.33	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	640.09	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	397.42	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	466.89	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	618.03	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	639.00	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	389.44	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	640.09	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	671.47	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	625.11	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	685.70	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,065.34	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	662.12	
22 13 13 00-0056		**Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	858.36	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,077.53	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	744.09	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	456.08	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	644.73	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	677.38	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	438.57	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	753.49	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	697.03	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	673.44	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	858.36	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	428.75	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	538.25	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	372.36	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	228.09	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	322.34	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	338.44	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	219.27	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	376.65	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	348.55	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	337.17	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	421.74	
22 13 16		**Sanitary Waste and Vent Piping** *(22 13)*		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies *(22 13 16)*		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)* Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	38.48	6.66
		For Work In Restricted Working Space, Add	*4.89*	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	55.33	10.04
		For Work In Restricted Working Space, Add	*6.63*	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	71.86	12.79
		For Work In Restricted Working Space, Add	*8.53*	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	86.25	16.13
		For Work In Restricted Working Space, Add	*9.08*	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	101.78	17.58
		For Work In Restricted Working Space, Add	*10.08*	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	162.88	24.92
		For Work In Restricted Working Space, Add	*14.11*	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	243.28	24.92
		For Work In Restricted Working Space, Add	*15.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0010		**Aboveground No Hub Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	34.33	6.35
		For Work In Restricted Working Space, Add	*5.57*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.27	6.77
		For Work In Restricted Working Space, Add	*5.98*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	46.74	9.83
		For Work In Restricted Working Space, Add	*7.34*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	55.81	12.79
		For Work In Restricted Working Space, Add	*8.78*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	74.43	15.82
		For Work In Restricted Working Space, Add	*10.74*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	84.86	17.27
		For Work In Restricted Working Space, Add	*11.70*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	134.33	24.71
		For Work In Restricted Working Space, Add	*16.08*	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	192.95	28.08
		For Work In Restricted Working Space, Add	*18.69*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	27.84	6.66
		For Extra Heavy Pipe, Add	*7.46*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.02*	
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	40.57	10.04
		For Extra Heavy Pipe, Add	*10.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.76*	
		For Work In Restricted Working Space, Add	*4.53*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	52.33	12.79
		For Extra Heavy Pipe, Add	*13.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.96*	
		For Work In Restricted Working Space, Add	*5.77*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	70.86	16.13
		For Extra Heavy Pipe, Add	*19.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.21*	
		For Work In Restricted Working Space, Add	*7.24*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	83.23	17.58
		For Extra Heavy Pipe, Add	*23.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.32*	
		For Work In Restricted Working Space, Add	*7.90*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	125.89	24.92
		For Extra Heavy Pipe, Add	*37.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.87*	
		For Work In Restricted Working Space, Add	*11.21*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	189.42	28.08
		For Extra Heavy Pipe, Add	*61.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.10*	
		For Work In Restricted Working Space, Add	*12.62*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	270.14	37.43
		For Extra Heavy Pipe, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.80*	
		For Work In Restricted Working Space, Add	*16.82*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	380.16	44.90
		For Extra Heavy Pipe, Add	*131.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.19*	
22 13 16 00-0030		**Bell And Spigot Cast Iron Fittings** *(22 13 16 00-0019)*		
22 13 16 00-0031		**Bell And Spigot Cast Iron Long Sweeps** *(22 13 16 00-0030)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	111.09	30.34
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	190.27	38.17
		For Extra Heavy Fittings, Add	*46.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	253.51	50.75
		For Extra Heavy Fittings, Add	*62.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	401.04	68.24
		For Extra Heavy Fittings, Add	*104.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	797.75	87.70
		For Extra Heavy Fittings, Add	*233.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.43*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,092.43	107.88
		For Extra Heavy Fittings, Add	*325.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.53*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,676.75	150.58
		For Extra Heavy Fittings, Add	*507.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.29*	
		For Work In Restricted Working Space, Add	*67.73*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,120.70	209.67
		For Extra Heavy Fittings, Add	*982.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.72*	
		For Work In Restricted Working Space, Add	*94.31*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	93.77	30.34
		For Extra Heavy Fittings, Add	*16.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	161.20	38.17
		For Extra Heavy Fittings, Add	*36.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	220.82	50.75
		For Extra Heavy Fittings, Add	*50.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	337.22	58.01
		For Extra Heavy Fittings, Add	*87.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.35*	
		For Work In Restricted Working Space, Add	*26.08*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	407.27	68.24
		For Extra Heavy Fittings, Add	*106.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	672.46	87.70
		For Extra Heavy Fittings, Add	*189.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.43*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	985.53	107.88
		For Extra Heavy Fittings, Add	*288.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.53*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,636.89	150.58
		For Extra Heavy Fittings, Add	*493.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.29*	
		For Work In Restricted Working Space, Add	*67.73*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	83.94	30.24
		For Extra Heavy Fittings, Add	*13.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.61*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	128.14	34.04
		For Extra Heavy Fittings, Add	*26.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.32*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	183.66	45.35
		For Extra Heavy Fittings, Add	*40.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.40*	
		For Work In Restricted Working Space, Add	*20.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	232.99	51.81
		For Extra Heavy Fittings, Add	*54.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.29*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	280.25	62.04
		For Extra Heavy Fittings, Add	*65.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.93*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	585.48	80.75
		For Extra Heavy Fittings, Add	*162.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.05*	
		For Work In Restricted Working Space, Add	*36.31*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	865.49	98.00
		For Extra Heavy Fittings, Add	*251.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.35*	
		For Work In Restricted Working Space, Add	*44.07*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,142.37	115.67
		For Extra Heavy Fittings, Add	*339.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.04*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,930.21	182.44
		For Extra Heavy Fittings, Add	*929.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.67*	
		For Work In Restricted Working Space, Add	*82.04*	
22 13 16 00-0059		**Bell And Spigot Cast Iron 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	76.27	30.34
		For Extra Heavy Fittings, Add	*10.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	120.69	38.17
		For Extra Heavy Fittings, Add	*22.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	172.47	50.75
		For Extra Heavy Fittings, Add	*33.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	218.71	64.84
		For Extra Heavy Fittings, Add	*42.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.15*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	253.17	72.28
		For Extra Heavy Fittings, Add	*50.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	507.21	96.74
		For Extra Heavy Fittings, Add	*126.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.25*	
		For Work In Restricted Working Space, Add	*43.51*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	710.93	119.35
		For Extra Heavy Fittings, Add	*186.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.95*	
		For Work In Restricted Working Space, Add	*53.69*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,152.45	154.78
		For Extra Heavy Fittings, Add	*322.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.60*	
		For Work In Restricted Working Space, Add	*69.60*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,219.58	182.44
		For Extra Heavy Fittings, Add	*681.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.67*	
		For Work In Restricted Working Space, Add	*82.04*	
22 13 16 00-0069		**Bell And Spigot Cast Iron Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	131.29	67.77
		For Extra Heavy Fittings, Add	*10.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.50*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	166.78	74.23
		For Extra Heavy Fittings, Add	*19.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	219.63	97.28
		For Extra Heavy Fittings, Add	*25.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	290.35	111.58
		For Extra Heavy Fittings, Add	*43.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.37*	
		For Work In Restricted Working Space, Add	*50.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	365.00	132.25
		For Extra Heavy Fittings, Add	*58.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.92*	
		For Work In Restricted Working Space, Add	*59.49*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	673.62	176.65
		For Extra Heavy Fittings, Add	*143.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.24*	
		For Work In Restricted Working Space, Add	*79.46*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	949.21	200.41
		For Extra Heavy Fittings, Add	*227.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.02*	
		For Work In Restricted Working Space, Add	*90.13*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,409.48	243.95
		For Extra Heavy Fittings, Add	*365.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.29*	
		For Work In Restricted Working Space, Add	*109.72*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,197.57	273.71
		For Extra Heavy Fittings, Add	*625.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.52*	
		For Work In Restricted Working Space, Add	*123.10*	
22 13 16 00-0079		Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*		
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	212.77	70.84
		For Extra Heavy Fittings, Add	*37.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.87*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	258.78	87.55
		For Extra Heavy Fittings, Add	*44.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.39*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	289.83	89.76
		For Extra Heavy Fittings, Add	*54.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.73*	
		For Work In Restricted Working Space, Add	*40.40*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	436.21	118.50
		For Extra Heavy Fittings, Add	*90.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	447.59	120.68
		For Extra Heavy Fittings, Add	*93.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.29*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	468.28	128.75
		For Extra Heavy Fittings, Add	*96.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.65*	
		For Work In Restricted Working Space, Add	*57.91*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	692.66	142.06
		For Extra Heavy Fittings, Add	*167.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.89*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	724.43	144.79
		For Extra Heavy Fittings, Add	*177.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.85*	
		For Work In Restricted Working Space, Add	*65.11*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	741.52	151.63
		For Extra Heavy Fittings, Add	*179.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.37*	
		For Work In Restricted Working Space, Add	*68.21*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	877.32	168.67
		For Extra Heavy Fittings, Add	*218.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.65*	
		For Work In Restricted Working Space, Add	*75.88*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,087.34	158.04
		For Extra Heavy Fittings, Add	*297.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.09*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,131.05	164.98
		For Extra Heavy Fittings, Add	*309.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.37*	
		For Work In Restricted Working Space, Add	*74.22*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,237.17	182.44
		For Extra Heavy Fittings, Add	*337.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.67*	
		For Work In Restricted Working Space, Add	*82.04*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,641.08	193.48
		For Extra Heavy Fittings, Add	*472.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.50*	
		For Work In Restricted Working Space, Add	*87.02*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,689.73	193.48
		For Extra Heavy Fittings, Add	*489.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.50*	
		For Work In Restricted Working Space, Add	*87.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,757.74	209.67
		For Extra Heavy Fittings, Add	*505.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.72*	
		For Work In Restricted Working Space, Add	*94.31*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,066.99	220.08
		For Extra Heavy Fittings, Add	*607.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.49*	
		For Work In Restricted Working Space, Add	*98.96*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,517.12	226.60
		For Extra Heavy Fittings, Add	*762.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.99*	
		For Work In Restricted Working Space, Add	*101.92*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,180.02	213.67
		For Extra Heavy Fittings, Add	*1,350.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.02*	
		For Work In Restricted Working Space, Add	*96.10*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,361.60	231.22
		For Extra Heavy Fittings, Add	*1,405.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.34*	
		For Work In Restricted Working Space, Add	*104.03*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,450.40	241.21
		For Extra Heavy Fittings, Add	*1,431.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.08*	
		For Work In Restricted Working Space, Add	*108.50*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,553.75	249.42
		For Extra Heavy Fittings, Add	*1,462.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.69*	
		For Work In Restricted Working Space, Add	*112.16*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,667.93	263.93
		For Extra Heavy Fittings, Add	*1,495.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.78*	
		For Work In Restricted Working Space, Add	*118.70*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	143.97	67.77
		For Extra Heavy Fittings, Add	*14.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.50*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	174.60	74.23
		For Extra Heavy Fittings, Add	*22.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	233.24	97.28
		For Extra Heavy Fittings, Add	*30.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	333.88	117.06
		For Extra Heavy Fittings, Add	*55.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.77*	
		For Work In Restricted Working Space, Add	*52.63*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	418.25	145.18
		For Extra Heavy Fittings, Add	*70.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.88*	
		For Work In Restricted Working Space, Add	*65.29*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	773.52	190.22
		For Extra Heavy Fittings, Add	*170.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.26*	
		For Work In Restricted Working Space, Add	*85.55*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,118.96	249.42
		For Extra Heavy Fittings, Add	*260.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.69*	
		For Work In Restricted Working Space, Add	*112.16*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,501.74	320.61
		For Extra Heavy Fittings, Add	*357.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.03*	
		For Work In Restricted Working Space, Add	*144.21*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	153.72	70.84
		For Extra Heavy Fittings, Add	*16.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.87*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	218.51	87.55
		For Extra Heavy Fittings, Add	*30.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.39*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	236.69	89.76
		For Extra Heavy Fittings, Add	*35.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.73*	
		For Work In Restricted Working Space, Add	*40.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	360.00	118.50
		For Extra Heavy Fittings, Add	*63.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	375.24	120.68
		For Extra Heavy Fittings, Add	*68.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.29*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	397.69	128.75
		For Extra Heavy Fittings, Add	*71.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.65*	
		For Work In Restricted Working Space, Add	*57.91*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	551.11	142.06
		For Extra Heavy Fittings, Add	*118.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.65*	
		For Work In Restricted Working Space, Add	*63.89*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	565.49	151.63
		For Extra Heavy Fittings, Add	*118.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.37*	
		For Work In Restricted Working Space, Add	*68.21*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	717.12	168.67
		For Extra Heavy Fittings, Add	*162.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.65*	
		For Work In Restricted Working Space, Add	*75.88*	
22 13 16 00-0122		**Bell And Spigot Cast Iron Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	238.54	81.10
		For Extra Heavy Fittings, Add	*40.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.08*	
		For Work In Restricted Working Space, Add	*36.46*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	349.67	102.24
		For Extra Heavy Fittings, Add	*68.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.66*	
		For Work In Restricted Working Space, Add	*45.97*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	475.95	129.31
		For Extra Heavy Fittings, Add	*98.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.70*	
		For Work In Restricted Working Space, Add	*58.18*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	930.28	203.19
		For Extra Heavy Fittings, Add	*218.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.23*	
		For Work In Restricted Working Space, Add	*91.40*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,880.78	238.79
		For Extra Heavy Fittings, Add	*532.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.90*	
		For Work In Restricted Working Space, Add	*107.39*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,498.53	267.18
		For Extra Heavy Fittings, Add	*734.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.03*	
		For Work In Restricted Working Space, Add	*120.17*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,715.75	320.61
		For Extra Heavy Fittings, Add	*432.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.03*	
		For Work In Restricted Working Space, Add	*144.21*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,908.06	336.49
		For Extra Heavy Fittings, Add	*1,541.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.24*	
		For Work In Restricted Working Space, Add	*151.42*	
22 13 16 00-0131		**Bell And Spigot Cast Iron Reducing Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	212.84	95.90
		For Extra Heavy Fittings, Add	*24.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.19*	
		For Work In Restricted Working Space, Add	*43.14*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	247.54	110.17
		For Extra Heavy Fittings, Add	*28.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.56*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	268.71	115.56
		For Extra Heavy Fittings, Add	*33.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.00*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	353.65	140.95
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.56*	
		For Work In Restricted Working Space, Add	*63.38*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	375.25	146.32
		For Extra Heavy Fittings, Add	*54.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.97*	
		For Work In Restricted Working Space, Add	*65.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	432.81	159.56
		For Extra Heavy Fittings, Add	*67.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.96*	
		For Work In Restricted Working Space, Add	*71.76*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	705.67	184.01
		For Extra Heavy Fittings, Add	*150.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.79*	
		For Work In Restricted Working Space, Add	*82.74*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	766.47	217.76
		For Extra Heavy Fittings, Add	*153.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.33*	
		For Work In Restricted Working Space, Add	*97.97*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	751.63	196.84
		For Extra Heavy Fittings, Add	*159.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.76*	
		For Work In Restricted Working Space, Add	*88.55*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	875.76	231.22
		For Extra Heavy Fittings, Add	*185.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.34*	
		For Work In Restricted Working Space, Add	*104.03*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,083.27	252.04
		For Extra Heavy Fittings, Add	*246.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.90*	
		For Work In Restricted Working Space, Add	*113.37*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,106.42	257.83
		For Extra Heavy Fittings, Add	*251.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.33*	
		For Work In Restricted Working Space, Add	*115.97*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,420.44	280.54
		For Extra Heavy Fittings, Add	*349.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.03*	
		For Work In Restricted Working Space, Add	*126.18*	
22 13 16 00-0145		**Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	196.60	81.10
		For Extra Heavy Fittings, Add	*26.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.08*	
		For Work In Restricted Working Space, Add	*36.46*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	264.89	108.48
		For Extra Heavy Fittings, Add	*35.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.13*	
		For Work In Restricted Working Space, Add	*48.80*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	347.17	135.65
		For Extra Heavy Fittings, Add	*50.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.17*	
		For Work In Restricted Working Space, Add	*61.00*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	786.42	227.09
		For Extra Heavy Fittings, Add	*156.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.02*	
		For Work In Restricted Working Space, Add	*102.14*	
22 13 16 00-0150		**Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	264.45	97.28
		For Extra Heavy Fittings, Add	*41.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	314.70	110.17
		For Extra Heavy Fittings, Add	*52.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.56*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	353.48	122.65
		For Extra Heavy Fittings, Add	*59.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.19*	
		For Work In Restricted Working Space, Add	*55.15*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	730.05	169.38
		For Extra Heavy Fittings, Add	*166.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.70*	
		For Work In Restricted Working Space, Add	*76.19*	
22 13 16 00-0155		**Bell And Spigot Cast Iron Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	160.26	67.88
		For Extra Heavy Fittings, Add	*20.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.09*	
		For Work In Restricted Working Space, Add	*30.53*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	182.73	74.23
		For Extra Heavy Fittings, Add	*25.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	298.96	90.93
		For Extra Heavy Fittings, Add	*56.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.92*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	444.21	103.20
		For Extra Heavy Fittings, Add	*101.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.74*	
		For Work In Restricted Working Space, Add	*46.44*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	532.90	123.78
		For Extra Heavy Fittings, Add	*121.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.28*	
		For Work In Restricted Working Space, Add	*55.68*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,156.42	161.41
		For Extra Heavy Fittings, Add	*320.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.10*	
		For Work In Restricted Working Space, Add	*72.60*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,743.46	196.84
		For Extra Heavy Fittings, Add	*506.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.76*	
		For Work In Restricted Working Space, Add	*88.55*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,609.11	231.22
		For Extra Heavy Fittings, Add	*791.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.34*	
		For Work In Restricted Working Space, Add	*104.03*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	218.31	70.84
		For Extra Heavy Fittings, Add	*39.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.87*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	258.63	83.00
		For Extra Heavy Fittings, Add	*46.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.22*	
		For Work In Restricted Working Space, Add	*37.32*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	271.56	83.00
		For Extra Heavy Fittings, Add	*51.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.22*	
		For Work In Restricted Working Space, Add	*37.32*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	418.96	118.50
		For Extra Heavy Fittings, Add	*84.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	436.51	120.68
		For Extra Heavy Fittings, Add	*89.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.29*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	473.82	128.75
		For Extra Heavy Fittings, Add	*98.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.65*	
		For Work In Restricted Working Space, Add	*57.91*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	814.80	151.63
		For Extra Heavy Fittings, Add	*205.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.37*	
		For Work In Restricted Working Space, Add	*68.21*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,025.72	168.67
		For Extra Heavy Fittings, Add	*270.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.65*	
		For Work In Restricted Working Space, Add	*75.88*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	135.85	67.77
		For Extra Heavy Fittings, Add	*11.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.50*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	170.78	74.23
		For Extra Heavy Fittings, Add	*20.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	226.40	97.28
		For Extra Heavy Fittings, Add	*28.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	295.70	117.06
		For Extra Heavy Fittings, Add	*42.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.77*	
		For Work In Restricted Working Space, Add	*52.63*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	372.56	145.18
		For Extra Heavy Fittings, Add	*54.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.88*	
		For Work In Restricted Working Space, Add	*65.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	645.69	190.22
		For Extra Heavy Fittings, Add	*126.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.26*	
		For Work In Restricted Working Space, Add	*85.55*	
22 13 16 00-0180		**Bell And Spigot Cast Iron Tapped Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	139.85	67.77
		For Extra Heavy Fittings, Add	*13.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.50*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	154.47	74.23
		For Extra Heavy Fittings, Add	*15.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	199.00	97.28
		For Extra Heavy Fittings, Add	*18.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0184		**Bell And Spigot Cast Iron Tapped Sanitary Crosses** *(22 13 16 00-0030)*		
22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	142.37	67.77
		For Extra Heavy Fittings, Add	*14.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.08*	
		For Work In Restricted Working Space, Add	*30.50*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	159.27	74.23
		For Extra Heavy Fittings, Add	*16.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	211.07	97.28
		For Extra Heavy Fittings, Add	*22.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0188		**Bell And Spigot Cast Iron Reducers** *(22 13 16 00-0030)*		
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	78.76	38.17
		For Extra Heavy Fittings, Add	*7.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	98.13	50.33
		For Extra Heavy Fittings, Add	*7.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.78*	
		For Work In Restricted Working Space, Add	*22.66*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	105.44	50.75
		For Extra Heavy Fittings, Add	*10.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	136.67	62.67
		For Extra Heavy Fittings, Add	*14.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.70*	
		For Work In Restricted Working Space, Add	*28.20*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	143.21	63.50
		For Extra Heavy Fittings, Add	*16.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.76*	
		For Work In Restricted Working Space, Add	*28.57*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	147.90	64.84
		For Extra Heavy Fittings, Add	*17.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.15*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	193.83	66.80
		For Extra Heavy Fittings, Add	*32.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.01*	
		For Work In Restricted Working Space, Add	*30.05*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	217.44	81.91
		For Extra Heavy Fittings, Add	*33.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.14*	
		For Work In Restricted Working Space, Add	*36.84*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	223.17	84.01
		For Extra Heavy Fittings, Add	*34.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.80*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	230.39	87.70
		For Extra Heavy Fittings, Add	*34.64*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.43*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	289.21	98.42
		For Extra Heavy Fittings, Add	*49.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.38*	
		For Work In Restricted Working Space, Add	*44.27*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	304.98	103.37
		For Extra Heavy Fittings, Add	*52.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	325.26	107.88
		For Extra Heavy Fittings, Add	*57.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.53*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	406.47	116.93
		For Extra Heavy Fittings, Add	*80.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.76*	
		For Work In Restricted Working Space, Add	*52.58*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	452.46	136.80
		For Extra Heavy Fittings, Add	*86.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.26*	
		For Work In Restricted Working Space, Add	*61.55*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	488.29	155.83
		For Extra Heavy Fittings, Add	*89.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.68*	
		For Work In Restricted Working Space, Add	*70.10*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	533.76	179.49
		For Extra Heavy Fittings, Add	*92.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.46*	
		For Work In Restricted Working Space, Add	*80.73*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	705.01	179.49
		For Extra Heavy Fittings, Add	*152.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.46*	
		For Work In Restricted Working Space, Add	*80.73*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	749.81	193.48
		For Extra Heavy Fittings, Add	*160.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.50*	
		For Work In Restricted Working Space, Add	*87.02*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	780.42	203.99
		For Extra Heavy Fittings, Add	*166.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.30*	
		For Work In Restricted Working Space, Add	*91.77*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	821.95	217.76
		For Extra Heavy Fittings, Add	*173.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.33*	
		For Work In Restricted Working Space, Add	*97.97*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	82.43	30.34
		For Extra Heavy Fittings, Add	*12.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	110.91	38.17
		For Extra Heavy Fittings, Add	*18.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	151.38	50.75
		For Extra Heavy Fittings, Add	*26.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	248.40	58.01
		For Extra Heavy Fittings, Add	*56.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.35*	
		For Work In Restricted Working Space, Add	*26.08*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	334.81	68.24
		For Extra Heavy Fittings, Add	*81.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	752.13	87.70
		For Extra Heavy Fittings, Add	*217.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.43*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	832.35	107.88
		For Extra Heavy Fittings, Add	*234.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.09*	
		For Work In Restricted Working Space, Add	*48.53*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	96.47	30.34
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	138.49	38.17
		For Extra Heavy Fittings, Add	*28.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	202.67	50.75
		For Extra Heavy Fittings, Add	*44.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	339.71	64.84
		For Extra Heavy Fittings, Add	*84.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.15*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	360.03	72.28
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.53*	
22 13 16 00-0224		**Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)*		
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	221.66	73.27
		For Above Ground Cast Iron Pipe Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	296.02	96.32
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.74*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	409.42	112.61
		For Above Ground Cast Iron Pipe Installation, Add	*8.51*	
		For Work In Restricted Working Space, Add	*51.07*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	836.89	127.61
		For Above Ground Cast Iron Pipe Installation, Add	*9.65*	
		For Work In Restricted Working Space, Add	*57.91*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,783.50	149.94
		For Above Ground Cast Iron Pipe Installation, Add	*11.37*	
		For Work In Restricted Working Space, Add	*68.21*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,013.17	167.30
		For Above Ground Cast Iron Pipe Installation, Add	*12.65*	
		For Work In Restricted Working Space, Add	*75.88*	
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	282.18	101.19
		For Above Ground Cast Iron Pipe Installation, Add	*7.66*	
		For Work In Restricted Working Space, Add	*45.97*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	387.34	127.72
		For Above Ground Cast Iron Pipe Installation, Add	*9.70*	
		For Work In Restricted Working Space, Add	*58.18*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	930.62	157.69
		For Above Ground Cast Iron Pipe Installation, Add	*11.96*	
		For Work In Restricted Working Space, Add	*71.76*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,078.26	190.89
		For Above Ground Cast Iron Pipe Installation, Add	*14.46*	
		For Work In Restricted Working Space, Add	*86.78*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	2,994.94	181.80
		For Above Ground Cast Iron Pipe Installation, Add	*13.79*	
		For Work In Restricted Working Space, Add	*82.74*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,284.06	215.88
		For Above Ground Cast Iron Pipe Installation, Add	*16.33*	
		For Work In Restricted Working Space, Add	*97.97*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,373.55	249.10
		For Above Ground Cast Iron Pipe Installation, Add	*18.90*	
		For Work In Restricted Working Space, Add	*113.37*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,062.07	288.00
		For Above Ground Cast Iron Pipe Installation, Add	*21.82*	
		For Work In Restricted Working Space, Add	*130.89*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,835.36	333.12
		For Above Ground Cast Iron Pipe Installation, Add	*25.25*	
		For Work In Restricted Working Space, Add	*151.48*	
22 13 16 00-0241		**Bell And Spigot Cast Iron Scission Joint Fittings** *(22 13 16 00-0030)*		
22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	177.24	
		For Above Ground Cast Iron Pipe Installation, Add	*2.27*	
		For Work In Restricted Working Space, Add	*13.61*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	246.08	
		For Above Ground Cast Iron Pipe Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.29*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	282.85	
		For Above Ground Cast Iron Pipe Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.48*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	350.00	
		For Above Ground Cast Iron Pipe Installation, Add	*3.97*	
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	425.10	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.74*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	813.61	
		For Above Ground Cast Iron Pipe Installation, Add	*6.05*	
		For Work In Restricted Working Space, Add	*36.32*	
22 13 16 00-0248		**Cut And Prepare Existing In-Place Cast Iron Pipe** *(22 13 16 00-0019)*		
		Note: For use when connecting pipe to an existing in-place system.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	12.63	
		For Above Ground Cast Iron Pipe Installation, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	13.78	
		For Above Ground Cast Iron Pipe Installation, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.13*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	17.22	
		For Above Ground Cast Iron Pipe Installation, Add	*0.86*	
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	20.66	
		For Above Ground Cast Iron Pipe Installation, Add	*1.03*	
		For Work In Restricted Working Space, Add	*6.20*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	27.56	
		For Above Ground Cast Iron Pipe Installation, Add	*1.38*	
		For Work In Restricted Working Space, Add	*8.27*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	32.15	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	37.89	
		For Above Ground Cast Iron Pipe Installation, Add	*1.89*	
		For Work In Restricted Working Space, Add	*11.37*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	43.63	
		For Above Ground Cast Iron Pipe Installation, Add	*2.18*	
		For Work In Restricted Working Space, Add	*13.09*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material	7.77	
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	15.65	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.17	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.34	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.40	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	8.95	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	19.74	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	30.28	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	38.57	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	45.81	

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	19.11	6.35
		For Below Ground Installation, Add	*0.48*	
		For Work In Restricted Working Space, Add	*2.86*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	20.28	6.77
		For Below Ground Installation, Add	*0.51*	
		For Work In Restricted Working Space, Add	*3.07*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	28.71	9.83
		For Below Ground Installation, Add	*0.74*	
		For Work In Restricted Working Space, Add	*4.44*	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	37.25	12.79
		For Below Ground Installation, Add	*0.96*	
		For Work In Restricted Working Space, Add	*5.77*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	48.84	15.82
		For Below Ground Installation, Add	*1.19*	
		For Work In Restricted Working Space, Add	*7.12*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	56.91	17.27
		For Below Ground Installation, Add	*1.29*	
		For Work In Restricted Working Space, Add	*7.76*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	86.72	24.71
		For Below Ground Installation, Add	*1.85*	
		For Work In Restricted Working Space, Add	*11.09*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	124.53	28.08
		For Below Ground Installation, Add	*2.10*	
		For Work In Restricted Working Space, Add	*12.62*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	69.26	28.76
		For Below Ground Installation, Add	*2.16*	
		For Work In Restricted Working Space, Add	*12.95*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	71.75	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	85.11	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	118.19	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	170.28	52.22
		For Below Ground Installation, Add	*3.91*	
		For Work In Restricted Working Space, Add	*23.48*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	201.86	62.25
		For Below Ground Installation, Add	*4.67*	
		For Work In Restricted Working Space, Add	*28.02*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	416.72	80.13
		For Below Ground Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.05*	
22 13 16 00-0287		**No Hub Cast Iron Reducing Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	112.74	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	170.83	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0290		**No Hub Cast Iron Short Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	66.19	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	80.71	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	115.88	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	171.15	52.22
		For Below Ground Installation, Add	*3.91*	
		For Work In Restricted Working Space, Add	*23.48*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	188.38	62.25
		For Below Ground Installation, Add	*4.67*	
		For Work In Restricted Working Space, Add	*28.02*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	375.97	80.13
		For Below Ground Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.05*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	618.18	112.20
		For Below Ground Installation, Add	*8.41*	
		For Work In Restricted Working Space, Add	*50.47*	
22 13 16 00-0298		**No Hub Cast Iron 1/4 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	59.60	28.76
		For Below Ground Installation, Add	*2.16*	
		For Work In Restricted Working Space, Add	*12.95*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	62.37	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	74.51	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	102.18	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	154.13	52.22
		For Below Ground Installation, Add	*3.91*	
		For Work In Restricted Working Space, Add	*23.48*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	177.49	62.25
		For Below Ground Installation, Add	*4.67*	
		For Work In Restricted Working Space, Add	*28.02*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	344.24	80.13
		For Below Ground Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.05*	
22 13 16 00-0306		**No Hub Cast Iron 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	56.07	28.76
		For Below Ground Installation, Add	*2.16*	
		For Work In Restricted Working Space, Add	*12.95*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	58.19	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	70.40	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	92.95	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	157.16	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	282.46	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	446.16	108.48
		For Below Ground Installation, Add	*8.13*	
		For Work In Restricted Working Space, Add	*48.80*	
22 13 16 00-0314		**No Hub Cast Iron Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	90.71	45.25
		For Below Ground Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.33*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	115.16	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	132.42	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	183.66	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	263.81	101.65
		For Below Ground Installation, Add	*7.62*	
		For Work In Restricted Working Space, Add	*45.72*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	313.01	120.68
		For Below Ground Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.29*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	550.60	160.36
		For Below Ground Installation, Add	*12.02*	
		For Work In Restricted Working Space, Add	*72.11*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	938.82	178.12
		For Below Ground Installation, Add	*13.35*	
		For Work In Restricted Working Space, Add	*80.12*	
22 13 16 00-0323		**No Hub Cast Iron Reducing Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	112.77	58.57
		For Below Ground Installation, Add	*4.39*	
		For Work In Restricted Working Space, Add	*26.33*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	125.71	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	143.32	74.23
		For Below Ground Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	166.57	82.47
		For Below Ground Installation, Add	*6.18*	
		For Work In Restricted Working Space, Add	*37.10*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	225.19	102.68
		For Below Ground Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.20*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	241.13	107.33
		For Below Ground Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	275.92	125.43
		For Below Ground Installation, Add	*9.40*	
		For Work In Restricted Working Space, Add	*56.40*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	366.66	126.07
		For Below Ground Installation, Add	*9.45*	
		For Work In Restricted Working Space, Add	*56.71*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	427.08	138.59
		For Below Ground Installation, Add	*10.39*	
		For Work In Restricted Working Space, Add	*62.31*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	685.95	147.64
		For Below Ground Installation, Add	*11.07*	
		For Work In Restricted Working Space, Add	*66.41*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	723.03	158.04
		For Below Ground Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.09*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	836.71	168.77
		For Below Ground Installation, Add	*12.65*	
		For Work In Restricted Working Space, Add	*75.90*	
22 13 16 00-0336		**No Hub Cast Iron Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	102.12	52.66
		For Below Ground Installation, Add	*3.95*	
		For Work In Restricted Working Space, Add	*23.67*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	116.10	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	139.49	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	203.64	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	383.26	135.65
		For Below Ground Installation, Add	*10.17*	
		For Work In Restricted Working Space, Add	*61.00*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	712.39	174.03
		For Below Ground Installation, Add	*13.05*	
		For Work In Restricted Working Space, Add	*78.28*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	833.81	210.41
		For Below Ground Installation, Add	*15.77*	
		For Work In Restricted Working Space, Add	*94.63*	
22 13 16 00-0344		**No Hub Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	117.25	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	129.25	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	150.39	74.23
		For Below Ground Installation, Add	*5.57*	
		For Work In Restricted Working Space, Add	*33.39*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	173.42	82.47
		For Below Ground Installation, Add	*6.18*	
		For Work In Restricted Working Space, Add	*37.10*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	245.74	102.68
		For Below Ground Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.20*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	277.04	107.33
		For Below Ground Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	307.36	125.43
		For Below Ground Installation, Add	*9.40*	
		For Work In Restricted Working Space, Add	*56.40*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	425.43	126.07
		For Below Ground Installation, Add	*9.45*	
		For Work In Restricted Working Space, Add	*56.71*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	561.44	138.59
		For Below Ground Installation, Add	*10.39*	
		For Work In Restricted Working Space, Add	*62.31*	
22 13 16 00-0354		**No Hub Cast Iron Double Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	146.68	76.23
		For Below Ground Installation, Add	*5.72*	
		For Work In Restricted Working Space, Add	*34.29*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	198.84	92.84
		For Below Ground Installation, Add	*6.96*	
		For Work In Restricted Working Space, Add	*41.74*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	275.02	101.50
		For Below Ground Installation, Add	*7.61*	
		For Work In Restricted Working Space, Add	*45.64*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	439.72	152.12
		For Below Ground Installation, Add	*11.40*	
		For Work In Restricted Working Space, Add	*68.39*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	879.31	203.99
		For Below Ground Installation, Add	*15.30*	
		For Work In Restricted Working Space, Add	*91.77*	
22 13 16 00-0360		**No Hub Cast Iron Reducing Double Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	177.82	84.48
		For Below Ground Installation, Add	*6.33*	
		For Work In Restricted Working Space, Add	*37.99*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	214.64	97.28
		For Below Ground Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.75*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	236.59	106.05
		For Below Ground Installation, Add	*7.95*	
		For Work In Restricted Working Space, Add	*47.70*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	372.77	134.12
		For Below Ground Installation, Add	*10.05*	
		For Work In Restricted Working Space, Add	*60.32*	
22 13 16 00-0365		**No Hub Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	194.07	91.57
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	240.04	101.50
		For Below Ground Installation, Add	*7.61*	
		For Work In Restricted Working Space, Add	*45.64*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	369.29	134.38
		For Below Ground Installation, Add	*10.07*	
		For Work In Restricted Working Space, Add	*60.42*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	506.99	207.45
		For Below Ground Installation, Add	*15.55*	
		For Work In Restricted Working Space, Add	*93.29*	
22 13 16 00-0370		**No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	183.98	78.77
		For Below Ground Installation, Add	*5.91*	
		For Work In Restricted Working Space, Add	*35.44*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	213.18	91.57
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.19*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	260.25	100.03
		For Below Ground Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*44.99*	
22 13 16 00-0374		**No Hub Cast Iron Sanitary Tees** *(22 13 16 00-0278)*		
22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	88.28	44.31
		For Below Ground Installation, Add	*3.33*	
		For Work In Restricted Working Space, Add	*19.95*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	116.32	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	129.82	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	177.75	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	265.04	101.65
		For Below Ground Installation, Add	*7.62*	
		For Work In Restricted Working Space, Add	*45.72*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	312.14	120.68
		For Below Ground Installation, Add	*9.05*	
		For Work In Restricted Working Space, Add	*54.29*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	623.51	160.36
		For Below Ground Installation, Add	*12.02*	
		For Work In Restricted Working Space, Add	*72.11*	
22 13 16 00-0382		**No Hub Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0278)*		
22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	99.36	50.01
		For Below Ground Installation, Add	*3.75*	
		For Work In Restricted Working Space, Add	*22.49*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	114.79	58.57
		For Below Ground Installation, Add	*4.39*	
		For Work In Restricted Working Space, Add	*26.33*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	118.98	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	146.89	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	159.08	83.00
		For Below Ground Installation, Add	*6.22*	
		For Work In Restricted Working Space, Add	*37.32*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	165.86	83.00
		For Below Ground Installation, Add	*6.22*	
		For Work In Restricted Working Space, Add	*37.32*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	225.33	96.58
		For Below Ground Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.43*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	234.77	96.58
		For Below Ground Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.43*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	235.93	96.58
		For Below Ground Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.43*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	244.64	100.62
		For Below Ground Installation, Add	*7.54*	
		For Work In Restricted Working Space, Add	*45.24*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	488.21	135.23
		For Below Ground Installation, Add	*10.14*	
		For Work In Restricted Working Space, Add	*60.81*	
22 13 16 00-0394		**No Hub Cast Iron Sanitary Tapped Tees** *(22 13 16 00-0278)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	69.44	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	80.93	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	98.21	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0398		**No Hub Cast Iron Cleanout Tees** *(22 13 16 00-0278)*		
22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	65.18	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	84.03	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	125.25	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	211.97	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0403		**No Hub Cast Iron Two-Way Cleanout Tees** *(22 13 16 00-0278)*		
22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	295.06	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	352.14	133.96
		For Below Ground Installation, Add	*10.04*	
		For Work In Restricted Working Space, Add	*60.27*	
22 13 16 00-0406		**No Hub Cast Iron Cleanout Plugs** *(22 13 16 00-0278)*		
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	53.57	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	65.07	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	93.81	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	148.50	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	197.87	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0412		**No Hub Cast Iron Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	118.28	59.21
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.66*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	128.72	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	158.60	67.14
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.21*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	240.99	88.18
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.65*	
22 13 16 00-0417	EA	3" x 2" No Hub Cast Iron Sanitary Cross	170.18	78.77
		For Below Ground Installation, Add	*5.91*	
		For Work In Restricted Working Space, Add	*35.43*	
22 13 16 00-0418	EA	4" x 2" No Hub Cast Iron Sanitary Cross	195.15	81.10
		For Below Ground Installation, Add	*6.08*	
		For Work In Restricted Working Space, Add	*36.48*	
22 13 16 00-0419	EA	4" x 3" No Hub Cast Iron Sanitary Cross	215.68	84.70
		For Below Ground Installation, Add	*6.35*	
		For Work In Restricted Working Space, Add	*38.07*	
22 13 16 00-0420		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0421	EA	3" x 2" No Hub Cast Iron Reducer	104.27	61.32
		For Below Ground Installation, Add	*4.60*	
		For Work In Restricted Working Space, Add	*27.58*	
22 13 16 00-0422	EA	4" x 2" No Hub Cast Iron Reducer	143.21	83.00
		For Below Ground Installation, Add	*6.22*	
		For Work In Restricted Working Space, Add	*37.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0423	EA	4" x 3" No Hub Cast Iron Reducer	143.79	83.00
		For Below Ground Installation, Add	*6.22*	
		For Work In Restricted Working Space, Add	*37.32*	
22 13 16 00-0424	EA	5" x 2" No Hub Cast Iron Reducer	172.39	96.58
		For Below Ground Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.43*	
22 13 16 00-0425	EA	5" x 3" No Hub Cast Iron Reducer	176.21	96.58
		For Below Ground Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.43*	
22 13 16 00-0426	EA	5" x 4" No Hub Cast Iron Reducer	177.73	96.58
		For Below Ground Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.43*	
22 13 16 00-0427	EA	6" x 3" No Hub Cast Iron Reducer	208.53	107.33
		For Below Ground Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0428	EA	6" x 4" No Hub Cast Iron Reducer	209.11	107.33
		For Below Ground Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0429	EA	6" x 5" No Hub Cast Iron Reducer	210.84	107.33
		For Below Ground Installation, Add	*8.04*	
		For Work In Restricted Working Space, Add	*48.26*	
22 13 16 00-0430	EA	8" x 2" No Hub Cast Iron Reducer	287.86	149.63
		For Below Ground Installation, Add	*11.22*	
		For Work In Restricted Working Space, Add	*67.30*	
22 13 16 00-0431	EA	8" x 3" No Hub Cast Iron Reducer	292.25	149.63
		For Below Ground Installation, Add	*11.22*	
		For Work In Restricted Working Space, Add	*67.30*	
22 13 16 00-0432	EA	8" x 4" No Hub Cast Iron Reducer	299.32	149.63
		For Below Ground Installation, Add	*11.22*	
		For Work In Restricted Working Space, Add	*67.30*	
22 13 16 00-0433	EA	8" x 5" No Hub Cast Iron Reducer	306.68	149.63
		For Below Ground Installation, Add	*11.22*	
		For Work In Restricted Working Space, Add	*67.30*	
22 13 16 00-0434	EA	8" x 6" No Hub Cast Iron Reducer	307.54	149.63
		For Below Ground Installation, Add	*11.22*	
		For Work In Restricted Working Space, Add	*67.30*	
22 13 16 00-0435	EA	10" x 4" No Hub Cast Iron Reducer	373.04	157.83
		For Below Ground Installation, Add	*11.83*	
		For Work In Restricted Working Space, Add	*70.98*	
22 13 16 00-0436	EA	10" x 6" No Hub Cast Iron Reducer	400.00	164.77
		For Below Ground Installation, Add	*12.36*	
		For Work In Restricted Working Space, Add	*74.13*	
22 13 16 00-0437	EA	10" x 8" No Hub Cast Iron Reducer	451.32	178.86
		For Below Ground Installation, Add	*13.41*	
		For Work In Restricted Working Space, Add	*80.44*	

22 13 16 00-0438 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0439	EA	1-1/2" No Hub Cast Iron Blind Plug	28.65	14.39
		For Below Ground Installation, Add	*1.08*	
		For Work In Restricted Working Space, Add	*6.47*	
22 13 16 00-0440	EA	2" No Hub Cast Iron Blind Plug	29.28	15.01
		For Below Ground Installation, Add	*1.13*	
		For Work In Restricted Working Space, Add	*6.75*	
22 13 16 00-0441	EA	3" No Hub Cast Iron Blind Plug	37.83	17.24
		For Below Ground Installation, Add	*1.29*	
		For Work In Restricted Working Space, Add	*7.74*	
22 13 16 00-0442	EA	4" No Hub Cast Iron Blind Plug	50.23	22.73
		For Below Ground Installation, Add	*1.70*	
		For Work In Restricted Working Space, Add	*10.22*	
22 13 16 00-0443	EA	5" No Hub Cast Iron Blind Plug	69.81	26.58
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.94*	
22 13 16 00-0444	EA	6" No Hub Cast Iron Blind Plug	77.03	31.12
		For Below Ground Installation, Add	*2.34*	
		For Work In Restricted Working Space, Add	*14.02*	
22 13 16 00-0445	EA	8" No Hub Cast Iron Blind Plug	155.60	40.06
		For Below Ground Installation, Add	*3.00*	
		For Work In Restricted Working Space, Add	*18.01*	
22 13 16 00-0446	EA	10" No Hub Cast Iron Blind Plug	202.04	43.11
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	

22 13 16 00-0447 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0448	EA	2" No Hub Cast Iron P-Trap	70.01	30.03
		For Below Ground Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0449	EA	3" No Hub Cast Iron P-Trap	108.62	34.36
		For Below Ground Installation, Add	*2.58*	
		For Work In Restricted Working Space, Add	*15.47*	
22 13 16 00-0450	EA	4" No Hub Cast Iron P-Trap	167.30	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0451	EA	5" No Hub Cast Iron P-Trap	305.61	52.64
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.66*	
22 13 16 00-0452	EA	6" No Hub Cast Iron P-Trap	321.05	62.77
		For Below Ground Installation, Add	*4.71*	
		For Work In Restricted Working Space, Add	*28.23*	

22 13 16 00-0453 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0454	EA	2" No Hub Cast Iron Deep Seal P-Trap	116.86	38.17
		For Below Ground Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0455	EA	3" No Hub Cast Iron Deep Seal P-Trap	171.34	50.75
		For Below Ground Installation, Add	*3.80*	
		For Work In Restricted Working Space, Add	*22.82*	
22 13 16 00-0456	EA	4" No Hub Cast Iron Deep Seal P-Trap	253.33	67.03
		For Below Ground Installation, Add	*5.02*	
		For Work In Restricted Working Space, Add	*30.13*	

22 13 16 00-0457 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0458	EA	4" No Hub Cast Iron Closet Flange	107.87	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0459	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	116.11	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	

22 13 16 00-0460 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0461	EA	4" x 16" No Hub Cast Iron Closet Bend	223.48	45.47
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.46*	

22 13 16 00-0462 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0463	EA	1-1/4" No Hub Cast Iron Threaded Adapter	78.64	38.17
		For Below Ground Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	
22 13 16 00-0464	EA	1-1/2" No Hub Cast Iron Threaded Adapter	85.28	38.17
		For Below Ground Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.15*	

22 13 16 00-0465 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

22 13 16 00-0466	EA	1-1/2" No Hub Coupling	10.35	
		For Medium Duty (Fernco MD-2000), Add	*1.35*	
		For Heavy Duty (Fernco HD-4000), Add	*2.79*	
22 13 16 00-0467	EA	2" No Hub Coupling	10.35	
		For Medium Duty (Fernco MD-2000), Add	*1.35*	
		For Heavy Duty (Fernco HD-4000), Add	*2.79*	
22 13 16 00-0468	EA	3" No Hub Coupling	12.29	
		For Medium Duty (Fernco MD-2000), Add	*1.60*	
		For Heavy Duty (Fernco HD-4000), Add	*3.32*	
22 13 16 00-0469	EA	4" No Hub Coupling	14.59	
		For Medium Duty (Fernco MD-2000), Add	*1.90*	
		For Heavy Duty (Fernco HD-4000), Add	*3.94*	
22 13 16 00-0470	EA	5" No Hub Coupling	33.73	
		For Medium Duty (Fernco MD-2000), Add	*4.38*	
		For Heavy Duty (Fernco HD-4000), Add	*9.11*	
22 13 16 00-0471	EA	6" No Hub Coupling	37.07	
		For Medium Duty (Fernco MD-2000), Add	*4.82*	
		For Heavy Duty (Fernco HD-4000), Add	*10.01*	
22 13 16 00-0472	EA	8" No Hub Coupling	69.83	
		For Medium Duty (Fernco MD-2000), Add	*9.08*	
		For Heavy Duty (Fernco HD-4000), Add	*18.85*	
22 13 16 00-0473	EA	10" No Hub Coupling	96.20	
		For Medium Duty (Fernco MD-2000), Add	*12.51*	
		For Heavy Duty (Fernco HD-4000), Add	*25.97*	
22 13 16 00-0474	EA	2" x 1-1/2" No Hub Reducing Coupling	12.29	
22 13 16 00-0475	EA	3" x 2" No Hub Reducing Coupling	19.06	
22 13 16 00-0476	EA	4" x 2" No Hub Reducing Coupling	26.59	
22 13 16 00-0477	EA	4" x 3" No Hub Reducing Coupling	22.65	

22 13 16 00-0478 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0869 for additional FERNCO couplings.

22 13 16 00-0479	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	47.51	
22 13 16 00-0480	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.04	
22 13 16 00-0481	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0482	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	60.07	
22 13 16 00-0483	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	113.40	
22 13 16 00-0484	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	155.70	
22 13 16 00-0485	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	272.78	
22 13 16 00-0486	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	416.84	
22 13 16 00-0487		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0488	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	10.33	
		For Work In Restricted Working Space, Add	*3.10*	
22 13 16 00-0489	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	12.63	
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0490	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	13.78	
		For Work In Restricted Working Space, Add	*4.13*	
22 13 16 00-0491	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	17.22	
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0492	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	20.66	
		For Work In Restricted Working Space, Add	*6.20*	
22 13 16 00-0493	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	27.56	
		For Work In Restricted Working Space, Add	*8.27*	
22 13 16 00-0494	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	32.15	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0495		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0451 for copper and brass fittings.		
22 13 16 00-0496	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	16.67	4.97
22 13 16 00-0497	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	19.89	5.55
22 13 16 00-0498	LF	2" Hard Drawn DWV Copper Tube/Pipe	25.61	6.85
22 13 16 00-0499	LF	3" Hard Drawn DWV Copper Tube/Pipe	55.19	9.48
22 13 16 00-0500	LF	4" Hard Drawn DWV Copper Tube/Pipe	77.05	10.70
22 13 16 00-0501	LF	5" Hard Drawn DWV Copper Tube/Pipe	151.28	12.29
22 13 16 00-0502	LF	6" Hard Drawn DWV Copper Tube/Pipe	215.79	19.04
22 13 16 00-0503		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0504		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0503)*		
22 13 16 00-0505		**Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)*		
		Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.		
22 13 16 00-0506	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	13.50	
		For Work In Restricted Working Space, Add	*2.48*	
22 13 16 00-0507	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	16.29	
		For Work In Restricted Working Space, Add	*3.01*	
22 13 16 00-0508	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.38	
		For Work In Restricted Working Space, Add	*4.26*	
22 13 16 00-0509	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	35.81	
		For Work In Restricted Working Space, Add	*4.70*	
22 13 16 00-0510	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	65.10	
		For Work In Restricted Working Space, Add	*6.05*	
22 13 16 00-0511	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	93.84	
		For Work In Restricted Working Space, Add	*8.08*	
22 13 16 00-0512	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	137.02	
		For Work In Restricted Working Space, Add	*10.77*	
22 13 16 00-0513		**Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0514	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.24	4.44
		For Work In Restricted Working Space, Add	*5.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0515	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.63	5.29
		For Work In Restricted Working Space, Add	*5.66*	
22 13 16 00-0516	LF	3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.54	7.62
		For Work In Restricted Working Space, Add	*7.03*	
22 13 16 00-0517	LF	4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.48	8.25
		For Work In Restricted Working Space, Add	*7.68*	
22 13 16 00-0518	LF	6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	88.95	10.58
		For Work In Restricted Working Space, Add	*9.84*	
22 13 16 00-0519	LF	8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	118.99	14.06
		For Work In Restricted Working Space, Add	*11.27*	
22 13 16 00-0520	LF	10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	167.74	18.82
		For Work In Restricted Working Space, Add	*14.69*	
22 13 16 00-0521		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0503)* Note: Excludes fittings or hangers.		
22 13 16 00-0522		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0521)* Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.48	4.44
		For Work In Restricted Working Space, Add	*1.98*	
22 13 16 00-0524	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.98	5.29
		For Work In Restricted Working Space, Add	*2.38*	
22 13 16 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	21.52	7.62
		For Work In Restricted Working Space, Add	*3.41*	
22 13 16 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	26.66	8.25
		For Work In Restricted Working Space, Add	*3.70*	
22 13 16 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	41.03	10.34
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0528	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	59.44	13.75
		For Work In Restricted Working Space, Add	*6.20*	
22 13 16 00-0529	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	86.95	18.41
		For Work In Restricted Working Space, Add	*8.27*	
22 13 16 00-0530		Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0521)* Note: Excludes fittings or hangers.		
22 13 16 00-0531	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.32	4.44
		For Work In Restricted Working Space, Add	*1.98*	
22 13 16 00-0532	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.62	5.29
		For Work In Restricted Working Space, Add	*2.38*	
22 13 16 00-0533	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	18.93	7.62
		For Work In Restricted Working Space, Add	*3.41*	
22 13 16 00-0534	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	23.22	8.25
		For Work In Restricted Working Space, Add	*3.70*	
22 13 16 00-0535	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	34.62	10.34
		For Work In Restricted Working Space, Add	*4.65*	
22 13 16 00-0536	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	50.43	13.75
		For Work In Restricted Working Space, Add	*6.20*	
22 13 16 00-0537	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	77.15	18.41
		For Work In Restricted Working Space, Add	*8.27*	
22 13 16 00-0538		Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0503)*		
22 13 16 00-0539		Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0538)*		
22 13 16 00-0540	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	34.05	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0541	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	43.49	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0542	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	75.48	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0543	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	116.56	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0544	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	456.27	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0545	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	756.34	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 13 16 00-0546	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	998.56	82.16
		For Work In Restricted Working Space, Add	*37.01*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0538)*

22 13 16 00-0548	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	55.43	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0549	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	55.79	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0550	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	107.11	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0551	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	174.54	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0552	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	344.28	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0553	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	609.16	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 13 16 00-0554	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	995.92	82.16
		For Work In Restricted Working Space, Add	*37.01*	

22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0538)*

22 13 16 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	35.81	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0557	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	43.35	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0558	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	72.85	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0559	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	103.67	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0560	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	423.47	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0561	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	680.11	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 13 16 00-0562	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	774.33	82.16
		For Work In Restricted Working Space, Add	*37.01*	

22 13 16 00-0563 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0538)*

22 13 16 00-0564	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	53.27	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0565	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	70.22	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0566	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	120.02	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0567	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	178.13	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0568	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	677.92	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 13 16 00-0569	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	881.88	92.41
		For Work In Restricted Working Space, Add	*41.63*	

22 13 16 00-0570 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0538)*

22 13 16 00-0571	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	67.95	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 13 16 00-0572	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	81.02	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0573	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	66.52	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0574	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	98.36	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0575	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	100.15	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0576	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	119.38	43.98
		For Work In Restricted Working Space, Add	*19.83*	
22 13 16 00-0577	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	203.75	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0578	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	257.73	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 13 16 00-0579	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	651.07	63.34
		For Work In Restricted Working Space, Add	*28.55*	
22 13 16 00-0580	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,054.01	79.19
		For Work In Restricted Working Space, Add	*35.69*	
22 13 16 00-0581	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,124.34	84.48
		For Work In Restricted Working Space, Add	*38.06*	

22 13 16 00-0582 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0538)*

22 13 16 00-0583	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	93.86	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0584	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	127.70	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 13 16 00-0585	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	259.30	60.59
		For Work In Restricted Working Space, Add	*27.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0586	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	376.44	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 13 16 00-0587		**Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0538)*		
22 13 16 00-0588	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	114.52	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0589	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	199.34	47.89
		For Work In Restricted Working Space, Add	*21.57*	
22 13 16 00-0590	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	230.31	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0591	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	419.25	57.73
		For Work In Restricted Working Space, Add	*26.01*	
22 13 16 00-0592	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	440.02	65.45
		For Work In Restricted Working Space, Add	*29.50*	
22 13 16 00-0593		**Polyvinyl Chloride (PVC) DWV Reducers** *(22 13 16 00-0538)*		
22 13 16 00-0594	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	45.36	20.09
		For Work In Restricted Working Space, Add	*9.04*	
22 13 16 00-0595	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	84.56	23.90
		For Work In Restricted Working Space, Add	*10.79*	
22 13 16 00-0596	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	80.35	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0597	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	123.87	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 13 16 00-0598	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	133.34	32.78
		For Work In Restricted Working Space, Add	*14.75*	
22 13 16 00-0599	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	482.40	38.06
		For Work In Restricted Working Space, Add	*17.13*	
22 13 16 00-0600	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	402.37	40.50
		For Work In Restricted Working Space, Add	*18.24*	
22 13 16 00-0601	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,009.94	48.43
		For Work In Restricted Working Space, Add	*21.81*	
22 13 16 00-0602	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	851.77	53.72
		For Work In Restricted Working Space, Add	*24.19*	
22 13 16 00-0603	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,145.63	63.97
		For Work In Restricted Working Space, Add	*28.81*	
22 13 16 00-0604	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	895.34	71.90
		For Work In Restricted Working Space, Add	*32.38*	
22 13 16 00-0605		**Polyvinyl Chloride (PVC) DWV P-Traps** *(22 13 16 00-0538)*		
22 13 16 00-0606	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	66.30	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0607	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	87.06	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0608	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	249.00	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0609	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	509.88	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0610	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	864.41	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 13 16 00-0611		**Polyvinyl Chloride (PVC) DWV Closet Flanges** *(22 13 16 00-0538)*		
22 13 16 00-0612	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	103.97	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0613	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	84.88	32.78
		For Work In Restricted Working Space, Add	*14.75*	
22 13 16 00-0614		**Polyvinyl Chloride (PVC) DWV Wyes** *(22 13 16 00-0538)*		
22 13 16 00-0615	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	66.88	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0616	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	78.13	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0617	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	130.12	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0618	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	194.67	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0619	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	615.84	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 13 16 00-0620	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	763.96	92.41
		For Work In Restricted Working Space, Add	*41.63*	
22 13 16 00-0621	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,005.40	123.18
		For Work In Restricted Working Space, Add	*55.51*	
22 13 16 00-0622		**Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0538)*		
22 13 16 00-0623	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	91.96	28.86
		For Work In Restricted Working Space, Add	*13.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0624	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	95.22	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0625	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	134.35	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0626	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	110.26	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0627	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	186.23	43.98
		For Work In Restricted Working Space, Add	*19.83*	
22 13 16 00-0628	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	162.47	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0629	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	183.79	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 13 16 00-0630	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	556.60	60.90
		For Work In Restricted Working Space, Add	*27.44*	
22 13 16 00-0631	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	690.07	63.34
		For Work In Restricted Working Space, Add	*28.55*	
22 13 16 00-0632	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	654.78	79.19
		For Work In Restricted Working Space, Add	*35.69*	
22 13 16 00-0633	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	827.99	84.48
		For Work In Restricted Working Space, Add	*38.06*	
22 13 16 00-0634	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	753.49	99.71
		For Work In Restricted Working Space, Add	*44.94*	
22 13 16 00-0635	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	940.96	105.00
		For Work In Restricted Working Space, Add	*47.31*	
22 13 16 00-0636	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,096.23	112.92
		For Work In Restricted Working Space, Add	*50.88*	

22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0538)*

22 13 16 00-0638	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	110.85	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0639	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	142.19	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 13 16 00-0640	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	283.46	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 13 16 00-0641	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	496.05	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 13 16 00-0642	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,021.43	91.57
		For Work In Restricted Working Space, Add	*41.24*	
22 13 16 00-0643	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,182.69	123.28
		For Work In Restricted Working Space, Add	*55.51*	
22 13 16 00-0644	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	1,836.43	164.31
		For Work In Restricted Working Space, Add	*74.01*	

22 13 16 00-0645 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0538)*

22 13 16 00-0646	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	128.34	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0647	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	240.83	47.89
		For Work In Restricted Working Space, Add	*21.57*	
22 13 16 00-0648	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	222.63	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0649	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	320.68	57.73
		For Work In Restricted Working Space, Add	*26.01*	
22 13 16 00-0650	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	407.41	65.45
		For Work In Restricted Working Space, Add	*29.50*	
22 13 16 00-0651	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	629.22	80.99
		For Work In Restricted Working Space, Add	*36.48*	
22 13 16 00-0652	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	736.47	96.85
		For Work In Restricted Working Space, Add	*43.61*	
22 13 16 00-0653	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	938.35	107.42
		For Work In Restricted Working Space, Add	*48.37*	
22 13 16 00-0654	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	991.16	117.37
		For Work In Restricted Working Space, Add	*52.86*	
22 13 16 00-0655	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,288.47	127.93
		For Work In Restricted Working Space, Add	*57.62*	
22 13 16 00-0656	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,558.84	143.80
		For Work In Restricted Working Space, Add	*64.76*	

22 13 16 00-0657 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0538)*

22 13 16 00-0658	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	83.87	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0659	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	104.63	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0660	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	209.76	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0661	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	373.28	52.87
		For Work In Restricted Working Space, Add	*23.79*	

22 13 16 00-0662 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends

(22 13 16 00-0538)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0663	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	158.61	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0664	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	252.50	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0665	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	183.52	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0666	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	339.28	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0667	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	367.49	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 13 16 00-0668		**Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends** *(22 13 16 00-0538)*		
22 13 16 00-0669	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	124.02	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0670	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	143.66	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 13 16 00-0671	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	222.99	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 13 16 00-0672	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	801.46	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 13 16 00-0673	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,663.30	91.57
		For Work In Restricted Working Space, Add	*41.24*	
22 13 16 00-0674		**Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0538)*		
22 13 16 00-0675	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	293.08	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0676	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	473.75	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0677	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	821.83	57.73
		For Work In Restricted Working Space, Add	*26.01*	
22 13 16 00-0678	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	741.70	65.45
		For Work In Restricted Working Space, Add	*29.50*	
22 13 16 00-0679	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	1,771.74	80.99
		For Work In Restricted Working Space, Add	*36.48*	
22 13 16 00-0680		**Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug** *(22 13 16 00-0538)*		
22 13 16 00-0681	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	180.35	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0682	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	315.78	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0683	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	509.96	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0684	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,354.47	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 13 16 00-0685	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,696.81	92.41
		For Work In Restricted Working Space, Add	*41.63*	
22 13 16 00-0686	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,251.63	123.18
		For Work In Restricted Working Space, Add	*55.51*	
22 13 16 00-0687		**Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug** *(22 13 16 00-0538)*		
22 13 16 00-0688	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	48.84	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0689	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	69.99	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0690	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	101.11	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0691	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	183.61	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0692	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	427.58	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0693	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	967.53	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 13 16 00-0694	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,787.85	82.16
		For Work In Restricted Working Space, Add	*36.98*	
22 13 16 00-0695		**Polyvinyl Chloride (PVC) Couplings** *(22 13 16 00-0538)*		
22 13 16 00-0696	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	33.08	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0697	EA	2" Polyvinyl Chloride (PVC) Couplings	41.30	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0698	EA	3" Polyvinyl Chloride (PVC) Couplings	64.55	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0699	EA	4" Polyvinyl Chloride (PVC) Couplings	84.23	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0700	EA	6" Polyvinyl Chloride (PVC) Couplings	241.81	45.78
		For Work In Restricted Working Space, Add	*20.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0701	EA	8" Polyvinyl Chloride (PVC) Couplings	592.50	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 13 16 00-0702	EA	10" Polyvinyl Chloride (PVC) Couplings	898.15	82.16
		For Work In Restricted Working Space, Add	*37.01*	

22 13 16 00-0703 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0538)*

22 13 16 00-0704	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	19.94	8.77
22 13 16 00-0705	EA	2" Polyvinyl Chloride (PVC) Male Adapters	33.44	11.31
22 13 16 00-0706	EA	3" Polyvinyl Chloride (PVC) Male Adapters	68.56	15.12
22 13 16 00-0707	EA	4" Polyvinyl Chloride (PVC) Male Adapters	131.48	17.66

22 13 16 00-0708 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0503)*

Note: In place piping.

22 13 16 00-0709	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.75	
22 13 16 00-0710	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.53	
22 13 16 00-0711	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.85	
22 13 16 00-0712	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.64	
22 13 16 00-0713	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	20.92	
22 13 16 00-0714	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	27.90	
22 13 16 00-0715	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	34.11	

22 13 16 00-0716 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0717 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0716)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0718	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.39	4.44
		For Work In Restricted Working Space, Add	*6.08*	
22 13 16 00-0719	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.58	5.29
		For Work In Restricted Working Space, Add	*6.74*	
22 13 16 00-0720	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.42	7.62
		For Work In Restricted Working Space, Add	*8.37*	
22 13 16 00-0721	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.72	8.25
		For Work In Restricted Working Space, Add	*9.29*	
22 13 16 00-0722	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.18	10.58
		For Work In Restricted Working Space, Add	*12.36*	

22 13 16 00-0723 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0716)*

Note: Excludes fittings or hangers.

22 13 16 00-0724	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.03	4.44
		For Work In Restricted Working Space, Add	*1.98*	
22 13 16 00-0725	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.52	5.29
		For Work In Restricted Working Space, Add	*2.38*	
22 13 16 00-0726	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	20.86	7.62
		For Work In Restricted Working Space, Add	*3.41*	
22 13 16 00-0727	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	25.91	8.25
		For Work In Restricted Working Space, Add	*3.70*	
22 13 16 00-0728	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	43.16	10.34
		For Work In Restricted Working Space, Add	*4.65*	

22 13 16 00-0729 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0716)*

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0729)*

22 13 16 00-0731	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	40.98	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0732	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	54.57	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0733	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	109.48	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0734	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	178.29	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0735	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	536.84	45.78
		For Work In Restricted Working Space, Add	*20.62*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0736		**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0729)*		
22 13 16 00-0737	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	61.09	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0738	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	74.23	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0739	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	158.28	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0740	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	275.38	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0741		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0729)*		
22 13 16 00-0742	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	43.71	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0743	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	52.67	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0744	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	99.47	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0745	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	159.82	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0746	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	556.33	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0747		**Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0729)*		
22 13 16 00-0748	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	64.41	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0749	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	87.97	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0750	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	163.04	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0751	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	261.54	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0752	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	1,090.93	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 13 16 00-0753		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees** *(22 13 16 00-0729)*		
22 13 16 00-0754	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	82.84	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 13 16 00-0755	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	102.50	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0756	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	82.73	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0757	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	131.13	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0758	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	135.49	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0759	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	328.76	43.98
		For Work In Restricted Working Space, Add	*19.83*	
22 13 16 00-0760	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	314.98	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0761	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	363.12	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 13 16 00-0762	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	1,199.62	63.34
		For Work In Restricted Working Space, Add	*28.55*	
22 13 16 00-0763		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0729)*		
22 13 16 00-0764	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	128.10	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0765	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	177.43	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 13 16 00-0766	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	399.25	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 13 16 00-0767	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	599.89	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 13 16 00-0768		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0729)*		
22 13 16 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	145.59	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0770	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	229.04	47.89
		For Work In Restricted Working Space, Add	*21.57*	
22 13 16 00-0771	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	265.23	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0772	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	494.29	56.46
		For Work In Restricted Working Space, Add	*25.44*	

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22 13 16 00-0773	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	516.98	64.01
		For Work In Restricted Working Space, Add	*28.85*	
22 13 16 00-0774		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0729)*		
22 13 16 00-0775	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	89.51	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0776	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	101.94	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0777	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	181.49	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0778	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	290.38	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0779	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	877.64	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 13 16 00-0780		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0729)*		
22 13 16 00-0781	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	132.31	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 13 16 00-0782	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	135.10	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0783	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	150.43	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0784	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	239.39	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0785	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	273.74	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 13 16 00-0786	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	735.09	63.34
		For Work In Restricted Working Space, Add	*28.55*	
22 13 16 00-0787		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0729)*		
22 13 16 00-0788	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	158.91	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0789	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	204.07	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 13 16 00-0790	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	443.55	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 13 16 00-0791	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	820.04	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 13 16 00-0792		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0729)*		
22 13 16 00-0793	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	184.84	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0794	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	320.63	47.89
		For Work In Restricted Working Space, Add	*21.57*	
22 13 16 00-0795	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	341.09	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0796	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	514.97	57.73
		For Work In Restricted Working Space, Add	*26.01*	
22 13 16 00-0797	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	664.04	65.45
		For Work In Restricted Working Space, Add	*29.50*	
22 13 16 00-0798		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0729)*		
22 13 16 00-0799	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	119.29	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0800	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	154.25	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0801	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	238.73	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0802	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	412.33	51.70
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0803		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0729)*		
22 13 16 00-0804	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	130.87	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0805	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	257.15	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 13 16 00-0806	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	186.41	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 13 16 00-0807	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	346.06	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0808	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	374.76	50.33
		For Work In Restricted Working Space, Add	*22.68*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0809		Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0729)*		
22 13 16 00-0810	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	255.05	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 13 16 00-0811	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	523.10	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 13 16 00-0812		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0729)*		
22 13 16 00-0813	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	211.05	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0814	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	504.10	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0815		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0729)*		
22 13 16 00-0816	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	133.32	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0817	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	168.28	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0818	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	270.08	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0819	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	456.69	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0820		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0729)*		
22 13 16 00-0821	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	58.55	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0822	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	85.66	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0823	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	125.11	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0824	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	240.37	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0825	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	583.48	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0826		Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0729)*		
22 13 16 00-0827	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	37.51	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0828	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	45.50	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0829	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	77.22	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0830	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	105.21	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 13 16 00-0831	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	327.44	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 13 16 00-0832		Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0729)*		
22 13 16 00-0833	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	58.19	20.09
		For Work In Restricted Working Space, Add	*9.04*	
22 13 16 00-0834	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	124.91	23.90
		For Work In Restricted Working Space, Add	*10.79*	
22 13 16 00-0835	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	114.24	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0836	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	190.48	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 13 16 00-0837	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	203.10	32.78
		For Work In Restricted Working Space, Add	*14.75*	
22 13 16 00-0838		Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0729)*		
22 13 16 00-0839	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	94.05	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0840	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	138.80	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 13 16 00-0841	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	471.49	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0842	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	905.55	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 13 16 00-0843		Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0729)*		
22 13 16 00-0844	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	128.82	35.21
		For Work In Restricted Working Space, Add	*15.86*	

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22 13 16 00-0845	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	120.40	32.78
		For Work In Restricted Working Space, Add	*14.75*	

22 13 16 00-0846 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0729)*

22 13 16 00-0847	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	27.34	8.77
		For Work In Restricted Working Space, Add	*3.97*	
22 13 16 00-0848	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	41.95	11.31
		For Work In Restricted Working Space, Add	*5.07*	
22 13 16 00-0849	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	95.66	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 13 16 00-0850	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	187.78	17.66
		For Work In Restricted Working Space, Add	*7.93*	

22 13 16 00-0851 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0729)*

22 13 16 00-0852	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	41.80	20.09
		For Work In Restricted Working Space, Add	*9.04*	
22 13 16 00-0853	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	98.90	23.90
		For Work In Restricted Working Space, Add	*10.79*	
22 13 16 00-0854	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	79.65	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 13 16 00-0855	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	188.46	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 13 16 00-0856	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	133.25	32.78
		For Work In Restricted Working Space, Add	*14.75*	
22 13 16 00-0857	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	389.19	39.60
		For Work In Restricted Working Space, Add	*17.84*	

22 13 16 00-0858 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0729)*

22 13 16 00-0859	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	136.25	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 13 16 00-0860	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	150.96	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 13 16 00-0861	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	169.92	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 13 16 00-0862	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	184.64	35.21
		For Work In Restricted Working Space, Add	*15.86*	

22 13 16 00-0863 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0716)

Note: In place piping.

22 13 16 00-0864	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.75
22 13 16 00-0865	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.53
22 13 16 00-0866	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.85
22 13 16 00-0867	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.64
22 13 16 00-0868	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	20.92

22 13 16 00-0869 Elastomeric Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0870 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

(22 13 16 00-0869)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0871	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	13.38	4.59
22 13 16 00-0872	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	14.42	4.88
22 13 16 00-0873	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	15.16	5.17
22 13 16 00-0874	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	17.44	5.46
22 13 16 00-0875	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	19.65	5.74
22 13 16 00-0876	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	24.86	6.03
22 13 16 00-0877	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	30.11	6.31
22 13 16 00-0878	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	40.67	6.89
22 13 16 00-0879	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	53.45	8.04

22 13 16 00-0880 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0869)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0881	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	14.25	4.88
22 13 16 00-0882	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	15.44	5.17
22 13 16 00-0883	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	18.79	5.46
22 13 16 00-0884	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	16.95	5.46
22 13 16 00-0885	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	22.97	5.74
22 13 16 00-0886	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	22.03	5.74
22 13 16 00-0887	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	20.28	5.74
22 13 16 00-0888	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	28.96	6.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0889	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	26.29	6.03
22 13 16 00-0890	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	35.63	6.31
22 13 16 00-0891	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	31.63	6.31
22 13 16 00-0892	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	32.75	6.31
22 13 16 00-0893	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	64.12	11.48
22 13 16 00-0894	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	53.03	11.48
22 13 16 00-0895	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	66.78	12.92
22 13 16 00-0896		**Elastomeric Flexible Pipe Caps (Fernco QC)** *(22 13 16)*		
		Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0897	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	50.39	31.00
22 13 16 00-0898	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	54.02	32.96
22 13 16 00-0899	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	62.52	37.77
22 13 16 00-0900	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	82.51	49.94
22 13 16 00-0901	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	98.88	59.70
22 13 16 00-0902	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106)	114.07	68.90
22 13 16 00-0903	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108)	152.60	87.26
22 13 16 00-0904	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110)	186.82	97.59
22 13 16 00-0905	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112)	235.15	108.51
22 13 16 00-0906		**Seamless Pipe Vent Flashing For Multiple Pipe** *(22 13 16)*		
		Note: Elmdor/Stoneman #910.		
22 13 16 00-0907	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 4 LB)	512.67	120.56
22 13 16 00-0908	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 6 LB)	535.57	120.56
22 13 16 00-0909	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 4 LB)	573.61	140.65
22 13 16 00-0910	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 6 LB)	605.75	140.65
22 13 16 00-0911	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 4 LB)	649.42	163.62
22 13 16 00-0912	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 6 LB)	693.20	163.62
22 13 16 00-0913		**Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series)** *(22 13 16)*		
22 13 16 00-0914	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	97.40	23.79
22 13 16 00-0915	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	102.69	26.44
22 13 16 00-0916	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	154.14	34.36
22 13 16 00-0917	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	180.74	39.65
22 13 16 00-0918	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	210.86	44.93
22 13 16 00-0919	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	356.66	50.22
22 13 16 00-0920		**Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series)** *(22 13 16)*		
22 13 16 00-0921	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	203.09	23.79
22 13 16 00-0922	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	208.38	26.44
22 13 16 00-0923	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	247.49	34.36
22 13 16 00-0924	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	309.89	39.65
22 13 16 00-0925	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	424.13	44.93
22 13 16 00-0926	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	434.70	50.22
22 13 16 00-0927		**Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series)** *(22 13 16)*		
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0928	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	388.96	23.79
22 13 16 00-0929	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	394.25	26.44
22 13 16 00-0930	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	452.78	34.36
22 13 16 00-0931	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	509.58	39.65
22 13 16 00-0932	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	594.84	44.93
22 13 16 00-0933	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	649.86	50.22
22 13 19		**Sanitary Waste Piping Specialties** *(22 13)*		
22 13 19 13		**Sanitary Drains** *(22 13 19)*		
22 13 19 13-0001		**Round Top Floor Drains** *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	800.77	113.66
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	879.53	127.41
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	855.43	140.94
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	884.46	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	801.83	127.41
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	829.00	140.94
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	858.03	155.54
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,346.24	127.41
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,373.41	140.94
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,402.44	155.54
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,266.95	127.41
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,293.97	140.94
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,323.15	155.54
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,393.69	127.30
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,420.83	140.94
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,450.01	155.54
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,207.65	127.30
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,234.79	140.94
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,263.97	155.54
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,099.30	127.30
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,126.44	140.94
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,155.62	155.54
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0024		**Square Or Rectangular Top Drains** *(22 13 19 13)*		
22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	952.35	127.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	979.79	141.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,008.67	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,031.63	127.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,059.07	141.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,087.95	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,380.47	127.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,407.91	141.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,436.79	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	894.21	127.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	921.65	141.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	950.53	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	994.63	127.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,022.07	141.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,050.95	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,277.40	127.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,304.84	141.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,333.72	155.54
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,345.05	141.05
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,373.93	155.54
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,206.58	141.05
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,235.46	155.54
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,103.52	141.05
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,132.40	155.54
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,401.61	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,429.05	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,457.93	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,811.24	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,838.68	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,867.56	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,906.38	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,933.82	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,962.70	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,643.71	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,671.15	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,700.03	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,317.05	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,344.49	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,373.37	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,665.89	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,693.33	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,722.21	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,761.03	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,788.47	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,817.35	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,360.93	127.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,388.37	141.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,417.25	155.54
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0073		**Funnel Type Floor Drains** *(22 13 19 13)*		
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,324.12	113.66
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,351.40	127.30
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,378.54	140.94
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,407.72	155.54
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	1,946.02	127.30
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	1,973.16	140.94
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,002.34	155.54
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,842.95	127.30
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,870.09	140.94
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,899.27	155.54
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0084		**Floor Drain With Sediment Bucket Bottom Outlet** *(22 13 19 13)*		
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,835.68	113.66
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,863.05	127.30
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,890.19	140.94
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,919.37	155.54
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,949.47	170.55
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	3,063.90	127.30
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	3,091.34	141.05
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	3,120.22	155.54
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	3,150.32	170.55
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,872.02	127.30
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,899.46	141.05
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,928.34	155.54
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,958.44	170.55
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,857.77	127.30
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,885.21	141.05
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,914.09	155.54
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,944.19	170.55
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	51.25	11.48
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	57.20	11.48
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	117.50	22.97
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	151.69	22.97

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,334.60	113.66
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,361.97	127.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,389.11	140.94
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	268.61	76.66
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	284.46	84.58
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	268.61	76.66
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	284.46	84.58
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	268.61	76.66
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	284.46	84.58
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	268.61	76.66
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	284.46	84.58
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100)	373.41	84.58

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,639.63	127.41
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,667.20	141.15
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,695.78	155.54
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)*		
		Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,939.88	113.66
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,967.28	127.41
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,994.30	140.94
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,023.48	155.54
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	110.88	13.22
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	89.77	13.22
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	98.21	13.22
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	119.32	13.22
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	106.66	13.22
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	153.34	13.22
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	170.33	13.22
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	212.49	13.22
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,299.02	79.30
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,317.00*	
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,515.82	178.43
		For Flange And Clamp Device, Add	*379.11*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,391.87*	
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,156.41	198.25
		For Flange And Clamp Device, Add	*392.33*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,520.17*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,606.64	218.07
		For Flange And Clamp Device, Add	*405.55*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,643.04*	
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	2,919.00	237.90
		For Flange And Clamp Device, Add	*449.16*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,711.18*	
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,586.02	277.55
		For Flange And Clamp Device, Add	*486.79*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,883.31*	
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,681.94	317.20
		For Flange And Clamp Device, Add	*554.19*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,008.40*	
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,228.70	356.85
		For Flange And Clamp Device, Add	*781.90*	
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,448.50	451.12
		For Flange And Clamp Device, Add	*908.75*	
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	12,880.18	721.78
		For Flange And Clamp Device, Add	*1,249.19*	
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	18,492.13	902.22
		For Flange And Clamp Device, Add	*1,498.77*	
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	21,569.40	1,082.68
		For Flange And Clamp Device, Add	*1,932.03*	
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	28,036.21	1,263.12
		For Flange And Clamp Device, Add	*2,290.08*	
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	36,284.97	1,443.57
		For Flange And Clamp Device, Add	*2,683.66*	

22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.

22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,762.02	218.07
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	4,839.87	277.55
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	7,996.37	317.20

22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.

22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*

Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.

22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,309.27	79.30
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,317.00*	
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	3,892.23	178.43
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,391.87*	
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,157.91	198.25
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,520.17*	
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,076.42	218.07
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,643.04*	
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,121.83	237.90
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,711.18*	
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,327.14	277.55
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,883.31*	
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,222.47	317.20
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,008.40*	

22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*

Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.

22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	8,509.52	277.55

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,236.57	218.07
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,420.52	237.90
22 13 19 26-0035	EA	35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,208.88	277.55
22 13 19 26-0036		Precast Concrete Grease Interceptor *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	4,450.70	413.52
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	5,078.35	413.52
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	5,764.59	472.75
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	6,590.10	667.65
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	7,454.04	898.27
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	11,141.82	1,181.82
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	14,402.06	1,938.00
22 13 19 26-0044		Coated Steel Manual Oil Interceptor *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,766.86	301.97
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,659.95	358.81
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,733.06	441.48
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	19,257.80	478.22
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	23,295.09	521.85
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	31,074.78	574.09
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	53,152.18	660.83
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	57,822.28	813.09
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	71,368.92	881.29
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	100,458.10	1,057.33
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	116,151.29	1,136.63
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	146,621.41	1,355.50
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	178,742.74	1,110.73
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	211,721.06	1,321.67
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	586.54	30.34
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	598.16	38.17
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	864.83	50.75
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	2,362.42	72.28
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	2,885.95	95.13
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	8,421.23	117.36
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	9,531.17	152.22
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve *(22 13 19 33)* Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,441.48	72.34
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,209.79	87.76
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,730.59	113.14
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,859.21	131.33
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,364.86	155.62
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)* Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,984.08	114.51
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	4,040.75	152.25
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,905.74	194.51
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,939.55	216.84
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)* Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	139.78	38.17
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	167.16	50.75
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	496.54	72.28
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	330.32	76.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	439.86	101.50
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	767.44	144.56

22 13 19 36 Air-Admittance Valves *(22 13 19)*

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	270.57	14.80
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	324.43	14.80

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,280.62	149.72
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,282.23	149.72
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside) Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,805.39	149.72
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,805.39	149.72
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,923.82	149.72

22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	324.96	51.21
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	331.51	54.54
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0010 Sediment Strainers *(22 13 23)*

22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	175.83	69.78

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	7,881.39	1,268.37
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,209.91	1,268.37
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,538.41	1,268.37
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,851.76	1,268.37

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,791.11	1,268.37
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,917.47	1,268.37
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,005.91	1,268.37
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,612.39	1,268.37
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,206.23	1,268.37
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,115.95	1,268.37
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	12,025.67	1,268.37
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	13,774.50	1,687.92

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,424.21	1,268.37
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,424.21	1,268.37
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,643.12	1,268.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,341.66	1,268.37
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,639.62	1,268.37
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	13,879.32	1,687.92
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,637.42	1,687.92
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)* Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	963.78	42.29
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	1,066.75	47.58
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,481.80	63.44
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	2,161.21	74.02
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,318.67	76.66
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,480.74	79.30
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	3,163.63	95.16
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	4,299.68	105.73
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	5,452.75	132.17
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,944.99	145.38
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)* Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,533.63	76.93
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,636.47	76.93
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,604.83	76.93
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,756.45	76.93
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,756.45	76.93
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,853.43	96.16
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,987.91	96.16
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,005.06	96.16
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)* Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,562.63	76.93
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,710.31	76.93
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,640.43	76.93
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,782.82	76.93
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,910.72	76.93
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,771.68	96.16
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,924.63	96.16
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,923.31	96.16
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,190.47	155.01
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,319.68	155.01
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,342.10	155.01

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,335.61	189.45
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,483.28	189.45
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,487.23	189.45
22 13 29 16-0026		Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,857.98	76.93
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,108.49	76.93
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,052.52	96.16
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,204.15	96.16
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,492.41	155.01
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,644.03	155.01
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,638.86	189.45
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,790.49	189.45
22 13 29 16-0035		Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,556.82	96.16
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,871.74	164.06
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,213.08	200.51
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,448.10	243.04
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,112.01	285.58
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	6,826.10	328.11
22 13 29 16-0042		Submersible Sewage Pumps, Explosion Proof *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,173.20	344.60
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,613.83	344.60
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,613.83	344.60
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,510.14	459.46
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,950.77	459.46
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,950.77	459.46
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,962.46	574.32
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,403.09	574.32
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,403.09	574.32
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,306.39	689.19
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,747.02	689.19
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,747.02	689.19
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,171.23	804.06
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,611.86	804.06
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,611.86	804.06
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,489.54	918.92
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,489.54	918.92
22 13 29 16-0060		Submersible Sewage Pump Accessories *(22 13 29 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	757.60	93.47
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	782.80	93.47
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,549.30	124.63
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,194.29	124.63
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,525.71	124.63
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,734.69	124.63
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	7,565.33	155.78
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,376.44	155.78
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,716.18	155.78
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,892.54	155.78
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,815.70	155.78
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,974.64	155.78
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included..	3,394.28	155.78
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	629.79	62.31
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	117.74	31.16
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	132.60	31.16
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	151.60	31.16
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	148.55	31.16
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	459.41	31.16
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	468.89	31.16
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	511.83	31.16
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	533.75	31.16
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	243.37	31.16
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	64.37	15.57
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,292.72	93.47
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,029.01	124.63
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,650.92	155.78
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,591.65	93.47
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	3,659.64	93.47
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	368.39	62.31
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	652.49	77.89
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	652.19	93.47
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	181.57	31.16
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	362.44	31.16

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	153.48	
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	199.81	
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	463.73	
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	653.76	
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	843.78	
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	982.48	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0009		Fiberglass Basin *(22 13 29 33-0001)*		
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	394.84	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	809.98	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,459.74	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,967.57	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,268.05	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,395.32	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,815.34	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,269.92	

22 13 29 36 Explosion Proof Submersible Sewerage Pumps *(22 13 29)*

22 13 29 36-0001		Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0002		Ebara 3" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*		
22 13 29 36-0003	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5	3,208.62	211.47
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0004	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5	3,208.62	211.47
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0005	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2	4,197.86	253.76
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0006	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2	4,079.91	253.76
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0007	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7	4,717.28	338.35
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0008	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7	4,837.41	338.35
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0009	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5	6,516.64	422.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0010	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU65.5	6,571.24	422.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0011	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5	7,605.05	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0012	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5	7,572.29	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
22 13 29 36-0013	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611	8,766.63	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0014	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611	8,732.77	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0015	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615	10,022.12	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0016	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618	12,336.93	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0017	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622	13,734.39	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0018		Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*		
22 13 29 36-0019	EA	2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5	3,876.98	211.47
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0020	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2	4,372.59	253.76
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0021	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU62.2	4,197.86	253.76
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0022	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7	4,950.99	338.35
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0023	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7	4,717.28	338.35
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0024	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5	7,391.39	422.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0025	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5	6,516.64	422.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0026	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5	8,107.40	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0027	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5	7,605.05	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0028	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611	9,224.21	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0029	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611	8,766.63	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0030	EA	20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615	10,512.46	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0031	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615	10,022.12	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0032	EA	25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618	12,663.46	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0033	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618	12,336.93	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0034	EA	30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622	14,050.00	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0035	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622	13,734.39	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0036	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630	21,017.47	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0037	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637	26,081.45	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0038	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645	27,579.78	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0039		Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP *(22 13 29 36-0001)*		
22 13 29 36-0040	EA	10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5	8,433.94	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0041	EA	15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611	9,555.11	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0042	EA	20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615	10,811.69	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0043	EA	25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618	12,512.76	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0044	EA	30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622	14,658.29	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0045	EA	40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630	21,698.54	930.45
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*2,537.25*	
22 13 29 36-0046	EA	50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637	26,627.78	1,015.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*2,537.25*	
22 13 29 36-0047	EA	60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645	28,339.77	1,099.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*2,537.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0048		**Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP** *(22 13 29 36-0001)*		
22 13 29 36-0049	EA	10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675	8,930.83	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0050	EA	15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611	9,637.02	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0051	EA	20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61	10,821.52	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0052	EA	25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618	12,512.76	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0053	EA	30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622	14,658.29	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0054	EA	40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630	21,353.44	930.45
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,195.60*	
22 13 29 36-0055	EA	50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637	26,791.59	1,015.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,195.60*	
22 13 29 36-0056	EA	60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645	28,511.23	1,099.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,195.60*	
22 13 29 36-0057		**Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP** *(22 13 29 36-0001)*		
22 13 29 36-0058	EA	15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611	11,066.55	592.10
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0059	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLBFU615	12,109.08	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0060	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLCFU615	12,873.54	676.70
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0061	EA	25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618	14,673.98	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0062	EA	30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622	15,946.95	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0063	EA	40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630	22,828.84	930.45
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0064	EA	50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637	28,509.44	1,015.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0065	EA	60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645	30,230.16	1,099.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0066		**Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP** *(22 13 29 36-0001)*		
22 13 29 36-0067	EA	25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618	15,346.70	761.28
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0068	EA	30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622	16,594.55	845.86
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0069	EA	40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630	23,515.76	930.45
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0070	EA	50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637	29,141.75	1,015.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0071	EA	60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645	30,853.74	1,099.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0072		Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0073		Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP *(22 13 29 36-0072)*		
22 13 29 36-0074	EA	75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852	89,345.14	1,184.21
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,420.00*	
22 13 29 36-0075	EA	75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	97,698.46	1,184.21
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,420.00*	
22 13 29 36-0076	EA	100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932	100,692.35	1,311.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,420.00*	
22 13 29 36-0077	EA	100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	103,039.23	1,311.09
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0078	EA	100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203	90,766.43	1,311.09
		For Guide Rail System, Add	*5,695.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0079	EA	120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	117,411.51	1,437.97
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0080	EA	120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152	104,934.49	1,437.97
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0081	EA	145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	105,030.89	1,607.14
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0082	EA	145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	124,687.24	1,607.14
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0083	EA	200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	141,933.66	1,776.31
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0084	EA	200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102	141,933.66	1,776.31
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0085	EA	245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102	147,107.14	1,945.49
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0086	EA	245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262	149,182.09	1,945.49
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0087		Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0088		Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0087)*		
22 13 29 36-0089	EA	3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611	13,913.60	592.10
22 13 29 36-0090	EA	3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615	15,632.13	676.70
22 13 29 36-0091	EA	3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618	17,103.86	761.28
22 13 29 36-0092	EA	3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622	18,185.71	845.86
22 13 29 36-0093	EA	4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611	14,379.92	592.10
22 13 29 36-0094	EA	4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615	15,698.75	676.70
22 13 29 36-0095	EA	4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618	17,569.09	761.28
22 13 29 36-0096	EA	4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622	18,897.75	845.86
22 13 29 36-0097	EA	4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130	26,611.81	930.45
22 13 29 36-0098	EA	4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637	31,214.52	1,015.03
22 13 29 36-0099	EA	4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645	32,449.27	1,099.63
22 13 29 36-0100	EA	8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611	14,848.42	592.10
22 13 29 36-0101	EA	8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615	15,981.60	676.70
22 13 29 36-0102	EA	8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618	17,691.40	761.28
22 13 29 36-0103	EA	8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622	19,334.58	845.86
22 13 29 36-0104	EA	8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630	27,404.66	930.45
22 13 29 36-0105	EA	8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637	33,849.71	1,015.03
22 13 29 36-0106	EA	8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645	34,228.27	1,099.63
22 13 29 36-0107	EA	8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630	28,371.54	845.86
22 13 29 36-0108	EA	8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637	33,951.27	1,015.03
22 13 29 36-0109	EA	8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645	34,489.27	1,099.63
22 13 29 36-0110	EA	10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630	33,739.81	930.45
22 13 29 36-0111	EA	10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637	33,951.27	1,015.03
22 13 29 36-0112	EA	10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645	34,511.11	1,099.63
22 13 29 36-0113	EA	12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630	29,015.47	930.45
22 13 29 36-0114	EA	12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637	34,117.27	1,015.03
22 13 29 36-0115	EA	12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645	34,575.55	1,099.63
22 13 29 36-0116		Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0117		Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP *(22 13 29 36-0116)*		
22 13 29 36-0118	EA	10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852	91,441.87	1,184.21
22 13 29 36-0119	EA	10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	99,810.88	1,184.21
22 13 29 36-0120	EA	10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932	103,306.09	1,311.09
22 13 29 36-0121	EA	10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	105,383.11	1,311.09
22 13 29 36-0122	EA	16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203	91,954.28	1,311.09
22 13 29 36-0123	EA	10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	120,295.73	1,437.97
22 13 29 36-0124	EA	10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152	105,700.32	1,437.97
22 13 29 36-0125	EA	10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	106,123.25	1,607.14
22 13 29 36-0126	EA	10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	125,583.28	1,607.14
22 13 29 36-0127	EA	12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	149,684.32	1,776.31
22 13 29 36-0128	EA	14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	146,245.51	1,712.87
22 13 29 36-0129	EA	12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	149,523.18	1,945.49
22 13 29 36-0130	EA	14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262	149,523.18	1,945.49
22 13 33		**Packaged, Submersible Sewerage Pump Units** *(22 13)*		
22 13 33 00-0001		Submersible Pumps (Flygt) *(22 13 33)*		
22 13 33 00-0002		Wet Pit Submersible Pumps (Flygt) *(22 13 33 00-0001)*		
22 13 33 00-0003		Wet Pit Submersible Explosion Proof Pumps (Flygt) *(22 13 33 00-0002)*		
22 13 33 00-0004	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085) Note: FLS and 50' electrical cable	14,784.55	253.76
22 13 33 00-0005	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085) Note: FLS and 50' electrical cable	15,436.39	296.06
22 13 33 00-0006	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102) Note: FLS and 50' electrical cable	18,467.72	338.35
22 13 33 00-0007	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102) Note: FLS and 50' electrical cable	17,430.94	422.93
22 13 33 00-0008	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127) Note: FLS and 50' electrical cable	24,540.56	465.22
22 13 33 00-0009	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127) Note: FLS and 50' electrical cable	28,613.41	507.52
22 13 33 00-0010	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	43,171.60	549.81
22 13 33 00-0011	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	45,354.52	592.10
22 13 33 00-0012	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	49,332.20	676.70
22 13 33 00-0013	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	62,256.38	761.28
22 13 33 00-0014	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	68,438.01	845.86
22 13 33 00-0015	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	82,241.40	888.16
22 13 33 00-0016	EA	34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	113,779.79	930.45
22 13 33 00-0017	EA	50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	127,697.54	1,099.63
22 13 33 00-0018	EA	67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	123,364.15	1,141.92
22 13 33 00-0019	EA	60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	157,586.28	1,184.21
22 13 33 00-0020	EA	85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	174,216.22	1,268.80
22 13 33 00-0021	EA	105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	177,331.83	1,353.38
22 13 33 00-0022	EA	70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	155,887.48	1,184.21
22 13 33 00-0023	EA	110 To 140 HP, 10" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	182,945.91	1,437.97
22 13 33 00-0024	EA	130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	179,076.01	1,607.14
22 13 33 00-0025	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) Note: FLS and 50' electrical cable	15,710.99	253.76
22 13 33 00-0026	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) Note: FLS and 50' electrical cable	16,362.83	296.06
22 13 33 00-0027	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) Note: FLS and 50' electrical cable	20,028.04	338.35
22 13 33 00-0028	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) Note: FLS and 50' electrical cable	18,991.26	422.93
22 13 33 00-0029	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	26,110.64	465.22
22 13 33 00-0030	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	30,183.48	507.52
22 13 33 00-0031	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	44,809.94	549.81

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0032	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	46,992.85	592.10
22 13 33 00-0033	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	50,970.54	676.70
22 13 33 00-0034	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	65,025.95	761.28
22 13 33 00-0035	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	71,207.58	845.86
22 13 33 00-0036	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	85,010.97	888.16
22 13 33 00-0037	EA	34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	116,549.36	930.45
22 13 33 00-0038	EA	50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	130,467.10	1,099.63
22 13 33 00-0039	EA	67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	127,459.99	1,141.92
22 13 33 00-0040	EA	60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	161,682.12	1,184.21
22 13 33 00-0041	EA	85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	178,312.06	1,268.80
22 13 33 00-0042	EA	105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	181,427.67	1,353.38
22 13 33 00-0043	EA	70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	159,983.32	1,184.21
22 13 33 00-0044	EA	130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	183,366.89	1,607.14

22 13 33 00-0045 Dry Pit Submersible Vertical Pumps (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0046 Dry Pit Submersible Vertical Non-Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

22 13 33 00-0047	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	14,380.82	253.76
22 13 33 00-0048	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	15,042.41	296.06
22 13 33 00-0049	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,127.80	338.35
22 13 33 00-0050	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,232.00	422.93
22 13 33 00-0051	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	25,679.60	465.22
22 13 33 00-0052	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	28,496.38	507.52
22 13 33 00-0053	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	42,776.09	592.10
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,946.50*	
22 13 33 00-0054	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	46,515.82	676.70
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0055	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	58,507.71	761.28
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*3,194.76*	
22 13 33 00-0056	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	62,994.45	845.86
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0057	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	78,395.21	888.16
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0058	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	105,381.37	930.45
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0059	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	130,236.96	1,099.63
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0060	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202)	124,608.51	1,141.92
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*2,057.67*	
22 13 33 00-0061	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301)	138,609.72	1,268.80
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0062	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301)	143,166.68	1,353.38
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,349.39*	
		For Stand, Add	*4,286.98*	
22 13 33 00-0063	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315)	141,337.50	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0064	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315)	179,829.17	1,437.97
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0065	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	15,307.26	253.76
		Note: FLS and 50' electrical cable		
22 13 33 00-0066	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	15,968.85	296.06
		Note: FLS and 50' electrical cable		
22 13 33 00-0067	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	18,697.87	338.35
		Note: FLS and 50' electrical cable		
22 13 33 00-0068	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	18,802.07	422.93
		Note: FLS and 50' electrical cable		
22 13 33 00-0069	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	27,249.67	465.22
		Note: FLS and 50' electrical cable		
22 13 33 00-0070	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	30,066.46	507.52
		Note: FLS and 50' electrical cable		
22 13 33 00-0071	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	40,191.39	549.81
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0072	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	44,433.93	592.10
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,946.50*	
22 13 33 00-0073	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	48,173.66	676.70
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0074	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	61,267.52	761.28
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*3,194.76*	
22 13 33 00-0075	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	65,754.26	845.86
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0076	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	81,155.03	888.16
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0077	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	108,141.18	930.45
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0078	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	132,996.77	1,099.63
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0079	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	128,704.35	1,141.92
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*2,057.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0080	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	128,946.61	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0081	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	142,705.56	1,268.80
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0082	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	147,262.52	1,353.38
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,349.39*	
		For Stand, Add	*4,286.98*	
22 13 33 00-0083	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	145,433.34	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0084	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	183,925.01	1,437.97
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0085	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	167,753.94	1,607.14
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,286.98*	

22 13 33 00-0086 Dry Pit Submersible Vertical Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

22 13 33 00-0087	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085)	16,130.33	253.76
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0088	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085)	16,791.92	296.06
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0089	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3102)	18,981.51	422.93
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0090	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3127)	27,834.79	465.22
		Note: FLS and 50' electrical cable. Includes stand and inlet elbow.		
22 13 33 00-0091	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153)	40,903.29	549.81
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0092	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153)	45,145.83	592.10
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,946.50*	
22 13 33 00-0093	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153)	48,885.56	676.70
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0094	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171)	61,682.96	761.28
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*3,194.76*	
22 13 33 00-0095	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171)	81,570.46	888.16
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0096	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202)	108,556.62	930.45
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0097	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202)	133,412.21	1,099.63
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0098	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202)	127,783.76	1,141.92
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*2,057.67*	
22 13 33 00-0099	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301)	131,729.83	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0100	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301)	145,488.78	1,268.80
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0101	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301)	150,045.74	1,353.38
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,349.39*	
		For Stand, Add	*4,286.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0102	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315)	148,411.60	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0103	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315)	186,903.27	1,437.97
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0104	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315)	170,527.41	1,607.14
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,286.98*	
22 13 33 00-0105	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	17,056.77	253.76
		Note: FLS and 50' electrical cable		
22 13 33 00-0106	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	17,718.36	296.06
		Note: FLS and 50' electrical cable		
22 13 33 00-0107	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	20,447.38	338.35
		Note: FLS and 50' electrical cable		
22 13 33 00-0108	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	20,551.58	422.93
		Note: FLS and 50' electrical cable		
22 13 33 00-0109	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	29,404.86	465.22
		Note: FLS and 50' electrical cable		
22 13 33 00-0110	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	32,221.65	507.52
		Note: FLS and 50' electrical cable		
22 13 33 00-0111	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	42,561.13	549.81
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0112	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	46,803.67	592.10
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,946.50*	
22 13 33 00-0113	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	50,543.40	676.70
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,375.03*	
22 13 33 00-0114	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	64,442.78	761.28
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*3,194.76*	
22 13 33 00-0115	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	68,929.51	845.86
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,451.65*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0116	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	84,330.28	888.16
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*1,989.41*	
22 13 33 00-0117	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	111,316.43	930.45
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0118	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	136,172.02	1,099.63
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,575.64*	
22 13 33 00-0119	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	131,879.60	1,141.92
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*2,057.67*	
22 13 33 00-0120	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	135,825.67	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0121	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	149,584.62	1,268.80
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,311.78*	
		For Stand, Add	*4,641.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0122	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	154,141.58	1,353.38
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,349.39*	
		For Stand, Add	*4,286.98*	
22 13 33 00-0123	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	152,507.44	1,184.21
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0124	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	190,999.11	1,437.97
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,641.95*	
22 13 33 00-0125	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	174,828.04	1,607.14
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*7,877.67*	
		For Stand, Add	*4,286.98*	
22 13 33 00-0126		Dry Pit Submersible Horizontal Pumps (Flygt) *(22 13 33 00-0001)*		
22 13 33 00-0127		Dry Pit Submersible Horizontal Non-Explosion Proof Pumps (Flygt) *(22 13 33 00-0126)*		
22 13 33 00-0128	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085)	12,951.18	253.76
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0129	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085)	11,391.26	296.06
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0130	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102)	15,317.83	338.35
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0131	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102)	14,887.62	422.93
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0132	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127)	22,847.62	465.22
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0133	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127)	25,492.77	507.52
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0134	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153)	42,774.14	592.10
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0135	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153)	46,515.82	676.70
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0136	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)	58,507.71	761.28
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0137	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)	62,994.45	845.86
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0138	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171)	78,399.11	888.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0139	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202)	105,379.41	930.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0140	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202)	130,236.96	1,099.63
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0141	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202)	124,608.51	1,141.92
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0142	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)	124,850.77	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0143	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)	132,756.57	1,268.80
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0144	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301)	141,216.28	1,353.38
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0145	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)	141,337.50	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0146	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)	179,829.17	1,437.97
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0147	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315)	163,453.31	1,607.14
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0148	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	13,877.62	253.76
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0149	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	12,317.70	296.06
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0150	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	16,887.90	338.35
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0151	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	16,457.69	422.93
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0152	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	24,417.69	465.22
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0153	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	27,062.84	507.52
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0154	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	40,191.39	549.81
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0155	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	44,431.98	592.10
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0156	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	48,173.66	676.70
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0157	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	61,267.52	761.28
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0158	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	65,754.26	845.86
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0159	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	81,158.93	888.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0160	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	108,139.23	930.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0161	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	132,996.77	1,099.63
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0162	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	128,704.35	1,141.92
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0163	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	128,946.61	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0164	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	136,852.41	1,268.80
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0165	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	145,312.12	1,353.38
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0166	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	145,433.34	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0167	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	183,925.01	1,437.97
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0168	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	167,753.94	1,607.14
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	

22 13 33 00-0169 Dry Pit Submersible Horizontal Explosion Proof Pumps (Flygt) *(22 13 33 00-0126)*

22 13 33 00-0170	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085)	14,700.68	253.76
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0171	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085)	13,140.77	296.06
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0172	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102)	17,067.34	338.35
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0173	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102)	16,637.13	422.93
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0174	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127)	25,002.81	465.22
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0175	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127)	27,647.96	507.52
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0176	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	40,903.29	549.81
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0177	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	45,143.87	592.10
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0178	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	48,885.56	676.70
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0179	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	61,682.96	761.28
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0180	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	66,169.70	845.86
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0181	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	81,574.36	888.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0182	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	108,554.67	930.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0183	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	133,412.21	1,099.63
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0184	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	127,783.76	1,141.92
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0185	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	131,729.83	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0186	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	139,635.63	1,268.80
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0187	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	148,095.34	1,353.38
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0188	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	148,411.60	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0189	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	186,903.27	1,437.97
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0190	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	170,527.41	1,607.14
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0191	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	15,627.12	253.76
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0192	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	14,067.21	296.06
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,461.96*	
22 13 33 00-0193	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	18,637.41	338.35
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0194	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	18,207.20	422.93
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,344.94*	
22 13 33 00-0195	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	26,572.88	465.22
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0196	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	29,218.03	507.52
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,705.76*	
22 13 33 00-0197	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	42,561.13	549.81
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0198	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	46,801.71	592.10
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0199	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	50,543.40	676.70
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,943.42*	
		For Horizontal Service Car, Add	*6,914.17*	
22 13 33 00-0200	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	64,442.78	761.28
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0201	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	68,929.51	845.86
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	
22 13 33 00-0202	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	84,334.18	888.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,714.67*	
		For Horizontal Service Car, Add	*9,219.54*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0203	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	111,314.48	930.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0204	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	136,172.02	1,099.63
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0205	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	131,879.60	1,141.92
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,035.65*	
		For Horizontal Service Car, Add	*10,532.16*	
22 13 33 00-0206	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	135,825.67	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0207	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	143,731.47	1,268.80
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0208	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	152,191.18	1,353.38
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*10,863.73*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0209	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	152,507.44	1,184.21
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0210	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	190,999.11	1,437.97
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	
22 13 33 00-0211	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	174,828.04	1,607.14
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,311.48*	
		For Horizontal Service Car, Add	*13,555.28*	

22 13 33 00-0212 Submersible Pump Add-On Accessories (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0213	EA	3" Stainless Steel Discharge Connection Package for 2" Guide Rails	4,095.84
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0214	EA	4" Stainless Steel Discharge Connection Package for 2" Guide Rails	4,485.92
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0215	EA	6" Stainless Steel Discharge Connection Package for 2" Guide Rails	4,876.00
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0216	EA	8" Stainless Steel Discharge Connection Package for 2" Guide Rails	6,143.76
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0217	EA	6" Stainless Steel Discharge Connection Package for 3" Guide Rails	12,287.52
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0218	EA	8" Stainless Steel Discharge Connection Package for 3" Guide Rails	12,287.52
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0219	EA	10" Stainless Steel Discharge Connection Package for 3" Guide Rails	13,555.28
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0220	EA	12" Stainless Steel Discharge Connection Package for 3" Guide Rails	17,651.12
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0221	EA	14" Stainless Steel Discharge Connection Package for 3" Guide Rails	20,479.20
		Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	
22 13 33 00-0222	EA	Mini CAS Unit: Thermal and Seal Protection Relay Unit Price	1,004.46

22 13 33 00-0223 Submersible Pumps (Vaughan) *(22 13 33)*

22 13 33 00-0224 Electric Submersible Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0225	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	18,077.64	338.35
22 13 33 00-0226	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	20,372.14	422.93
22 13 33 00-0227	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	20,160.67	338.35
22 13 33 00-0228	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	22,221.12	422.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0229	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	24,283.52	507.52
22 13 33 00-0230	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	26,693.09	592.10
22 13 33 00-0231	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	23,377.71	422.93
22 13 33 00-0232	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	25,325.03	507.52
22 13 33 00-0233	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	27,617.58	592.10
22 13 33 00-0234	EA	20 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	28,985.63	676.70
22 13 33 00-0235	EA	15 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	28,311.92	592.10
22 13 33 00-0236	EA	20 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	29,679.97	676.70
22 13 33 00-0237	EA	25 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	33,823.45	761.28
22 13 33 00-0238	EA	30 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	35,653.74	845.86
22 13 33 00-0239	EA	5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	28,486.93	338.35
22 13 33 00-0240	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	24,207.75	338.35
22 13 33 00-0241	EA	5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	21,720.99	338.35
22 13 33 00-0242	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	30,432.30	422.93
22 13 33 00-0243	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	26,153.13	422.93
22 13 33 00-0244	EA	7.5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	23,839.95	422.93
22 13 33 00-0245	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	27,753.28	507.52
22 13 33 00-0246	EA	10 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	25,787.28	507.52
22 13 33 00-0247	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	28,079.83	592.10
22 13 33 00-0248	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	29,564.90	676.70
22 13 33 00-0249	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	33,129.10	761.28
22 13 33 00-0250	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	26,058.68	338.35
22 13 33 00-0251	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	32,283.23	422.93
22 13 33 00-0252	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	28,004.06	422.93
22 13 33 00-0253	EA	10 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	33,073.97	507.52
22 13 33 00-0254	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	29,604.21	507.52
22 13 33 00-0255	EA	15 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	33,515.59	592.10
22 13 33 00-0256	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	29,930.75	592.10
22 13 33 00-0257	EA	20 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	35,230.81	676.70
22 13 33 00-0258	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	30,836.56	676.70
22 13 33 00-0259	EA	25 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	39,144.14	761.28
22 13 33 00-0260	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	34,517.79	761.28
22 13 33 00-0261	EA	30 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	38,661.26	845.86
22 13 33 00-0262	EA	5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	36,583.04	338.35
22 13 33 00-0263	EA	7.5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	38,990.66	422.93
22 13 33 00-0264	EA	7.5 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	34,711.48	422.93
22 13 33 00-0265	EA	10 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	39,666.32	507.52
22 13 33 00-0266	EA	10 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	36,196.56	507.52
22 13 33 00-0267	EA	15 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	47,624.78	592.10
22 13 33 00-0268	EA	15 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	40,107.94	592.10
22 13 33 00-0269	EA	20 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	41,708.09	676.70
22 13 33 00-0270	EA	25 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	45,619.47	761.28
22 13 33 00-0271	EA	25 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	40,993.12	761.28
22 13 33 00-0272	EA	30 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	47,681.86	845.86
22 13 33 00-0273	EA	30 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	45,136.58	845.86
22 13 33 00-0274	EA	10 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	42,671.89	507.52
22 13 33 00-0275	EA	15 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	50,632.30	592.10
22 13 33 00-0276	EA	15 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	43,000.39	592.10
22 13 33 00-0277	EA	20 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	59,749.29	676.70
22 13 33 00-0278	EA	20 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	44,713.65	676.70
22 13 33 00-0279	EA	25 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	60,423.00	761.28
22 13 33 00-0280	EA	25 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	48,626.98	761.28
22 13 33 00-0281	EA	30 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	63,409.88	845.86
22 13 33 00-0282	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	50,572.35	845.86
22 13 33 00-0283	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8P)	50,572.35	845.86
22 13 33 00-0284	EA	25 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	69,213.45	761.28
22 13 33 00-0285	EA	30 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	72,200.33	845.86
22 13 33 00-0286	EA	30 HP, 1170 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	59,709.97	845.86
22 13 33 00-0287		**Horizontal Chopper Pumps (Vaughan)** *(22 13 33 00-0223)*		
22 13 33 00-0288	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3F6/HE3G6)	18,521.21	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0289	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3L6/HE3M6)	19,445.70	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0290	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3P6)	19,907.95	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0291	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3V6/HE3W6)	19,907.95	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0292	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4K6/HE4L6)	20,583.61	634.40
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0293	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4S6/HE4T6)	21,508.10	634.40
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0294	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6U8)	23,676.23	792.99
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0295	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6W8/6X)	23,676.23	792.99
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0296	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3F6/HE3G6)	18,983.46	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0297	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3L6/HE3M6)	19,907.95	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0298	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3P6)	20,372.14	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0299	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3V6/HE3W6)	20,372.14	528.66
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0300	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4K6/HE4L6)	21,045.86	634.40
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0301	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4S6/HE4T6)	21,970.35	634.40
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0302	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE6U8)	24,138.48	792.99
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
		For Base, Deduct	*-1,072.72*	
22 13 33 00-0303	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3F6/STHE3G6)	26,270.15	528.66
22 13 33 00-0304	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3L6/STHE3M6)	27,426.74	528.66
22 13 33 00-0305	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3P6)	28,583.33	528.66
22 13 33 00-0306	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3V6/STHE3W6)	28,583.33	528.66
22 13 33 00-0307	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4K6/STHE4L6)	29,257.04	634.40
22 13 33 00-0308	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4S6/STHE4T6)	35,732.37	634.40
22 13 33 00-0309	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6U8)	43,683.43	792.99
22 13 33 00-0310	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6W8/6X)	43,683.43	792.99
22 13 33 00-0311	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3F6/STHE3G6)	26,732.40	528.66
22 13 33 00-0312	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3L6/STHE3M6)	27,888.98	528.66
22 13 33 00-0313	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3P6)	29,045.57	528.66
22 13 33 00-0314	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3V6/STHE3W6)	29,045.57	528.66
22 13 33 00-0315	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4K6/STHE4L6)	29,719.28	634.40
22 13 33 00-0316	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4S6/STHE4T6)	36,196.56	634.40
22 13 33 00-0317	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6U8)	44,145.68	792.99
22 13 33 00-0318	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6W8/6X)	44,145.68	792.99
22 13 33 00-0319		Horizontal End Suction Pumps (Vaughan) *(22 13 33 00-0223)*		
22 13 33 00-0320	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES)	37,987.55	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0321	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET)	40,300.72	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0322	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	47,008.15	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0323	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	47,008.15	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0324	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES)	49,321.32	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0325	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	47,008.15	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0326	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	63,853.45	1,163.07
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,145.44*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0327	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	63,853.45	1,163.07
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,145.44*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0328	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	75,842.25	1,374.53
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,340.48*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0329	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	75,842.25	1,374.53
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,340.48*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0330	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES)	62,506.03	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0331	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET)	64,819.20	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0332	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	80,084.98	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0333	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	80,084.98	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0334	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES)	82,398.16	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0335	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	80,084.98	951.59
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-1,950.40*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0336	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	104,794.29	1,163.07
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,145.44*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0337	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	104,794.29	1,163.07
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,145.44*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0338	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	122,796.18	1,374.53
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,340.48*	
		For Coupling, Deduct	*-390.08*	
22 13 33 00-0339	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	122,796.18	1,374.53
		For Stool, Deduct	*-975.20*	
		For No Base, Deduct	*-2,340.48*	
		For Coupling, Deduct	*-390.08*	

22 13 33 00-0340 Vertical Pedestal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0341	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3F6/PE3G6)	18,521.21	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0342	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3L6/PE3M6)	19,445.70	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0343	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3P6)	19,907.95	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0344	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3V6/PE3W6)	19,907.95	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0345	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4K6/PE4L6)	20,583.61	634.40
		For Pedestal, Deduct	*-1,222.06*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0346	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4S6/PE4T6)	21,508.10	634.40
		For Pedestal, Deduct	*-1,222.06*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0347	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE6U8)	24,138.48	792.99
		For pedestal, Deduct	*-1,560.32*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0348	EA	Ductile Iron And Stainless Steel, Upgraded Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8K-PES)	38,679.94	951.59
		For No Stool, Deduct	*-975.20*	
		For No Coupling, Deduct	*-390.08*	
		For No Pedestal, Deduct	*-2,340.48*	
22 13 33 00-0349	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3F6/PE3G6)	18,983.46	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0350	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PE)	47,932.64	951.59
		For No Stool, Deduct	*-975.20*	
		For No Coupling, Deduct	*-390.08*	
		For No Pedestal, Deduct	*-2,340.48*	
		For Stool, Deduct	*-975.20*	
22 13 33 00-0351	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3L6/PE3M6)	19,907.95	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0352	EA	Ductile Iron And Stainless Steel, Standard Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PER)	47,932.64	951.59
		For No Stool, Deduct	*-975.20*	
		For No Coupling, Deduct	*-390.08*	
		For No Pedestal, Deduct	*-2,340.48*	
22 13 33 00-0353	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3P6)	20,372.14	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0354	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8N-PE)	47,932.64	951.59
		For No Stool, Deduct	*-975.20*	
		For No Coupling, Deduct	*-390.08*	
		For No Pedestal, Deduct	*-2,340.48*	
22 13 33 00-0355	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3V6/PE3W6)	20,372.14	528.66
		For Pedestal, Deduct	*-1,072.72*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0356	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 10R-PE)	65,472.28	1,163.07
		For No Stool, Deduct	*-975.20*	
		For No Coupling, Deduct	*-390.08*	
		For No Pedestal, Deduct	*-2,535.52*	
22 13 33 00-0357	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4K6/PE4L6)	21,045.86	634.40
		For Pedestal, Deduct	*-1,222.06*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0358	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 12W-PE)	77,461.08	1,374.53
		For No Stool, Deduct	*-975.20*	
		For No Coupling, Deduct	*-390.08*	
		For No Pedestal, Deduct	*-2,730.56*	
22 13 33 00-0359	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4S6/PE4T6)	21,970.35	634.40
		For Pedestal, Deduct	*-1,222.06*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	
22 13 33 00-0360	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE6W8/6X)	24,600.72	792.99
		For pedestal, Deduct	*-1,560.32*	
		For Stool, Deduct	*-682.64*	
		For Coupling, Deduct	*-195.04*	

22 13 33 00-0361 Submersible Pump Accessories (Vaughan) *(22 13 33)*

22 13 33 00-0362	EA	Guide Rail Adapter Bracket For 3" Submersible Pump	1,156.59	
22 13 33 00-0363	EA	Discharge Elbow Base For 3" Submersible Pump	1,709.76	60.69
22 13 33 00-0364	EA	Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	484.17	10.83
22 13 33 00-0365	EA	Intermediate Guide Rail Support Bracket (Every 10') For 3" Sumbersible Pump	462.24	
22 13 33 00-0366	EA	Class 1, Guide Rail Adapter Bracket For 3" Submersible Pump	3,007.52	
22 13 33 00-0367	EA	Class 1, Discharge Elbow Base For 3" Submersible Pump	1,618.83	
22 13 33 00-0368	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	484.17	10.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0369	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 3" Submersible Pump	462.24	
22 13 33 00-0370	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 3" Submersible Pump	809.42	
22 13 33 00-0371	EA	25', Galvanized, Safety Chain With Hook For 3" Submersible Pump	694.34	
22 13 33 00-0372	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 3" Submersible Pump	1,618.83	
22 13 33 00-0373	LF	Galvanized Pipe, Guide Rails For 3" Submersible Pump	92.14	10.83
22 13 33 00-0374	LF	316 Stainless Steel Pipe, Guide Rails For 3" Submersible Pump	172.11	10.83
22 13 33 00-0375	EA	Stainless Steel, Cable Holder Bracket For 3" Submersible Pump	577.32	
22 13 33 00-0376	EA	Guide Rail Adapter Bracket For 4" Submersible Pump	1,388.68	
22 13 33 00-0377	EA	Discharge Elbow Base For 4" Submersible Pump	1,956.66	70.52
22 13 33 00-0378	EA	Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	484.17	10.83
22 13 33 00-0379	EA	Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	485.65	
22 13 33 00-0380	EA	Class 1, Guide Rail Adapter Bracket For 4" Submersible Pump	3,237.66	
22 13 33 00-0381	EA	Class 1, Discharge Elbow Base For 4" Submersible Pump	1,850.93	
22 13 33 00-0382	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	484.17	10.83
22 13 33 00-0383	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	485.65	
22 13 33 00-0384	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 4" Submersible Pump	809.42	
22 13 33 00-0385	EA	25', Galvanized, Safety Chain With Hook For 4" Submersible Pump	694.34	
22 13 33 00-0386	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 4" Submersible Pump	1,618.83	
22 13 33 00-0387	EA	Galvanized Pipe, Guide Rails For 4" Submersible Pump	70.21	
22 13 33 00-0388	EA	316 Stainless Steel Pipe, Guide Rails For 4" Submersible Pump	172.11	10.83
22 13 33 00-0389	EA	Stainless Steel, Cable Holder Bracket For 4" Submersible Pump	577.32	
22 13 33 00-0390	EA	Portable Stand For 4" Submersible Pump	924.49	
22 13 33 00-0391	EA	Guide Rail Adapter Bracket For 6" Submersible Pump	1,618.83	
22 13 33 00-0392	EA	Discharge Elbow Base For 6" Submersible Pump	2,450.62	91.67
22 13 33 00-0393	EA	Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	484.17	10.83
22 13 33 00-0394	EA	Intermediate Guide Rail Support Bracket (Every 10') For 6" Sumbersible Pump	509.05	
22 13 33 00-0395	EA	Class 1, Guide Rail Adapter Bracket For 6" Submersible Pump	3,469.76	
22 13 33 00-0396	EA	Class 1, Discharge Elbow Base For 6" Submersible Pump	2,313.17	
22 13 33 00-0397	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	484.17	10.83
22 13 33 00-0398	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 6" Submersible Pump	509.05	
22 13 33 00-0399	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 6" Submersible Pump	809.42	
22 13 33 00-0400	EA	25', Galvanized, Safety Chain With Hook For 6" Submersible Pump	694.34	
22 13 33 00-0401	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 6" Submersible Pump	1,618.83	
22 13 33 00-0402	EA	Galvanized Pipe, Guide Rails For 6" Submersible Pump	70.21	
22 13 33 00-0403	EA	316 Stainless Steel Pipe, Guide Rails For 6" Submersible Pump	172.11	10.83
22 13 33 00-0404	EA	Stainless Steel, Cable Holder Bracket For 6" Submersible Pump	577.32	
22 13 33 00-0405	EA	Portable Stand For 6" Submersible Pump	924.49	
22 13 33 00-0406	EA	Guide Rail Adapter Bracket For 8" Submersible Pump	2,081.08	
22 13 33 00-0407	EA	Discharge Elbow Base For 8" Submersible Pump	3,622.01	101.50
22 13 33 00-0408	EA	Intermediate Guide Rail Support Bracket (Every 10') For 8" Sumbersible Pump	809.42	
22 13 33 00-0409	EA	Class 1, Guide Rail Adapter Bracket For 8" Submersible Pump	3,932.01	
22 13 33 00-0410	EA	Class 1, Discharge Elbow Base For 8" Submersible Pump	3,469.76	
22 13 33 00-0411	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 8" Submersible Pump	716.27	10.83
22 13 33 00-0412	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 8" Submersible Pump	809.42	
22 13 33 00-0413	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 8" Submersible Pump	1,733.91	
22 13 33 00-0414	EA	25', Galvanized, Safety Chain With Hook For 8" Submersible Pump	1,388.68	
22 13 33 00-0415	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 8" Submersible Pump	3,932.01	
22 13 33 00-0416	EA	Galvanized Pipe, Guide Rails For 8" Submersible Pump	115.07	
22 13 33 00-0417	EA	316 Stainless Steel Pipe, Guide Rails For 8" Submersible Pump	254.03	10.83
22 13 33 00-0418	EA	Stainless Steel, Cable Holder Bracket For 8" Submersible Pump	577.32	
22 13 33 00-0419	EA	Portable Stand For 8" Submersible Pump	2,081.08	
22 13 33 00-0420	EA	Guide Rail Adapter Bracket For 10" Submersible Pump	2,545.27	
22 13 33 00-0421	EA	Discharge Elbow Base For 10" Submersible Pump	4,099.07	111.02
22 13 33 00-0422	EA	Straight Thru Discharge Base For 10" Submersible Pump	3,932.01	
22 13 33 00-0423	EA	Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	716.27	10.94
22 13 33 00-0424	EA	Intermediate Guide Rail Support Bracket (Every 10') For 10" Sumbersible Pump	1,542.77	
22 13 33 00-0425	EA	Class 1, Guide Rail Adapter Bracket For 10" Submersible Pump	5,320.69	
22 13 33 00-0426	EA	Class 1, Discharge Elbow Base For 10" Submersible Pump	3,932.01	
22 13 33 00-0427	EA	Class 1, Straight Thru Discharge Base For 10" Submersible Pump	3,932.01	
22 13 33 00-0428	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	716.27	10.94
22 13 33 00-0429	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 10" Submersible Pump	1,156.59	
22 13 33 00-0430	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 10" Submersible Pump	1,733.91	
22 13 33 00-0431	EA	25', Galvanized, Safety Chain With Hook For 10" Submersible Pump	1,388.68	
22 13 33 00-0432	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 10" Submersible Pump	3,932.01	
22 13 33 00-0433	EA	Galvanized Pipe, Guide Rails For 10" Submersible Pump	137.00	10.94
22 13 33 00-0434	EA	316 Stainless Steel Pipe, Guide Rails For 10" Submersible Pump	254.03	10.94
22 13 33 00-0435	EA	Stainless Steel, Cable Holder Bracket For 10" Submersible Pump	577.32	
22 13 33 00-0436	EA	Portable Stand For 10" Submersible Pump	2,081.08	
22 13 33 00-0437	EA	5 - 15 HP, 3" - 6" Pump Belt Drive	2,775.42	
22 13 33 00-0438	EA	20 - 30 HP, 3" - 6" Pump Belt Drive	3,007.52	
22 13 33 00-0439	EA	40 - 50 HP, 3" - 6" Pump Belt Drive	3,237.66	
22 13 33 00-0440	EA	60 - 75 HP, 3" - 6" Pump Belt Drive	3,469.76	
22 13 33 00-0441	EA	100 HP, 3" - 6" Pump Belt Drive	3,701.86	
22 13 33 00-0442	EA	5 - 15 HP, 8" - 12" Pump Belt Drive	4,164.10	
22 13 33 00-0443	EA	20 - 30 HP, 8" - 12" Pump Belt Drive	4,394.25	
22 13 33 00-0444	EA	40 - 50 HP, 8" - 12" Pump Belt Drive	4,626.35	
22 13 33 00-0445	EA	60 - 75 HP, 8" - 12" Pump Belt Drive	4,856.50	
22 13 33 00-0446	EA	100 HP, 8" - 12" Pump Belt Drive	5,320.69	
22 13 33 00-0447	EA	125 HP, 8" - 12" Pump Belt Drive	6,245.18	
22 13 33 00-0448	EA	150 - 200 HP, 8" - 12" Pump Belt Drive	6,477.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0449		Submersible Pumps (Zoeller) *(22 13 33)*		
22 13 33 00-0450	EA	.5 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6282)	3,235.28	296.06
		For Moisture Probe, Add	*257.45*	
		For 3 Phase Adder, Add	*160.91*	
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 50' Cord Adder, Add	*268.18*	
22 13 33 00-0451	EA	1 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6284)	3,519.86	338.35
		For Moisture Probe, Add	*257.45*	
		For 3 Phase Adder, Add	*160.91*	
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 50' Cord Adder, Add	*268.18*	
22 13 33 00-0452	EA	1 HP, 2" Discharge, 3450 RPM, Vortex Impeller With 25' Cord (Zoeller 6292)	3,409.66	338.35
		For Moisture Probe, Add	*257.45*	
		For 3 Phase Adder, Add	*160.91*	
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 50' Cord Adder, Add	*268.18*	
22 13 33 00-0453	EA	.5 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6282)	5,899.91	296.06
		For 3 Phase Adder, Add	*160.91*	
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 50' Cord Adder, Add	*268.18*	
22 13 33 00-0454	EA	1 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6284)	6,546.29	338.35
		For 3 Phase Adder, Add	*160.91*	
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 50' Cord Adder, Add	*268.18*	
22 13 33 00-0455	EA	1 HP, 2" Discharge, 3450 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6292)	6,310.88	338.35
		For 3 Phase Adder, Add	*160.91*	
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 50' Cord Adder, Add	*268.18*	
22 13 33 00-0456	EA	1 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6120)	7,213.53	338.35
22 13 33 00-0457	EA	1.5 HP, 3" Dischrage, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6121)	7,748.88	454.66
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For Thermal And Moisture Sensors, Add	*364.72*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0458	EA	2 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6122)	7,906.63	570.95
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For Thermal And Moisture Sensors, Add	*364.72*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0459	EA	3 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6123)	8,696.69	687.26
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For Thermal And Moisture Sensors, Add	*364.72*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0460	EA	5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6124)	9,757.87	803.57
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For Thermal And Moisture Sensors, Add	*364.72*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0461	EA	7.5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6125)	12,104.36	919.88
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For Thermal And Moisture Sensors, Add	*364.72*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0462	EA	1 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6120)	8,841.91	338.35
22 13 33 00-0463	EA	1.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6121)	9,209.92	454.66
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For 50' Cord Adder, Add	*536.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0464	EA	2 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6122)	9,745.27	570.95
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0465	EA	3 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6123)	10,471.56	687.26
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0466	EA	5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller Engineered Products X6124)	11,534.68	803.57
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0467	EA	7.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6125)	12,104.36	919.88
		For Silicone Carbide / Silicone Carbide Seal	*182.36*	
		For Certified Test, Add	*429.09*	
		For 1 Phase Adder, Add	*236.00*	
		For 3" Solids Capacity, Add	*600.72*	
		For Impeller Trim, Add	*321.82*	
		For 50' Cord Adder, Add	*536.36*	
22 13 33 00-0468	EA	115 V/230 V, Variable Level Control Switch With 25' Cord (Zoeller 10-1877)	160.14	26.44
22 13 33 00-0469	EA	115 V/230 V, Variable Level Control Switch With 50' Cord (Zoeller 10-1879)	215.92	26.44
22 13 33 00-0470	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 25' Cord (Zoeller 10-2066)	198.76	26.44
22 13 33 00-0471	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 50' Cord (Zoeller 10-2068)	254.54	26.44
22 13 33 00-0472	EA	Stainless Steel, 4 Float Bracket (Zoeller 10-0253)	368.17	66.61
22 13 33 00-0473	EA	2" Z Rail Base Elbow And Disconnect (Zoeller 39-0128)	1,455.68	49.70
22 13 33 00-0474	EA	2" Z Rail Base Elbow And Disconnect With Stainless Steel Upper Rail Bracket (Zoeller 39-0129)	1,897.64	49.70
22 13 33 00-0475	EA	3" Base Elbow And Disconnect (Zoeller 39-0094)	2,487.39	60.26
22 13 33 00-0476	EA	4" Base Elbow And Disconnect (Zoeller 39-0016)	3,337.54	70.84
22 13 33 00-0477		Mounted Motors (Vaughan) *(22 13 33)*		
22 13 33 00-0478		C-FACE Mounted Motors (Vaughan) *(22 13 33 00-0477)*		
22 13 33 00-0479	EA	5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,507.24	249.26
22 13 33 00-0480	EA	5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,680.83	249.26
22 13 33 00-0481	EA	5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,235.58	249.26
22 13 33 00-0482	EA	5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,432.57	249.26
22 13 33 00-0483	EA	7.5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	4,726.93	249.26
22 13 33 00-0484	EA	7.5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,618.26	249.26
22 13 33 00-0485	EA	7.5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,049.58	249.26
22 13 33 00-0486	EA	7.5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,340.19	249.26
22 13 33 00-0487	EA	10 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	5,887.87	436.20
22 13 33 00-0488	EA	10 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,847.47	436.20
22 13 33 00-0489	EA	10 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,494.73	436.20
22 13 33 00-0490	EA	10 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,875.06	436.20
22 13 33 00-0491	EA	15 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,818.39	436.20
22 13 33 00-0492	EA	15 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,421.06	436.20
22 13 33 00-0493	EA	15 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	4,927.90	436.20
22 13 33 00-0494	EA	15 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,378.44	436.20
22 13 33 00-0495	EA	15 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	4,904.49	436.20
22 13 33 00-0496	EA	20 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,676.09	623.14
22 13 33 00-0497	EA	20 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	11,086.23	623.14
22 13 33 00-0498	EA	20 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,079.55	623.14
22 13 33 00-0499	EA	20 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,276.54	623.14
22 13 33 00-0500	EA	20 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	5,974.23	623.14
22 13 33 00-0501	EA	25 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	11,444.87	623.14
22 13 33 00-0502	EA	25 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,416.17	623.14
22 13 33 00-0503	EA	25 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,442.65	623.14
22 13 33 00-0504	EA	25 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,743.01	623.14
22 13 33 00-0505	EA	25 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TSC)	7,269.06	623.14
22 13 33 00-0506	EA	30 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	13,394.59	623.14
22 13 33 00-0507	EA	30 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,135.74	623.14
22 13 33 00-0508	EA	30 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,115.41	623.14
22 13 33 00-0509	EA	30 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,429.43	623.14
22 13 33 00-0510	EA	40 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	16,001.04	934.71
22 13 33 00-0511	EA	40 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	20,280.22	934.71
22 13 33 00-0512	EA	40 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	11,895.45	934.71
22 13 33 00-0513	EA	50 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	21,826.94	934.71
22 13 33 00-0514	EA	50 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	22,809.95	934.71
22 13 33 00-0515	EA	50 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	12,367.50	934.71
22 13 33 00-0516	EA	50 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	13,557.25	934.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0517		**Foot Mounted Motors (Vaughan)** *(22 13 33 00-0477)*		
22 13 33 00-0518	EA	5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,241.99	249.26
22 13 33 00-0519	EA	5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,589.16	249.26
22 13 33 00-0520	EA	5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,118.56	249.26
22 13 33 00-0521	EA	5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,397.46	249.26
22 13 33 00-0522	EA	7.5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,311.49	249.26
22 13 33 00-0523	EA	7.5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,247.68	249.26
22 13 33 00-0524	EA	7.5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	2,587.34	249.26
22 13 33 00-0525	EA	7.5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	3,281.68	249.26
22 13 33 00-0526	EA	10 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,425.63	436.20
22 13 33 00-0527	EA	10 HP, 1170 RPM, hemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,488.60	436.20
22 13 33 00-0528	EA	10 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,215.83	436.20
22 13 33 00-0529	EA	10 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,818.50	436.20
22 13 33 00-0530	EA	15 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,205.96	436.20
22 13 33 00-0531	EA	15 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,935.41	436.20
22 13 33 00-0532	EA	15 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,245.26	436.20
22 13 33 00-0533	EA	15 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,158.04	436.20
22 13 33 00-0534	EA	20 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,063.67	623.14
22 13 33 00-0535	EA	20 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	10,588.88	623.14
22 13 33 00-0536	EA	20 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,270.14	623.14
22 13 33 00-0537	EA	20 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,159.52	623.14
22 13 33 00-0538	EA	25 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	10,670.56	623.14
22 13 33 00-0539	EA	25 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,756.93	623.14
22 13 33 00-0540	EA	25 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	6,436.24	623.14
22 13 33 00-0541	EA	25 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,639.64	623.14
22 13 33 00-0542	EA	30 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,446.70	623.14
22 13 33 00-0543	EA	30 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	13,476.51	623.14
22 13 33 00-0544	EA	30 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	7,646.76	623.14
22 13 33 00-0545	EA	30 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,047.15	623.14
22 13 33 00-0546	EA	40 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	15,850.86	934.71
22 13 33 00-0547	EA	40 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	18,302.51	934.71
22 13 33 00-0548	EA	40 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	10,067.92	934.71
22 13 33 00-0549	EA	40 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,004.12	934.71
22 13 33 00-0550	EA	50 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	20,682.06	934.71
22 13 33 00-0551	EA	50 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	21,444.67	934.71
22 13 33 00-0552	EA	50 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,043.74	934.71
22 13 33 00-0553	EA	50 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,806.34	934.71
22 13 33 00-0554		**Submersible Pumps (Hayward Gordon)** *(22 13 33)*		
22 13 33 00-0555		**Chopper Pumps (Hayward Gordon)** *(22 13 33 00-0554)*		
22 13 33 00-0556	EA	5 HP, 460 Volt, 60 Hertz, 28' Total Dynamic Head, 180 GPM, 1510 RPM, 3 Phase, Submersible Chopper Pump (Hayward Gordon)	32,442.34	338.35
22 13 33 00-0557	EA	20 HP, 460 Volt, 60 Hertz, 60' Total Dynamic Head, 600 GPM, 1570 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 20-60-600-1570SP)	55,035.17	676.70
22 13 33 00-0558	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 790 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 75-29-5500-790SP)	103,524.69	1,141.92
22 13 33 00-0559		**Recessed Impeller Centrifugal Pumps (Hayward Gordon)** *(22 13 33 00-0554)*		
22 13 33 00-0560	EA	40 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 450 GPM, 1460 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	46,795.25	930.45
22 13 33 00-0561	EA	50 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 1,000 GPM, 1550 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	52,142.94	1,099.63
22 13 33 00-0562	EA	100 HP, 460 Volt, 60 Hertz, 130' Total Dynamic Head, 900 GPM, 1430 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon 100-130-900-1430SP)	85,856.12	1,353.38
22 13 33 00-0563	EA	100 HP, 460 Volt, 60 Hertz, 53' To 132' Total Dynamic Head, 952 GPM, 1450 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	85,856.12	1,353.38
22 13 33 00-0564		**Screw Centrifugal Pumps (Hayward Gordon)** *(22 13 33 00-0554)*		
22 13 33 00-0565	EA	25 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 900 GPM, 1700 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	44,324.40	761.28
22 13 33 00-0566	EA	60 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 1500 GPM, 1460 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	63,611.29	1,099.63
22 13 33 00-0567	EA	75 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 1440 GPM, 1510 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	72,123.25	1,141.92
22 13 33 00-0568	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 970 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon 75-29-5500-970SP)	98,473.15	1,141.92
22 13 33 00-0569	EA	100 HP, 460 Volt, 60 Hertz, 44' Total Dynamic Head, 4514 GPM, 1030 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	97,831.58	1,353.38
22 13 33 00-0570	EA	100 HP, 460 Volt, 60 Hertz, 132' Total Dynamic Head, 900 GPM, 1690 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	73,919.68	1,353.38
22 13 36		**Packaged, Wastewater Pump Units** *(22 13)*		
22 13 36 00-0001		Dri-Prime Pumps With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard *(22 13 36)*		
22 13 36 00-0002	EA	4" Trailer Mounted Trash Pump (Godwin Pumps CD100M)	35,569.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 36 00-0003	EA	4" Skid Mounted Trash Pump (Godwin Pumps CD100M)	34,322.07	
22 13 36 00-0004	EA	6" Trailer Mounted Trash Pump (Godwin Pumps CD150M)	45,935.99	
22 13 36 00-0005	EA	6" Skid Mounted Trash Pump (Godwin Pumps CD150M)	44,299.85	
22 13 36 00-0006	EA	8" Trailer Mounted Trash Pump (Godwin Pumps CD225M)	64,919.27	
22 13 36 00-0007	EA	8" Skid Mounted Trash Pump (Godwin Pumps CD225M)	62,344.35	
22 13 36 00-0008		Dri-Prime Pumps Critically Silenced With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard *(22 13 36)*		
22 13 36 00-0009	EA	4" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD100M)	53,835.07	
22 13 36 00-0010	EA	4" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD100M)	48,785.83	
22 13 36 00-0011	EA	6" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD150M)	64,537.05	
22 13 36 00-0012	EA	6" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD150M)	59,528.04	
22 13 36 00-0013	EA	8" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD225M)	81,602.55	
22 13 36 00-0014	EA	8" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD225M)	74,528.25	
22 13 36 00-0015		Heidra Hydraulic Submersible Pumps With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard *(22 13 36)*		
		Note: Includes pump, pumpend, and hoses.		
22 13 36 00-0016	EA	4" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR)	39,033.04	
		Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0017	EA	4" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR)	37,904.43	
		Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0018	EA	6" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR)	52,583.37	
		Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0019	EA	6" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR)	50,872.93	
		Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0020	EA	8" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR)	96,984.71	
		Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0021	EA	8" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR)	91,383.72	
		Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0022		Heidra Hydraulic Submersible Pumps Critically Silenced With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard *(22 13 36)*		
		Note: Includes pump, pumpend, and hoses.		
22 13 36 00-0023	EA	4" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR)	61,563.18	
		Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0024	EA	4" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR)	56,663.19	
		Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0025	EA	6" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR)	77,251.56	
		Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0026	EA	6" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR)	69,856.01	
		Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0027	EA	8" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR)	121,169.21	
		Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0028	EA	8" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR)	111,951.06	
		Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.		
22 13 36 00-0029		Auto Start Controls Accessories *(22 13 36)*		
22 13 36 00-0030	EA	Two Float Assembly for Godwin PrimeGuard Controller	478.77	
22 13 36 00-0031	EA	Level Transducer for Godwin PrimeGuard Controller	2,403.25	
22 13 36 00-0032	EA	Pressure Transducer for Godwin PrimeGuard Controller	838.19	
22 13 36 00-0033	EA	3016D/4045D Auto Throttle for Godwin PrimeGuard Controller	1,401.45	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0001		Cast Iron Roof Drains *(22 14 26 13)*		
22 14 26 13-0002		Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*		
		Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	962.27	176.26
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,050.38	211.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,138.49	264.33
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,532.62	317.20
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,576.67	352.41
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,871.87	370.06
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,552.12	383.28
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0010		**Cast Iron Roof Drains With Expansion Joint** *(22 14 26 13-0001)*		
		Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,505.61	176.26
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,631.67	211.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,793.69	264.33
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,485.45	317.20
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,667.33	352.41
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0016		**Cast Iron Roof Drains With Flat Bronze Promenade Top** *(22 14 26 13-0001)*		
22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,093.93	176.26
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,182.04	211.47
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,270.15	264.33
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,647.51	317.20
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,691.56	352.41
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0022		Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*		
22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,360.65	70.52
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,395.89	88.08
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,411.91	96.11
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	1,987.88	127.41
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,044.08	155.54
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0028		Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*		
		Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,058.67	176.26
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,146.78	211.47
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,234.89	264.33
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0032		Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*		
22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,142.50	176.26
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,230.61	211.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,318.72	264.33
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,712.85	317.20
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,756.90	352.41
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,052.10	370.06
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,732.35	383.28
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0040		Aluminum Roof Drains *(22 14 26 13)*		
22 14 26 13-0041		Aluminum Dome Roof Drains *(22 14 26 13-0040)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,173.93	176.26
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,262.04	211.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,350.15	264.33
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,788.33	352.09
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,083.74	370.06
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,763.78	383.28
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	831.77	211.47
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	934.93	264.33
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,127.29	317.20
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,231.52	352.09
22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	967.19	211.47
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,064.33	264.33
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,265.72	317.20
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,327.83	352.09
22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	837.79	211.47
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	940.95	264.33
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,133.31	317.20
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,189.39	352.09
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	505.85	105.73
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	505.85	105.73
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	505.85	105.73
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	794.35	132.17
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	794.35	132.17
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,041.11	132.17
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,063.90	127.30
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,091.34	141.05
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,120.22	155.54
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,150.32	170.55
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,872.02	127.30
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,899.46	141.05
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,928.34	155.54
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,958.44	170.55
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,857.77	127.30
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,885.21	141.05
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,914.09	155.54
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,944.19	170.55
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,214.06	127.30
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,241.50	141.05
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,270.38	155.54
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,300.48	170.55
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,016.33	127.30
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,043.77	141.05
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,072.65	155.54
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,102.75	170.55
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	5,889.00	127.30
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	5,916.44	141.05
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	5,945.32	155.54
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	5,975.42	170.55
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,346.12	127.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,373.56	141.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,402.44	155.54
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	801.71	127.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	829.15	141.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	858.03	155.54
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,266.83	127.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,294.27	141.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,323.15	155.54
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,128.93	127.30
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,156.37	141.05
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,185.25	155.54
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,672.78	127.30
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,700.22	141.05
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,729.10	155.54
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,875.23	127.30
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,902.67	141.05
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,931.55	155.54
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,103.90	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,131.34	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,160.22	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	665.30	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	692.74	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	721.62	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,044.14	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,071.58	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,100.46	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	976.04	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	537.44	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	916.28	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,760.35	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,787.79	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,816.67	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,217.65	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,245.09	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,273.97	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,686.13	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,713.57	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,742.45	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,471.16	127.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,498.60	141.05
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,527.48	155.54
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,632.47	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,089.77	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,558.25	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,343.28	63.44
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,527.45	306.79
		For Explosion Proof Motor, Add	*295.95*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	6,882.56	371.32
		For Explosion Proof Motor, Add	*329.01*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	7,855.61	441.15
		For Explosion Proof Motor, Add	*425.03*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,351.60	542.71
		For Explosion Proof Motor, Add	*481.71*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	8,812.66	588.20
		For Explosion Proof Motor, Add	*703.67*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,447.02	705.62
		For Explosion Proof Motor, Add	*798.12*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,261.10	730.74
		For Explosion Proof Motor, Add	*1,308.16*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	14,881.13	921.24
		For Explosion Proof Motor, Add	*1,736.34*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,040.45	1,074.39
		For Explosion Proof Motor, Add	*2,251.11*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	21,589.91	1,289.74
		For Explosion Proof Motor, Add	*2,932.73*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,042.24	1,432.53
		For Explosion Proof Motor, Add	*4,648.61*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,044.88
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,143.34
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,251.08
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,502.17
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,679.03
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,709.60
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,919.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,100.06	
22 14 29 13-0022		**Support Plate** *(22 14 29 13)*		
22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	963.78	42.29
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	1,066.75	47.58
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,481.80	63.44
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	2,161.21	74.02
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,318.67	76.66
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,480.64	79.30
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	3,163.63	95.16
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	4,299.68	105.73
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,745.06	132.17
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,944.99	145.38
22 14 29 16		**Submersible Sump Pumps** *(22 14 29)*		
22 14 29 16-0001		Submersible Sump/Effluent Pumps *(22 14 29 16)*		
22 14 29 16-0002		Wet Pit Submersible Pumps, (KSB) Series KRT K *(22 14 29 16-0001)* Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0003		4 Pole / 1,750 RPM *(22 14 29 16-0002)*		
22 14 29 16-0004	EA	To 10 HP, 600 GPM At 32' Head, Wet Pit Submersible Pump	8,166.07	364.57
22 14 29 16-0005	EA	11-20 HP, 900 GPM At 60' Head, Wet Pit Submersible Pump	9,632.63	607.61
22 14 29 16-0006	EA	21-36 HP, 1,000 GPM At 105' Head, Wet Pit Submersible Pump	16,470.23	850.66
22 14 29 16-0007	EA	51-83 HP, 2,500GPM At 115' Head, Wet Pit Submersible Pump	39,496.45	1,093.71
22 14 29 16-0008	EA	83-110 HP, 2,600 GPM At 140' Head, Wet Pit Submersible Pump	42,844.79	1,336.75
22 14 29 16-0009	EA	83-110 HP, 3,000 GPM At 100' Head, Wet Pit Submersible Pump	46,483.70	1,336.75
22 14 29 16-0010	EA	83-110 HP, 3,500 GPM At 80' Head, Wet Pit Submersible Pump	47,362.85	1,336.75
22 14 29 16-0011	EA	110-160 HP, 3,000 GPM At 180' Head, Wet Pit Submersible Pump	55,134.28	1,579.80
22 14 29 16-0012	EA	110-160 HP, 3,500 GPM At 140' Head, Wet Pit Submersible Pump	56,693.32	1,579.80
22 14 29 16-0013	EA	110-160 HP, 4,500 GPM At 110' Head, Wet Pit Submersible Pump	58,647.36	1,579.80
22 14 29 16-0014	EA	160-210 HP, 3,800 GPM At 150' Head, Wet Pit Submersible Pump	62,384.70	1,822.84
22 14 29 16-0015	EA	160-210 HP, 5,000 GPM At 130' Head, Wet Pit Submersible Pump	66,544.47	1,822.84
22 14 29 16-0016		6 Pole / 1160 RPM *(22 14 29 16-0002)*		
22 14 29 16-0017	EA	To 10 HP, 1,100 GPM At 26' Head, Wet Pit Submersible Pump	11,333.08	364.57
22 14 29 16-0018	EA	To 10 HP, 1,800 GPM At 16' Head, Wet Pit Submersible Pump	12,269.90	364.57
22 14 29 16-0019	EA	11-24 HP, 1,400 GPM At 47' Head, Wet Pit Submersible Pump	15,984.14	607.61
22 14 29 16-0020	EA	11-24 HP, 2,400 GPM At 30' Head, Wet Pit Submersible Pump	17,412.09	607.61
22 14 29 16-0021	EA	21-50 HP, 2,100 GPM At 75' Head, Wet Pit Submersible Pump	25,174.27	850.66
22 14 29 16-0022	EA	21-50 HP, 2,400 GPM At 60' Head, Wet Pit Submersible Pump	26,689.62	850.66
22 14 29 16-0023	EA	21-50 HP, 3,200 GPM At 50' Head, Wet Pit Submersible Pump	32,249.37	850.66
22 14 29 16-0024	EA	21-50 HP, 5,000 GPM At 29' Head, Wet Pit Submersible Pump	38,496.01	850.66
22 14 29 16-0025	EA	51-80 HP, 2,800 GPM At 80' Head, Wet Pit Submersible Pump	39,236.03	1,093.71
22 14 29 16-0026	EA	51-80 HP, 4,000 GPM At 60' Head, Wet Pit Submersible Pump	44,844.72	1,093.71
22 14 29 16-0027	EA	51-80 HP, 5,500 GPM At 43' Head, Wet Pit Submersible Pump	45,201.27	1,093.71
22 14 29 16-0028	EA	76-112 HP, 2,200 GPM At 105' Head, Wet Pit Submersible Pump	53,083.40	1,336.75
22 14 29 16-0029	EA	76-112 HP, 4,100 GPM At 70' Head, Wet Pit Submersible Pump	57,103.34	1,336.75
22 14 29 16-0030	EA	76-112 HP, 6,500 GPM At 50' Head, Wet Pit Submersible Pump	65,835.35	1,336.75
22 14 29 16-0031	EA	112-143 HP, 2,500 GPM At 120' Head, Wet Pit Submersible Pump	71,780.33	1,579.80
22 14 29 16-0032	EA	112-143 HP, 6,500 GPM At 65' Head, Wet Pit Submersible Pump	72,302.92	1,579.80
22 14 29 16-0033	EA	155-200 HP, 3,000 GPM At 150' Head, Wet Pit Submersible Pump	89,003.70	1,822.84
22 14 29 16-0034	EA	155-200 HP, 6,000 GPM At 110' Head, Wet Pit Submersible Pump	98,632.33	1,822.84
22 14 29 16-0035	EA	201-280 HP, 6,500 GPM At 130' Head, Wet Pit Submersible Pump	108,224.89	2,065.88
22 14 29 16-0036	EA	281-450 HP, 12,000 GPM At 110' Head, Wet Pit Submersible Pump	154,957.13	2,308.94
22 14 29 16-0037		8 Pole / 875 RPM *(22 14 29 16-0002)*		
22 14 29 16-0038	EA	To 20 HP, 2,300 GPM At 25' Head, Wet Pit Submersible Pump	10,917.27	607.61
22 14 29 16-0039	EA	21-30 HP, 2,500 GPM At 31' Head, Wet Pit Submersible Pump	12,534.18	850.66
22 14 29 16-0040	EA	31-50 HP, 4,700 GPM At 29' Head, Wet Pit Submersible Pump	17,958.31	1,093.71
22 14 29 16-0041	EA	51-117 HP, 6,500 GPM At 45' Head, Wet Pit Submersible Pump	34,357.47	1,336.75
22 14 29 16-0042	EA	118-175 HP, 9,000 GPM At 60' Head, Wet Pit Submersible Pump	43,443.24	1,579.80
22 14 29 16-0043	EA	176-210 HP, 1,4000 GPM At 50' Head, Wet Pit Submersible Pump	59,219.44	1,822.84
22 14 29 16-0044	EA	211-250 HP, 14,000 GPM At 60' Head, Wet Pit Submersible Pump	63,220.79	2,065.88
22 14 29 16-0045		10 Pole / 700 RPM *(22 14 29 16-0002)*		
22 14 29 16-0046	EA	To 55 HP, 6,500 GPM At 25' Head Wet Pit Submersible Pump	29,781.47	850.66
22 14 29 16-0047	EA	56-76 HP, 7,000 GPM At 36' Head Wet Pit Submersible Pump	33,872.03	1,093.71
22 14 29 16-0048	EA	76-117 HP, 10,000 GPM At 30' Head Wet Pit Submersible Pump	50,896.90	1,336.75
22 14 29 16-0049	EA	118-150 HP, 11,500 GPM At 40' Head Wet Pit Submersible Pump	59,979.18	1,579.80
22 14 29 16-0050		Dry Pit Submersible Pumps, (KSB) Series KRT K-D *(22 14 29 16-0001)* Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0051		4 Pole / 1,750 RPM *(22 14 29 16-0050)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0052	EA	To 35 HP, 800 GPM At 90' Head Dry Pit Submersible Pump	25,995.74	850.66
22 14 29 16-0053	EA	To 35 HP, 1,700 GPM At 50' Head Dry Pit Submersible Pump	28,704.83	850.66
22 14 29 16-0054	EA	36-50 HP, 1,300 GPM At 80' Head Dry Pit Submersible Pump	29,712.97	972.19
22 14 29 16-0055	EA	36-50 HP, 2,000 GPM At 66' Head Dry Pit Submersible Pump	34,393.57	972.19
22 14 29 16-0056	EA	51-75 HP, 1,600 GPM At 110' Head Dry Pit Submersible Pump	51,299.97	1,093.71
22 14 29 16-0057	EA	51-75 HP, 2,400 GPM At 80' Head Dry Pit Submersible Pump	52,250.77	1,093.71
22 14 29 16-0058	EA	76-110 HP, 1,900 GPM At 125' Head Dry Pit Submersible Pump	56,423.44	1,336.75
22 14 29 16-0059	EA	76-110 HP, 2,600 GPM At 110' Head Dry Pit Submersible Pump	56,647.16	1,336.75
22 14 29 16-0060	EA	110-150 HP, 3,000 GPM At 160' Head Dry Pit Submersible Pump	80,234.43	1,579.80
22 14 29 16-0061	EA	110-150 HP, 4,000 GPM At 100' Head Dry Pit Submersible Pump	92,918.22	1,579.80
22 14 29 16-0062		**6 Pole / 1160 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0063	EA	To 35 HP, 1,300 GPM At 55' Head Dry Pit Submersible Pump	32,455.61	850.66
22 14 29 16-0064	EA	To 35 HP, 1,800 GPM At 45' Head Dry Pit Submersible Pump	35,577.18	850.66
22 14 29 16-0065	EA	To 35 HP, 2,800 GPM At 35' Head Dry Pit Submersible Pump	43,931.66	850.66
22 14 29 16-0066	EA	36-50 HP, 2,000 GPM At 55' Head Dry Pit Submersible Pump	47,860.37	972.19
22 14 29 16-0067	EA	36-50 HP, 3,200 GPM At 50' Head Dry Pit Submersible Pump	54,897.02	972.19
22 14 29 16-0068	EA	51-75 HP, 2,500 GPM At 88' Head Dry Pit Submersible Pump	60,385.03	1,093.71
22 14 29 16-0069	EA	51-75 HP, 5,500 GPM At 45' Head Dry Pit Submersible Pump	73,780.17	1,093.71
22 14 29 16-0070	EA	76-112 HP, 3,100 GPM At 100' Head Dry Pit Submersible Pump	83,222.46	1,336.75
22 14 29 16-0071	EA	76-112 HP, 8,400 GPM At 55' Head Dry Pit Submersible Pump	91,624.14	1,336.75
22 14 29 16-0072	EA	112-154 HP, 3,300 GPM At 130' Head Dry Pit Submersible Pump	112,079.35	1,579.80
22 14 29 16-0073	EA	112-154 HP, 5,000 GPM At 80' Head Dry Pit Submersible Pump	135,527.84	1,579.80
22 14 29 16-0074	EA	154-200 HP, 3,700 GPM At 140' Head Dry Pit Submersible Pump	140,032.47	1,822.84
22 14 29 16-0075	EA	154-200 HP, 5,700 GPM At 100' Head Dry Pit Submersible Pump	144,052.41	1,822.84
22 14 29 16-0076	EA	201-300 HP, 6,500 GPM At 130' Head Dry Pit Submersible Pump	211,916.62	2,065.88
22 14 29 16-0077		**8 Pole / 875 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0078	EA	To 35 HP, 2,000 GPM At 45' Head, Dry Pit Submersible Pump	46,471.22	850.66
22 14 29 16-0079	EA	To 35 HP, 2,400 GPM At 32' Head, Dry Pit Submersible Pump	58,553.76	850.66
22 14 29 16-0080	EA	36-50 HP, 4,600 GPM At 30' Head, Dry Pit Submersible Pump	65,635.50	972.19
22 14 29 16-0081	EA	51-75 HP, 4,250 GPM At 51' Head, Dry Pit Submersible Pump	81,584.10	1,093.71
22 14 29 16-0082	EA	76-110 HP, 4,600 GPM At 70' Head, Dry Pit Submersible Pump	103,152.62	1,336.75
22 14 29 16-0083	EA	76-110 HP, 8,500 GPM At 40' Head, Dry Pit Submersible Pump	110,031.97	1,336.75
22 14 29 16-0084	EA	110-154 HP, 5,000 GPM At 75' Head, Dry Pit Submersible Pump	121,325.21	1,579.80
22 14 29 16-0085	EA	110-154 HP, 9,000 GPM At 55' Head, Dry Pit Submersible Pump	135,589.01	1,579.80
22 14 29 16-0086	EA	110-154 HP, 12,000 GPM At 32' Head, Dry Pit Submersible Pump	176,461.31	1,579.80
22 14 29 16-0087	EA	154-214 HP, 13,000 GPM At 50' Head, Dry Pit Submersible Pump	231,568.25	1,822.84
22 14 29 16-0088	EA	215-244 HP, 14,000 GPM At 55' Head, Dry Pit Submersible Pump	251,261.35	2,065.88
22 14 29 16-0089		**10 Pole / 700 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0090	EA	To 55 HP, 3,600 GPM At 40' Head Dry Pit Submersible Pump	98,911.86	972.19
22 14 29 16-0091	EA	To 55 HP, 6,250 GPM At 28' Head Dry Pit Submersible Pump	105,563.99	972.19
22 14 29 16-0092	EA	56-75 HP, 4,000 GPM At 47' Head Dry Pit Submersible Pump	110,421.93	1,093.71
22 14 29 16-0093	EA	55-82 HP, 9,000 GPM At 37' Head Dry Pit Submersible Pump	115,036.99	1,093.71
22 14 29 16-0094	EA	76-110 HP, 10,500 GPM At 30' Head Dry Pit Submersible Pump	172,861.88	1,336.75
22 14 29 16-0095	EA	110-154 HP, 11,500 GPM At 40' Head Dry Pit Submersible Pump	190,247.96	1,579.80
22 14 29 16-0096	EA	154-214 HP, 13,000 GPM At 55' Head Dry Pit Submersible Pump	244,979.12	1,822.84
22 14 29 16-0097		**Submersible Sump Pump, Ebara** *(22 14 29 16-0001)*		
22 14 29 16-0098		**Submersible Sump Pump, 2", 3", 4" Ebara Model DSU** *(22 14 29 16-0097)*		
22 14 29 16-0099	EA	3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU62.2	3,601.58	253.76
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0100	EA	5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU63.7	4,098.07	338.35
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0101	EA	3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU62.2	3,803.62	253.76
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	
22 14 29 16-0102	EA	5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU63.7	4,189.81	338.35
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	
22 14 29 16-0103	EA	7.5 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU65.5	5,613.49	422.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*754.80*	
22 14 29 16-0104	EA	10 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU67.5	6,306.56	507.52
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*754.80*	
22 14 29 16-0105		**Submersible Sump Pump, 2", 3", Ebara Model DSHU, Rated 176 Degrees F** *(22 14 29 16-0097)*		
22 14 29 16-0106	EA	1/2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.4	1,606.06	84.58
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*220.15*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0107	EA	1 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.75	1,784.96	126.88
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*220.15*	
22 14 29 16-0108	EA	2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU61.5	2,642.93	211.47
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*220.15*	
22 14 29 16-0109	EA	3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU62.2	4,347.47	253.76
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0110	EA	5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU63.7	4,639.75	338.35
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0111	EA	3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU62.2	4,674.00	253.76
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	
22 14 29 16-0112	EA	5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU63.5	5,067.84	338.35
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	

22 14 29 16-0113 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0114 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0113)*

22 14 29 16-0115	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	515.45	68.90
22 14 29 16-0116	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	573.50	68.90
22 14 29 16-0117	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	912.89	72.91
22 14 29 16-0118	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,004.75	72.91

22 14 29 16-0119 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0113)*

Note: Includes 20' of cord with pump.

22 14 29 16-0120	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,553.39	72.91
22 14 29 16-0121	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,691.82	72.91
22 14 29 16-0122	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,776.03	80.37
22 14 29 16-0123	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,924.03	80.37
22 14 29 16-0124	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,977.61	91.85
22 14 29 16-0125	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,123.06	91.85
22 14 29 16-0126	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,121.78	109.08
22 14 29 16-0127	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,248.10	109.08

22 14 29 16-0128 Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*

Note: Includes 20' of cord with pump.

22 14 29 16-0129	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,236.46	68.90
22 14 29 16-0130	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,277.16	68.90
22 14 29 16-0131	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,597.80	72.91
22 14 29 16-0132	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,626.40	72.91
22 14 29 16-0133	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,953.63	76.93
22 14 29 16-0134	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,953.63	76.93
22 14 29 16-0135	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,066.34	80.37
22 14 29 16-0136	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,066.34	80.37
22 14 29 16-0137	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,358.22	91.85
22 14 29 16-0138	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,358.22	91.85
22 14 29 16-0139	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,743.01	109.08
22 14 29 16-0140	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,693.50	109.08

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001 Quick Disconnect, Air-Service *(22 15 13)*

22 15 13 00-0002 Combination Steel And Brass *(22 15 13 00-0001)*

22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	55.36	16.07
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	61.76	19.51

22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters *(22 15 13)*

Note: 120 Voltage, 1 Phase

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	823.84	91.59
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	945.03	94.15
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,117.23	96.69
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,259.48	101.77
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,645.64	114.49
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,860.58	130.27
22 15 13 00-0012	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,086.73	147.57
22 15 13 00-0013	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,454.95	165.38
22 15 13 00-0014	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,845.30	193.38
22 15 13 00-0015	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,209.48	206.60
22 15 13 00-0016	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,775.40	228.99
22 15 13 00-0017	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,345.45	254.43
		For 230 Voltage, Add	*1,150.97*	
22 15 13 00-0018	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,695.52	279.88
		For 230 Voltage, Add	*1,240.73*	
22 15 13 00-0019	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,054.45	310.41
		For 230 Voltage, Add	*1,330.49*	
22 15 13 00-0020	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,466.06	330.77
		For 230 Voltage, Add	*1,441.36*	
22 15 13 00-0021	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,781.88	343.49
		For 230 Voltage, Add	*1,528.47*	
22 15 13 00-0022	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,083.89	356.21
		For 230 Voltage, Add	*2,811.44*	
22 15 13 00-0023	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,839.69	368.93
		For 230 Voltage, Add	*3,030.55*	
22 15 13 00-0024	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,574.38	381.66
		For 230 Voltage, Add	*3,243.32*	
22 15 13 00-0025	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,763.54	407.10
		For 230 Voltage, Add	*3,884.80*	
22 15 13 00-0026	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	15,598.51	508.87
		For 230 Voltage, Add	*4,374.23*	
22 15 13 00-0027	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	22,216.90	610.64
		For 230 Voltage, Add	*6,298.68*	
22 15 13 00-0028	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	30,199.20	712.42
		For 230 Voltage, Add	*8,632.31*	
22 15 13 00-0029	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	33,808.16	814.20
		For 230 Voltage, Add	*9,653.93*	

22 15 13 00-0030 Oil And Water Separator For Air Compressor *(22 15 13)*

22 15 13 00-0031	EA	0-60 SCFM Oil/Water Separator	749.35	36.76
22 15 13 00-0032	EA	85 SCFM Oil/Water Separator	1,004.82	43.07
22 15 13 00-0033	EA	190 SCFM Oil/Water Separator	1,174.69	48.82
22 15 13 00-0034	EA	245 SCFM Oil/Water Separator	1,475.27	57.43
22 15 13 00-0035	EA	320 SCFM Oil/Water Separator	1,753.43	68.92
22 15 13 00-0036	EA	700 SCFM Oil/Water Separator	3,534.19	143.58

22 15 13 00-0037 Heavy Duty Industrial Pressure Regulator *(22 15 13)*

22 15 13 00-0038	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	126.19	30.53
22 15 13 00-0039	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	176.45	40.71
22 15 13 00-0040	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	303.81	50.89
22 15 13 00-0041	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	379.34	76.33
22 15 13 00-0042	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	532.44	89.05
22 15 13 00-0043	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	557.88	101.77

22 15 13 00-0044 Combination Air System; Filter Regulator Lubricator *(22 15 13)*

22 15 13 00-0045	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	482.37	91.59
22 15 13 00-0046	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	596.22	122.13

22 15 13 00-0047 Heatless Desiccant Air Dryers *(22 15 13)*

22 15 13 00-0048	EA	5 SCFM Heatless Desiccant Air Dryer	2,898.20	91.59
22 15 13 00-0049	EA	10 SCFM Heatless Desiccant Air Dryer	3,485.75	101.77
22 15 13 00-0050	EA	15 SCFM Heatless Desiccant Air Dryer	3,518.43	111.95
22 15 13 00-0051	EA	20 SCFM Heatless Desiccant Air Dryer	4,018.92	127.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0052	EA	30 SCFM Heatless Desiccant Air Dryer	5,539.27	152.66
22 15 13 00-0053	EA	50 SCFM Heatless Desiccant Air Dryer	5,463.29	203.54
22 15 13 00-0054	EA	85 SCFM Heatless Desiccant Air Dryer	7,340.80	254.43
22 15 13 00-0055	EA	100 SCFM Heatless Desiccant Air Dryer	7,785.40	305.33
22 15 13 00-0056	EA	125 SCFM Heatless Desiccant Air Dryer	8,912.15	356.21
22 15 13 00-0057	EA	175 SCFM Heatless Desiccant Air Dryer	10,234.06	407.10
22 15 13 00-0058	EA	200 SCFM Heatless Desiccant Air Dryer	10,994.92	457.99
22 15 13 00-0059	EA	300 SCFM Heatless Desiccant Air Dryer	13,451.43	508.87
22 15 13 00-0060	EA	400 SCFM Heatless Desiccant Air Dryer	14,936.19	610.64
22 15 13 00-0061	EA	500 SCFM Heatless Desiccant Air Dryer	17,262.18	712.42
22 15 13 00-0062	EA	600 SCFM Heatless Desiccant Air Dryer	19,919.03	814.20
22 15 13 00-0063		Air Cooled Aftercoolers *(22 15 13)*		
22 15 13 00-0064	EA	20 SCFM Air-Cooled Aftercooler	725.61	63.61
22 15 13 00-0065	EA	35 SCFM Air-Cooled Aftercooler	981.57	76.33
22 15 13 00-0066	EA	43 SCFM Air-Cooled Aftercooler	1,077.41	89.05
22 15 13 00-0067	EA	70 SCFM Air-Cooled Aftercooler	1,317.56	101.77
22 15 13 00-0068	EA	125 SCFM Air-Cooled Aftercooler	1,839.29	114.49
22 15 13 00-0069	EA	185 SCFM Air-Cooled Aftercooler	2,065.37	127.22
22 15 13 00-0070	EA	260 SCFM Air-Cooled Aftercooler	4,012.38	152.66
22 15 13 00-0071	EA	365 SCFM Air-Cooled Aftercooler	4,192.09	178.10
22 15 13 00-0072	EA	560 SCFM Air-Cooled Aftercooler	4,370.39	203.54
22 15 13 00-0073	EA	650 SCFM Air-Cooled Aftercooler	5,126.65	228.99
22 15 13 00-0074	EA	750 SCFM Air-Cooled Aftercooler	5,604.13	254.43
22 15 13 00-0075	EA	900 SCFM Air-Cooled Aftercooler	6,427.97	279.88
22 15 13 00-0076	EA	1,100 SCFM Air-Cooled Aftercooler	8,259.87	305.33
22 15 13 00-0077	EA	1,460 SCFM Air-Cooled Aftercooler	9,450.47	330.77
22 15 13 00-0078	EA	1,800 SCFM Air-Cooled Aftercooler	9,756.55	356.21
22 15 13 00-0079	EA	2,500 SCFM Air-Cooled Aftercooler	10,462.12	381.66
22 15 13 00-0080		Compressed Air Coalescing Filters *(22 15 13)*		
22 15 13 00-0081		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0080)*		
22 15 13 00-0082	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	250.66	37.33
22 15 13 00-0083	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	299.94	37.33
22 15 13 00-0084	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	327.26	43.07
22 15 13 00-0085	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	376.84	49.39
22 15 13 00-0086	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	439.98	54.56
22 15 13 00-0087	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	498.15	66.05
22 15 13 00-0088	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	525.02	71.79
22 15 13 00-0089	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	650.99	86.15
22 15 13 00-0090	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	835.14	114.87
22 15 13 00-0091	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	955.37	129.22
22 15 13 00-0092		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0080)*		
22 15 13 00-0093	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	306.98	37.33
22 15 13 00-0094	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	332.52	43.07
22 15 13 00-0095	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	381.77	49.39
22 15 13 00-0096	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	449.85	48.82
22 15 13 00-0097	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	509.41	66.05
22 15 13 00-0098	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	578.28	71.79
22 15 13 00-0099	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	663.66	86.15
22 15 13 00-0100	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	856.25	114.87
22 15 13 00-0101	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	983.53	129.22
22 15 13 00-0102		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0103		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0102)*		
22 15 13 00-0104	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	409.23	81.42
22 15 13 00-0105	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	735.30	89.05
22 15 13 00-0106	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	779.28	93.63
22 15 13 00-0107	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	889.94	101.77
22 15 13 00-0108	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,160.39	137.39
22 15 13 00-0109	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,404.75	152.66
22 15 13 00-0110	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,122.19	178.10
22 15 13 00-0111	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	3,183.00	203.54
22 15 13 00-0112	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	3,551.84	216.27
22 15 13 00-0113	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	5,159.35	228.99
22 15 13 00-0114	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	6,807.67	267.16
22 15 13 00-0115	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	9,812.48	318.05
22 15 13 00-0116		Vertical Compressed Air Storage Tanks *(22 15 13 00-0102)*		
22 15 13 00-0117	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	685.22	81.42
22 15 13 00-0118	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	717.89	89.05
22 15 13 00-0119	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	779.28	93.63
22 15 13 00-0120	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	924.42	101.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0121	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,263.82	137.39
22 15 13 00-0122	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,454.55	152.66
22 15 13 00-0123	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,013.88	178.10
22 15 13 00-0124	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	2,959.77	203.54
22 15 13 00-0125	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	3,267.30	216.27
22 15 13 00-0126	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	4,462.87	228.99
22 15 13 00-0127	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	5,726.72	267.16
22 15 13 00-0128	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	7,484.03	292.61
22 15 13 00-0129	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	12,484.62	330.77

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,046.89	361.10
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,179.73	416.76
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,627.02	492.19
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,133.79	543.07
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,064.99	573.60
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,413.51	593.96
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,078.00	678.83
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,520.05	719.55
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	7,827.44	814.60

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	5,831.01	634.66
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,253.72	746.72
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,533.60	814.60
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,445.60	1,086.13
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,034.95	1,086.13
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	8,608.89	1,357.67
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,143.42	1,357.67
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	11,727.38	1,679.27
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	12,577.02	1,730.16
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	13,587.93	2,022.05
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	20,555.97	2,288.91
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	22,069.19	2,586.38
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	24,601.20	2,858.53
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	26,761.04	3,132.82

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	9,980.27	916.62
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,111.33	1,222.16
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,251.67	1,532.31
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	16,456.76	1,952.71
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,826.80	2,297.30
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	22,869.02	2,584.47
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,055.43	2,871.64
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,172.22	3,216.23
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,178.48	3,445.96
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	37,264.77	3,713.60
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	48,568.62	4,020.30
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	53,918.61	4,250.02
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	86,847.35	4,594.62
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	108,457.46	4,967.93
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	126,046.56	5,346.98
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	164,178.93	5,743.28
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	186,588.74	6,110.84

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	12,446.29	1,222.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,235.76	1,222.16
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	14,879.41	1,532.31
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,742.89	1,532.31
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,802.15	1,952.71
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,714.97	1,952.71
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,111.89	2,297.30
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,098.72	2,297.30
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	33,263.65	2,584.47
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	35,820.12	2,871.64
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	38,129.92	3,216.23

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,121.01	290.77
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,352.79	303.98
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	5,783.27	317.20
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,675.20	330.42
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,118.93	343.64

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	7,732.86	317.20
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,134.64	330.42
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,580.57	343.64
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,223.21	356.85
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,377.89	370.06
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	13,888.24	383.28

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	11,821.87	330.42
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,252.34	343.64
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	13,899.40	356.85
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,054.08	370.06
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	17,701.32	383.28
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	23,404.31	396.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	27,407.20	409.71
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	28,793.91	383.28
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	33,289.17	396.50
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	37,239.07	409.71
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	46,933.98	422.93
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	51,985.65	436.15
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	19,427.38	495.63
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	20,290.59	515.44
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	23,132.09	535.27
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	25,306.80	555.10
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	30,945.73	574.92
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	41,084.41	594.75
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	48,401.35	614.58
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	52,945.45	574.92
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	60,858.54	594.75
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	68,420.56	614.58
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	87,137.02	634.40
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	97,317.64	654.22
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,705.62	436.15
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,155.95	455.98
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	7,816.01	475.80
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,418.88	495.63
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,434.43	515.44
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,320.36	475.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,048.89	495.63
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,130.68	515.44
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,347.34	535.27
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	19,597.11	555.10
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	24,597.96	574.92

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001 Commercial Water Filters Housings *(22 32 16)*

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*

22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,636.44	186.65
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,685.02	201.02
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,857.25	215.37
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,166.37	229.73
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,259.11	244.09
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	3,963.45	258.45
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,291.56	272.80
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,146.22	287.17
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	16,712.02	301.52
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	18,544.62	315.88

22 32 16 00-0014 Commercial Water Filter Cartridges *(22 32 16 00-0002)*

22 32 16 00-0015 (Depth) Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	12.87	2.30
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	12.87	2.30
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	12.87	2.30
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	10.66	2.30
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	13.42	2.30
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	13.42	2.30
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	14.53	2.30
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	18.39	2.30
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	14.53	2.30
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	17.29	2.30
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	17.29	2.30
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	17.29	2.30
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	18.94	2.30
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	25.01	2.30
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	22.81	2.30
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	22.81	2.30
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	25.01	2.30

22 32 16 00-0033 Pleated Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	23.36	2.30
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	23.36	2.30
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	23.91	2.30
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	25.57	2.30
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	38.81	2.30
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	37.16	2.30
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	37.16	2.30
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	37.16	2.30
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	49.30	2.30
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	70.28	2.30
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	58.68	2.30
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	81.87	2.30
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	85.18	2.30
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	96.22	2.30

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,067.88	172.30
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	692.36	2.30
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	143.14	2.30
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	142.03	2.30
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	142.03	2.30
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	163.01	2.30
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	379.94	2.30
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	356.75	2.30
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	388.77	2.30
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	407.54	2.30
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	434.03	2.30
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	470.46	2.30
22 33		**Electric Domestic Water Heaters** *(22 30)*		
22 33 13		**Instantaneous Electric Domestic Water Heaters** *(22 33)*		
22 33 13 13		**Flow-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	2.4 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax SP2412)	492.96	57.41
22 33 13 13-0003	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	532.39	57.41
22 33 13 13-0004	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	610.75	57.41
22 33 13 16		**Thermostat-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	705.55	86.11
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	767.28	114.82
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,298.20	200.94
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,983.00	229.63
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,438.33	114.82
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,963.05	172.23
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,157.05	229.63
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,240.89	229.63
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,320.07	229.63
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,436.52	229.63
22 33 30		**Residential, Electric Domestic Water Heaters** *(22 33)*		
22 33 30 13		**Residential, Small-Capacity Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	976.38	180.84
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,204.28	192.32
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,426.45	200.94
22 33 30 16		**Residential, Storage Electric Domestic Water Heaters** *(22 33 30)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0001		**Electric Domestic Water Heaters (A.O. Smith ProMax)** *(22 33 30 16)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,526.61	200.94
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,432.81	206.68
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,408.43	212.42
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,576.20	215.29
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,306.91	221.02
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,349.75	229.63
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,137.13	243.99
22 33 30 16-0009		**Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax)** *(22 33 30 16)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,641.64	200.94
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,560.90	206.68
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,654.36	212.42
22 33 30 16-0013		**High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist)** *(22 33 30 16)*		
		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,695.27	206.68
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	1,854.18	212.42
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,288.84	221.02
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,490.52	229.63
22 33 30 16-0018		**Water Heater Accessories** *(22 33 30 16)*		
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	130.69	11.48
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	154.72	11.48
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	303.20	11.48
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	407.70	11.48
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	75.04	8.61
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	82.01	8.61
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	86.65	8.61
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	102.91	8.61
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	40.09	8.61
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	43.81	8.61
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	49.03	8.61
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	55.75	8.61
22 33 30 23		**Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 23-0001		**Solar Electric Domestic Water Heaters (A.O. Smith CIRREX)** *(22 33 30 23)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	3,887.42	229.63
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	4,665.10	243.99
22 33 33		**Light-Commercial Electric Domestic Water Heaters** *(22 33)*		
22 33 33 00-0001		**Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)** *(22 33 33)*		
		Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,043.88	200.94
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,210.74	200.94
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	2,392.64	229.63
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	4,299.65	229.63
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	4,944.19	287.05
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	5,456.30	344.46
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	6,431.14	516.68
22 33 33 00-0009		**Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE)** *(22 33 33)*		
		Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	7,950.31	200.94
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	8,268.14	200.94
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	8,612.47	200.94
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	8,669.89	229.63
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	9,067.18	229.63
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	9,702.85	229.63
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	10,126.63	229.63
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	10,470.95	229.63
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	10,841.76	229.63
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	9,464.47	229.63
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	9,835.28	229.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	10,259.06	229.63
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	10,603.38	229.63
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	10,974.19	229.63
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	13,702.27	229.63
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	10,294.41	287.05
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	10,638.73	287.05
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	11,062.51	287.05
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	11,433.32	287.05
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	14,187.89	287.05
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	15,459.23	287.05
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	16,704.08	287.05
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	11,892.46	344.46
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	12,236.78	344.46
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	12,581.10	344.46
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	12,951.91	344.46
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	15,785.94	344.46
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	17,057.28	344.46
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	18,302.13	344.46
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	20,553.47	344.46
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	21,559.94	344.46
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	25,056.13	344.46
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	29,558.79	344.46
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	37,133.86	344.46
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	13,340.47	459.28
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	13,737.76	459.28
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	14,108.57	459.28
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	14,426.41	459.28
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	17,233.95	459.28
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	18,505.29	459.28
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	19,723.66	459.28
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	22,027.96	459.28
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	23,007.95	459.28
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	26,530.62	459.28
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	31,059.77	459.28
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	38,608.35	459.28
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	14,912.03	516.68
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	15,282.84	516.68
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	15,600.68	516.68
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	18,434.70	516.68
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	19,573.61	516.68
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	20,897.93	516.68
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	23,202.23	516.68
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	24,208.71	516.68
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	27,519.49	516.68
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	32,234.04	516.68
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	39,782.62	516.68
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	16,774.95	574.09
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	17,198.73	574.09
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	19,953.30	574.09
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	21,224.64	574.09
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	22,469.49	574.09
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	24,720.82	574.09
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	25,753.78	574.09
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	29,223.48	574.09
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	33,726.15	574.09
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	41,327.70	574.09
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	17,958.09	688.91
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	18,328.90	688.91
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	21,083.47	688.91
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	22,301.84	688.91
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	23,599.66	688.91
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	25,850.99	688.91
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	26,804.50	688.91
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	30,380.14	688.91
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	34,909.29	688.91
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	42,431.39	688.91

22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	48.80
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	71.62

22 33 33 00-0090 Removal And Reinstallation Of Water Heater *(22 33 33)*

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	382.73
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,148.19

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36		**Commerical Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,248.86	769.90
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,286.02	769.90
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,323.19	769.90
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,360.35	769.90
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,434.68	769.90
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,509.01	769.90
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,768.48	769.90
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	43,931.57	904.64
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	45,984.41	904.64
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,037.25	904.64
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,090.09	904.64
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,195.75	904.64
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,301.42	904.64
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,585.96	904.64
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,512.76	904.64
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,607.81	1,029.74
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,631.04	1,029.74
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,654.28	1,029.74
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,677.51	1,029.74
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,723.99	1,029.74
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,770.46	1,029.74
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,816.93	1,029.74
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,672.70	1,029.74
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,528.46	1,029.74
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,303.51	1,183.72
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,339.70	1,183.72
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,375.88	1,183.72
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,448.25	1,183.72
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,520.62	1,183.72
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,778.52	1,183.72
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,022.82	1,183.72
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	76,909.67	1,183.72
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,353.09	1,183.72
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,796.51	1,183.72
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,239.94	1,183.72
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	55,827.70	1,395.45
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,735.82	1,395.45
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,643.93	1,395.45
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,460.17	1,395.45
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,276.41	1,395.45
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,329.40	1,395.45
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	74,908.88	1,395.45
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	79,488.37	1,395.45
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	81,778.11	1,395.45
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,067.85	1,395.45
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	86,357.59	1,395.45
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	89,792.21	1,395.45
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	61,217.16	1,539.81
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	63,574.68	1,539.81
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	65,932.21	1,539.81
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	70,647.25	1,539.81
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	75,362.31	1,539.81
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,134.35	1,539.81
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	84,792.42	1,539.81
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	90,450.47	1,539.81
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	93,279.50	1,539.81
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,108.53	1,539.81
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	98,937.57	1,539.81
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	104,595.63	1,539.81
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	107,424.65	1,539.81
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	71,474.53	1,732.27
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	73,986.99	1,732.27
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	76,499.46	1,732.27
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	81,524.39	1,732.27
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	86,549.32	1,732.27
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	90,569.26	1,732.27
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	96,599.18	1,732.27
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	102,629.10	1,732.27
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	105,644.06	1,732.27
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	108,659.01	1,732.27
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	111,673.97	1,732.27
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	117,703.89	1,732.27
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	120,718.85	1,732.27
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	126,748.77	1,732.27
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	132,778.67	1,732.27
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	83,925.77	1,924.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	86,846.95	1,924.75
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	89,768.14	1,924.75
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	95,610.50	1,924.75
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	101,452.88	1,924.75
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	106,126.78	1,924.75
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	112,156.69	1,924.75
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	119,167.53	1,924.75
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	122,672.96	1,924.75
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	126,178.38	1,924.75
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	129,683.81	1,924.75
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	137,675.58	1,924.75
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	144,686.42	1,924.75
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	148,191.85	1,924.75
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	155,202.69	1,924.75
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	96,733.16	2,569.54
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	102,686.04	2,569.54
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	108,638.92	2,569.54
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	113,401.22	2,569.54
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	120,544.68	2,569.54
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	127,688.13	2,569.54
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	131,259.86	2,569.54
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	134,831.59	2,569.54
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	138,403.31	2,569.54
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,546.77	2,569.54
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	152,690.23	2,569.54
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,261.95	2,569.54
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	163,405.41	2,569.54
22 33 36 16-0105	EA	1000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	113,223.98	3,300.95
22 33 36 16-0106	EA	1000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	118,320.72	3,300.95
22 33 36 16-0107	EA	1000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	123,417.45	3,300.95
22 33 36 16-0108	EA	1000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	127,494.84	3,300.95
22 33 36 16-0109	EA	1000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	133,610.92	3,300.95
22 33 36 16-0110	EA	1000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	139,727.01	3,300.95
22 33 36 16-0111	EA	1000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	142,785.04	3,300.95
22 33 36 16-0112	EA	1000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	145,843.09	3,300.95
22 33 36 16-0113	EA	1000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	148,901.12	3,300.95
22 33 36 16-0114	EA	1000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	155,017.21	3,300.95
22 33 36 16-0115	EA	1000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,133.29	3,300.95
22 33 36 16-0116	EA	1000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	164,191.32	3,300.95
22 33 36 16-0117	EA	1000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	170,307.40	3,300.95
22 33 36 16-0118	EA	1250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	125,608.56	3,849.51
22 33 36 16-0119	EA	1250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	130,291.94	3,849.51
22 33 36 16-0120	EA	1250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	134,975.31	3,849.51
22 33 36 16-0121	EA	1250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	138,722.02	3,849.51
22 33 36 16-0122	EA	1250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	144,342.07	3,849.51
22 33 36 16-0123	EA	1250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	149,962.12	3,849.51
22 33 36 16-0124	EA	1250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	152,772.15	3,849.51
22 33 36 16-0125	EA	1250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	155,582.18	3,849.51
22 33 36 16-0126	EA	1250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	158,392.21	3,849.51
22 33 36 16-0127	EA	1250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,012.26	3,849.51
22 33 36 16-0128	EA	1250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	169,632.31	3,849.51
22 33 36 16-0129	EA	1250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	172,442.33	3,849.51
22 33 36 16-0130	EA	1250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	178,062.39	3,849.51
22 33 36 16-0131	EA	1250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	183,682.44	3,849.51
22 33 36 16-0132	EA	1500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	137,772.18	4,619.41
22 33 36 16-0133	EA	1500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	142,297.04	4,619.41
22 33 36 16-0134	EA	1500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	146,821.89	4,619.41
22 33 36 16-0135	EA	1500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	150,441.78	4,619.41
22 33 36 16-0136	EA	1500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	155,871.61	4,619.41
22 33 36 16-0137	EA	1500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	161,301.43	4,619.41
22 33 36 16-0138	EA	1500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	164,016.35	4,619.41
22 33 36 16-0139	EA	1500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	166,731.26	4,619.41
22 33 36 16-0140	EA	1500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	169,446.18	4,619.41
22 33 36 16-0141	EA	1500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	174,876.00	4,619.41
22 33 36 16-0142	EA	1500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	180,305.83	4,619.41
22 33 36 16-0143	EA	1500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	183,020.75	4,619.41
22 33 36 16-0144	EA	1500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	188,450.58	4,619.41
22 33 36 16-0145	EA	1500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	193,880.40	4,619.41

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,153.90	229.63
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,337.18	232.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,574.61	238.25
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,021.59	243.99
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	3,683.21	258.34
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	3,763.90	258.34
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,331.44	229.63
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	3,683.21	258.34
22 34 13 00-0012		Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heaters *(22 34 13 00-0001)*		
		Note: Includes vent connection. Excludes vent.		
22 34 13 00-0013	EA	11 GPM, 15 MBTU Minimum To 199 MBTU Maximum, Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heater (Rinnai CU199iN)	3,304.31	344.46
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,594.73	221.02
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,562.67	226.76
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,104.44	232.50
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,282.56	238.25
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,498.86	243.99
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	3,734.29	258.34
22 34 30 13-0008		Atmospheric, Gas Domestic Water Heaters *(22 34 30 13)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0009	EA	40 Gallon, 40 MBH, Tall, 67% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GCF-40)	2,364.41	226.76
22 34 30 13-0010	EA	50 Gallon, 40 MBH, Tall, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCF-50)	2,588.22	232.50
22 34 30 13-0011	EA	40 Gallon, 40 MBH, Short, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCFL-40)	2,300.71	226.76
22 34 30 13-0012	EA	40 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-40)	2,406.88	226.76
22 34 30 13-0013	EA	50 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-50)	2,418.36	232.50
22 34 30 13-0014	EA	100 Gallon, 100 MBH, 96% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GDHE-50)	4,858.51	172.23
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	2,983.56	226.76
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,410.95	232.50
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,460.60	238.25
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	2,702.66	226.76
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	2,816.62	232.50
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)*		
		Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,783.83	344.46
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,236.44	401.86
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	8,959.37	459.28
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	7,740.43	459.28
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,909.58	459.28
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	11,897.71	505.21
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,617.47	516.68
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	12,812.01	568.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,752.55	516.68
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,216.98	568.35
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,689.78	631.51
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	13,354.09	694.65
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	10,912.00	631.51
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	13,434.50	694.65
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	10,544.44	688.91
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	14,831.26	757.81
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	13,423.02	688.91
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	17,597.33	757.81
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	17,526.12	746.32
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	8,748.07	401.86
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	10,500.95	442.05
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,088.02	459.28
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	10,900.64	505.21
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,182.19	287.05
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,391.25	287.05

22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	521.90	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,380.03	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,513.37	344.46
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	7,909.56	344.46
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	9,648.65	401.86
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,036.85	459.28
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,085.10	459.28
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,310.24	459.28
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,106.77	505.21
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	11,373.89	516.68
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,002.06	568.35
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	11,909.07	631.51
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	14,608.47	694.65
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,166.38	631.51
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	14,769.29	694.65
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	13,648.16	688.91
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,053.48	757.81
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	16,558.97	688.91
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	19,109.02	757.81

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,258.99	344.46
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,738.51	344.46
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	6,960.73	344.46
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,053.01	378.90
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,291.92	401.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	12,993.63	442.05
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,438.90	459.28
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	13,377.23	505.21
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,065.40	516.68
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	14,693.58	568.35
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	19,240.03	694.65
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	20,218.66	757.81
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	23,271.85	820.95

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	94,996.16	1,539.81
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	114,976.71	1,636.05
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	139,835.79	1,732.27
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	167,293.50	1,828.51
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	175,346.91	1,924.75

22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*

22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	11,656.58	846.33
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	12,636.57	952.12
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	14,613.43	1,163.71
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	21,424.00	1,269.50
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	23,538.08	1,481.08
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	26,925.08	1,692.66
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	29,733.68	1,904.25
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	35,596.89	2,115.83
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	36,929.42	2,221.61
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	39,634.09	2,327.41

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,478.21	1,608.03
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	51,618.76	1,777.29
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,023.93	1,861.93
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	60,677.31	2,031.19

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,314.87	1,608.03
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	35,699.35	1,777.29
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,042.59	1,861.93
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,417.51	2,031.19

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,232.85	761.70
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,055.79	846.33
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,631.63	1,015.59
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,063.17	1,057.92
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,576.04	1,269.50
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,450.71	1,523.40
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,270.15	1,608.03
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,802.14	1,734.98
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,178.98	1,819.61
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,260.56	1,861.93

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,559.63	1,269.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	25,964.47	1,523.40
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,093.09	1,734.98
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,047.38	1,819.61
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,527.55	1,861.93
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,335.75	1,523.40
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,239.64	1,734.98
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,342.70	1,861.93

22 34 46 Oil-Fired Domestic Water Heaters *(22 34)*

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters *(22 34 46)*

22 34 46 11-0001		Oil-Fired Domestic Water Heaters (Bock) *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	2,232.02	176.82
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	2,200.58	176.82
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	2,301.59	176.82
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	2,433.45	181.41
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	3,121.51	186.00
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	2,622.02	186.00
22 34 46 11-0008		Oil Fired Commercial Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E)	3,623.89	275.56
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	4,281.49	275.56
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	4,306.78	275.56
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	6,218.87	367.42
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	8,554.73	459.28
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	10,807.37	505.21

22 35 Domestic Water Heat Exchangers *(22 30)*

22 35 23 Circulating, Domestic Water Heat Exchangers *(22 35)*

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers *(22 35 23)*

22 35 23 13-0001		Steam Driven Water Heaters *(22 35 23 13)*		
22 35 23 13-0002		Constant Flow *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	6,476.11	574.09
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	8,088.59	703.49
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	10,364.71	920.05
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	14,025.14	1,281.49
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	20,694.62	2,110.60
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	22,553.44	2,392.02
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	29,596.55	2,760.01
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	35,611.34	3,261.89
22 35 23 13-0011		Variable Flow *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	9,755.74	1,119.48
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	11,056.85	1,366.92
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	14,104.49	1,767.52
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	18,496.68	2,466.08
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	27,601.77	4,124.29
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	33,592.18	4,541.90
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	38,912.53	5,315.65
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	49,276.63	6,350.63

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 26		**Residential Disposers** *(22 41)*		
22 41 26 00-0001		Disposals *(22 41 26)*		
22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	285.45	72.92
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	325.92	72.92
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	427.10	72.92
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	528.28	72.92
22 41 39		**Residential Faucets, Supplies, and Trim** *(22 41)*		
22 41 39 00-0001		Residential Kitchen Faucets *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	202.70	52.87
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	234.55	52.87
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	234.55	52.87
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	225.76	52.87
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	242.87	52.87
22 41 39 00-0007		Residential Lavatory Faucets *(22 41 39)*		
22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	185.65	38.06
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	185.65	38.06
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	133.26	38.06
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0011		Residential Bath And Shower Faucets *(22 41 39)*		
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	241.89	45.89
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	285.46	45.89
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	222.90	45.89
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	246.36	45.89
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	275.26	28.71
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	228.60	28.71
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	313.40	28.71
22 41 39 00-0019		Residential Laundry Faucets *(22 41 39)*		
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	159.74	33.75
22 41 39 00-0021		Residential Laundry/Wash Basin Faucets *(22 41 39)*		
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	161.06	33.75
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	230.77	37.20
22 41 39 00-0024		Other Residential Faucets *(22 41 39)*		
22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	43.08	8.61

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001		Vitreous China Water Closets *(22 42 13 13)* Note: With a 2" ball pass.		
22 42 13 13-0002		Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	653.92	109.96
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	769.18	109.96
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	979.17	109.96
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	881.79	109.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	826.81	109.96
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	830.59	109.96
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	645.48	109.96
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	687.92	109.96
22 42 13 13-0011		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	754.71	135.34
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	922.52	135.34
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,150.39	135.34
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	757.63	135.34
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,119.39	135.34
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	831.57	135.34
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	716.48	135.34
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	749.83	135.34
22 42 13 13-0020		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	662.24	109.96
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	676.82	109.96
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	741.07	109.96
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	820.56	109.96
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	817.25	109.96
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,070.95	109.96
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	911.97	109.96
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	727.70	109.96
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	830.36	109.96
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	931.94	109.96
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	739.00	109.96
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	721.13	109.96
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	694.26	109.96
22 42 13 13-0034		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	735.91	109.96
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	669.52	109.96
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	772.87	109.96
22 42 13 13-0038		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	696.60	109.96
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	727.22	109.96
22 42 13 13-0041		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	3,157.45	237.90
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	3,323.65	237.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0044		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0045		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier	578.25	55.83
22 42 13 13-0047		**No-Hub, Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	897.34	55.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-78.30*	
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For Auxiliary Inlet, Add	*219.68*	
		For Special Duty 500 LB Carrier, Add	*371.68*	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	897.34	55.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-78.30*	
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For Auxiliary Inlet, Add	*219.68*	
		For Special Duty 500 LB Carrier, Add	*371.68*	
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	980.32	55.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-78.30*	
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For Auxiliary Inlet, Add	*219.68*	
		For Horizontal No Hub Cast Long Barrel, Add	*226.14*	
		For Carrier For Wide Chase Installations, Add	*297.37*	
		For Special Duty 1,000 LB Carrier, Add	*371.69*	
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,086.68	55.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-78.30*	
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For 4" Branch, Add	*173.55*	
		For Auxiliary Inlet, Add	*219.68*	
		For Carrier For Wide Chase Installations, Add	*297.37*	
		For Double 4" Branches, Add	*348.24*	
		For Special Duty 1,000 LB Carrier, Add	*371.69*	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,494.41	81.94
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-156.59*	
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For Auxiliary Inlet, Add	*235.54*	
		For Special Duty 500 LB Carrier, Add	*743.35*	
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,536.50	81.94
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-156.59*	
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For Auxiliary Inlet, Add	*235.54*	
		For Special Duty 500 LB Carrier, Add	*743.35*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,871.94	81.94
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-156.59*	
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For 4" Branch, Add	*181.48*	
		For Auxiliary Inlet, Add	*235.54*	
		For Double 4" Branches, Add	*364.10*	
		For Carrier For Wide Chase Installations, Add	*642.33*	
		For Special Duty 1,000 LB Carrier, Add	*743.37*	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,762.07	81.94
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-156.59*	
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For Horizontal No Hub Cast Long Barrel, Add	*234.07*	
		For Carrier For Wide Chase Installations, Add	*642.33*	
		For Special Duty 1,000 LB Carrier, Add	*743.37*	
22 42 13 13-0056		**Hub And Spigot, Water Closet Carriers** *(22 42 13 13-0044)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,043.47	55.83
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For Hanger Type Closet Adapter, Add	*167.14*	
		For Auxiliary Inlet, Add	*219.68*	
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	897.34	55.83
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For Auxiliary Inlet, Add	*219.68*	
		For Special Duty 500 LB Carrier, Add	*371.68*	
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,126.42	55.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-78.30*	
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For 4" Branch, Add	*178.55*	
		For Auxiliary Inlet, Add	*219.68*	
		For Carrier For Wide Chase Installations, Add	*297.37*	
		For Double 4" Branches, Add	*348.24*	
		For Special Duty 1,000 LB Carrier, Add	*371.69*	
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,744.45	81.94
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For Auxiliary Inlet, Add	*235.54*	
		For Hanger Type Closet Adapter, Add	*334.28*	
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,911.68	81.94
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-156.59*	
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For 4" Branch, Add	*181.48*	
		For Auxiliary Inlet, Add	*235.54*	
		For Double 4" Branches, Add	*364.10*	
		For Carrier For Wide Chase Installations, Add	*642.33*	
		For Special Duty 1,000 LB Carrier, Add	*743.37*	

22 42 13 13-0062 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers

(22 42 13 13-0044)

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	692.79	55.83
		For Positioning Frame, Add	*50.54*	
		For Supply Pipe Support, Add	*51.71*	
		For Vandal Proof Trim, Add	*66.63*	
		For Hanger Type Closet Adapter, Add	*167.14*	

22 42 13 13-0064 Institutional Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.

22 42 13 13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	2,454.01	81.94
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-156.59*	
		For Positioning Frame, Add	*109.01*	
		For Supply Pipe Support, Add	*111.35*	
		For Vandal Proof Trim, Add	*133.26*	
		For Auxiliary Inlet, Add	*235.54*	

22 42 13 13-0066 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	483.23	
22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	483.23	
22 42 13 13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	371.61	
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	371.61	

22 42 13 16 Commercial Urinals *(22 42 13)*

22 42 13 16-0001 Vitreous China Urinals *(22 42 13 16)*

Note: Excludes flush valve unless indicated otherwise.

22 42 13 16-0002 Wall Hung Urinals *(22 42 13 16-0001)*

22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	585.17	113.14
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	710.86	113.14
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	737.14	113.14
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	775.75	113.14
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	708.81	113.14
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	602.70	113.14
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	727.27	113.14
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	625.70	113.14
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	675.06	113.14
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	618.44	113.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	616.29	113.14
22 42 13 16-0014		**Floor Mounted Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	978.14	142.74
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,088.58	142.74
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	310.68	26.44
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	352.65	26.44
22 42 13 16-0019		**Waterfree Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	642.06	79.30
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-43.06*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	1,212.46	79.30
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-108.09*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	1,044.07	79.30
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-88.89*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	800.46	79.30
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-61.12*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	800.46	79.30
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-61.12*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	992.03	79.30
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-82.96*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,503.85	79.30
		For >1, Deduct	*-141.31*	
22 42 13 16-0027		**Stainless Steel Urinals** *(22 42 13 16)*		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	3,250.94	237.90
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	4,210.24	290.77
22 42 13 16-0030		**Urinal Carriers** *(22 42 13 16)*		
22 42 13 16-0031		**Floor Mounted, Urinal Carriers** *(22 42 13 16-0030)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	581.55	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	549.26	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
22 42 13 16-0034		**Wall Mounted, Urinal Carriers** *(22 42 13 16-0030)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	227.84	40.18
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*24.54*	
22 42 13 16-0036		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	481.68	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		**Lavatories** *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets.		
22 42 16 13-0002		**Wall Hung Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	604.76	70.84
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	631.56	70.84
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	781.70	70.84
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	555.88	70.84
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	480.99	70.84
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	604.32	70.84
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	709.61	70.84
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	568.49	70.84
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	503.06	70.84
22 42 16 13-0012		**Countertop Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	572.65	85.64
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	584.92	85.64
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	619.04	85.64
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	655.45	85.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	854.96	92.51
22 42 16 13-0018		**Undermount Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	534.32	85.64
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	507.04	85.64
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	507.04	85.64
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	540.20	85.64
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	522.32	85.64
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	517.30	85.64
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	522.42	85.64
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	635.34	85.64
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	635.34	85.64
22 42 16 13-0028		**Pedestal Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	691.54	203.53
22 42 16 13-0030		**Cultured Marble Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	409.78	79.30
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	461.43	84.58
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	554.73	89.87
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	758.89	95.16
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	440.04	79.30
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	469.95	84.58
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	605.08	89.87
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	658.85	92.51
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	737.60	95.16
22 42 16 13-0040		**Quartz Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	805.98	79.30
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	839.75	84.58
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	960.68	89.87
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	967.55	92.51
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,053.00	95.16
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,399.13	100.44
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,645.92	105.72
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	44.29	
22 42 16 13-0049		**Solid Surface Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	681.00	79.30
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	761.01	84.58
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	851.73	89.87
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	934.47	92.51
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,010.14	95.16
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,109.82	97.80
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,232.11	100.44
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,262.46	100.44
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,360.28	105.72
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	65.60	
22 42 16 13-0060		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)*		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,790.44	152.88
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	9,973.38	152.88
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	453.15	50.96
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	564.20	50.96
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,129.79	50.96
22 42 16 13-0066		**Stainless Steel Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,698.45	185.04
22 42 16 13-0068		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0069		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0070		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0069)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	581.55	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
		For Valve Plate For Attaching To Upright, Add	*87.07*	
		For Corner Carrier, Add	*169.46*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	549.26	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
		For Valve Plate For Attaching To Upright, Add	*87.07*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	627.57	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*49.08*	
		For Valve Plate For Attaching To Upright, Add	*174.12*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	717.57	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*49.08*	
		For Valve Plate For Attaching To Upright, Add	*174.12*	
22 42 16 13-0075		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0069)* Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	750.05	47.58
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*24.54*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*33.90*	
		For Valve Plate For Attaching To Upright, Add	*89.18*	
		For 2" Chrome Plated Escutcheons, Add	*82.98*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*150.77*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	863.78	47.58
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*24.54*	
		For Vandal Proof Trim, Add	*66.63*	
		For Valve Plate For Attaching To Upright, Add	*89.18*	
		For Heavy Duty Carrier, Add	*85.32*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,006.86	47.58
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*49.08*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*67.80*	
		For Valve Plate For Attaching To Upright, Add	*178.35*	
		For 2" Chrome Plated Escutcheons, Add	*165.97*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*301.55*	
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,274.04	47.58
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*49.08*	
		For Vandal Proof Trim, Add	*133.26*	
		For Valve Plate For Attaching To Upright, Add	*178.35*	
		For Heavy Duty Carrier, Add	*170.64*	
22 42 16 13-0080		**Wall Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0081		**Wall Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0080)* Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	227.84	40.18
		For Double Plate Carrier, Add	*67.48*	
22 42 16 13-0083		**Wall Mounted Plate Type, Lavatory Carriers With Arms** *(22 42 16 13-0080)* Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	376.40	47.58
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
		For 2" Chrome Plated Escutcheons, Add	*82.98*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	441.85	47.58
		For Movable Mounting Brackets, Deduct	*-63.12*	
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
		For 2" Chrome Plated Escutcheons, Add	*82.98*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*150.77*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	644.05	47.58
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*24.54*	
		For Vandal Proof Trim, Add	*66.63*	
22 42 16 13-0087		**Removal And Reinstallation Of Lavatory And Trim** *(22 42 16 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	310.98	
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		**Sinks** *(22 42 16 16)* Note: Includes drain, trap and supply valves. Excludes faucets.		
22 42 16 16-0002		**Kitchen Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	737.49	99.39
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	947.25	113.14
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	913.78	97.28
		For 18 Gauge, Add	*258.64*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	936.52	97.28
		For 18 Gauge, Add	*270.01*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	987.69	97.28
		For 18 Gauge, Add	*295.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,034.48	99.39
		For 18 Gauge, Add	*312.65*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,298.45	113.14
		For 18 Gauge, Add	*424.45*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,325.90	113.14
		For 18 Gauge, Add	*437.99*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,282.35	97.28
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,307.93	97.28
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,372.36	97.28
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,459.89	99.39
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,761.76	113.14
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,688.78	113.14
22 42 16 16-0017		**Undermount Kitchen Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,145.84	97.28
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,143.07	97.28
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,155.31	97.28
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,219.74	97.28
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99) Note: Available in 4-1/2", 5, or 5-1/2" depths.	1,179.00	97.28
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,344.13	97.28
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,591.02	97.28
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	940.53	97.28
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,217.75	97.28
22 42 16 16-0027		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)* Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	1,943.99	171.82
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,567.84	185.04
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,940.74	198.25
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,343.35	132.17
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,599.00	145.38
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,849.57	158.60
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,159.66	178.43
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,020.81	290.77
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	678.96	113.14
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	776.64	113.14
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	677.03	113.14
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,022.25	113.14
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,439.60	126.88
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	244.22	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,078.00	170.23
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,131.28	170.23
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,393.20	225.21
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	589.16	158.60
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	674.22	158.60
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	742.44	190.31
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	607.67	158.60
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	691.21	190.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	978.37	158.60
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,208.32	190.31
22 42 16 16-0055	EA	33" x 33" x 10", Type 304 Stainless Steel, ADA Mop Sink (IMC Teddy FS-ADA)	2,054.27	70.52

22 42 16 16-0056 Soapstone Sinks *(22 42 16 16-0001)*

22 42 16 16-0057	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,083.09	97.28
22 42 16 16-0058	SF	Soapstone Sink Backsplash	171.53	
22 42 16 16-0059	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,379.74	113.14
22 42 16 16-0060	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,614.10	113.14

22 42 16 16-0061 Stainless Steel Sink And Drainboard *(22 42 16 16-0001)*

22 42 16 16-0062	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,433.52	264.33

22 42 16 16-0063 Classroom Sinks *(22 42 16 16-0001)*

Note: Includes drain, trap and supply valves.

22 42 16 16-0064	EA	25" x 17" x 6-1/2", 20 Gauge Stainless Steel, Top Mounting Type, 15-34" x 14" x 6-3/8" Deep Single Bowl, Drop-In Classroom ADA Sink (Elkay CDKAD2517654)	875.36	97.28
		Note: Includes single manual handle faucet, gooseneck faucet and basket strainer (LKD208513LC, LK1141A, LK35)		

22 42 16 16-0065 Sink Carriers *(22 42 16 16)*

22 42 16 16-0066 Floor Mounted, Sink Carriers *(22 42 16 16-0065)*

Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.

22 42 16 16-0067	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	855.20	40.18
		For Vandal Proof Trim, Add	*66.63*	
		For Valve Plate For Attaching To Upright, Add	*87.07*	
22 42 16 16-0068	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,133.66	40.18
		For Vandal Proof Trim, Add	*66.63*	
		For Auxiliary Vent, Add	*198.12*	
22 42 16 16-0069	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,418.86	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*50.26*	
		For Vandal Proof Trim, Add	*66.63*	

22 42 16 16-0070 Removal And Reinstallation Of Sink And Trim *(22 42 16 16)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 16-0071	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	426.35	

22 42 19 Commercial Bathtubs *(22 42)*

22 42 19 00-0001 Recessed Alcove Bathtubs *(22 42 19)*

22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,495.34	293.94
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,285.54	293.94
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,500.61	293.94
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,922.56	293.94

22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	679.44	293.94
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	694.46	293.94

22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	990.23	293.94

22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,018.64	293.94
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,200.28	293.94
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,223.74	293.94
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,209.32	293.94
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,261.19	293.94

22 42 19 00-0018 Bathtub Refinishing *(22 42 19 00-0001)*

22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	628.11	

22 42 19 00-0020 Tub And Shower Combinations *(22 42 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0021		Acrylic Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)	1,282.58	110.07
		For 2 Piece Enclosure, Deduct	*-278.60*	
22 42 19 00-0023		Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	855.00	110.07
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	674.74	73.38
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,352.46	166.14
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	3,464.81	341.93
		For 2 Piece Enclosure, Deduct	*-718.87*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,727.62	170.54
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,727.62	170.54
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,615.01	170.54
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	2,878.45	170.54
22 42 23 00-0007		Solid Plastic Core High Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,850.72	170.54
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,850.72	170.54
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,098.60	170.54
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,583.89	170.54
22 42 23 00-0012		Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,444.91	170.54
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,485.87	170.54
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,526.83	170.54
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,608.74	170.54
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,717.28	170.54
22 42 23 00-0018		1 Piece Shower Units *(22 42 23)*		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	1,240.38	110.07
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	1,390.77	110.07
22 42 23 00-0021		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0022		Acrylic Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	460.16	43.06
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	486.57	43.06
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	539.30	43.06
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	655.93	51.67
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	461.40	43.06
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	496.13	43.06
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	560.74	43.06
22 42 23 00-0030	EA	60" x 32" Acrylic Shower Receptor	623.06	51.67
22 42 23 00-0031	EA	60" x 36" Acrylic Shower Receptor	627.53	51.67
22 42 23 00-0032	EA	60" x 42" Acrylic Shower Receptor	631.63	51.67
22 42 23 00-0033	EA	60" x 48" Acrylic Shower Receptor	695.83	51.67
22 42 23 00-0034	EA	36" x 36" Acrylic Corner Shower Receptor	671.83	43.06
22 42 23 00-0035	EA	42" x 42" Acrylic Corner Shower Receptor	771.50	43.06
22 42 23 00-0036		Molded Stone Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0037	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	306.60	43.06
22 42 23 00-0038	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	321.50	43.06
22 42 23 00-0039	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	323.16	43.06
22 42 23 00-0040	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	396.83	43.06
22 42 23 00-0041	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	352.13	43.06
22 42 23 00-0042	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	372.83	43.06
22 42 23 00-0043	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	375.31	43.06
22 42 23 00-0044	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	434.65	51.67
22 42 23 00-0045	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	450.38	51.67
22 42 23 00-0046	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	356.27	43.06
22 42 23 00-0047	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	365.38	43.06
22 42 23 00-0048		Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0049	EA	30" x 30" Precast Terrazzo Shower Receptor	576.47	43.06
22 42 23 00-0050	EA	32" x 32" Precast Terrazzo Shower Receptor	598.82	43.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0051	EA	34" x 34" Precast Terrazzo Shower Receptor	619.52	43.06
22 42 23 00-0052	EA	36" x 36" Precast Terrazzo Shower Receptor	622.00	43.06
22 42 23 00-0053	EA	40" x 40" Precast Terrazzo Shower Receptor	680.78	43.06
22 42 23 00-0054	EA	42" x 42" Precast Terrazzo Shower Receptor	710.58	43.06
22 42 23 00-0055	EA	48" x 48" Precast Terrazzo Shower Receptor	998.66	43.06
22 42 23 00-0056	EA	36" x 32" Precast Terrazzo Shower Receptor	614.55	43.06
22 42 23 00-0057	EA	42" x 32" Precast Terrazzo Shower Receptor	626.42	43.06
22 42 23 00-0058	EA	42" x 34" Precast Terrazzo Shower Receptor	647.66	43.06
22 42 23 00-0059	EA	42" x 36" Precast Terrazzo Shower Receptor	674.15	43.06
22 42 23 00-0060	EA	32" x 48" Precast Terrazzo Shower Receptor	676.64	43.06
22 42 23 00-0061	EA	48" x 34" Precast Terrazzo Shower Receptor	710.58	43.06
22 42 23 00-0062	EA	54" x 32" Precast Terrazzo Shower Receptor	744.52	43.06
22 42 23 00-0063	EA	60" x 30" Precast Terrazzo Shower Receptor	1,006.37	51.67
22 42 23 00-0064	EA	60" x 32" Precast Terrazzo Shower Receptor	1,100.30	51.67
22 42 23 00-0065	EA	60" x 34" Precast Terrazzo Shower Receptor	1,104.91	51.67
22 42 23 00-0066	EA	60" x 36" Precast Terrazzo Shower Receptor	1,109.49	51.67
22 42 23 00-0067	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	625.31	43.06
22 42 23 00-0068	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	626.42	43.06
22 42 23 00-0069	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	628.62	43.06
22 42 23 00-0070	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	753.62	43.06
22 42 23 00-0071	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,370.35	43.06
22 42 23 00-0072	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,525.72	51.67
22 42 23 00-0073	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,590.29	51.67

22 42 23 00-0074 Shower Receptors Accessories *(22 42 23 00-0021)*

22 42 23 00-0075	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	3.85	

22 42 23 00-0076 Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0077	EA	Removal And Reinstallation Of Shower Head	51.67	

22 42 23 00-0078 Removal Of Tile Shower Floor With Lead Liner Pan *(22 42 23)*

See CSI section 01 74 19 00-0031 for landfill dump fee.

22 42 23 00-0079	SF	Removal Of Tile Shower Floor With Lead Liner Pan	0.00	4.06

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,289.82	178.37
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,984.13	178.37
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,613.57	178.37
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	11,843.01	203.84
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,750.31	203.84
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,318.59	203.84
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,105.63	152.88
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,548.35	152.88
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,534.70	152.88
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	9,947.17	178.37
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,486.98	178.37
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,772.80	178.37
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	218.97	52.87
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	248.16	52.87
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	205.84	52.87
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	232.38	52.87
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	203.55	52.87
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	224.11	52.87
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	293.44	52.87
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	206.45	52.87
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	198.66	52.87
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	236.72	52.87
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	413.03	52.87
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	453.90	52.87
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	426.42	57.41
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	424.43	57.41
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	314.44	57.41
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	739.24	52.87
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	937.59	52.87
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,003.71	52.87
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	739.24	52.87
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	937.59	52.87
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,003.71	52.87

22 42 39 00-0023 Lavatory Faucets *(22 42 39)*

22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	270.10	38.06
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	185.65	38.06
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	231.85	38.06
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	254.88	38.06
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	314.38	38.06
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	367.22	38.06
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	221.91	38.06
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	340.85	38.06
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	244.01	38.06
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	249.80	38.06
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	302.87	38.06
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	296.59	38.06
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	241.24	38.06

22 42 39 00-0037 Bath And Shower Faucets *(22 42 39)*

22 42 39 00-0038 Bath And Shower Faucets With Valve Body *(22 42 39 00-0037)*

22 42 39 00-0039	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	248.60	45.89
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	292.17	45.89
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	320.10	45.89
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	229.60	45.89
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	240.78	45.89
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	273.17	45.89
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	310.04	45.89
		For Faucet With Metal Cross Handles, Add	*45.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0046		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	398.92	71.37
22 42 39 00-0048	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	910.25	71.37
22 42 39 00-0049	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	628.57	71.37
22 42 39 00-0050	EA	Senior Institutional Shower Head (Symmons® 4-150)	241.61	45.89
22 42 39 00-0051	EA	Universal Institutional Shower Head (Symmons® 4-151)	407.96	45.89
22 42 39 00-0052	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	285.41	45.89
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	213.68	45.89
22 42 39 00-0054	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	912.60	68.73
22 42 39 00-0055	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	744.98	79.30
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	987.74	79.30
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,395.16	84.58
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,267.32	71.37
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,509.75	71.37
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,022.94	71.37
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,552.37	71.37
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,666.49	71.37
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	3,087.93	71.37
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	2,695.41	71.37
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,345.06	71.37
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,073.25	71.37
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,343.23	71.37
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,339.21	71.37
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	989.36	63.44
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	765.91	45.89
22 42 39 00-0071		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	537.04	88.02
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	381.30	88.02
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	411.46	88.02
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	427.11	88.02
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	557.06	123.39
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	623.71	140.63
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	722.02	140.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	423.81	88.02
22 42 39 00-0080	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	870.38	140.63
22 42 39 00-0081		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0082	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	217.80	37.43
22 42 39 00-0083	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	357.38	52.87
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	464.89	52.87
22 42 39 00-0085	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	284.07	49.37
22 42 39 00-0086	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	385.64	70.42
22 42 39 00-0087	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	525.81	70.42
22 42 39 00-0088	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	421.01	52.87
22 42 39 00-0089	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	411.11	70.42
22 42 39 00-0090	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	269.87	40.65
22 42 39 00-0091	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	380.19	57.41
22 42 39 00-0092	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	291.35	57.41
22 42 39 00-0093	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	357.29	57.41
22 42 39 00-0094	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	90.85	35.31
22 42 39 00-0095	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	584.11	63.44
22 42 39 00-0096	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	753.46	63.44
22 42 39 00-0097	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	907.74	63.44
22 42 39 00-0098	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	801.79	63.44
22 42 39 00-0099	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	956.28	63.44
22 42 39 00-0100	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	158.00	34.89
22 42 39 00-0101	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	222.19	41.87
22 42 39 00-0102	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	222.19	41.87
22 42 39 00-0103	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	286.39	48.85
22 42 39 00-0104	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	350.57	55.83
22 42 39 00-0105		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0106	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	891.91	39.65
22 42 39 00-0107	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	967.68	37.00
22 42 39 00-0108	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,250.24	39.65
22 42 39 00-0109	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,320.78	39.65
22 42 39 00-0110	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,607.29	26.44
22 42 39 00-0111	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,932.83	66.09
22 42 39 00-0112	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,702.35	66.09
22 42 39 00-0113	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,792.12	66.09
22 42 39 00-0114	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	315.71	40.19
22 42 39 00-0115	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	348.15	40.19
22 42 39 00-0116	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	376.48	40.19
22 42 39 00-0117	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,685.75	26.44
22 42 39 00-0118		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0119	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	387.61	37.43
22 42 39 00-0120	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	343.54	49.37
22 42 39 00-0121	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	382.26	37.43
22 42 39 00-0122	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	232.55	53.62
22 42 39 00-0123	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	454.10	40.65
22 42 39 00-0124	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	460.24	40.65
22 42 39 00-0125	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	382.60	40.65
22 42 39 00-0126		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0127	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	706.40	88.18
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0128	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	713.10	88.18
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	958.63	95.76
22 42 39 00-0130	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,000.48	88.18
22 42 39 00-0131	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,489.44	95.76
22 42 39 00-0132	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,867.16	95.76
22 42 39 00-0133	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,743.30	95.76
22 42 39 00-0134	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,214.59	88.18
22 42 39 00-0135	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,038.07	88.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0136	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,097.15	88.18
22 42 39 00-0137	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	949.45	88.18
22 42 39 00-0138	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,097.15	88.18
22 42 39 00-0139	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	957.68	88.18
22 42 39 00-0140	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	957.68	88.18
22 42 39 00-0141	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,079.15	88.18
22 42 39 00-0142	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	914.16	88.18
22 42 39 00-0143	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	876.90	88.18
22 42 39 00-0144	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,456.03	88.18
22 42 39 00-0145		**Singles** *(22 42 39)*		
22 42 39 00-0146	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	272.01	38.81
22 42 39 00-0147		**Other Trim** *(22 42 39)*		
22 42 39 00-0148	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	19.78	5.74
22 42 39 00-0149	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	136.07	17.22
22 42 39 00-0150	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	53.57	14.35
22 42 39 00-0151	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	122.66	14.35
22 42 39 00-0152	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	63.85	15.86
22 42 39 00-0153	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	66.72	15.86
22 42 39 00-0154	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	165.20	15.86
22 42 39 00-0155	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	202.12	15.86
22 42 39 00-0156	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	228.94	15.86
22 42 39 00-0157	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	39.44	11.10
22 42 39 00-0158	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	39.44	11.10
22 42 39 00-0159	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	55.15	11.10
22 42 39 00-0160	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	37.15	12.20
22 42 39 00-0161	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	23.18	7.18
22 42 39 00-0162	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	23.89	7.18
22 42 39 00-0163		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0164	EA	Removal And Reinstallation Of Faucet	91.85	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	322.04	36.06
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	311.64	36.06
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	363.89	36.06
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	502.65	36.06
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	561.37	36.06
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	1,043.47	36.06
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	1,039.97	36.06
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	1,099.20	36.06
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	1,019.67	36.06
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	442.74	36.06
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	816.35	36.06
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	440.44	36.06
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	438.29	36.06
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	447.18	31.72
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	487.10	31.72
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	1,058.78	36.06
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	1,162.00	36.06
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,478.69	36.06
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,478.69	36.06
22 42 43 00-0021	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV)	277.67	36.06
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	955.83	36.06
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	947.65	36.06
22 42 43 00-0024	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	469.58	31.72
22 42 43 00-0025	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	146.45	6.24
22 42 43 00-0026	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	553.56	36.06
22 42 43 00-0027	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	347.45	36.06
22 42 43 00-0028	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	969.13	36.06
22 42 43 00-0029		**Urinal Flush Valves** *(22 42 43)*		
22 42 43 00-0030	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	274.15	36.06
22 42 43 00-0031	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	296.28	36.06

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22 42 43 00-0032	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	402.06	36.06
22 42 43 00-0033	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	489.20	36.06
22 42 43 00-0034	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	776.45	36.06
22 42 43 00-0035	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,047.61	36.06
22 42 43 00-0036	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,176.75	36.06
22 42 43 00-0037	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	763.49	36.06
22 42 43 00-0038	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	1,155.35	36.06
22 42 43 00-0039	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV) Note: 0.5, 1.0 or 1.5 GPF.	330.21	36.06
22 42 43 00-0040	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	500.70	36.06
22 42 43 00-0041	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	315.71	36.06
22 42 43 00-0042	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	824.36	36.06
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	827.26	36.06
22 42 43 00-0044		Removal And Reinstallation Of Fixtures And Trim *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0045	EA	Removal And Reinstallation Of Flush Valve	143.52	
22 42 43 00-0046		Plumbing Control Transformers *(22 42 43)*		
22 42 43 00-0047	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	66.10	
22 42 46		**Chemical Toilets** *(22 42)* Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		Standard Chemical Toilets *(22 42 46)*		
22 42 46 00-0002		Small Tank Chemical Toilets *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	4,394.14	1,057.33
		For Extra Urinal, Add	*143.36*	
22 42 46 00-0004		Medium Tank Chemical Toilets *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	5,221.71	1,259.29
		For Extra Urinal, Add	*169.73*	
22 42 46 00-0006		Large Tank Chemical Toilets *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	6,302.49	1,428.45
		For Extra Urinal, Add	*230.61*	
22 43		**Healthcare Plumbing Fixtures** *(22 40)*		
22 43 13		**Healthcare Water Closets** *(22 43)*		
22 43 13 00-0001		Healthcare Water Closets *(22 43 13)*		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	831.16	109.96
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	676.15	109.96
22 43 16		**Healthcare Sinks** *(22 43)*		
22 43 16 00-0001		Healthcare Sinks *(22 43 16)* Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,239.94	70.84
		For Stainless Steel Rim Guards (Three Sides), Add	*108.61*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,334.98	203.53
		For Stainless Steel Rim Guards (Three Sides), Add	*108.61*	
		For Pedestal Base, Add	*497.95*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,192.13	70.84
		For Painted Bracket Supports, Add	*175.74*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,048.69	70.84
22 43 16 00-0006		Surgical Scrub Sinks *(22 43 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 16 00-0007	EA	25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR) Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.	5,260.56	158.60
22 43 16 00-0008	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,068.81	211.47
22 43 16 00-0009	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,068.81	211.47
22 43 16 00-0010	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	10,651.85	264.33
22 43 16 00-0011	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	10,651.85	264.33
22 43 16 00-0012	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	13,910.53	317.20
22 43 16 00-0013	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	13,910.53	317.20
22 43 16 00-0014	EA	Single Chair Carrier (FHC P-617106-846)	552.72	79.30
22 43 16 00-0015	EA	Double Chair Carrier (FHC P-617106-851)	585.81	84.58
22 43 16 00-0016	EA	Triple Chair Carrier (FHC P-617106-852)	641.43	89.87
22 43 16 00-0017	EA	60" Wide x 23" Deep x 38-1/4" High, 2.2 GPM, Laminar Flow Spray Head, Chrome Color Finish, Wall Mounted, Stainless Steel Scrub Sink (Sloan ESS-2100-C)	12,840.47	105.73

22 43 23 Healthcare Showers *(22 43)*

22 43 23 00-0001 Gel-Coated Fiberglass Showers *(22 43 23)*

22 43 23 00-0002	EA	62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H) Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,075.64	211.47
22 43 23 00-0003	EA	Three Piece 62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H) Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,200.92	190.31

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	100.97	15.86

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	575.61	77.61
		For Hard Wired AC Powered, Add	*24.73*	

22 43 39 00-0005 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	431.14	141.05
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	508.23	141.05
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,102.40	141.05
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	670.06	141.05

22 43 39 00-0010 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	601.59	77.61
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	608.58	77.61
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	607.87	77.61
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	541.55	77.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	517.81	77.61
22 43 39 00-0016		Bedpan Washers *(22 43 39)*		
22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,434.45	141.05
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,361.35	141.05
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,339.69	141.05
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,318.63	141.05
22 43 43		**Healthcare Plumbing Fixture Flushometers** *(22 43)*		
22 43 43 00-0001		Healthcare Plumbing Fixture Flushometers *(22 43 43)*		
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	230.25	36.06
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	509.27	36.06
22 43 46		**Healthcare Patient Care Units** *(22 43)*		
22 43 46 00-0001		Patient Care Units *(22 43 46)*		
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	19,777.01	211.47
		For SDB Single Temperature Dialysis Box, Add	*1,450.35*	
		For DDB Dual Temperature Dialysis Box, Add	*1,540.44*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,113.49*	
		For LOCK Flush Valve Lockout Device, Add	*817.51*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	15,576.96	185.04
		For SDB Single Temperature Dialysis Box, Add	*1,450.35*	
		For DDB Dual Temperature Dialysis Box, Add	*1,540.44*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,113.49*	
		For LOCK Flush Valve Lockout Device, Add	*817.51*	
22 43 46 00-0004		Patient Care Plumbing Accessories *(22 43 46)*		
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,887.06	28.71
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,079.39	28.71
22 45		**Emergency Plumbing Fixtures** *(22 40)*		
22 45 13		**Emergency Showers** *(22 45)*		
22 45 13 00-0001		Emergency Drench Showers *(22 45 13)*		
22 45 13 00-0002		Emergency Drench Showers (Haws) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	697.52	185.04
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	799.14	185.04
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	855.60	185.04
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,024.98	185.04
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,375.02	185.04
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,089.14	211.47
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,192.82	237.90
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,085.55	237.90
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,108.14	237.90
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,531.57	237.90
22 45 13 00-0013		Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	617.33	185.04
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	635.80	185.04
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	998.53	211.47
22 45 13 00-0017		Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	843.03	185.04
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	863.72	185.04
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	1,876.62	185.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,345.45	237.90
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,813.43	237.90
22 45 13 00-0023		Emergency Drench Showers (Guardian) *(22 45 13 00-0001)*		
22 45 13 00-0024	EA	11-3/4" Bowl Diameter, 20 GPM, 2 Spray Heads, Height Impact Plastic, Flip Top Dust Covers, Pull Handle Activator, Emergency Wash Station Drench Shower (Guardian G1902P)	1,164.28	211.47
22 45 13 00-0025		Emergency Drench Showers (Hughes) *(22 45 13 00-0001)*		
22 45 13 00-0026	EA	41-5/16" Length x 40-13/16" Width x 94-13/16" Height, Covered ABS Eye/Face Wash, Emergency Cubicle Shower (Hughes SD32K45G)	9,602.12	211.47
22 45 13 00-0027	EA	30-13/16" Length x 19-13/16" Width x 103" Height, Floor Mounted, Closed ABS Bowl, Galvanized Pipe, Top Inlet, Floor Mounted, Emergency Shower Station (Hughes 18G45GT)	1,575.95	211.47
22 45 16		**Eyewash Equipment** *(22 45)*		
22 45 16 00-0001		Emergency Eyewash Equipment *(22 45 16)*		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	304.16	5.29
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,441.24	237.90
22 45 16 00-0005		Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*		
22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	851.02	52.87
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	851.02	52.87
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	866.69	52.87
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	866.69	52.87
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,154.39	52.87
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,316.47	52.87
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,316.47	52.87
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,446.87	52.87
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,446.87	52.87
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	2,560.91	52.87
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	2,560.91	52.87
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,161.04	52.87
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,161.04	52.87
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,552.61	185.04
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,530.49	185.04
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,094.50	185.04
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,554.28	185.04
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	930.34	185.04
22 45 16 00-0024		Emergency Eyewash Equipment (Fendall) *(22 45 16 00-0001)*		
22 45 16 00-0025	EA	7 Gallon Capacity, 15-minute Constant Flow, Plastic, Mounted Eyewash Station (Fendall H-3838) Note: Includes emergency sign, installation DVD, mounting bracket and tamper seal	647.52	57.41
22 45 16 00-0026		Emergency Eyewash Equipment (Porta Stream) *(22 45 16 00-0001)*		
22 45 16 00-0027	EA	26" Height x 20" Width x 20" Depth, 16 Gallon Capacity, Eyewash Station (Porta Stream II H-1142)	480.15	38.23
22 45 16 00-0028		Emergency Eyewash Equipment (Pure Flow) *(22 45 16 00-0001)*		
22 45 16 00-0029	EA	30" Height x 29" Width x 23" Depth, 0.4 GPM Constant Flow, 7 Gallon Capacity, Eyewash Station (Pure Flow 1000 H-1297)	622.15	57.41
22 45 16 00-0030		Emergency Eyewash Equipment (U-Line) *(22 45 16 00-0001)*		
22 45 16 00-0031	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Plastic, Mounted Eyewash Station (U-Line H-5457) Note: Includes emergency sign and inspection tag	700.26	229.63
22 45 16 00-0032	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Stainless Steel, Mounted Eyewash Station (U-Line H-5795) Note: Includes emergency sign and inspection tag	787.89	229.63
22 45 16 00-0033	EA	20" Height x 11" Width x 14" Depth, 3-minute Constant Flow, 1 Gallon Capacity, Pull Strap Activation, Wall Mounted Or Tabletop Use Flash Flood Eyewash Station (U-Line H-7917)	248.39	38.23
22 45 16 00-0034	EA	1" Head Diameter, Single Faucet With Easy Pull-knob, Faucet Mounted Eyewash Station (U-Line H-5100)	139.70	19.17
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	304.12	15.86
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,595.32	15.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	727.80	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	868.20	

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	755.52	132.17
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	759.62	185.04
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	742.69	185.04
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	809.31	185.04
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	816.08	185.04
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	896.25	185.04
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,216.94	185.04
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,289.65	185.04
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	931.06	211.47
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,060.91	211.47
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,370.75	211.47
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	630.79	52.87
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	608.21	52.87
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	636.44	52.87
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	800.17	52.87
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,951.41	264.33
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,359.46	211.47
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,425.67	264.33
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	2,845.00	211.47

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	694.28	185.04
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	850.78	211.47

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,383.03	185.04
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	1,842.82	185.04
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	1,784.37	185.04
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,644.89	185.04
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	896.65	52.87
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	896.65	52.87
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	869.44	52.87
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	869.44	52.87
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,336.92	52.87
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,336.92	52.87

22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*

Note: Includes one pull rod.

22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,559.92	185.04

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	674.17	66.09
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	775.80	66.09
22 45 29 00-0005		Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*		
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	680.51	66.09
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	625.90	66.09
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	947.19	66.09
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	886.42	66.09
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	908.18	66.09
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,194.69	66.09
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,385.24	66.09
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,320.62	66.09
22 45 33		**Combination Emergency Fixture Units** *(22 45)*		
22 45 33 00-0001		Emergency Shower With Eye/Face Wash *(22 45 33)*		
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*		
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	3,990.08	343.64
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,702.83	343.64
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,884.18	343.64
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,996.41	343.64
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,200.35	343.64
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,070.49	343.64
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,771.26	343.64
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,894.79	343.64
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,171.43	343.64
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,233.54	343.64
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,611.81	343.64
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	3,832.00	343.64
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	3,769.89	343.64
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	5,633.02	343.64
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	5,937.90	343.64
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	12,543.54	343.64
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,771.26	343.64
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,002.74	343.64
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,685.46	343.64
22 45 33 00-0023	EA	3.18 GPM, 1-1/4" IPS Galvanized Steel Piping, Durajade Powder-Coat, Yellow Bowl Color, ADA compliant, Push-handle Activated, Pull-rod Shower, Brass Fittings, Floor Mounted, Combination Emergency Station (Speakman SE-697)	1,108.98	211.47
22 45 33 00-0024		Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*		
22 45 33 00-0025	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	6,268.20	287.05
22 45 33 00-0026	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	6,406.77	287.05
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,501.55	287.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,285.96	287.05
22 45 33 00-0029	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	2,961.34	287.05
22 45 33 00-0030		Emergency Shower With Eye/Face Wash (Guardian) *(22 45 33 00-0001)*		
22 45 33 00-0031	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (Guardian H-5101)	1,295.22	229.63
22 45 33 00-0032	EA	Emergency Eye Wash Station With Stainless Steel Bowl And Shower Head (Guardian H-6618)	2,592.37	229.63
22 45 33 00-0033	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (U-Line H-6697)	1,093.44	229.63
22 45 33 00-0034		Emergency Shower With Eye/Face Wash (Hughes) *(22 45 33 00-0001)*		
22 45 33 00-0035	EA	120 Volt, 35-13/64" Length x 14-45/64" Width x 104-1/2" Height, Freeze Protected, ABS Bowl, Floor Mounted, Emergency Shower Station (Hughes H5G45G-1H)	3,509.56	211.47
22 45 33 00-0036	EA	29-1/2" Length x 12-13/32" Width x 103" Height, Open ABS Bowl, Galvanized Pipe, Floor Mounted, Emergency Combination Shower (Hughes 18G75G)	1,337.27	211.47
22 45 36		**Emergency Fixture Water-Tempering Equipment** *(22 45)*		
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment *(22 45 36)*		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	713.69	66.09
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,046.80	66.09
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,537.99	66.09
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,814.63	66.09
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,571.18	66.09
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,712.32	66.09
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	4,558.52	66.09
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	5,478.79	66.09
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	798.38	66.09
22 45 39		**Emergency Plumbing Fixture Accessories** *(22 45)*		
22 45 39 00-0001		Emergency Plumbing Fixture Accessories *(22 45 39)*		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	183.44	21.15
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	256.83	21.15
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	268.12	21.15
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	298.15	7.93
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	304.16	5.29
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	331.67	10.58
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	582.04	79.30
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	605.61	37.45
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	899.19	37.45
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,046.80	79.30
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,000.13	37.45
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,225.70	124.83
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,270.86	124.83
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,201.75	124.83
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	7,984.46	124.83
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,094.57	79.31
22 45 39 00-0020		Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*		
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	180.35	17.22
22 45 39 00-0022		Emergency Plumbing Fixture Accessories (U-Liner) *(22 45 39 00-0001)*		
22 45 39 00-0023	EA	58" Height x 29" Width x 20" Depth, Portable Eyewash Stand (U-Line H-5193) Note: Includes eyewash station bolts to stand	165.92	14.35
22 45 39 00-0024	EA	12" Height x 18" Width, Aluminum, Corrosion Resistant With Engineer-grade Reflective Surface, Eyewash Sign (U-Line S-17343A)	63.30	14.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0025	EA	7" Height x 10" Width, 0.055" Thick HDPE, Plastic, Eyewash Sign (U-Line S-17343P) Note: Includes pre-drilled mounting holes and 4 strips of double-sided mounting tape	37.97	9.18
22 45 39 00-0026	EA	7" Height x 10" Width,Vinyl, Eyewash Sign (U-Line S-17343V) Note: Includes 4 mil flexible vinyl with adhesive backing	29.90	9.18

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,753.30	264.33
		For Angled Toilet, Add	*26.43*	
		For Offset Toilet, Add	*248.90*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	3,326.34	264.33
		For Angled Toilet, Add	*26.43*	
		For Offset Toilet, Add	*306.20*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	3,376.55	264.33
		For Angled Toilet, Add	*26.43*	
		For Offset Toilet, Add	*311.22*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	311.66	52.87
22 46 13 13-0006	EA	Penal-Ware® Blowout Jet Water Closet, Integral Seat, Back Supply, Floor Mount, Wall Outlet, Stainless Steel (Acorn LR1685-W-2FVBO TLT)	1,147.45	264.33
22 46 13 13-0007	EA	Ligature Resistant, Stainless Steel, Floor Mount, Wall Outlet, Siphon Jet Toilet - ADA (Whitehall BestCare® WH2142-ADA-T-EGE10)	2,196.46	264.33

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	3,250.98	237.90
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	5,511.39	338.03

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,980.19	327.77
		For Angled Toilet, Add	*32.78*	
		For Offset Toilet, Add	*465.24*	
		For 15" Mirror/Shelf Module, Add	*877.78*	
		For AC Duplex Outlet Option, Add	*95.56*	
		For Intercom Option, Add	*140.56*	
		For 15" Wide Light/Ventilation Module, Add	*831.67*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	5,131.35	343.64
		For Angled Toilet, Add	*34.36*	
		For Offset Toilet, Add	*478.77*	
		For 18" Mirror/Shelf Module, Add	*918.63*	
		For AC Duplex Outlet Option, Add	*98.73*	
		For Intercom Option, Add	*143.73*	
		For 18" Wide Light/Ventilation Module, Add	*856.18*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	5,246.18	359.49
		For Angled Toilet, Add	*35.95*	
		For Offset Toilet, Add	*488.67*	
		For 20" Mirror/Shelf Module, Add	*969.50*	
		For AC Duplex Outlet Option, Add	*101.90*	
		For Intercom Option, Add	*146.90*	
		For 20" Wide Light/Ventilation Module, Add	*890.70*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	5,613.75	375.35
		For Angled Toilet, Add	*37.54*	
		For Offset Toilet, Add	*523.84*	
		For 26" Mirror/Shelf Module, Add	*1,010.35*	
		For AC Duplex Outlet Option, Add	*105.07*	
		For Intercom Option, Add	*150.07*	
		For 26" Wide Light/Ventilation Module, Add	*920.21*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	9,033.52	391.21
		For Angled Toilet, Add	*39.12*	
		For Offset Toilet, Add	*864.23*	
		For 28" Mirror/Shelf Module, Add	*1,046.22*	
		For AC Duplex Outlet Option, Add	*108.24*	
		For Intercom Option, Add	*153.24*	
		For 28" Wide Light/Ventilation Module, Add	*949.73*	

22 46 16 Security Lavatories and Sinks *(22 46)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 16 13		**Security Lavatories** *(22 46 16)*		
22 46 16 13-0001		Security Lavatories *(22 46 16 13)*		
22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,984.04	185.04
		For Shelf, Add	*90.51*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	2,017.28	185.04
		For Shelf, Add	*90.51*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,297.97	185.04
		For Shelf, Add	*90.51*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	2,017.28	185.04
		For Shelf, Add	*90.51*	
22 46 16 13-0006	EA	Penal-Ware® 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn M-1652-E530-1 Multi -Lav)	3,657.76	185.04
22 46 16 13-0007	EA	Ligature Resistant Corterra®, Wall, Bathroom Sink, With Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall BestCare® WH3775-WH3375L-SO)	2,500.18	264.33
22 46 16 13-0008	EA	Ligature Resistant Corterra®, Wall, Bathroom Sink, Without Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall WH3775−09)	2,149.89	264.33
22 46 16 13-0009	EA	Ligature Resistant Sensor Activated Spout with Electronic Valve, Single Temperature (Whitehall BestCare® WH3375L-SO)	937.98	38.06
22 46 16 16		**Security Sinks** *(22 46 16)*		
22 46 16 16-0001		Security Sinks *(22 46 16 16)*		
22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	4,260.62	281.78
22 46 16 16-0003		Security Mop Sink *(22 46 16 16)*		
22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,092.92	158.60
22 46 19		**Security Showers** *(22 46)*		
22 46 19 00-0001		Security Showers *(22 46 19)*		
22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	11,092.90	422.93
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	11,494.54	422.93
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	11,907.91	422.93
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	15,144.52	422.93
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	721.34	141.15
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	522.89	74.02
22 46 19 00-0008	EA	Ligature Resistant ADA Compliant Flush-Mounted Stainless Steel Security Shower With Temperature/Pressure Mixing Valve, Dual Showerhead (Acorn MLR1748 LIG/RES SHWR)	1,084.27	74.02
22 46 43		**Security Plumbing Fixture Flushometers** *(22 46)*		
22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM) Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).	767.15	36.06
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM) Note: Solenoid operated with module plug 24V (ESM).	766.26	36.06
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM) Note: Solenoid operated with module plug 24V (ESM).	740.22	36.06
22 46 56		**Security Drinking Fountains** *(22 46)*		
22 46 56 00-0001		Security Drinking Fountain *(22 46 56)* Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,242.68	211.47
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,258.71	211.47
22 47		**Drinking Fountains and Water Coolers** *(22 40)*		
22 47 13		**Drinking Fountains** *(22 47)*		
22 47 13 00-0001		Drinking Fountain Accessories *(22 47 13)*		
22 47 13 00-0002		Drinking Fountain Grab Bars *(22 47 13 00-0001)* Note: Includes satin finish and concealed mounting with snap flange.		
22 47 13 00-0003	EA	18" x 33", Wall And Floor Mounted, 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bar	327.46	21.69
		For Peened Grip, Add	*25.57*	
22 47 13 00-0004	EA	18" x 33", Wall And Floor Mounted, 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar	353.03	21.69
		For Peened Grip, Add	*27.87*	
22 47 13 00-0005		Indoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0006		Face Mounted Indoor Drinking Fountain *(22 47 13 00-0005)*		
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,751.78	171.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,542.34	185.04
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	2,301.06	171.82
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,740.17	185.04
22 47 13 00-0011	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,181.74	171.82
22 47 13 00-0012	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,410.30	185.04
22 47 13 00-0013	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,333.71	171.82
22 47 13 00-0014	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	1,615.69	185.04
22 47 13 00-0015		Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0005)*		
22 47 13 00-0016	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,217.70	185.04
22 47 13 00-0017	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	1,854.22	185.04
22 47 13 00-0018	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	2,350.79	237.90
22 47 13 00-0019	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,467.81	237.90
22 47 13 00-0020	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	2,980.55	237.90
22 47 13 00-0021	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,712.03	237.90
22 47 13 00-0022	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201)	1,328.98	185.04
22 47 13 00-0023	EA	White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700)	1,861.90	185.04
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,060.44	185.04
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	2,956.02	185.04
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	2,828.41	185.04
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	2,712.39	185.04
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,468.76	185.04
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,364.35	185.04
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,248.33	185.04
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,248.33	185.04
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,143.92	185.04
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,143.92	185.04
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,097.52	185.04
22 47 13 00-0035	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,097.52	185.04
22 47 13 00-0036	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	1,993.10	185.04
22 47 13 00-0037	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	1,935.10	185.04
22 47 13 00-0038	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	1,853.89	185.04
22 47 13 00-0039	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,819.08	185.04
22 47 13 00-0040	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,703.07	185.04
22 47 13 00-0041	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	1,935.10	185.04
22 47 13 00-0042	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,703.07	185.04
22 47 13 00-0043	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,805.33	185.04
22 47 13 00-0044	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,807.48	185.04
22 47 13 00-0045	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,492.92	132.17
22 47 13 00-0046	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,121.68	132.17
22 47 13 00-0047		Semi-Recessed Indoor Drinking Fountain *(22 47 13 00-0005)*		
22 47 13 00-0048	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,628.75	198.25
22 47 13 00-0049	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	3,462.83	198.25
22 47 13 00-0050		Fully Recessed Indoor Drinking Fountain *(22 47 13 00-0005)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0051	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,742.07	211.47
22 47 13 00-0052	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	3,149.15	211.47
22 47 13 00-0053	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401)	2,107.61	211.47
22 47 13 00-0054	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406)	4,711.98	211.47
22 47 13 00-0055	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403)	3,220.14	211.47
22 47 13 00-0056		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0057	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	729.47	132.17
22 47 13 00-0058	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	702.98	132.17
22 47 13 00-0059	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	848.14	132.17
22 47 13 00-0060		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0061	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	619.28	132.17
22 47 13 00-0062	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	742.33	132.17
22 47 13 00-0063		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0064	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	3,270.99	211.47
22 47 13 00-0065	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	4,105.87	211.47
22 47 13 00-0066	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	3,121.48	211.47
22 47 13 00-0067	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,637.38	211.47
22 47 13 00-0068	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	3,313.38	211.47
22 47 13 00-0069	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,898.88	269.75
22 47 13 00-0070	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,407.80	211.47
22 47 13 00-0071	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,311.75	211.47
22 47 13 00-0072	EA	White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715)	3,223.84	269.75
22 47 13 00-0073	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431)	2,735.29	211.47
22 47 13 00-0074	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501)	2,786.78	211.47
22 47 13 00-0075		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0076		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0077	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,524.69	211.47
22 47 13 00-0078	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	1,668.56	211.47
22 47 13 00-0079	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,606.09	211.47
22 47 13 00-0080	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	2,342.49	211.47
22 47 13 00-0081		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0082	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,866.92	198.25
22 47 13 00-0083	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	4,015.06	198.25
22 47 13 00-0084	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	2,863.11	198.25
22 47 13 00-0085	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,941.73	198.25
22 47 13 00-0086	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	4,248.80	211.47
22 47 13 00-0087	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	4,325.47	211.47
22 47 13 00-0088	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,625.07	198.25
22 47 13 00-0089	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,783.63	198.25
22 47 13 00-0090	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,931.77	198.25
22 47 13 00-0091	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	4,624.57	211.47
22 47 13 00-0092	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	6,477.88	211.47
22 47 13 00-0093	EA	Hi-Lo Pedestal Style Drinking Fountain (Haws Model 3500)	4,991.70	211.47
22 47 13 00-0094	EA	Pedestal Outdoor Drinking Fountain, Triple (Haws 3502)	6,487.78	211.47
22 47 13 00-0095		**Wall Mounted Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0096	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105)	2,123.49	198.25
22 47 13 00-0097	EA	Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L)	2,545.44	198.25
22 47 13 00-0098	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109)	2,359.97	198.25
22 47 13 00-0099	EA	White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075)	2,541.00	198.25
22 47 13 00-0100	EA	Vitreous China Single Drinking Fountain (Haws 1201)	2,072.59	198.25
22 47 13 00-0101		**Multi-Station Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0102	EA	Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119)	2,707.31	211.47
22 47 13 00-0103	EA	Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L)	4,610.25	211.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0104	EA	White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085)	5,422.17	211.47
22 47 13 00-0105	EA	White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408)	3,185.17	211.47

22 47 16 Pressure Water Coolers *(22 47)*

22 47 16 00-0001 Indoor Water Coolers *(22 47 16)*

22 47 16 00-0002 Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	3,286.18	211.47
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	3,506.72	211.47

22 47 16 00-0005 Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,577.70	211.47
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,634.49	211.47
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,812.43	211.47
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,880.58	211.47
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,399.75	211.47
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,617.45	211.47
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,277.65	211.47
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,909.29	211.47
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,137.49	317.20

22 47 16 00-0015 Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,876.63	211.47

22 47 16 00-0017 Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,624.86	237.90
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	4,421.51	237.90
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	5,170.62	237.90

22 47 16 00-0021 Free Standing Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,518.20	185.04
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,628.94	185.04
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,845.70	185.04
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,051.10	185.04

22 47 16 00-0026 Bottled Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	530.75	105.73
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	632.46	105.73

22 47 16 00-0029 Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*

22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	4,344.10	317.20
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	4,981.79	317.20
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	2,314.49	317.20

22 47 16 00-0033 Outdoor Water Coolers *(22 47 16)*

22 47 16 00-0034 Wall Mounted Outdoor Water Coolers *(22 47 16 00-0033)*

22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,625.85	132.17
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,785.88	132.17

22 47 16 00-0037 Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*

22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,680.45	198.25
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	3,210.51	198.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	513.98	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	114.82	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,971.81	211.47
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	4,893.99	211.47
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	6,279.74	237.90
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	6,783.99	237.90
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	7,288.23	237.90
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	935.92	71.37
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,419.38	79.30
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,222.43	92.51
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,571.63	105.73
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	2,461.10	158.60
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,668.30	171.82
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	581.55	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
		For Bi-Level Carrier, Add	*279.92*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	549.26	40.18
		For Up To 4" Extension Sleeves And Hardware, Add	*24.54*	
		For Bi-Level Carrier, Add	*279.92*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	271.55	23.79
22 51 13 00-0003		Pool Drains *(22 51 13)*		
22 51 13 00-0004		Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)* Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	2,835.12	66.61
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Galvanized Top, Add	*276.40*	
		For Vandal Proof Construction, Add	*57.20*	
22 51 13 00-0006		Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)* Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	798.05	66.61
		For Clamp Device, Add	*13.80*	
		For Galvanized Top, Add	*38.10*	
		For Polished Bronze Top, Add	*133.50*	
		For Chromium Plated Top, Add	*146.90*	
		For Hinge Grate, Add	*28.60*	
		For Supplementary Strainer, Add	*7.00*	
		For Threaded Outlet, Add	*9.50*	
		For Vandal Proof Construction, Add	*17.10*	
		For Ground Screw, Add	*18.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0008		**Pool Supply Fittings** *(22 51 13)*		
22 51 13 00-0009		**Cast Iron Pool Supply Fittings** *(22 51 13 00-0008)*		
		Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Pipe	1,031.66	118.95
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Pipe	1,031.66	118.95
		For Chromium Plated Head, Add	*11.50*	
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 16		**Swimming Pool Pumps** *(22 51)*		
22 51 16 00-0001		**Variable Speed Pool Pumps** *(22 51 16)*		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,721.62	449.37
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	2,980.31	449.37
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,327.53	449.37
22 51 16 00-0005		**Electric Powered Portable Vacuum Cleaner Pump** *(22 51 16)*		
		Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	367.95	52.87
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	640.79	52.87
22 51 16 00-0008		**Gasoline Driven Portable Vacuum Cleaner Pump** *(22 51 16)*		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,454.65	52.87
22 51 19		**Swimming Pool Water Treatment Equipment** *(22 51)*		
22 51 19 00-0001		**Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	40,280.12	757.81
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	43,869.49	909.36
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	48,109.50	985.15
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	59,124.24	1,060.93
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	61,321.85	1,136.70
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	93,009.22	1,364.05
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	119,234.24	1,439.83
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	124,033.97	1,553.50
22 51 19 00-0010		**Non-Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	21,599.56	985.15
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	23,018.22	1,060.93
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	25,079.67	1,136.70
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	33,163.95	1,364.05
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	38,452.08	1,439.83
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	41,046.33	1,553.50
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	40,655.33	1,629.28
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	52,763.28	1,667.17
22 51 19 00-0019		**Swimming Pool Heaters** *(22 51 19)*		
		Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020		**Electric Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,328.04	211.47
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,838.35	227.33
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,373.72	264.33
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,683.48	317.20
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,239.95	444.08
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,135.47	634.40
22 51 19 00-0027		**Gas Fired Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	5,962.05	1,030.48
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	6,771.65	1,177.69
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	7,652.02	1,324.90
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	8,799.71	1,619.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	9,060.31	1,708.88
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	10,627.96	2,095.82
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	16,773.24	2,418.25
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	19,458.64	2,660.08
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	21,948.93	2,901.91
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	28,161.12	3,425.86
22 51 19 00-0038		**Surge Tanks** *(22 51 19)*		
		Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	22,916.91	841.79
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	25,778.39	841.79
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	31,038.59	1,076.88
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	40,793.06	1,737.98
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	14,687.38	3,007.43
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	17,510.67	3,608.92
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	1,999.35	358.81
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	2,937.67	478.45
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)*		
		Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	262.07	105.73
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	479.69	158.60
22 51 19 00-0052		**Horizontal High Rate Sand Filters** *(22 51 19)*		
		Note: Includes sand, filter system equipment and attached accessory gauges.		
22 51 19 00-0053	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.	40,780.95	2,267.56
22 51 19 00-0054	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.	24,872.05	2,267.56
22 51 19 00-0055	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.	56,409.33	4,535.13
22 51 19 00-0056	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.	44,612.48	4,535.13
22 51 19 00-0057	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.	57,989.26	4,535.13
22 51 19 00-0058	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.	46,428.35	4,535.13
22 51 19 00-0059	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.	79,233.58	6,802.70
22 51 19 00-0060	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.	61,685.77	6,802.70
22 51 19 00-0061	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.	81,508.69	6,802.70
22 51 19 00-0062	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.	68,267.33	6,802.70
22 51 19 00-0063	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.	102,272.59	9,070.26
22 51 19 00-0064	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.	87,404.35	9,070.26
22 51 19 00-0065	EA	675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.	124,347.63	11,337.82
22 51 19 00-0066	EA	675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.	105,198.81	11,337.82
22 51 19 00-0067	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.	127,840.34	11,337.82
22 51 19 00-0068	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.	109,017.14	11,337.82
22 51 19 00-0069	EA	810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.	147,648.97	13,605.39
22 51 19 00-0070	EA	810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.	126,347.23	13,605.39
22 51 19 00-0071	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.	150,699.30	13,605.39
22 51 19 00-0072	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.	128,830.95	13,605.39
22 51 19 00-0073	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.	154,781.85	13,605.39
22 51 19 00-0074	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.	123,574.98	13,605.39
22 51 19 00-0075	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	174,018.79	15,872.96
22 51 19 00-0076	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	152,715.55	15,872.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0077	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	179,153.13	15,872.96
22 51 19 00-0078	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	157,274.19	15,872.96
22 51 19 00-0079	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	199,367.19	18,140.52
22 51 19 00-0080	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	177,724.19	18,140.52
22 51 19 00-0081		Swimming Pool Chlorinators *(22 51 19)*		
22 51 19 00-0082	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,124.93	151.20
22 51 19 00-0083		Ultra-Violet Pool Treatment Lights *(22 51 19)*		
22 51 19 00-0084		Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)* Note: Delta ELP Amalgam Series		
22 51 19 00-0085	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	15,676.03	329.67
22 51 19 00-0086	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,576.49	329.67
22 51 19 00-0087	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,348.32	329.67
22 51 19 00-0088	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,895.55	349.11
22 51 19 00-0089	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,278.04	349.11
22 51 19 00-0090	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	21,751.19	349.11
22 51 19 00-0091	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	25,644.95	626.93
22 51 19 00-0092	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	38,072.43	626.93
22 51 19 00-0093	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	41,806.02	626.93
22 51 19 00-0094	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	44,820.05	752.11
22 51 19 00-0095	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	48,145.74	752.11
22 51 19 00-0096	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	50,467.48	752.11
22 51 19 00-0097	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	52,977.45	752.11
22 51 19 00-0098	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	56,897.08	854.91
22 51 19 00-0099	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	61,289.54	854.91
22 51 19 00-0100	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	65,681.97	854.91
22 51 19 00-0101	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	71,015.66	854.91
22 51 19 00-0102		HDPE Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)* Note: Delta EL Series		
22 51 19 00-0103	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	7,785.35	329.67
22 51 19 00-0104	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,663.81	329.67
22 51 19 00-0105	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,571.61	349.11
22 51 19 00-0106		In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)* Note: Delta EM Series		
22 51 19 00-0107	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	30,375.04	329.67
22 51 19 00-0108	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	30,688.76	329.67
22 51 19 00-0109	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,719.95	626.93
22 51 19 00-0110	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	41,467.16	626.93
22 51 19 00-0111	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	57,871.88	752.11
22 51 19 00-0112	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	65,305.49	854.91
22 51 19 00-0113	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	76,981.99	1,106.29
22 51 19 00-0114	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	86,394.35	1,106.29
22 51 23		**Swimming Pool Equipment Controls** *(22 51)*		
22 51 23 00-0001		Pool Pump Variable Frequency Drive *(22 51 23)* Note: Pentair Acu Drive XS		
22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,596.94	239.66
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	4,936.22	269.63
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	5,912.77	337.03
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,289.49	402.19
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	6,733.05	468.10
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	7,631.19	534.76
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,602.73	239.66
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	4,853.28	269.63
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,233.76	337.03
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,629.77	402.19
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	6,638.53	468.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,374.63	534.76
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	5,935.67	239.66
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	6,824.71	269.63
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	7,587.14	337.03
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,181.84	402.19
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	9,632.34	468.10
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	10,860.33	534.76
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,373.55	239.66
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	6,628.34	269.63
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,002.65	337.03
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	7,400.59	402.19
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	8,446.01	468.10
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	9,241.90	534.76
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,374.80	239.66
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,447.52	239.66
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,492.45	239.66
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	4,613.49	239.66
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	4,796.34	239.66
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	4,938.18	239.66
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,287.11	269.63
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,304.12	337.03
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	6,744.67	402.19
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,201.82	468.10
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,182.71	534.76
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	10,746.65	666.57
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	11,863.13	733.97
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	14,030.14	801.38
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	16,324.41	936.20
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	17,881.91	1,003.60
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,465.42	239.66
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,559.35	239.66
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	4,677.52	239.66
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	4,779.10	239.66
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	4,882.61	239.66
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	4,991.85	239.66
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,250.69	269.63
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	5,635.20	337.03
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,040.88	402.19
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,340.98	468.10
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,094.15	534.76
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	8,923.11	666.57
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,092.33	733.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	11,393.50	801.38
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	13,961.56	936.20
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	15,338.20	1,003.60
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	17,198.46	1,071.00
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	20,374.05	1,134.67
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	23,494.12	1,198.32
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	25,483.42	1,340.62
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	29,747.74	1,467.95
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,313.56	239.66
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,386.28	239.66
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,431.21	239.66
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	6,552.26	239.66
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	6,735.11	239.66
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	6,876.94	239.66
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,225.87	269.63
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,023.40	337.03
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	8,688.12	402.19
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	10,177.48	468.10
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	11,501.88	534.76
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	13,540.11	666.57
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	14,906.75	733.97
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	19,041.18	801.38
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	25,105.26	936.20
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	27,590.94	1,003.60
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,286.05	239.66
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,379.96	239.66
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	6,498.15	239.66
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	6,599.73	239.66
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	6,703.22	239.66
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	6,812.48	239.66
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,071.32	269.63
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	7,453.86	337.03
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	7,859.54	402.19
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,199.13	468.10
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,013.40	534.76
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	10,972.46	666.57
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	12,366.08	733.97
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	14,642.90	801.38
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	16,849.41	936.20
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	18,758.26	1,003.60
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	21,781.42	1,071.00
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	28,721.28	1,134.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	31,772.50	1,198.32
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	39,915.08	1,340.62
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	46,899.50	1,467.95
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	430.71	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	687.30	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	760.60	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,292.12	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,465.11	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,537.92	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,607.82	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,754.38	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,881.31	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,202.69	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,268.32	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,408.06	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,531.06	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,025.94	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,037.42	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	3,966.19	199.73
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	3,969.99	199.73
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,040.18	224.69
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,194.33	280.86
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,537.24	335.16
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,049.87	390.08
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	5,951.33	445.62
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,197.54	557.97
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,411.84	613.52
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,644.55	668.45
		For Bypass Panel, Add	*1,297.47*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	3,944.65	199.73
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	3,949.72	199.73
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	3,973.79	199.73
		For Bypass Panel, Add	*903.22*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,060.45	224.69
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,412.18	280.86
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	4,919.75	335.16
		For Bypass Panel, Add	*1,066.15*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	5,828.83	390.08
		For Bypass Panel, Add	*1,297.47*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	5,963.99	445.62
		For Bypass Panel, Add	*1,297.47*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,283.02	557.97
		For Bypass Panel, Add	*1,761.86*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,518.23	613.52
		For Bypass Panel, Add	*2,426.37*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	547.06	93.62
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	547.06	93.62
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	578.27	62.41
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	648.94	28.08
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	670.38	31.21
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	686.76	34.33
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	717.07	37.45
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	730.90	40.57
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	953.73	43.69
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	994.17	46.80
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,038.41	49.93
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,081.39	53.05
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,119.29	56.17
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,538.44	59.29
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	197.94	31.21
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	211.79	34.33
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	237.02	37.45
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	311.65	40.57
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	349.57	43.69
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	362.14	46.80
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	374.71	49.93
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	397.43	53.05
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	502.45	56.17
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	516.29	59.29
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	199.20	31.21
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	219.39	34.33
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	240.82	37.45
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	253.39	40.57
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	264.70	43.69
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	331.74	46.80
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	345.58	49.93
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	363.23	53.05
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	375.79	56.17
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	452.96	59.29
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	493.41	62.41
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	80.77	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	109.88	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	136.45	

22 51 23 00-0176 Pool Flow Meters *(22 51 23)*

22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	141.59	21.15
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	141.59	21.15
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	220.15	39.65
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	183.88	42.29

22 51 23 00-0181 Paddlewheel Flow Sensors *(22 51 23)*

22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0)	968.91	72.09
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,284.29	72.09
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,284.29	72.09
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,333.69	72.09
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,386.89	72.09
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,487.58	72.09
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,487.58	72.09
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,550.28	72.09
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,611.08	72.09
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)	1,012.61	72.09
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,333.69	72.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,333.69	72.09
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,386.89	72.09
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,436.29	72.09
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2) Note: Includes 25' of cable (extendable to 200').	1,052.51	72.09
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	323.19	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	446.77	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	549.44	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	674.92	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	893.49	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	904.97	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	320.25	19.97
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	439.94	19.97
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	542.54	19.97
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	686.93	19.97
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	952.92	19.97

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2279 for PVC piping.

22 63 13 70 Healthcare Gas Piping *(22 63 13)*

22 63 13 70-0001 Zone Valve Assemblies *(22 63 13 70)*

22 63 13 70-0002 Single Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0003	EA	1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05)	470.94	83.95
22 63 13 70-0004	EA	3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07)	503.06	91.03
22 63 13 70-0005	EA	1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10)	535.20	96.85
22 63 13 70-0006	EA	1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12)	601.91	105.73
22 63 13 70-0007	EA	1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15)	689.26	112.18
22 63 13 70-0008	EA	2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20)	854.95	121.06

22 63 13 70-0009 Double Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0010	EA	1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	673.41	120.33
22 63 13 70-0011	EA	1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	705.52	127.41
22 63 13 70-0012	EA	1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	744.43	133.12
22 63 13 70-0013	EA	1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	822.39	142.11
22 63 13 70-0014	EA	1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	921.01	148.56
22 63 13 70-0015	EA	3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	735.38	134.49
22 63 13 70-0016	EA	3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	774.28	140.31
22 63 13 70-0017	EA	3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	854.50	149.19
22 63 13 70-0018	EA	3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	910.33	155.64
22 63 13 70-0019	EA	1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	804.17	146.02
22 63 13 70-0020	EA	1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	852.86	155.00
22 63 13 70-0021	EA	1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	944.72	161.45
22 63 13 70-0022	EA	1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	982.63	163.89
22 63 13 70-0023	EA	1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	1,020.44	170.44
22 63 13 70-0024	EA	1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	1,119.06	176.90

22 63 13 70-0025 Triple Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0026	EA	1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	916.42	156.59
22 63 13 70-0027	EA	1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	948.52	163.78
22 63 13 70-0028	EA	1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	987.43	169.49
22 63 13 70-0029	EA	1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,067.65	178.48
22 63 13 70-0030	EA	1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,168.52	184.93
22 63 13 70-0031	EA	1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	982.89	170.86
22 63 13 70-0032	EA	1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	1,021.79	176.57
22 63 13 70-0033	EA	1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,099.76	185.56
22 63 13 70-0034	EA	1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,200.62	192.01
22 63 13 70-0035	EA	1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	1,060.69	182.39
22 63 13 70-0036	EA	1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,138.65	191.37
22 63 13 70-0037	EA	1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,239.52	197.83
22 63 13 70-0038	EA	3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	1,015.00	177.95
22 63 13 70-0039	EA	3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	1,053.90	183.77
22 63 13 70-0040	EA	3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,131.87	192.64
22 63 13 70-0041	EA	3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,232.74	199.10
22 63 13 70-0042	EA	3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,092.79	189.48
22 63 13 70-0043	EA	3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,170.76	198.46
22 63 13 70-0044	EA	3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,269.39	204.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0045	EA	1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110)	1,073.14	195.29
22 63 13 70-0046	EA	1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,148.85	204.17
22 63 13 70-0047	EA	1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,310.53	210.73
22 63 13 70-0048		Medical Gas Copper Pipe And Fittings *(22 63 13 70)*		
22 63 13 70-0049		Medical Gas Copper Pipe, ASTM B819 *(22 63 13 70-0048)*		
22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	8.33	3.68
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	10.28	3.68
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	11.02	3.68
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	12.39	3.68
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	16.81	3.68
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	19.69	3.68
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	23.64	3.68
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	29.41	3.68
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	41.50	3.68
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	58.31	6.08
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	71.18	6.08
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	91.24	9.18
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	125.67	9.18
22 63 13 70-0063		Medical Gas Copper Fittings *(22 63 13 70-0048)*		
22 63 13 70-0064		Medical Gas Copper 90 Degree Elbows *(22 63 13 70-0063)*		
22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P049)	44.81	27.90
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P050)	46.41	29.16
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P079)	49.08	30.66
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P080)	54.17	32.26
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P081)	53.53	32.26
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P082)	64.94	38.34
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P055)	69.24	40.87
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P056)	83.60	47.07
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P057)	102.74	55.68
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P058)	184.72	94.27
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA3)	225.57	111.38
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA4)	339.12	136.18
22 63 13 70-0077		Medical Gas Copper Tees *(22 63 13 70-0063)*		
22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P095)	67.75	40.87
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P096)	70.57	43.74
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P098)	72.15	47.07
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R568)	89.46	51.09
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P103)	80.18	51.09
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P109)	103.16	61.31
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P113)	118.80	68.09
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P117)	137.67	76.59
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R499)	170.69	87.49
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMD9)	296.08	153.17
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VME5)	372.53	175.10
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG2)	591.68	245.02
22 63 13 70-0090		Medical Gas Copper Couplings *(22 63 13 70-0063)*		
22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R491)	37.57	24.46
22 63 13 70-0092	EA	3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R495)	39.38	25.49
22 63 13 70-0093	EA	1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R489)	40.69	26.63
22 63 13 70-0094	EA	5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R493)	44.49	27.90
22 63 13 70-0095	EA	3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R490)	45.22	29.16
22 63 13 70-0096	EA	1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R492)	54.29	33.98
22 63 13 70-0097	EA	1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R501)	60.32	36.05
22 63 13 70-0098	EA	1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R509)	69.07	40.87
22 63 13 70-0099	EA	2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R516)	82.98	47.07
22 63 13 70-0100	EA	2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R615)	151.33	81.63
22 63 13 70-0101	EA	3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R690)	184.73	94.27
22 63 13 70-0102	EA	4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R692)	244.46	114.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0103		Medical Gas Copper Caps *(22 63 13 70-0063)*		
22 63 13 70-0104	EA	1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R498)	24.06	15.28
22 63 13 70-0105	EA	3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R521)	24.67	15.28
22 63 13 70-0106	EA	1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P121)	23.59	15.28
22 63 13 70-0107	EA	5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R511)	26.29	16.07
22 63 13 70-0108	EA	3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P122)	25.25	16.07
22 63 13 70-0109	EA	1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P123)	31.78	19.17
22 63 13 70-0110	EA	1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P124)	36.05	21.13
22 63 13 70-0111	EA	1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P125)	41.60	23.54
22 63 13 70-0112	EA	2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P126)	53.29	27.90
22 63 13 70-0113	EA	2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG6)	81.38	30.66
22 63 13 70-0114	EA	3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG7)	98.48	33.98
22 63 13 70-0115	EA	4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG8)	141.51	38.34

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001		Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
22 66 53 00-0002		Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*		
22 66 53 00-0003		Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*		
22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	13.95	6.02
		For Schedule 80, Add	*2.53*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.17*	
		For Work In Restricted Working Space, Add	*2.72*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	16.81	6.77
		For Schedule 80, Add	*3.43*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.93*	
		For Work In Restricted Working Space, Add	*3.07*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	26.68	9.83
		For Schedule 80, Add	*6.18*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.29*	
		For Work In Restricted Working Space, Add	*4.44*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	36.10	12.79
		For Schedule 80, Add	*8.78*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.51*	
		For Work In Restricted Working Space, Add	*5.77*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	58.64	18.82
		For Schedule 80, Add	*15.83*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.55*	
		For Work In Restricted Working Space, Add	*8.46*	
22 66 53 00-0009		Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*		
22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	53.76	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	69.39	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	93.00	34.36
		For Work In Restricted Working Space, Add	*15.47*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	134.15	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	262.75	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0015		Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*		
22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	53.42	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	68.50	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	94.70	34.36
		For Work In Restricted Working Space, Add	*15.47*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	117.11	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	236.34	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0021		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	97.32	48.64
		For Work In Restricted Working Space, Add	*21.88*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	121.17	61.32
		For Work In Restricted Working Space, Add	*27.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	159.17	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	219.75	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	385.64	141.05
		For Work In Restricted Working Space, Add	*63.44*	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	121.13	61.32
		For Work In Restricted Working Space, Add	*27.58*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	155.09	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	151.46	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	210.44	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	213.95	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	359.72	141.05
		For Work In Restricted Working Space, Add	*63.44*	

22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug *(22 66 53 00-0002)*

22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	109.23	48.64
		For Work In Restricted Working Space, Add	*21.88*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	124.05	61.32
		For Work In Restricted Working Space, Add	*27.58*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	167.99	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	223.81	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	335.38	141.05
		For Work In Restricted Working Space, Add	*63.44*	

22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes *(22 66 53 00-0002)*

22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	104.01	48.64
		For Work In Restricted Working Space, Add	*21.88*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	127.37	61.32
		For Work In Restricted Working Space, Add	*27.58*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	162.86	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	222.81	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	441.56	141.05
		For Work In Restricted Working Space, Add	*63.44*	

22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*

22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	135.55	61.32
		For Work In Restricted Working Space, Add	*27.58*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	158.66	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	158.66	67.14
		For Work In Restricted Working Space, Add	*30.21*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	219.18	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	219.18	88.18
		For Work In Restricted Working Space, Add	*39.65*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	393.39	141.05
		For Work In Restricted Working Space, Add	*63.44*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	396.21	141.05
		For Work In Restricted Working Space, Add	*63.44*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	360.91	141.05
		For Work In Restricted Working Space, Add	*63.44*	

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	129.40	60.80
		For Work In Restricted Working Space, Add	*27.35*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	160.75	76.66
		For Work In Restricted Working Space, Add	*34.48*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	217.55	83.95
		For Work In Restricted Working Space, Add	*37.76*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	302.50	110.17
		For Work In Restricted Working Space, Add	*49.56*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	537.36	176.26
		For Work In Restricted Working Space, Add	*79.30*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0061		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*			
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		95.14	48.64
		For Work In Restricted Working Space, Add		*21.88*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		124.40	61.32
		For Work In Restricted Working Space, Add		*27.58*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		142.23	67.14
		For Work In Restricted Working Space, Add		*30.21*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		196.77	88.18
		For Work In Restricted Working Space, Add		*39.65*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		114.74	61.32
		For Work In Restricted Working Space, Add		*27.58*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		138.34	67.14
		For Work In Restricted Working Space, Add		*30.21*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		139.90	67.14
		For Work In Restricted Working Space, Add		*30.21*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		190.99	88.18
		For Work In Restricted Working Space, Add		*39.65*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend		191.98	88.18
		For Work In Restricted Working Space, Add		*39.65*	
22 66 53 00-0071		Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*			
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap		112.45	56.46
		For Work In Restricted Working Space, Add		*25.37*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap		149.64	74.23
		For Work In Restricted Working Space, Add		*33.39*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap		226.48	100.76
		For Work In Restricted Working Space, Add		*45.32*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap		318.99	128.26
		For Work In Restricted Working Space, Add		*57.67*	
22 66 53 00-0076		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*			
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter		52.83	22.73
		For Work In Restricted Working Space, Add		*10.23*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter		64.50	30.03
		For Work In Restricted Working Space, Add		*13.50*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter		75.72	34.36
		For Work In Restricted Working Space, Add		*15.47*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter		103.00	45.47
		For Work In Restricted Working Space, Add		*20.46*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter		152.80	67.14
		For Work In Restricted Working Space, Add		*30.21*	
22 66 53 00-0082		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*			
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter		50.48	22.73
		For Work In Restricted Working Space, Add		*10.23*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter		66.27	30.03
		For Work In Restricted Working Space, Add		*13.50*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter		78.98	34.36
		For Work In Restricted Working Space, Add		*15.47*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter		106.20	45.47
		For Work In Restricted Working Space, Add		*20.46*	
22 66 53 00-0087		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*			
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling		47.56	22.73
		For Work In Restricted Working Space, Add		*10.23*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling		61.03	30.03
		For Work In Restricted Working Space, Add		*13.50*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling		71.05	34.36
		For Work In Restricted Working Space, Add		*15.47*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling		93.95	45.47
		For Work In Restricted Working Space, Add		*20.46*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling		138.11	67.14
		For Work In Restricted Working Space, Add		*30.21*	
22 66 53 00-0093		Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*			
22 66 53 00-0094		Glass Acid Resistant DWV Pipe *(22 66 53 00-0093)*			
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe		40.07	5.81
		For Work In Restricted Working Space, Add		*3.49*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe		51.43	6.35
		For Work In Restricted Working Space, Add		*3.80*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe		71.01	8.89
		For Work In Restricted Working Space, Add		*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	119.81	11.53
		For Work In Restricted Working Space, Add	*6.92*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	204.91	15.76
		For Work In Restricted Working Space, Add	*9.44*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	112.22	25.90
		For Work In Restricted Working Space, Add	*15.51*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	131.26	27.49
		For Work In Restricted Working Space, Add	*16.46*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	188.21	31.19
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	283.36	41.23
		For Work In Restricted Working Space, Add	*24.74*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	726.46	57.09
		For Work In Restricted Working Space, Add	*34.26*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	112.44	26.01
		For Work In Restricted Working Space, Add	*15.58*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	130.83	27.17
		For Work In Restricted Working Space, Add	*16.33*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	188.00	31.09
		For Work In Restricted Working Space, Add	*18.65*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	283.37	41.23
		For Work In Restricted Working Space, Add	*24.74*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	726.44	57.09
		For Work In Restricted Working Space, Add	*34.25*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	114.09	26.01
		For Work In Restricted Working Space, Add	*15.58*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	132.81	27.17
		For Work In Restricted Working Space, Add	*16.33*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	191.47	31.09
		For Work In Restricted Working Space, Add	*18.65*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	283.37	41.23
		For Work In Restricted Working Space, Add	*24.74*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	114.09	26.01
		For Work In Restricted Working Space, Add	*15.58*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	132.81	27.17
		For Work In Restricted Working Space, Add	*16.33*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	191.47	31.09
		For Work In Restricted Working Space, Add	*18.65*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	283.37	41.23
		For Work In Restricted Working Space, Add	*24.74*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	137.68	26.01
		For Work In Restricted Working Space, Add	*15.58*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	166.71	27.17
		For Work In Restricted Working Space, Add	*16.33*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	186.01	38.91
		For Work In Restricted Working Space, Add	*23.36*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	244.25	40.29
		For Work In Restricted Working Space, Add	*24.17*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	223.54	40.81
		For Work In Restricted Working Space, Add	*24.50*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	313.18	46.62
		For Work In Restricted Working Space, Add	*27.98*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	534.90	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	831.36	85.64
		For Work In Restricted Working Space, Add	*51.39*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	175.79	39.12
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	178.96	40.71
		For Work In Restricted Working Space, Add	*24.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	238.55	46.52
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	384.78	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	870.68	85.64
		For Work In Restricted Working Space, Add	*51.38*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	177.90	40.18
		For Work In Restricted Working Space, Add	*24.11*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	216.40	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	231.90	44.93
		For Work In Restricted Working Space, Add	*26.96*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	303.51	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	320.61	54.99
		For Work In Restricted Working Space, Add	*32.99*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	338.17	56.57
		For Work In Restricted Working Space, Add	*33.94*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	632.59	70.84
		For Work In Restricted Working Space, Add	*42.51*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	687.02	72.42
		For Work In Restricted Working Space, Add	*43.46*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	700.40	77.71
		For Work In Restricted Working Space, Add	*46.63*	
22 66 53 00-0148		**Glass Acid Resistant DWV Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	253.26	51.81
		For Work In Restricted Working Space, Add	*31.09*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	258.52	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	344.67	62.38
		For Work In Restricted Working Space, Add	*37.43*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	586.38	82.47
		For Work In Restricted Working Space, Add	*49.48*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	1,087.86	114.19
		For Work In Restricted Working Space, Add	*68.52*	
22 66 53 00-0154		**Glass Acid Resistant DWV Reducing Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	256.41	53.39
		For Work In Restricted Working Space, Add	*32.03*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	301.85	57.09
		For Work In Restricted Working Space, Add	*34.26*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	321.66	58.15
		For Work In Restricted Working Space, Add	*34.89*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	490.27	67.14
		For Work In Restricted Working Space, Add	*40.29*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	482.84	68.73
		For Work In Restricted Working Space, Add	*41.23*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	519.88	72.42
		For Work In Restricted Working Space, Add	*43.46*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	703.69	84.58
		For Work In Restricted Working Space, Add	*50.74*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	769.85	88.29
		For Work In Restricted Working Space, Add	*52.97*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	874.04	98.34
		For Work In Restricted Working Space, Add	*58.99*	
22 66 53 00-0164		**Glass Acid Resistant DWV Tees** *(22 66 53 00-0093)*		
22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	198.95	39.12
		For Work In Restricted Working Space, Add	*23.48*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	202.11	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	267.32	46.52
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	429.90	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	924.77	85.64
		For Work In Restricted Working Space, Add	*51.39*	
22 66 53 00-0170		**Glass Acid Resistant DWV Reducing Tees** *(22 66 53 00-0093)*		
22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	201.04	40.18
		For Work In Restricted Working Space, Add	*24.10*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	240.54	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	246.13	44.93
		For Work In Restricted Working Space, Add	*26.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	308.81	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	318.12	54.99
		For Work In Restricted Working Space, Add	*32.99*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	392.42	56.57
		For Work In Restricted Working Space, Add	*33.95*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	786.20	72.42
		For Work In Restricted Working Space, Add	*43.45*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	816.44	77.71
		For Work In Restricted Working Space, Add	*46.62*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	238.63	39.12
		For Work In Restricted Working Space, Add	*23.48*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	269.40	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	352.14	46.52
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	623.19	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	924.77	85.64
		For Work In Restricted Working Space, Add	*51.39*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	180.76	39.12
		For Work In Restricted Working Space, Add	*23.48*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	183.92	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	258.39	46.52
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	406.92	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	855.50	85.64
		For Work In Restricted Working Space, Add	*51.39*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	182.85	40.18
		For Work In Restricted Working Space, Add	*24.10*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	226.65	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	233.07	44.93
		For Work In Restricted Working Space, Add	*26.96*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	323.36	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	326.38	54.99
		For Work In Restricted Working Space, Add	*32.99*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	357.70	56.57
		For Work In Restricted Working Space, Add	*33.95*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	611.07	70.84
		For Work In Restricted Working Space, Add	*42.50*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	717.42	72.42
		For Work In Restricted Working Space, Add	*43.45*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	780.72	77.71
		For Work In Restricted Working Space, Add	*46.62*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	303.18	51.81
		For Work In Restricted Working Space, Add	*31.08*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	308.48	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	422.19	62.38
		For Work In Restricted Working Space, Add	*37.42*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	665.56	82.47
		For Work In Restricted Working Space, Add	*49.47*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	1,130.64	114.19
		For Work In Restricted Working Space, Add	*68.54*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	306.33	53.39
		For Work In Restricted Working Space, Add	*32.03*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	313.75	57.09
		For Work In Restricted Working Space, Add	*34.25*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	370.09	58.15
		For Work In Restricted Working Space, Add	*34.89*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	459.21	67.14
		For Work In Restricted Working Space, Add	*40.29*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	486.82	68.73
		For Work In Restricted Working Space, Add	*41.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	580.52	72.42
		For Work In Restricted Working Space, Add	*43.45*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	923.80	84.58
		For Work In Restricted Working Space, Add	*50.74*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	970.05	88.29
		For Work In Restricted Working Space, Add	*52.97*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	1,033.30	98.34
		For Work In Restricted Working Space, Add	*59.00*	
22 66 53 00-0217		Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	206.94	39.12
		For Work In Restricted Working Space, Add	*23.48*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	211.20	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	274.60	46.52
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	415.35	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	831.85	85.64
		For Work In Restricted Working Space, Add	*51.39*	
22 66 53 00-0223		Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	210.13	40.18
		For Work In Restricted Working Space, Add	*24.10*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	230.78	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	249.60	44.93
		For Work In Restricted Working Space, Add	*26.96*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	313.44	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	328.53	54.99
		For Work In Restricted Working Space, Add	*32.99*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	360.18	56.57
		For Work In Restricted Working Space, Add	*33.95*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	612.55	70.84
		For Work In Restricted Working Space, Add	*42.50*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	703.04	72.42
		For Work In Restricted Working Space, Add	*43.45*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	714.59	77.71
		For Work In Restricted Working Space, Add	*46.62*	
22 66 53 00-0233		Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	278.38	51.81
		For Work In Restricted Working Space, Add	*31.08*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	329.31	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	453.61	62.38
		For Work In Restricted Working Space, Add	*37.42*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	738.64	82.47
		For Work In Restricted Working Space, Add	*49.47*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	1,247.29	114.19
		For Work In Restricted Working Space, Add	*68.54*	
22 66 53 00-0239		Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	285.33	53.39
		For Work In Restricted Working Space, Add	*32.03*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	372.28	57.09
		For Work In Restricted Working Space, Add	*34.25*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	364.80	58.15
		For Work In Restricted Working Space, Add	*34.89*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	499.88	67.14
		For Work In Restricted Working Space, Add	*40.29*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	493.27	68.73
		For Work In Restricted Working Space, Add	*41.24*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	557.53	72.42
		For Work In Restricted Working Space, Add	*43.45*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	817.26	84.58
		For Work In Restricted Working Space, Add	*50.74*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	872.49	88.29
		For Work In Restricted Working Space, Add	*52.97*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	1,021.73	98.34
		For Work In Restricted Working Space, Add	*59.00*	
22 66 53 00-0249		Glass Acid Resistant DWV Partition Crosses (Compact) *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	318.40	53.39
		For Work In Restricted Working Space, Add	*32.03*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Cross (Compact)	320.55	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	348.12	52.87
		For Work In Restricted Working Space, Add	*31.72*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	325.27	39.12
		For Work In Restricted Working Space, Add	*23.48*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	360.67	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	415.30	46.52
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	615.42	61.86
		For Work In Restricted Working Space, Add	*37.11*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	1,184.36	85.64
		For Work In Restricted Working Space, Add	*51.39*	
22 66 53 00-0259		**Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	326.37	40.18
		For Work In Restricted Working Space, Add	*24.10*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	374.46	43.88
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	400.56	44.93
		For Work In Restricted Working Space, Add	*26.96*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	462.25	54.45
		For Work In Restricted Working Space, Add	*32.67*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	491.89	54.99
		For Work In Restricted Working Space, Add	*32.99*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	544.04	56.57
		For Work In Restricted Working Space, Add	*33.95*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	792.98	72.42
		For Work In Restricted Working Space, Add	*43.45*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	908.04	77.71
		For Work In Restricted Working Space, Add	*46.62*	
22 66 53 00-0268		**Glass Acid Resistant DWV Reducers Or Increasers** *(22 66 53 00-0093)*		
22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	105.78	26.44
		For Eccentric Reducers Or Increasers, Add	*4.23*	
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	135.63	28.55
		For Eccentric Reducers Or Increasers, Add	*6.28*	
		For Work In Restricted Working Space, Add	*17.13*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	146.11	29.07
		For Eccentric Reducers Or Increasers, Add	*7.04*	
		For Work In Restricted Working Space, Add	*17.45*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	190.52	33.83
		For Eccentric Reducers Or Increasers, Add	*9.83*	
		For Work In Restricted Working Space, Add	*20.30*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	199.19	34.36
		For Eccentric Reducers Or Increasers, Add	*10.44*	
		For Work In Restricted Working Space, Add	*20.62*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	212.94	35.95
		For Eccentric Reducers Or Increasers, Add	*11.28*	
		For Work In Restricted Working Space, Add	*21.57*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	440.67	41.77
		For Eccentric Reducers Or Increasers, Add	*28.57*	
		For Work In Restricted Working Space, Add	*25.06*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	464.37	42.29
		For Eccentric Reducers Or Increasers, Add	*30.38*	
		For Work In Restricted Working Space, Add	*25.37*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	493.51	43.88
		For Eccentric Reducers Or Increasers, Add	*32.46*	
		For Work In Restricted Working Space, Add	*26.33*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	515.82	49.16
		For Eccentric Reducers Or Increasers, Add	*33.40*	
		For Work In Restricted Working Space, Add	*29.50*	
22 66 53 00-0279		**Glass Acid Resistant DWV Swivel P-Traps** *(22 66 53 00-0093)*		
22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	264.42	39.12
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	284.22	40.18
		For Work In Restricted Working Space, Add	*24.11*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	322.48	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	288.56	39.12
		For Work In Restricted Working Space, Add	*23.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	314.97	40.18
		For Work In Restricted Working Space, Add	*24.11*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	357.20	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	295.17	39.12
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	314.97	40.18
		For Work In Restricted Working Space, Add	*24.11*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	357.20	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0289		**Glass Acid Resistant DWV Drum P-Traps** *(22 66 53 00-0093)*		
22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	370.23	39.12
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	472.21	40.18
		For Work In Restricted Working Space, Add	*24.11*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	486.50	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	410.41	39.12
		For Work In Restricted Working Space, Add	*23.47*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	436.00	40.18
		For Work In Restricted Working Space, Add	*24.11*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	494.27	40.71
		For Work In Restricted Working Space, Add	*24.42*	
22 66 53 00-0296		**Glass Acid Resistant DWV Cleanout Plugs** *(22 66 53 00-0093)*		
22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	51.08	13.22
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	58.57	13.74
		For Work In Restricted Working Space, Add	*8.25*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	75.15	15.33
		For Work In Restricted Working Space, Add	*9.20*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	121.26	20.62
		For Work In Restricted Working Space, Add	*12.37*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	173.99	28.55
		For Work In Restricted Working Space, Add	*17.13*	
22 66 53 00-0302		**Glass Acid Resistant DWV Sink Fittings** *(22 66 53 00-0093)*		
22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	809.79	51.81
		For Work In Restricted Working Space, Add	*31.08*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	72.24	13.22
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	81.00	13.22
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	107.10	26.44
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	236.04	27.49
		For Work In Restricted Working Space, Add	*16.50*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	239.35	27.49
		For Work In Restricted Working Space, Add	*16.50*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	272.41	27.49
		For Work In Restricted Working Space, Add	*16.50*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	218.18	27.49
		For Work In Restricted Working Space, Add	*16.50*	
22 66 53 00-0311		**Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters** *(22 66 53 00-0093)*		
		Note: Includes teflon spacer.		
22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	200.70	39.02
		For Work In Restricted Working Space, Add	*23.41*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	209.31	40.92
		For Work In Restricted Working Space, Add	*24.55*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	296.64	46.62
		For Work In Restricted Working Space, Add	*27.98*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	426.55	61.96
		For Work In Restricted Working Space, Add	*37.14*	
22 66 53 00-0316		**Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)*		
		Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	41.50	
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	52.36	
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	70.00	
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	117.94	
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	274.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0322		**Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)* Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	53.52	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	66.96	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	113.70	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	169.48	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	413.23	
22 66 53 00-0328		**Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)* Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0328)*		
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	134.06	9.41
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	189.41	11.74
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	258.91	13.53
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	427.54	19.65
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	757.69	26.18
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,345.78	33.02
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,405.95	44.48
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	4,297.58	50.99
22 66 53 00-0338		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0328)*		
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	515.01	80.14
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	681.34	88.18
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,125.00	105.52
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,696.85	129.77
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,934.08	210.40
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	283.54	80.14
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	377.25	88.18
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	475.98	105.52
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,338.30	129.77
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,070.38	210.40
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,688.17	262.14
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	6,915.27	315.24
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	283.54	80.14
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	377.25	88.18
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	475.98	105.52
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	966.14	129.77
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,589.29	210.40
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,803.83	262.14
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	5,418.21	315.24
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	283.54	80.14
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	377.25	88.18
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	475.73	105.42
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	401.54	80.14
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	735.80	88.18
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	820.91	105.52
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	397.67	119.91
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	507.89	132.91
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	719.06	158.70
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,245.50	195.02
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,927.47	315.87
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	5,599.50	394.43

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*			
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		372.05	114.93
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		439.19	123.39
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		495.57	127.72
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		570.02	141.05
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		613.06	145.48
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		678.41	149.83
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		866.50	168.76
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		967.58	173.11
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee		1,088.42	181.06
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*			
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee		461.15	119.91
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee		561.84	132.59
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee		778.02	158.70
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*			
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee		435.55	114.93
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee		550.93	128.36
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee		668.14	145.91
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee		719.92	150.25
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*			
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye		393.35	120.12
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye		557.82	132.91
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye		718.87	158.60
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye		1,253.45	194.30
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye		4,952.71	315.56
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*			
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		408.32	114.93
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		439.14	123.39
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		464.92	128.47
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		520.09	141.05
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		540.69	145.70
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		660.91	150.25
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		915.97	168.96
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		1,099.20	173.11
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		1,147.42	181.06
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		2,882.46	254.57
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		3,117.45	262.98
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye		3,831.95	276.44
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*			
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		479.25	119.91
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		575.45	132.59
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		868.79	158.70
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend		1,371.82	194.51
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*			
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		390.16	114.93
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		457.30	123.39
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		510.08	128.36
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		551.86	141.05
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		645.45	145.91
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		738.01	150.14
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		974.90	168.96
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		1,230.89	173.21
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend		1,352.10	181.37
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*			
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer		240.24	75.50
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer		264.71	79.72
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer		298.30	83.95
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer		498.11	93.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	522.62	97.38
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	570.84	108.27
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	751.16	116.54
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,094.35	157.83
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,164.34	171.19
22 66 53 00-0439		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	654.65	176.26
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	890.65	176.26
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	911.83	176.26
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,020.01	241.45
22 66 53 00-0444		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	782.78	80.14
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	949.11	88.18
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,156.77	105.52
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,503.21	129.77
22 66 53 00-0449		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	369.77	80.14
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	472.56	88.18
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	657.52	105.52
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	856.46	129.77
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,696.62	181.06
22 66 53 00-0455		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	7.77	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	83.21	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	106.57	7.08
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	121.36	7.83
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	167.84	9.83
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	212.22	11.41
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0458)*		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	379.21	56.14
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	408.32	63.44
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	567.83	70.00
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	685.14	84.58
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	202.20	56.14
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	243.95	62.80
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	318.57	70.21
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	420.94	83.95
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	238.71	59.32
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	202.20	56.14
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	243.95	62.80
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	318.57	70.21
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	420.94	83.95
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	243.05	56.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	307.49	62.80
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	486.50	70.21
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	543.48	83.95
22 66 53 00-0486		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	233.97	56.14
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	280.26	62.80
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	445.65	70.21
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	502.63	83.95
22 66 53 00-0491		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	353.60	84.48
22 66 53 00-0493		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	280.98	84.48
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	351.43	95.16
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	472.15	106.05
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	730.40	126.99
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	327.92	91.57
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	406.70	98.76
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	434.63	102.24
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	464.10	112.81
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	514.32	115.99
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	560.45	119.48
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	281.39	84.80
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	333.28	95.16
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	454.00	106.05
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	730.40	126.99
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	315.02	92.09
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	393.06	98.65
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	412.40	102.56
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	464.60	113.14
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	515.28	116.62
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	547.28	119.79
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	428.00	112.92
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	553.56	127.09
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	719.12	140.63
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	943.34	169.07
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	474.35	119.58
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	534.82	126.67
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	645.23	133.65
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	712.04	148.02
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	868.52	155.54
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	482.40	112.92
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	571.46	126.88
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	838.32	141.36
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,184.16	169.28
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	519.67	119.58
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	693.63	126.67
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	731.38	133.65
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	780.06	147.92
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,008.39	154.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	316.86	84.16
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	369.59	95.16
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	454.00	106.05
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	780.33	126.99
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	350.69	91.67
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	393.48	98.97
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	430.55	102.56
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	596.22	113.14
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	610.59	116.62
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	687.97	119.79
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	513.93	112.71
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	653.06	126.78
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	960.10	140.94
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,152.93	169.59
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	560.52	119.58
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	679.99	126.56
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	708.69	133.65
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	789.13	147.92
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	1,008.39	154.90
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	239.60	59.95
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	272.12	63.44
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	319.74	74.02
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	386.81	70.31
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	410.24	73.80
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	433.66	77.29
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	223.78	49.37
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	260.72	55.83
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	308.04	63.23
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	578.38	76.98
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	96.56	28.13
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	115.17	31.40
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	125.25	35.10
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	162.81	41.98
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	424.10	55.83
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	434.57	62.80
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	540.96	70.21
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	693.25	83.95
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	598.28	60.05
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	831.26	67.03
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,009.57	74.02
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,257.72	88.18

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*			
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap		808.11	63.76
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap		1,290.31	70.52
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap		844.03	63.44
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap		1,290.31	70.52
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*			
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap		748.72	63.44
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap		881.84	70.52
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap		871.26	63.44
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap		1,948.41	70.52
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap		1,145.08	70.52
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*			
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend		297.89	56.46
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend		394.71	63.44
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*			
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter		145.14	42.29
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter		282.04	45.89
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter		197.31	52.87
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*			
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		280.88	60.16
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		308.42	63.44
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		345.47	66.93
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		369.39	73.80
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		345.52	67.03
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		364.38	70.52
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		392.81	77.29
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter		451.41	74.02
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter		558.80	88.18
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*			
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting		108.93	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting		127.08	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting		136.16	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting		149.77	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*			
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet		791.16	28.23
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper		298.00	14.06
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow		561.24	14.06
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*			
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer		2,816.62	141.05
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer		3,489.82	148.13
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain		2,390.28	14.06
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*			
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)*			
		Note: Excludes fittings or hangers.			
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe		18.12	4.44
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe		23.47	5.29
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe		39.45	7.62
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe		52.16	8.25
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe		87.41	10.34
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe		203.53	13.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0635		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0627)*		
22 66 53 00-0636		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.125	70.50	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.16	88.56	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.215	138.42	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.25	200.74	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.325	451.40	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.438	625.89	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 66 53 00-0643		**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	72.02	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	95.96	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	151.78	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	205.64	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0648		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	69.73	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	86.56	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	142.25	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	162.55	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	389.07	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	554.41	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 66 53 00-0655		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	70.59	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	86.49	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	140.66	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	174.99	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	312.91	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	344.29	61.65
		For Work In Restricted Working Space, Add	*27.75*	
22 66 53 00-0662		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	429.39	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	333.28	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	201.30	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0666		**Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	94.38	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	116.31	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	199.39	45.47
		For Work In Restricted Working Space, Add	*20.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	275.82	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	758.13	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	1,051.55	92.41
		For Work In Restricted Working Space, Add	*41.63*	

22 66 53 00-0673 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	108.78	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	115.45	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	112.48	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	172.56	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	184.81	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	245.38	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	259.05	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	553.85	63.34
		For Work In Restricted Working Space, Add	*28.55*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	1,315.09	79.19
		For Work In Restricted Working Space, Add	*35.69*	

22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	135.33	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	164.91	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	220.97	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	279.28	70.42
		For Work In Restricted Working Space, Add	*31.72*	

22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	168.88	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	201.73	47.89
		For Work In Restricted Working Space, Add	*21.57*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	262.06	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	227.74	57.73
		For Work In Restricted Working Space, Add	*26.01*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	254.06	65.45
		For Work In Restricted Working Space, Add	*29.50*	

22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers *(22 66 53 00-0635)*

22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	97.48	20.09
		For Work In Restricted Working Space, Add	*9.04*	
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	107.05	23.90
		For Work In Restricted Working Space, Add	*10.79*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	181.87	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	199.63	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	219.68	32.78
		For Work In Restricted Working Space, Add	*14.75*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	301.61	38.06
		For Work In Restricted Working Space, Add	*17.13*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	349.15	40.50
		For Work In Restricted Working Space, Add	*18.24*	

22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings *(22 66 53 00-0635)*

22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	66.83	20.09
		For Work In Restricted Working Space, Add	*9.04*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	74.73	23.90
		For Work In Restricted Working Space, Add	*10.79*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	81.94	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	137.20	28.86
		For Work In Restricted Working Space, Add	*13.01*	

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22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	145.19	32.78
		For Work In Restricted Working Space, Add	*14.75*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	233.25	38.06
		For Work In Restricted Working Space, Add	*17.13*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	228.80	40.50
		For Work In Restricted Working Space, Add	*18.24*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	683.36	48.43
		For Work In Restricted Working Space, Add	*21.83*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	717.71	53.72
		For Work In Restricted Working Space, Add	*24.20*	

22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0635)*

22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	125.57	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	170.63	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	285.80	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	466.09	52.87
		For Work In Restricted Working Space, Add	*23.79*	

22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0635)*

22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	95.44	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	129.01	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	207.69	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	282.62	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	619.24	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	700.59	92.41
		For Work In Restricted Working Space, Add	*41.63*	

22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0635)*

22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	104.34	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	125.31	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	178.79	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	192.40	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	195.16	43.98
		For Work In Restricted Working Space, Add	*19.83*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	256.93	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	270.77	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	430.34	63.34
		For Work In Restricted Working Space, Add	*28.55*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	509.39	79.19
		For Work In Restricted Working Space, Add	*35.69*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	561.41	84.48
		For Work In Restricted Working Space, Add	*38.06*	

22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	157.55	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	178.34	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	290.99	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	562.11	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	931.10	91.57
		For Work In Restricted Working Space, Add	*41.24*	

22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	226.32	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	283.63	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	502.62	65.45
		For Work In Restricted Working Space, Add	*29.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	753.35	80.99
		For Work In Restricted Working Space, Add	*36.48*	

22 66 53 00-0746 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	112.49	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	147.94	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	223.35	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	299.68	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	698.75	68.62
		For Work In Restricted Working Space, Add	*30.93*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	1,234.77	92.41
		For Work In Restricted Working Space, Add	*41.63*	

22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	103.94	28.86
		For Work In Restricted Working Space, Add	*13.01*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	134.56	31.30
		For Work In Restricted Working Space, Add	*14.12*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	187.75	39.12
		For Work In Restricted Working Space, Add	*17.60*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	202.19	41.56
		For Work In Restricted Working Space, Add	*18.71*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	263.39	46.52
		For Work In Restricted Working Space, Add	*20.94*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	278.72	50.33
		For Work In Restricted Working Space, Add	*22.68*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	542.33	60.90
		For Work In Restricted Working Space, Add	*27.44*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	563.39	63.34
		For Work In Restricted Working Space, Add	*28.55*	

22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	171.14	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	259.81	45.04
		For Work In Restricted Working Space, Add	*20.30*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	421.16	60.59
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	731.50	70.42
		For Work In Restricted Working Space, Add	*31.72*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	1,009.41	91.57
		For Work In Restricted Working Space, Add	*41.24*	

22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	226.34	40.18
		For Work In Restricted Working Space, Add	*18.08*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	356.14	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	433.38	57.73
		For Work In Restricted Working Space, Add	*26.01*	
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	445.02	65.45
		For Work In Restricted Working Space, Add	*29.50*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	566.98	76.02
		For Work In Restricted Working Space, Add	*34.26*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	638.31	80.99
		For Work In Restricted Working Space, Add	*36.48*	

22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug *(22 66 53 00-0635)*

22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	104.83	26.44
		For Work In Restricted Working Space, Add	*11.90*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	122.75	33.83
		For Work In Restricted Working Space, Add	*15.23*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	219.16	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	284.90	52.87
		For Work In Restricted Working Space, Add	*23.79*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	658.35	68.62
		For Work In Restricted Working Space, Add	*30.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	23.07	8.77
		For Work In Restricted Working Space, Add	*3.97*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	27.69	11.20
		For Work In Restricted Working Space, Add	*5.07*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	41.56	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	47.55	17.55
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	83.61	22.84
		For Work In Restricted Working Space, Add	*10.31*	

22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug *(22 66 53 00-0635)*

22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	54.94	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	67.43	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	107.47	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	159.52	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	253.22	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	459.77	61.65
		For Work In Restricted Working Space, Add	*27.79*	

22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0635)*

22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	60.86	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	76.79	22.52
		For Work In Restricted Working Space, Add	*10.15*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	100.44	30.24
		For Work In Restricted Working Space, Add	*13.64*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	131.08	35.21
		For Work In Restricted Working Space, Add	*15.86*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	192.70	45.78
		For Work In Restricted Working Space, Add	*20.62*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	426.94	61.65
		For Work In Restricted Working Space, Add	*27.79*	

22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0635)*

22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	40.30	8.77
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	53.79	11.31
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	83.59	15.12
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	143.43	17.66
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	230.34	22.84

22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0635)*

22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	45.64	8.77
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	65.57	11.31
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	76.01	15.12
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	137.53	17.66
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	184.31	22.84

22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0635)*

22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	39.98	8.77
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	48.94	11.31
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	78.08	15.12
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	139.27	17.66
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	177.35	22.84
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	282.10	30.88

22 66 83 Chemical-Waste Tanks *(22 66)*

22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	559.35	215.29
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,025.84	298.53
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,268.43	430.57
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,625.78	574.09
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,093.92	688.91
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,874.94	861.14
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,307.21	1,076.43
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,308.99	1,291.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	4,880.36	1,550.05
22 66 83 16-0012		Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	940.54	215.29
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,629.41	298.53
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,632.56	430.57
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,468.80	574.09
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,394.34	688.91
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	4,930.69	861.14
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,353.89	1,076.43
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	7,882.76	1,291.71
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,501.76	1,550.05
22 66 83 16-0022		Chemical Dilution Trap *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	516.20	71.77
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	533.17	71.77
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	550.13	71.77
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	601.29	86.11

22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

22 67 13 53 Laboratory Water Piping *(22 67 13)*

22 67 13 53-0001		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*		
22 67 13 53-0002		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*		
22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	7.26	3.06
		For Work In Restricted Working Space, Add	*1.36*	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	9.13	3.81
		For Work In Restricted Working Space, Add	*1.70*	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	11.03	4.02
		For Work In Restricted Working Space, Add	*1.81*	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	15.81	4.44
		For Work In Restricted Working Space, Add	*1.98*	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	20.69	5.29
		For Work In Restricted Working Space, Add	*2.38*	
22 67 13 53-0008		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*		
22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	27.37	11.31
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	34.73	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	42.14	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	67.01	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	83.63	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0014		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*		
22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	27.37	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	34.73	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	42.14	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	67.26	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	83.63	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0020		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*		
22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	40.19	18.82
		For Work In Restricted Working Space, Add	*8.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	48.05	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	61.02	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	97.48	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	124.16	56.46
		For Work In Restricted Working Space, Add	*25.37*	

22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*

22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	71.85	21.15
		For Work In Restricted Working Space, Add	*9.51*	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	84.38	24.63
		For Work In Restricted Working Space, Add	*11.10*	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	89.52	26.75
		For Work In Restricted Working Space, Add	*12.05*	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	116.47	38.06
		For Work In Restricted Working Space, Add	*17.13*	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	144.98	50.75
		For Work In Restricted Working Space, Add	*22.84*	

22 67 13 53-0032 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts *(22 67 13 53-0001)*

22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	35.28	13.43
		For Work In Restricted Working Space, Add	*6.03*	
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	41.66	15.54
		For Work In Restricted Working Space, Add	*6.98*	
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	47.33	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	61.82	21.15
		For Work In Restricted Working Space, Add	*9.52*	
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	66.40	23.26
		For Work In Restricted Working Space, Add	*10.47*	
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	69.34	24.63
		For Work In Restricted Working Space, Add	*11.10*	
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	101.98	34.58
		For Work In Restricted Working Space, Add	*15.54*	

22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	30.30	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	38.77	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	46.60	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	70.08	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	91.11	38.06
		For Work In Restricted Working Space, Add	*17.13*	

22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	30.30	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	38.77	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	46.60	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	70.08	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	90.60	38.17
		For Work In Restricted Working Space, Add	*17.15*	

22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings *(22 67 13 53-0001)*

22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	23.47	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	31.52	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	39.63	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	62.55	30.03
		For Work In Restricted Working Space, Add	*13.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	81.68	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0058		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions** *(22 67 13 53-0001)*		
22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	72.10	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	80.80	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	97.11	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	162.70	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	220.04	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 67 13 53-0064		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps** *(22 67 13 53-0001)*		
22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	26.22	11.58
		For Work In Restricted Working Space, Add	*5.19*	
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	33.05	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	39.63	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	62.83	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	81.68	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0070		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flanges** *(22 67 13 53-0001)*		
22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange	44.92	19.03
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange	52.92	22.52
		For Work In Restricted Working Space, Add	*10.23*	
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange	66.95	30.34
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange	101.38	45.89
		For Work In Restricted Working Space, Add	*20.46*	
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange	123.04	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 67 13 53-0076		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings** *(22 67 13 53)*		
22 67 13 53-0077		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe** *(22 67 13 53-0076)*		
22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	13.76	3.06
		For Work In Restricted Working Space, Add	*1.36*	
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	17.59	3.81
		For Work In Restricted Working Space, Add	*1.70*	
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	22.79	4.02
		For Work In Restricted Working Space, Add	*1.81*	
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	28.76	4.44
		For Work In Restricted Working Space, Add	*1.98*	
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	39.34	5.29
		For Work In Restricted Working Space, Add	*2.38*	
22 67 13 53-0083		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows** *(22 67 13 53-0076)*		
22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	47.83	11.31
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	61.39	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	76.51	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	110.48	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	145.90	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0089		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows** *(22 67 13 53-0076)*		
22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	47.48	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	61.57	15.12
		For Work In Restricted Working Space, Add	*6.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	76.69	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	112.98	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	145.90	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0095		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees** *(22 67 13 53-0076)*		
22 67 13 53-0096	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	64.88	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0097	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	77.41	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 67 13 53-0098	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	95.98	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0099	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	144.79	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 67 13 53-0100	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	186.21	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 67 13 53-0101		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees** *(22 67 13 53-0076)*		
22 67 13 53-0102	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	76.80	21.15
		For Work In Restricted Working Space, Add	*9.51*	
22 67 13 53-0103	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	94.97	24.63
		For Work In Restricted Working Space, Add	*11.10*	
22 67 13 53-0104	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	98.15	26.75
		For Work In Restricted Working Space, Add	*12.05*	
22 67 13 53-0105	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	140.48	38.06
		For Work In Restricted Working Space, Add	*17.13*	
22 67 13 53-0106	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	180.80	50.75
		For Work In Restricted Working Space, Add	*22.84*	
22 67 13 53-0107		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts** *(22 67 13 53-0076)*		
22 67 13 53-0108	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	54.98	13.43
		For Work In Restricted Working Space, Add	*6.03*	
22 67 13 53-0109	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	62.27	15.54
		For Work In Restricted Working Space, Add	*6.98*	
22 67 13 53-0110	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	65.44	17.66
		For Work In Restricted Working Space, Add	*7.93*	
22 67 13 53-0111	EA	1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	85.76	21.15
		For Work In Restricted Working Space, Add	*9.52*	
22 67 13 53-0112	EA	1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	88.94	23.26
		For Work In Restricted Working Space, Add	*10.47*	
22 67 13 53-0113	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	91.05	24.63
		For Work In Restricted Working Space, Add	*11.10*	
22 67 13 53-0114	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	126.96	34.58
		For Work In Restricted Working Space, Add	*15.54*	
22 67 13 53-0115		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters** *(22 67 13 53-0076)*		
22 67 13 53-0116	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	47.83	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0117	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	60.31	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0118	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	70.96	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0119	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	96.88	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0120	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	137.97	38.06
		For Work In Restricted Working Space, Add	*17.13*	
22 67 13 53-0121		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters** *(22 67 13 53-0076)*		
22 67 13 53-0122	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	47.83	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0123	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	60.31	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0124	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	70.96	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0125	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	96.88	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0126	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	138.02	38.17
		For Work In Restricted Working Space, Add	*17.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0127		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings** *(22 67 13 53-0076)*		
22 67 13 53-0128	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	44.79	11.41
		For Work In Restricted Working Space, Add	*5.12*	
22 67 13 53-0129	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	56.74	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0130	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	67.03	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0131	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	96.16	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0132	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	124.07	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0133		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions** *(22 67 13 53-0076)*		
22 67 13 53-0134	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	151.66	
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0135	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	175.46	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 67 13 53-0136	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	212.10	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0137	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	349.12	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 67 13 53-0138	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	454.95	56.46
		For Work In Restricted Working Space, Add	*25.37*	
22 67 13 53-0139		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps** *(22 67 13 53-0076)*		
22 67 13 53-0140	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	45.03	11.58
		For Work In Restricted Working Space, Add	*5.19*	
22 67 13 53-0141	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	56.74	15.12
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0142	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	66.85	18.82
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0143	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	96.52	30.03
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	124.07	38.17
		For Work In Restricted Working Space, Add	*17.15*	
22 67 13 53-0145		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flanges** *(22 67 13 53-0076)*		
22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange	87.60	19.03
		For Work In Restricted Working Space, Add	*8.46*	
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange	100.67	22.52
		For Work In Restricted Working Space, Add	*10.23*	
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange	121.21	30.34
		For Work In Restricted Working Space, Add	*13.50*	
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange	174.13	45.89
		For Work In Restricted Working Space, Add	*20.46*	
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange	216.98	56.46
		For Work In Restricted Working Space, Add	*25.37*	

END OF SECTION 22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Professional Certification For Hospital *(23 01 10 91)*

23 01 10 91-0002	HR	Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum		185.87

23 01 10 91-0003 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems		530.49
23 01 10 91-0005	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems		757.86
23 01 10 91-0006	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems		796.17
23 01 10 91-0007	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems		878.64
23 01 10 91-0008	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems		1,591.56
23 01 10 91-0009	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems		713.80
23 01 10 91-0010	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems		1,026.51
23 01 10 91-0011	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems		1,088.65
23 01 10 91-0012	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems		1,433.04
23 01 10 91-0013	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems		2,221.96
23 01 10 91-0014	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems		849.85
23 01 10 91-0015	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems		1,256.04
23 01 10 91-0016	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems		2,890.64
23 01 10 91-0017	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems		4,526.14
23 01 10 91-0018	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems		8,512.01

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).		28.70
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).		34.45
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).		40.19
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).		45.93
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).		57.41
23 01 20 91-0007	EA	Lock Out Padlock		11.48
23 01 20 91-0008	EA	Lock Out Tags		4.94

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit		366.95

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.		682.52
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.		356.35
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.		825.79
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.		410.90
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.		1,138.23
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.		465.61
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.		1,298.41
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.		548.89
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.		1,904.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	633.33	
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,933.85	
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	836.08	
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,233.31	
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,232.23	
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,222.44	
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,683.46	
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,299.96	
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,189.28	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.94	
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 2000, Deduct	*-0.36*	
		For >2000, Deduct	*-0.52*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.69	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 2000, Deduct	*-0.48*	
		For >2000, Deduct	*-0.70*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.16	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 2000, Deduct	*-0.72*	
		For >2000, Deduct	*-1.04*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.80	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 2000, Deduct	*-0.96*	
		For >2000, Deduct	*-1.39*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	7.20	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 2000, Deduct	*-1.15*	
		For >2000, Deduct	*-1.66*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	9.14	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 2000, Deduct	*-1.44*	
		For >2000, Deduct	*-2.08*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	11.99	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 2000, Deduct	*-1.91*	
		For >2000, Deduct	*-2.78*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	14.39	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 2000, Deduct	*-2.30*	
		For >2000, Deduct	*-3.33*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	241.47	

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	181.49	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	226.86	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	323.80	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	388.01	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	485.02	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	630.53	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.31	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	377.95	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	539.78	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	646.76	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	808.45	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,050.99	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.52	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	529.12	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	755.70	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	905.47	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,131.83	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,471.39	
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.74	
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	727.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,039.09	
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,103.13	
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,378.91	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,792.58	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	0.90	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	982.19	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,402.76	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,489.23	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	1,861.52	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,419.99	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.21	
23 01 20 91-0073		Special Cleaning Of Piping Systems *(23 01 20 91)*		
23 01 20 91-0074		Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*		
23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.50	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 2000, Deduct	*-0.41*	
		For >2000, Deduct	*-0.59*	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.21	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 2000, Deduct	*-0.66*	
		For >2000, Deduct	*-0.96*	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.91	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 2000, Deduct	*-0.91*	
		For >2000, Deduct	*-1.32*	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.67	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 2000, Deduct	*-1.17*	
		For >2000, Deduct	*-1.70*	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	10.62	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 2000, Deduct	*-1.64*	
		For >2000, Deduct	*-2.38*	
23 01 20 91-0080		Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*		
23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.74	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 2000, Deduct	*-0.41*	
		For >2000, Deduct	*-0.59*	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.51	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 2000, Deduct	*-0.66*	
		For >2000, Deduct	*-0.96*	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.33	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 2000, Deduct	*-0.91*	
		For >2000, Deduct	*-1.32*	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	8.31	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 2000, Deduct	*-1.17*	
		For >2000, Deduct	*-1.70*	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	11.46	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 2000, Deduct	*-1.64*	
		For >2000, Deduct	*-2.38*	
23 01 20 91-0086		Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*		
23 01 20 91-0087	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	2.81	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 2000, Deduct	*-0.41*	
		For >2000, Deduct	*-0.59*	
23 01 20 91-0088	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.63	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 2000, Deduct	*-0.66*	
		For >2000, Deduct	*-0.96*	
23 01 20 91-0089	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	6.51	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 2000, Deduct	*-0.91*	
		For >2000, Deduct	*-1.32*	
23 01 20 91-0090	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	8.55	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 2000, Deduct	*-1.17*	
		For >2000, Deduct	*-1.70*	
23 01 20 91-0091	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	11.79	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 2000, Deduct	*-1.64*	
		For >2000, Deduct	*-2.38*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0092		Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*		
23 01 20 91-0093	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	390.14	
23 01 20 91-0094	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	491.60	
23 01 20 91-0095	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	682.88	
23 01 20 91-0096	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,048.24	
23 01 20 91-0097	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,295.35	
23 01 20 91-0098	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,960.76	
23 01 30		**Operation and Maintenance of HVAC Air Distribution** *(23 01)*		
23 01 30 51		**HVAC Air-Distribution System Cleaning** *(23 01 30)*		
23 01 30 51-0001		Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*		
23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.78	
		For Exhaust Ductwork, Add	*0.95*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.75	
		For Exhaust Ductwork, Add	*1.19*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	6.37	
		For Exhaust Ductwork, Add	*1.59*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	9.03	
		For Exhaust Ductwork, Add	*2.26*	
23 01 30 51-0006	SF	Clean Duct Dampers	12.73	
23 01 30 51-0007	SF	Clean Duct Fire Dampers	25.45	
23 01 30 51-0008	SF	Clean Louver	10.19	
23 01 30 51-0009	EA	Clean Turning Vane Set	30.55	
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	30.55	
23 01 30 51-0011	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	7.64	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	105.83	
		For Stainless Steel, Add	*74.44*	
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	91.64	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	122.20	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU)	122.20	
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit	122.20	
23 01 30 51-0017	EA	Clean Supply Or Return Fan	244.39	
23 01 30 51-0018	EA	Clean Exhaust Fan	213.85	
23 01 30 51-0019	EA	Clean Duct Coil	183.30	
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	6.11	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan	244.39	
23 01 30 51-0022	EA	Clean Air Handling Unit Coil	366.60	
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.36	
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	3.97	
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.73	
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	883.37	
23 01 30 51-0027	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.55	
23 01 30 61		**HVAC Air-Distribution Duct Repair** *(23 01 30)*		
23 01 30 61-0001		Repair And Seal Ductwork *(23 01 30 61)* Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.29	
23 01 30 61-0008		Temporary Duct Seal To Restrict Airflow *(23 01 30 61)* Note: Includes inserting temporary seal in duct at access door, filling with air and removal after use. Excludes installing new acess door in ductwork or reworking ductwork. See CSI section 23 01 30 61-0022 for rework ductwork, 23 33 33 00-0000 for access doors.		
23 01 30 61-0004	EA	4" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	32.60	
23 01 30 61-0005	EA	6" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	35.87	
23 01 30 61-0006	EA	8" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	40.75	
23 01 30 61-0007	EA	10" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	44.60	
23 01 30 61-0008	EA	12" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	48.99	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 61-0009	EA	16" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	54.68	
23 01 30 61-0010	EA	20" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	60.57	
23 01 30 61-0011	EA	24" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	66.09	
23 01 30 61-0012	EA	28" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	69.73	
23 01 30 61-0013	EA	30" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	75.38	
23 01 30 61-0014	EA	33" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	79.79	
23 01 30 61-0015	EA	36" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	85.24	
23 01 30 61-0016	EA	39" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	94.98	
23 01 30 61-0017	EA	42" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	103.44	
23 01 30 61-0018	EA	45" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	113.64	
23 01 30 61-0019	EA	48" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	123.25	
23 01 30 61-0020	EA	54" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	154.55	
23 01 30 61-0021	EA	60" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	191.42	
23 01 30 61-0022		Rework Sheet Metal Ductwork *(23 01 30 61)* Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 01 30 61-0023	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	32.48	
23 01 30 61-0024	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	63.34	
23 01 30 61-0025	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	83.69	
23 01 30 61-0026	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	104.81	
23 01 30 61-0027	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	146.17	
23 01 30 61-0028	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	170.53	
23 01 30 61-0029	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	194.89	
23 01 30 61-0030	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	219.26	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001		Boiler Repairs *(23 01 50 61)*		
23 01 50 61-0002		Setup And Maintenance *(23 01 50 61-0001)*		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,547.41	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,784.43	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*654.74*	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,396.54	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,698.27	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,396.54	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	106.14	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	318.43	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	12.37	
23 01 50 61-0011		Boiler Tube Replacement *(23 01 50 61-0001)*		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	254.73	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	318.43	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	445.79	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	19.62	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	23.16	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	26.75	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	40.54	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	48.14	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	63.11	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	31.84	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	47.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	63.69	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	79.60	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	95.53	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	111.45	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	95.53	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	127.37	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	159.21	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	191.06	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	222.89	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	254.73	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	391.81	
23 01 50 61-0034		**Cast Iron Boiler Section Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,848.94	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,968.71	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,457.09	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,259.26	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,893.82	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,509.77	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,549.06	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,676.47	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,125.02	
23 01 50 61-0044		**Cast Iron Grate Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	144.63	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,168.43	
23 01 50 61-0047		**Replacement Or Conversion Of Boiler Burners** *(23 01 50 61-0001)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	10,643.16	1,127.06
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	15,390.63	1,395.39
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	18,173.01	1,690.47
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	21,462.55	1,819.39
23 01 50 61-0052		**Video Inspection Of Boiler Tubing** *(23 01 50 61-0001)*		
23 01 50 61-0053	EA	Initial Set Up For Boiler Tubing Video Camera Inspection	496.34	
23 01 50 61-0054	LF	Boiler Tubing Inspection	0.60	
23 01 50 61-0055		**Boiler And Chiller Water Treatment** *(23 01 50 61)* Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0056	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.69	
23 01 50 61-0057	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.54	
23 01 50 61-0058	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	158.67	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001		**Cooling Tower Repairs** *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,501.21	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,131.54	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,757.24	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,624.51	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,201.92	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	3,862.37	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,304.03	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,063.17	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	5,776.31	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,367.53	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	961.56	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	997.44	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,065.55	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,241.75	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,539.88	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,084.16	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,191.36	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,352.17	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	40.41	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	24.02	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 71		**Refrigerant Recovery/Recycling** *(23 01 60)*		
23 01 60 71-0001		Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*		
23 01 60 71-0002	LB	Recovery Of Refrigerant	12.14	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	22.78	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units.	10.23	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001		Premium Efficient, Motors *(23 05 13)* Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.		
23 05 13 00-0002		Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)* Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003		Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*		
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	725.71	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	821.73	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	963.41	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	809.14	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	859.51	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,127.13	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	950.82	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	920.91	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,152.31	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	963.41	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	993.32	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,467.15	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,051.57	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,087.77	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,922.10	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,668.65	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,599.39	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,304.63	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,907.93	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,936.27	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,998.85	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,710.77	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,742.26	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,044.12	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,184.61	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,442.78	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,922.52	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,823.73	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,196.82	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,945.75	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,511.66	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,588.79	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,202.35	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,813.52	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,986.68	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,331.43	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,606.92	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,011.10	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,318.07	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,509.36	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,210.26	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,233.49	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,878.91	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,098.54	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,572.37	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	17,391.76	
23 05 13 00-0050		Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,835.98	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,696.69	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,580.62	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,120.19	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,642.44	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,972.64	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,187.50	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,166.69	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,708.98	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,228.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	27,823.98	

23 05 13 00-0062 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	848.49	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	935.07	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.96	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	961.84	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	971.28	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,053.14	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,007.49	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,168.06	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.96	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,786.72	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,295.57	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,218.43	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,018.12	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,940.99	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,756.81	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,967.75	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,983.49	

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,210.56	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,355.39	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,278.25	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,254.64	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,613.56	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,344.37	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,314.46	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,638.74	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,451.41	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,492.34	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,041.74	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,786.72	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,493.92	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,369.17	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,068.50	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,992.94	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,378.23	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,424.27	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,235.36	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,856.79	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,340.45	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,057.10	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,144.49	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,666.31	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,707.24	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,849.34	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,783.99	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,848.54	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,749.79	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,684.44	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,752.13	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,952.48	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,792.29	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,521.53	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,156.36	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,524.29	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,220.47	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,481.45	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,974.94	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,828.54	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,363.81	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,931.67	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,830.92	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,055.69	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,176.10	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	21,264.29	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,459.92	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	30,740.98	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,257.79	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,382.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,526.97	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,145.63	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,430.95	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,408.91	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,786.72	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,669.84	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,497.06	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,470.30	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,810.33	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,367.21	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,770.98	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,860.70	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,613.17	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,652.14	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,178.69	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,893.76	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,647.80	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,813.52	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,843.01	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,384.91	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,789.10	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,647.85	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,027.19	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,855.60	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,922.52	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,754.51	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,872.53	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,637.98	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,643.51	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,351.94	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,517.95	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,902.44	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,667.93	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,801.78	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,429.42	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,106.70	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,012.68	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,619.51	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,063.82	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,329.90	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,094.15	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,933.97	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,875.38	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,530.21	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,312.97	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,714.43	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,830.92	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,481.83	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,732.98	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,461.79	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,584.96	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,799.14	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,435.07	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,145.42	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,077.01	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,836.92	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,633.85	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	28,329.30	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,772.42	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,515.82	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,940.52	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,702.81	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,898.01	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	41,839.09	
23 05 13 00-0197		**Premium Efficient, Explosion Proof Motors** *(23 05 13 00-0001)* Note: NEMA premium efficiency, explosion proof, three phase AC motors.		
23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,678.10	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,737.92	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,895.34	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,342.41	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,597.43	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,579.73	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,653.72	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,946.14	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,638.78	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	7,408.19	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,314.92	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	10,873.00	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,245.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	17,130.44	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	20,110.40	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	24,497.70	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	32,019.23	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	36,534.03	
23 05 13 00-0216		Motor Mounting *(23 05 13)*		
		Note: Includes handling and motor installation on mounting base. Excludes mounting base.		
23 05 13 00-0217	EA	1/2 HP Motor Mounting	195.95	99.70
23 05 13 00-0218	EA	3/4 HP Motor Mounting	225.78	124.63
23 05 13 00-0219	EA	1 HP Motor Mounting	241.53	124.63
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	259.64	124.63
23 05 13 00-0221	EA	2 HP Motor Mounting	280.69	149.55
23 05 13 00-0222	EA	3 HP Motor Mounting	324.55	149.55
23 05 13 00-0223	EA	5 HP Motor Mounting	384.66	249.26
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	494.55	249.26
23 05 13 00-0225	EA	10 HP Motor Mounting	649.11	436.20
23 05 13 00-0226	EA	15 HP Motor Mounting	798.90	436.20
23 05 13 00-0227	EA	20 HP Motor Mounting	944.15	623.14
23 05 13 00-0228	EA	25 HP Motor Mounting	1,070.68	623.14
23 05 13 00-0229	EA	30 HP Motor Mounting	1,298.20	623.14
23 05 13 00-0230	EA	40 HP Motor Mounting	1,462.76	934.71
23 05 13 00-0231	EA	50 HP Motor Mounting	1,622.75	934.71
23 05 13 00-0232	EA	75 HP Motor Mounting	1,959.55	1,370.90
23 05 13 00-0233	EA	100 HP Motor Mounting	2,360.36	1,370.90
23 05 13 00-0234	EA	125 HP Motor Mounting	2,884.89	1,869.41
23 05 13 00-0235	EA	150 HP Motor Mounting	3,350.20	1,869.41
23 05 13 00-0236	EA	200 HP Motor Mounting	3,846.53	2,243.29
23 05 13 00-0237		Motor Couplings *(23 05 13)*		
23 05 13 00-0238	EA	5 To 15 HP, MGD Coupling (MagnaDrive MGE-07)	5,066.89	69.82
23 05 13 00-0239	EA	>15 To 50 HP, MGD Coupling (MagnaDrive MGE-11)	6,597.60	104.73
23 05 13 00-0240	EA	>50 To 100 HP, MGD Coupling (MagnaDrive MGE-15)	11,497.48	139.65

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001		Stainless Steel Bellows Type Expansion Joints *(23 05 16)*		
		Note: Includes internal sleeves and external covers.		
23 05 16 00-0002		Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*		
		Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	262.35	92.59
		For 300 LB Rating, Add	*19.27*	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	293.13	104.41
		For 300 LB Rating, Add	*21.11*	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	349.42	119.69
		For 300 LB Rating, Add	*27.53*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	399.03	133.59
		For 300 LB Rating, Add	*33.04*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	433.91	143.58
		For 300 LB Rating, Add	*36.69*	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	491.93	168.96
		For 300 LB Rating, Add	*38.52*	
23 05 16 00-0009		Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*		
		Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	555.23	92.56
		For 300 LB Rating, Add	*110.06*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	608.22	111.08
		For 300 LB Rating, Add	*117.26*	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	645.43	141.02
		For 300 LB Rating, Add	*117.28*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	696.20	153.40
		For 300 LB Rating, Add	*125.97*	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	769.56	179.85
		For 300 LB Rating, Add	*136.12*	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	965.14	301.50
		For 300 LB Rating, Add	*146.83*	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,287.23	329.75
		For 300 LB Rating, Add	*218.92*	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,209.56	366.39
		For 300 LB Rating, Add	*187.49*	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,553.63	468.16
		For 300 LB Rating, Add	*243.02*	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,969.83	569.94
		For 300 LB Rating, Add	*314.35*	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,570.13	431.72
		For 300 LB Rating, Add	*426.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,252.80	814.20
		For 300 LB Rating, Add	*558.77*	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,157.79	895.61
		For 300 LB Rating, Add	*759.57*	

23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	607.41	126.95
		For 300 LB Rating, Add	*88.40*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	632.75	128.00
		For 300 LB Rating, Add	*94.18*	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	641.52	132.24
		For 300 LB Rating, Add	*94.20*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	693.43	144.19
		For 300 LB Rating, Add	*101.18*	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	777.73	169.58
		For 300 LB Rating, Add	*109.56*	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,146.41	337.69
		For 300 LB Rating, Add	*117.93*	
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,390.99	344.71
		For 300 LB Rating, Add	*175.83*	
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,365.10	381.66
		For 300 LB Rating, Add	*150.59*	
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,651.68	436.10
		For 300 LB Rating, Add	*195.19*	
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,076.43	534.31
		For 300 LB Rating, Add	*252.49*	
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,665.19	647.69
		For 300 LB Rating, Add	*342.47*	
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,183.99	659.50
		For 300 LB Rating, Add	*466.18*	
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,183.94	824.37
		For 300 LB Rating, Add	*633.71*	

23 05 16 00-0037 Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0038 Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16 00-0037)*

23 05 16 00-0039	EA	2" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	803.28	141.02
23 05 16 00-0040	EA	2-1/2" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	865.76	153.40
23 05 16 00-0041	EA	3" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	952.78	179.85
23 05 16 00-0042	EA	4" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,162.77	301.50
23 05 16 00-0043	EA	5" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,581.89	329.75
23 05 16 00-0044	EA	6" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,461.92	366.39
23 05 16 00-0045	EA	8" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,880.73	468.16
23 05 16 00-0046	EA	10" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,392.96	569.94
23 05 16 00-0047	EA	12" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	3,144.05	432.24
23 05 16 00-0048	EA	14" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	4,004.91	814.20
23 05 16 00-0049	EA	16" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	5,180.20	895.61
23 05 16 00-0050	EA	18" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	6,772.64	993.32
23 05 16 00-0051	EA	20" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	7,890.71	1,119.51
23 05 16 00-0052	EA	24" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	9,082.39	1,373.96
23 05 16 00-0053	EA	30" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	11,823.04	2,239.03
23 05 16 00-0054	EA	36" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	15,143.03	2,985.38

23 05 16 00-0055 Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0056 Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16 00-0055)*

23 05 16 00-0057	EA	2" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,601.58	141.02
23 05 16 00-0058	EA	2-1/2" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,723.20	153.40
23 05 16 00-0059	EA	3" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,879.34	179.85
23 05 16 00-0060	EA	4" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	2,162.22	301.50
23 05 16 00-0061	EA	5" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	3,072.05	329.75
23 05 16 00-0062	EA	6" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	2,738.12	366.39
23 05 16 00-0063	EA	8" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	3,534.93	468.16
23 05 16 00-0064	EA	10" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	4,532.75	569.94
23 05 16 00-0065	EA	12" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	6,046.45	432.24
23 05 16 00-0066	EA	14" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	7,808.41	814.20
23 05 16 00-0067	EA	16" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	10,350.57	895.61
23 05 16 00-0068	EA	18" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	13,815.11	993.32
23 05 16 00-0069	EA	20" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	16,155.93	1,119.51
23 05 16 00-0070	EA	24" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	18,460.00	1,373.96
23 05 16 00-0071	EA	30" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	23,313.39	2,239.03
23 05 16 00-0072	EA	36" Flanged, 150 LB, Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	29,672.76	2,985.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0073		Neoprene Bellows Type Expansion Joints *(23 05 16)*		
23 05 16 00-0074		Flanged, 150 LB, Neoprene Bellows Type Expansion Joints *(23 05 16 00-0073)*		
		Note: Cast iron ends.		
23 05 16 00-0075	EA	2" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	1,005.22	141.02
23 05 16 00-0076	EA	2-1/2" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	1,067.29	153.40
23 05 16 00-0077	EA	3" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	1,111.54	179.85
23 05 16 00-0078	EA	4" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	1,367.91	301.50
23 05 16 00-0079	EA	5" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	1,620.37	329.75
23 05 16 00-0080	EA	6" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	1,687.62	366.39
23 05 16 00-0081	EA	8" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	2,039.82	468.16
23 05 16 00-0082	EA	10" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	2,285.80	569.94
23 05 16 00-0083	EA	12" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	2,553.08	432.03
23 05 16 00-0084	EA	14" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	3,262.68	814.20
23 05 16 00-0085	EA	16" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	4,170.32	895.61
23 05 16 00-0086	EA	18" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	5,386.15	993.32
23 05 16 00-0087	EA	20" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	6,292.21	1,119.51
23 05 16 00-0088	EA	24" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	7,262.63	1,373.96
23 05 16 00-0089	EA	30" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	9,571.99	2,239.03
23 05 16 00-0090	EA	36" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint	12,308.54	2,985.38
23 05 16 00-0091		Tube And Cover Expansion Joints *(23 05 16)*		
		Note: Carbon steel split backup rings.		
23 05 16 00-0092		Flanged, 150 LB, Tube And Cover Expansion Joints *(23 05 16 00-0091)*		
23 05 16 00-0093		Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints *(23 05 16 00-0092)*		
23 05 16 00-0094	EA	1" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	449.78	79.34
23 05 16 00-0095	EA	1-1/4" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	429.37	92.56
23 05 16 00-0096	EA	1-1/2" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	511.80	111.08
23 05 16 00-0097	EA	2" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	595.49	141.02
23 05 16 00-0098	EA	2-1/2" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	669.73	153.40
23 05 16 00-0099	EA	3" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	756.71	195.28
23 05 16 00-0100	EA	4" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,004.06	327.37
23 05 16 00-0101	EA	5" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,116.53	372.17
23 05 16 00-0102	EA	6" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,239.74	366.39
23 05 16 00-0103	EA	8" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,603.45	416.48
23 05 16 00-0104	EA	10" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,377.45	569.94
23 05 16 00-0105	EA	12" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,005.96	692.07
23 05 16 00-0106	EA	14" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,369.75	814.20
23 05 16 00-0107	EA	16" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,762.61	895.61
23 05 16 00-0108	EA	18" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,094.33	993.32
23 05 16 00-0109	EA	20" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,915.77	1,119.51
23 05 16 00-0110	EA	24" x 10" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,967.35	1,373.96
23 05 16 00-0111	EA	30" x 10" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	8,550.74	2,239.03
23 05 16 00-0112	EA	36" x 10" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	10,275.43	2,985.38
23 05 16 00-0113		Flanged, 150 LB, Rubber Tube And Cover Expansion Joints *(23 05 16 00-0092)*		
23 05 16 00-0114	EA	1" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	426.49	79.34
23 05 16 00-0115	EA	1-1/4" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	406.08	92.56
23 05 16 00-0116	EA	1-1/2" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	488.51	111.08
23 05 16 00-0117	EA	2" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	572.20	141.02
23 05 16 00-0118	EA	2-1/2" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	646.44	153.40
23 05 16 00-0119	EA	3" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	733.42	195.28
23 05 16 00-0120	EA	4" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	969.13	327.37
23 05 16 00-0121	EA	5" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	1,081.60	372.17
23 05 16 00-0122	EA	6" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	1,204.81	366.39
23 05 16 00-0123	EA	8" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	1,606.21	468.16
23 05 16 00-0124	EA	10" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	2,249.38	569.94
23 05 16 00-0125	EA	12" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	2,889.53	692.07
23 05 16 00-0126	EA	14" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	3,241.67	814.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0127	EA	16" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	3,634.53	895.61
23 05 16 00-0128	EA	18" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	3,954.61	993.32
23 05 16 00-0129	EA	20" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	4,752.76	1,119.51
23 05 16 00-0130	EA	24" x 10" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	5,769.41	1,373.96
23 05 16 00-0131	EA	30" x 10" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	7,980.20	2,239.03
23 05 16 00-0132	EA	36" x 10" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451)	9,949.41	2,985.38
23 05 16 00-0133		Flanged, 125 LB, Buna-N Tube And Cover Expansion Joints *(23 05 16 00-0092)*		
23 05 16 00-0134	EA	2" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	583.85	141.02
23 05 16 00-0135	EA	3" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	724.69	195.28
23 05 16 00-0136	EA	4" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	957.49	327.37
23 05 16 00-0137	EA	6" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,105.84	366.39
23 05 16 00-0138	EA	8" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,373.33	468.16
23 05 16 00-0139	EA	10" x 8" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,702.13	569.94
23 05 16 00-0140	EA	12" x 8" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,033.72	692.07
23 05 16 00-0141		Flanged, Tube And Cover Expansion Joints (Mercer 501) *(23 05 16 00-0091)*		
23 05 16 00-0142		Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE) *(23 05 16 00-0141)*		
23 05 16 00-0143	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	861.10	111.08
23 05 16 00-0144	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	956.44	141.02
23 05 16 00-0145	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	995.75	153.40
23 05 16 00-0146	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,129.30	195.28
23 05 16 00-0147	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,434.88	327.37
23 05 16 00-0148	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,582.28	372.17
23 05 16 00-0149	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,682.20	366.39
23 05 16 00-0150	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,246.60	468.16
23 05 16 00-0151	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,773.34	569.94
23 05 16 00-0152	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,203.90	692.07
23 05 16 00-0153	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,672.48	814.20
23 05 16 00-0154	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,007.12	895.61
23 05 16 00-0155	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,385.42	993.32
23 05 16 00-0156	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,148.64	1,119.51
23 05 16 00-0157	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,316.66	1,373.96
23 05 16 00-0158	EA	30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,121.27	2,239.03
23 05 16 00-0159	EA	36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	11,323.36	2,985.38
23 05 16 00-0160	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	14,819.31	4,478.07
23 05 16 00-0161	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	17,581.01	5,597.58
23 05 16 00-0162	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	23,454.15	8,060.52
23 05 16 00-0163		Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) *(23 05 16 00-0141)*		
23 05 16 00-0164	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	814.53	111.08
23 05 16 00-0165	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	898.22	141.02
23 05 16 00-0166	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	937.53	153.40
23 05 16 00-0167	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,059.44	195.28
23 05 16 00-0168	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,353.37	327.37
23 05 16 00-0169	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,500.77	372.17
23 05 16 00-0170	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,589.05	366.39
23 05 16 00-0171	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,118.53	468.16
23 05 16 00-0172	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,621.97	569.94
23 05 16 00-0173	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,029.25	692.07
23 05 16 00-0174	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,474.54	814.20
23 05 16 00-0175	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,797.54	895.61
23 05 16 00-0176	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,140.91	993.32
23 05 16 00-0177	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,869.19	1,119.51
23 05 16 00-0178	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,979.00	1,373.96
23 05 16 00-0179	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	8,643.89	2,239.03
23 05 16 00-0180	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	10,752.82	2,985.38
23 05 16 00-0181		Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) *(23 05 16 00-0141)* Note: 501BB, 501NN or 501NiNi.		
23 05 16 00-0182	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	861.10	111.08
23 05 16 00-0183	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	968.08	141.02
23 05 16 00-0184	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	995.75	153.40
23 05 16 00-0185	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,129.30	195.28
23 05 16 00-0186	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,434.88	327.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0187	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,582.28	372.17
23 05 16 00-0188	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,693.84	366.39
23 05 16 00-0189	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,246.60	468.16
23 05 16 00-0190	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,773.34	569.94
23 05 16 00-0191	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,203.90	692.07
23 05 16 00-0192	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,672.48	814.20
23 05 16 00-0193	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,007.12	895.61
23 05 16 00-0194	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,385.42	993.32
23 05 16 00-0195	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,148.64	1,119.51
23 05 16 00-0196	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,316.66	1,373.96
23 05 16 00-0197	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,121.27	2,239.03
23 05 16 00-0198	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	11,323.36	2,985.38
23 05 16 00-0199		Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) *(23 05 16 00-0141)*		
23 05 16 00-0200	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	896.03	111.08
23 05 16 00-0201	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	991.37	141.02
23 05 16 00-0202	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,030.68	153.40
23 05 16 00-0203	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,175.88	195.28
23 05 16 00-0204	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,493.09	327.37
23 05 16 00-0205	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,640.49	372.17
23 05 16 00-0206	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,752.06	366.39
23 05 16 00-0207	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,328.11	468.16
23 05 16 00-0208	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,878.13	569.94
23 05 16 00-0209	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,331.98	692.07
23 05 16 00-0210	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,800.56	814.20
23 05 16 00-0211	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,158.49	895.61
23 05 16 00-0212	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,536.79	993.32
23 05 16 00-0213	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,334.94	1,119.51
23 05 16 00-0214	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,561.18	1,373.96
23 05 16 00-0215		Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) *(23 05 16 00-0141)* Note: Kevlar reinforcement for high temperature.		
23 05 16 00-0216	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,117.26	111.08
23 05 16 00-0217	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,177.67	141.02
23 05 16 00-0218	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,275.19	153.40
23 05 16 00-0219	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,373.82	195.28
23 05 16 00-0220	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,888.98	327.37
23 05 16 00-0221	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,059.66	372.17
23 05 16 00-0222	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,124.65	366.39
23 05 16 00-0223	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,514.41	468.16
23 05 16 00-0224	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,982.92	569.94
23 05 16 00-0225	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,611.43	692.07
23 05 16 00-0226	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,266.30	814.20
23 05 16 00-0227	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,973.54	895.61
23 05 16 00-0228	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,526.49	993.32
23 05 16 00-0229	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	6,522.58	1,119.51
23 05 16 00-0230	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	8,505.66	1,373.96
23 05 16 00-0231		Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) *(23 05 16 00-0091)*		
23 05 16 00-0232		2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) *(23 05 16 00-0231)*		
23 05 16 00-0233	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	519.64	79.34
23 05 16 00-0234	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	589.49	85.17
23 05 16 00-0235	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	793.43	88.13
23 05 16 00-0236	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,019.23	96.27
23 05 16 00-0237	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,383.57	191.14
23 05 16 00-0238	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,863.73	244.89
23 05 16 00-0239	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,269.06	267.06
23 05 16 00-0240	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,523.21	254.43
23 05 16 00-0241	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,480.83	290.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0242	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	4,510.77	345.83
23 05 16 00-0243	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	6,257.05	433.05
23 05 16 00-0244		3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) *(23 05 16 00-0231)*		
23 05 16 00-0245	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	577.86	79.34
23 05 16 00-0246	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	647.69	85.17
23 05 16 00-0247	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	886.58	88.13
23 05 16 00-0248	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,147.31	96.27
23 05 16 00-0249	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,523.29	191.14
23 05 16 00-0250	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,073.32	244.89
23 05 16 00-0251	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,525.22	267.06
23 05 16 00-0252	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,837.59	254.43
23 05 16 00-0253	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	3,911.64	290.77
23 05 16 00-0254	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	5,081.31	345.83
23 05 16 00-0255	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	7,060.46	433.05
23 05 16 00-0256		5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) *(23 05 16 00-0231)*		
23 05 16 00-0257	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	636.08	79.34
23 05 16 00-0258	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	810.72	85.17
23 05 16 00-0259	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,037.95	88.13
23 05 16 00-0260	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,380.18	96.27
23 05 16 00-0261	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,849.31	191.14
23 05 16 00-0262	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,387.70	244.89
23 05 16 00-0263	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,142.33	267.06
23 05 16 00-0264	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,361.55	254.43
23 05 16 00-0265	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	5,087.64	290.77
23 05 16 00-0266	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	6,769.63	345.83
23 05 16 00-0267	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	8,469.33	433.05
23 05 16 00-0268		Mercer Rubber, Series 450 *(23 05 16 00-0091)*		
23 05 16 00-0269		Expansion Joints, 2 Arch (452) *(23 05 16 00-0268)*		
23 05 16 00-0270	EA	1-1/2" x 12" Expansion Joints, 2 Arch	638.97	85.17
23 05 16 00-0271	EA	2" x 12" Expansion Joints, 2 Arch	714.84	88.13
23 05 16 00-0272	EA	2-1/2" x 12" Expansion Joints, 2 Arch	792.18	96.27
23 05 16 00-0273	EA	3" x 12" Expansion Joints, 2 Arch	1,060.46	191.14
23 05 16 00-0274	EA	4" x 12" Expansion Joints, 2 Arch	1,214.60	244.89
23 05 16 00-0275	EA	6" x 12" Expansion Joints, 2 Arch	1,353.03	254.43
23 05 16 00-0276	EA	8" x 12" Expansion Joints, 2 Arch	1,518.88	290.77
23 05 16 00-0277	EA	10" x 14" Expansion Joints, 2 Arch	2,048.15	345.83
23 05 16 00-0278	EA	12" x 14" Expansion Joints, 2 Arch	2,409.47	433.36
23 05 16 00-0279	EA	14" x 14" Expansion Joints, 2 Arch	2,814.63	439.46
23 05 16 00-0280	EA	16" x 14" Expansion Joints, 2 Arch	3,395.64	548.05
23 05 16 00-0281	EA	18" x 14" Expansion Joints, 2 Arch	3,790.79	621.84
23 05 16 00-0282	EA	20" x 14" Expansion Joints, 2 Arch	4,296.00	699.80
23 05 16 00-0283	EA	24" x 16" Expansion Joints, 2 Arch	5,138.64	859.18
23 05 16 00-0284		Mercer Rubber, Series 502 And 701 *(23 05 16 00-0091)*		
23 05 16 00-0285		2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) *(23 05 16 00-0284)*		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0286	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,024.11	111.36
23 05 16 00-0287	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,084.52	141.06
23 05 16 00-0288	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,158.76	153.88
23 05 16 00-0289	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,234.10	195.52
23 05 16 00-0290	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,574.60	328.19
23 05 16 00-0291	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,861.72	371.59
23 05 16 00-0292	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,926.71	367.70
23 05 16 00-0293	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,293.18	468.16
23 05 16 00-0294	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,691.83	569.94
23 05 16 00-0295	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,136.56	433.05
23 05 16 00-0296	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,870.42	814.20
23 05 16 00-0297	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,507.80	895.61
23 05 16 00-0298	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,990.89	993.32
23 05 16 00-0299	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,660.96	1,119.51
23 05 16 00-0300	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	6,747.48	1,373.96
23 05 16 00-0301	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	9,947.97	2,239.03
23 05 16 00-0302	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	12,464.43	2,985.38
23 05 16 00-0303	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	16,612.43	4,478.07
23 05 16 00-0304	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	19,618.64	5,597.58
23 05 16 00-0305	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	26,609.56	8,060.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0306		**2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)** *(23 05 16 00-0284)* Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0307	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,117.26	111.36
23 05 16 00-0308	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,177.67	141.06
23 05 16 00-0309	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,263.55	153.88
23 05 16 00-0310	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,338.89	195.52
23 05 16 00-0311	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,667.75	328.19
23 05 16 00-0312	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,001.45	371.59
23 05 16 00-0313	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,043.15	367.70
23 05 16 00-0314	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,467.83	468.16
23 05 16 00-0315	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,878.13	569.94
23 05 16 00-0316	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,334.50	433.05
23 05 16 00-0317	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,138.22	814.20
23 05 16 00-0318	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,822.17	895.61
23 05 16 00-0319	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,340.20	993.32
23 05 16 00-0320	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,056.84	1,119.51
23 05 16 00-0321	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	7,213.22	1,373.96
23 05 16 00-0322	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	10,634.94	2,239.03
23 05 16 00-0323	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	13,279.48	2,985.38
23 05 16 00-0324	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	17,660.35	4,478.07
23 05 16 00-0325	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	20,829.58	5,597.58
23 05 16 00-0326	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	28,262.95	8,060.52
23 05 16 00-0327		**2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)** *(23 05 16 00-0284)* Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0328	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,152.19	111.36
23 05 16 00-0329	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,247.53	141.06
23 05 16 00-0330	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,321.77	153.88
23 05 16 00-0331	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,408.75	195.52
23 05 16 00-0332	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,760.90	328.19
23 05 16 00-0333	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,071.31	371.59
23 05 16 00-0334	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,159.59	367.70
23 05 16 00-0335	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,560.98	468.16
23 05 16 00-0336	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,994.57	569.94
23 05 16 00-0337	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,474.23	433.05
23 05 16 00-0338	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,277.95	814.20
23 05 16 00-0339	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,008.47	895.61
23 05 16 00-0340	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,549.78	993.32
23 05 16 00-0341	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,336.29	1,119.51
23 05 16 00-0342	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,469.38	1,373.96
23 05 16 00-0343	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	10,669.87	2,239.03
23 05 16 00-0344	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	13,745.23	2,985.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0345	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	18,312.39	4,478.07
23 05 16 00-0346	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	21,551.48	5,597.58
23 05 16 00-0347	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	29,241.02	8,060.52
23 05 16 00-0348		2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH) *(23 05 16 00-0284)* Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0349	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,210.41	111.36
23 05 16 00-0350	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,270.82	141.06
23 05 16 00-0351	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,356.70	153.88
23 05 16 00-0352	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,466.97	195.52
23 05 16 00-0353	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,807.47	328.19
23 05 16 00-0354	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,164.46	371.59
23 05 16 00-0355	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,252.73	367.70
23 05 16 00-0356	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,654.13	468.16
23 05 16 00-0357	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,111.00	569.94
23 05 16 00-0358	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,637.24	433.05
23 05 16 00-0359	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,440.96	814.20
23 05 16 00-0360	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,218.06	895.61
23 05 16 00-0361	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,782.65	993.32
23 05 16 00-0362	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,592.45	1,119.51
23 05 16 00-0363	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	7,737.18	1,373.96
23 05 16 00-0364	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	11,438.35	2,239.03
23 05 16 00-0365	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	14,304.12	2,985.38
23 05 16 00-0366	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	18,964.43	4,478.07
23 05 16 00-0367	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	22,110.37	5,597.58
23 05 16 00-0368	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	29,986.21	8,060.52
23 05 16 00-0369		2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) *(23 05 16 00-0284)* Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0370	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,513.14	111.36
23 05 16 00-0371	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,643.41	141.06
23 05 16 00-0372	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,752.58	153.88
23 05 16 00-0373	EA	3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,328.59	195.52
23 05 16 00-0374	EA	4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,041.69	328.19
23 05 16 00-0375	EA	5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,724.70	371.59
23 05 16 00-0376	EA	6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,045.85	367.70
23 05 16 00-0377	EA	8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,215.72	468.16
23 05 16 00-0378	EA	10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	6,906.82	569.94
23 05 16 00-0379	EA	12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,898.79	433.05
23 05 16 00-0380	EA	14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,086.75	814.20
23 05 16 00-0381	EA	16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,133.01	895.61
23 05 16 00-0382	EA	18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	12,349.64	993.32
23 05 16 00-0383	EA	20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	14,510.09	1,119.51
23 05 16 00-0384	EA	24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	19,043.12	1,373.96
23 05 16 00-0385	EA	30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	31,907.80	2,239.03
23 05 16 00-0386	EA	36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	40,059.76	2,985.38
23 05 16 00-0387	EA	42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	52,404.85	4,478.07
23 05 16 00-0388	EA	48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	61,256.16	5,597.58
23 05 16 00-0389	EA	60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	81,101.61	8,060.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 16 00-0390 Teflon Lined Expansion Joints (Mercer 701) *(23 05 16 00-0284)*

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

23 05 16 00-0391	EA	1-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,002.82	85.17
		For Hypalon Tube And Cover, Add	*16.65*	
		For Viton Tube And Cover, Add	*832.52*	
23 05 16 00-0392	EA	2" Teflon Lined Expansion Joint (Mercer 701)	1,171.85	88.13
		For Hypalon Tube And Cover, Add	*19.91*	
		For Viton Tube And Cover, Add	*995.53*	
23 05 16 00-0393	EA	2-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,336.47	96.27
		For Hypalon Tube And Cover, Add	*22.88*	
		For Viton Tube And Cover, Add	*1,143.98*	
23 05 16 00-0394	EA	3" Teflon Lined Expansion Joint (Mercer 701)	1,651.52	191.14
		For Hypalon Tube And Cover, Add	*25.38*	
		For Viton Tube And Cover, Add	*1,269.15*	
23 05 16 00-0395	EA	4" Teflon Lined Expansion Joint (Mercer 701)	2,027.00	245.01
		For Hypalon Tube And Cover, Add	*30.74*	
		For Viton Tube And Cover, Add	*1,536.96*	
23 05 16 00-0396	EA	5" Teflon Lined Expansion Joint (Mercer 701)	2,411.29	266.83
		For Hypalon Tube And Cover, Add	*37.55*	
		For Viton Tube And Cover, Add	*1,877.53*	
23 05 16 00-0397	EA	6" Teflon Lined Expansion Joint (Mercer 701)	2,540.68	254.43
		For Hypalon Tube And Cover, Add	*40.64*	
		For Viton Tube And Cover, Add	*2,031.81*	
23 05 16 00-0398	EA	8" Teflon Lined Expansion Joint (Mercer 701)	3,049.54	290.57
		For Hypalon Tube And Cover, Add	*49.37*	
		For Viton Tube And Cover, Add	*2,468.44*	
23 05 16 00-0399	EA	10" Teflon Lined Expansion Joint (Mercer 701)	3,844.17	345.83
		For Hypalon Tube And Cover, Add	*63.05*	
		For Viton Tube And Cover, Add	*3,152.50*	
23 05 16 00-0400	EA	12" Teflon Lined Expansion Joint (Mercer 701)	4,915.75	433.36
		For Hypalon Tube And Cover, Add	*80.98*	
		For Viton Tube And Cover, Add	*4,049.06*	
23 05 16 00-0401	EA	14" Teflon Lined Expansion Joint (Mercer 701)	5,525.33	439.77
		For Hypalon Tube And Cover, Add	*92.92*	
		For Viton Tube And Cover, Add	*4,645.80*	
23 05 16 00-0402	EA	16" Teflon Lined Expansion Joint (Mercer 701)	6,859.61	548.05
		For Hypalon Tube And Cover, Add	*115.27*	
		For Viton Tube And Cover, Add	*5,763.58*	
23 05 16 00-0403	EA	18" Teflon Lined Expansion Joint (Mercer 701)	7,640.74	622.76
		For Hypalon Tube And Cover, Add	*127.91*	
		For Viton Tube And Cover, Add	*6,395.25*	
23 05 16 00-0404	EA	20" Teflon Lined Expansion Joint (Mercer 701)	8,944.87	698.47
		For Hypalon Tube And Cover, Add	*150.96*	
		For Viton Tube And Cover, Add	*7,547.96*	
23 05 16 00-0405	EA	24" Teflon Lined Expansion Joint (Mercer 701)	11,693.56	860.40
		For Hypalon Tube And Cover, Add	*199.45*	
		For Viton Tube And Cover, Add	*9,972.74*	

23 05 16 00-0406 Accessories For Mercer Rubber, Series 451 And 501 *(23 05 16 00-0091)*

23 05 16 00-0407 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0406)*

23 05 16 00-0408	EA	1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	44.25
23 05 16 00-0409	EA	2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	55.89
23 05 16 00-0410	EA	2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	62.88
23 05 16 00-0411	EA	3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	67.53
23 05 16 00-0412	EA	4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	100.14
23 05 16 00-0413	EA	5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	123.42
23 05 16 00-0414	EA	6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	135.07
23 05 16 00-0415	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	149.04
23 05 16 00-0416	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	190.96
23 05 16 00-0417	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	225.89
23 05 16 00-0418	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	302.73
23 05 16 00-0419	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	326.02
23 05 16 00-0420	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	349.31
23 05 16 00-0421	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	384.24
23 05 16 00-0422	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	477.39
23 05 16 00-0423	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	593.82
23 05 16 00-0424	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	721.90
23 05 16 00-0425	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,024.64
23 05 16 00-0426	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,222.58

23 05 16 00-0427 Control Rods For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0406)*

23 05 16 00-0428	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	259.53
23 05 16 00-0429	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	328.23
23 05 16 00-0430	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	381.67
23 05 16 00-0431	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	458.00
23 05 16 00-0432	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	458.00
23 05 16 00-0433	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	496.17
23 05 16 00-0434	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	572.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0435	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	839.67	
23 05 16 00-0436	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,641.17	
23 05 16 00-0437	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	2,251.84	
23 05 16 00-0438	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	3,358.68	
23 05 16 00-0439	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	3,778.51	
23 05 16 00-0440	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	5,038.02	
23 05 16 00-0441	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	5,381.52	
23 05 16 00-0442	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	6,068.52	
23 05 16 00-0443	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	8,892.86	
23 05 16 00-0444	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	13,091.21	
23 05 16 00-0445	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	8,854.70	
23 05 16 00-0446	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	11,640.87	
23 05 16 00-0447	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	18,167.40	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	128.13	50.33
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	159.23	58.78
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	195.11	70.52
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	275.17	105.73
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	352.22	140.94
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	433.40	176.26

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	152.31	51.08
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	192.50	55.37
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	230.24	59.65
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	287.56	71.56
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	425.99	89.38
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	1,096.20	107.29
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,328.04	134.12
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,831.85	165.02
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,611.96	214.60
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	3,872.38	268.24

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	110.19	36.76
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	128.55	36.76
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	128.55	36.76

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	146.91	36.76
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	146.91	36.76
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	185.31	36.76
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.92	36.76
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	160.27	36.76
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	190.32	36.76

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	146.91	36.76
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	146.91	36.76
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	185.31	36.76
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	168.62	36.76
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	185.31	36.76
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	189.57	36.76

23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*

23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	189.76	68.92
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	189.67	68.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0023		**Pressure Gauges** *(23 05 19)*		
23 05 19 00-0024		**Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	39.40	14.35
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	49.25	14.35
23 05 19 00-0027		**Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	317.31	14.35
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	317.31	14.35
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	415.32	14.35
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	992.49	14.35
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	146.18	14.35
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	334.02	14.35
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	327.55	14.35
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	327.55	14.35
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	327.55	14.35
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	93.54	11.48
23 05 19 00-0041	EA	1/4" Snubber Valve	56.58	11.48
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	35.43	17.23
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	30.28	17.23
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	48.69	17.23
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	8.91	5.74
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	66.27	28.72
23 05 19 00-0047	EA	1/4", 300 LB, Black Steel Union	90.87	11.48
23 05 19 00-0048	EA	1/4" Black Steel Coupling	25.49	11.48
23 05 19 00-0049	EA	1/4", 300 LB, Black Steel Plug	14.36	6.89
23 05 19 00-0050	EA	1/4", 150 LB, Black Steel Cap	15.19	6.89
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.22	3.79
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	11.23	3.79
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.38	
23 05 19 00-0054	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve	114.92	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	87.67	17.58
23 05 19 00-0057		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	171.95	16.72
23 05 19 00-0060	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	179.58	17.59
23 05 19 00-0061	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	194.34	18.49
23 05 19 00-0062	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	216.61	24.91
23 05 19 00-0063	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	258.82	30.20
23 05 19 00-0064	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	292.55	38.23
23 05 19 00-0065	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	417.01	44.20
23 05 19 00-0066	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	461.25	52.24
23 05 19 00-0067		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0068	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	224.78	16.72
23 05 19 00-0069	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	231.23	17.59
23 05 19 00-0070	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	249.52	18.49
23 05 19 00-0071	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	263.57	24.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0072	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	278.78	30.20
23 05 19 00-0073	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	300.76	38.23
23 05 19 00-0074	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	576.66	44.20
23 05 19 00-0075	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	616.20	52.24
23 05 19 00-0076		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator *(23 05 19 00-0057)*		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	326.91	16.72
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	345.10	17.59
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	375.12	18.49
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	406.79	24.91
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	466.60	30.20
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	492.11	38.23
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	999.27	44.20
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,050.54	52.24
23 05 19 00-0085		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	221.25	16.72
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	230.06	17.59
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	243.65	18.49
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	262.40	24.91
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	277.60	30.20
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	300.76	38.23
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	569.62	44.20
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	606.81	52.24
23 05 19 00-0094		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	324.56	16.72
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	349.80	17.59
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	382.17	18.49
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	406.79	24.91
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	466.60	30.20
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	496.81	38.23
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	999.27	44.20
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,050.54	52.24
23 05 19 00-0103		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	475.99	30.20
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	534.37	38.23
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	607.18	44.20
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	681.94	52.24
23 05 19 00-0108		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,046.18	120.56
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,166.28	153.06
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,723.44	179.75
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,596.88	301.33
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,228.76	372.27
23 05 19 00-0114		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	803.27	86.11
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	948.88	100.46
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,022.11	120.56
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,280.74	153.06
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,863.72	179.75
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,748.90	301.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0121		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0122		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0121)*		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter	312.13	78.11
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter	344.20	93.73
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	379.57	104.18
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	427.82	117.17
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter	509.71	133.94
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	699.59	187.70
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0129		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0121)*		
23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	2,623.21	160.94
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*805.46*	
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	3,684.82	193.13
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,154.49*	
23 05 19 00-0132	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	4,855.33	241.41
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,530.38*	
23 05 19 00-0133	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	5,706.68	321.89
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,772.02*	
23 05 19 00-0134	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	8,520.29	386.27
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,711.72*	
23 05 19 00-0135	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	14,236.58	482.83
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,644.82*	
23 05 19 00-0136	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	21,490.13	695.99
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*7,034.36*	
23 05 19 00-0137	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	30,010.59	1,043.98
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*9,772.92*	
23 05 19 00-0138	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	45,661.41	1,159.97
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*15,169.51*	
23 05 19 00-0139		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0140	EA	Saddle Mount Turbine Flowmeter	1,911.88	86.15
23 05 19 00-0141		**Water Flow Switches** *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	292.23	33.85
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	302.97	33.85
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	393.64	33.85
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	407.37	33.85
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	316.70	33.85
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	329.22	33.85
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	418.11	33.85
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	430.63	33.85
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	833.86	33.85
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	845.99	33.85
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	961.25	33.85
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	977.94	33.85
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	862.67	33.85
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	879.35	33.85
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	990.07	33.85
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,008.27	33.85
23 05 19 00-0158		**Sight Glass** *(23 05 19)*		
23 05 19 00-0159		**In-Line, 316L Stainless Steel Body, Sight Glass With Clamp** *(23 05 19 00-0158)*		
23 05 19 00-0160	EA	1" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R100)	536.85	30.20
23 05 19 00-0161	EA	1-1/2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R150)	624.20	44.20
23 05 19 00-0162	EA	2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R200)	672.19	52.24
23 05 19 00-0163	EA	2-1/2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250)	851.30	62.23
23 05 19 00-0164	EA	3" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250)	1,276.22	63.97
23 05 19 00-0165	EA	4" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R400)	1,549.51	94.37

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA	1/4" Diameter, 125 LB, Threaded Bronze Gate Valve		65.41	11.48
		For 150 LB Rating, Add		*3.20*	
		For 200 LB Rating, Add		*4.80*	
		For 250 LB Rating, Add		*8.00*	
		For 300 LB Rating, Add		*11.19*	
		For Work In Restricted Working Space, Add		*10.03*	
23 05 23 00-0004	EA	3/8" Diameter, 125 LB, Threaded Bronze Gate Valve		67.17	11.48
		For 150 LB Rating, Add		*3.20*	
		For 200 LB Rating, Add		*4.80*	
		For 250 LB Rating, Add		*8.00*	
		For 300 LB Rating, Add		*11.19*	
		For Work In Restricted Working Space, Add		*10.56*	
23 05 23 00-0005	EA	1/2" Diameter, 125 LB, Threaded Bronze Gate Valve		69.02	11.48
		For 150 LB Rating, Add		*3.20*	
		For 200 LB Rating, Add		*4.80*	
		For 250 LB Rating, Add		*8.00*	
		For 300 LB Rating, Add		*11.19*	
		For Work In Restricted Working Space, Add		*11.11*	
23 05 23 00-0006	EA	3/4" Diameter, 125 LB, Threaded Bronze Gate Valve		88.08	12.63
		For 150 LB Rating, Add		*3.82*	
		For 200 LB Rating, Add		*5.72*	
		For 250 LB Rating, Add		*9.54*	
		For 300 LB Rating, Add		*13.36*	
		For Work In Restricted Working Space, Add		*14.98*	
23 05 23 00-0007	EA	1" Diameter, 125 LB, Threaded Bronze Gate Valve		118.08	14.35
		For 150 LB Rating, Add		*5.77*	
		For 200 LB Rating, Add		*8.65*	
		For 250 LB Rating, Add		*14.41*	
		For 300 LB Rating, Add		*20.18*	
		For Work In Restricted Working Space, Add		*18.13*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve		154.28	15.28
		For 150 LB Rating, Add		*7.77*	
		For 200 LB Rating, Add		*11.66*	
		For 250 LB Rating, Add		*19.43*	
		For 300 LB Rating, Add		*27.21*	
		For Work In Restricted Working Space, Add		*22.97*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve		186.27	17.68
		For 150 LB Rating, Add		*9.80*	
		For 200 LB Rating, Add		*14.69*	
		For 250 LB Rating, Add		*24.49*	
		For 300 LB Rating, Add		*34.28*	
		For Work In Restricted Working Space, Add		*26.50*	
23 05 23 00-0010	EA	2" Diameter, 125 LB, Threaded Bronze Gate Valve		238.21	20.89
		For 150 LB Rating, Add		*13.38*	
		For 200 LB Rating, Add		*20.07*	
		For 250 LB Rating, Add		*33.46*	
		For 300 LB Rating, Add		*46.84*	
		For Work In Restricted Working Space, Add		*31.31*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve		522.66	28.23
		For Chain Operated Type, Add		*171.76*	
		For 150 LB Rating, Add		*38.17*	
		For 200 LB Rating, Add		*57.25*	
		For 250 LB Rating, Add		*95.42*	
		For 300 LB Rating, Add		*133.59*	
		For Work In Restricted Working Space, Add		*42.29*	
23 05 23 00-0012	EA	3" Diameter, 125 LB, Threaded Bronze Gate Valve		618.92	32.78
		For Chain Operated Type, Add		*205.31*	
		For 150 LB Rating, Add		*45.63*	
		For 200 LB Rating, Add		*68.44*	
		For 250 LB Rating, Add		*114.06*	
		For 300 LB Rating, Add		*159.69*	
		For Work In Restricted Working Space, Add		*48.80*	
23 05 23 00-0013	EA	4" Diameter, 125 LB, Threaded Bronze Gate Valve		1,271.94	37.00
		For Chain Operated Type, Add		*489.11*	
		For 150 LB Rating, Add		*108.69*	
		For 200 LB Rating, Add		*163.04*	
		For 250 LB Rating, Add		*271.73*	
		For 300 LB Rating, Add		*380.42*	
		For Work In Restricted Working Space, Add		*55.51*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	277.23	17.68
		For 150 LB Rating, Add	*37.78*	
		For 250 LB Rating, Add	*66.12*	
		For Chain Operated Type, Add	*66.12*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	423.60	20.89
		For 150 LB Rating, Add	*63.84*	
		For 250 LB Rating, Add	*111.73*	
		For Chain Operated Type, Add	*111.73*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	621.08	28.23
		For 150 LB Rating, Add	*96.02*	
		For 250 LB Rating, Add	*168.04*	
		For Chain Operated Type, Add	*168.04*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	792.59	32.78
		For 150 LB Rating, Add	*125.98*	
		For 250 LB Rating, Add	*220.47*	
		For Chain Operated Type, Add	*220.47*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,880.71	37.00
		For 150 LB Rating, Add	*339.14*	
		For 250 LB Rating, Add	*593.49*	
		For Chain Operated Type, Add	*593.49*	
		For Work In Restricted Working Space, Add	*55.51*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	607.24	120.56
		For 150 LB Rating, Add	*132.29*	
		For 250 LB Rating, Add	*228.08*	
		For 300 LB Rating, ASTM A182, Add	*531.70*	
		For Chain Operated Type, Add	*228.08*	
		For Work In Restricted Working Space, Add	*45.32*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	668.44	153.06
		For 150 LB Rating, Add	*138.35*	
		For 250 LB Rating, Add	*238.54*	
		For 300 LB Rating, ASTM A182, Add	*572.76*	
		For Chain Operated Type, Add	*238.54*	
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	764.64	153.31
		For 150 LB Rating, Add	*166.00*	
		For 250 LB Rating, Add	*286.20*	
		For 300 LB Rating, ASTM A182, Add	*668.52*	
		For Chain Operated Type, Add	*286.20*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	940.42	179.75
		For 150 LB Rating, Add	*207.48*	
		For 250 LB Rating, Add	*357.73*	
		For 300 LB Rating, ASTM A182, Add	*827.94*	
		For Chain Operated Type, Add	*357.73*	
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,331.62	301.33
		For 150 LB Rating, Add	*276.66*	
		For 250 LB Rating, Add	*477.00*	
		For 300 LB Rating, ASTM A182, Add	*1,142.81*	
		For Chain Operated Type, Add	*477.00*	
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,658.25	335.04
		For 150 LB Rating, Add	*359.63*	
		For 250 LB Rating, Add	*620.05*	
		For 300 LB Rating, ASTM A182, Add	*1,449.17*	
		For Chain Operated Type, Add	*620.05*	
		For Work In Restricted Working Space, Add	*125.45*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,993.10	372.27
		For 150 LB Rating, Add	*442.57*	
		For 250 LB Rating, Add	*763.05*	
		For 300 LB Rating, ASTM A182, Add	*1,759.60*	
		For Chain Operated Type, Add	*763.05*	
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,118.88	475.68
		For 150 LB Rating, Add	*733.12*	
		For 250 LB Rating, Add	*1,264.00*	
		For 300 LB Rating, ASTM A182, Add	*2,823.44*	
		For Chain Operated Type, Add	*1,264.00*	
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,062.46	579.08
		For 150 LB Rating, Add	*968.20*	
		For 250 LB Rating, Add	*1,669.31*	
		For 300 LB Rating, ASTM A182, Add	*3,700.54*	
		For Chain Operated Type, Add	*1,669.31*	
		For Work In Restricted Working Space, Add	*217.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,647.10	703.16
		For 150 LB Rating, Add	*1,383.22*	
		For 250 LB Rating, Add	*2,384.86*	
		For 300 LB Rating, ASTM A182, Add	*5,208.41*	
		For Chain Operated Type, Add	*2,384.86*	
		For Work In Restricted Working Space, Add	*263.22*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	551.40	17.68
		For 175 LB Rating, Add	*231.54*	
		For 250 LB Rating, Add	*347.31*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0033	EA	2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	703.02	20.89
		For 175 LB Rating, Add	*299.32*	
		For 250 LB Rating, Add	*448.98*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	816.02	28.23
		For 175 LB Rating, Add	*337.52*	
		For 250 LB Rating, Add	*506.28*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0035	EA	3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	907.51	32.78
		For 175 LB Rating, Add	*372.42*	
		For 250 LB Rating, Add	*558.63*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0036	EA	4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,213.55	37.00
		For 175 LB Rating, Add	*514.26*	
		For 250 LB Rating, Add	*771.39*	
		For Work In Restricted Working Space, Add	*55.51*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	808.67	120.56
		For 150 LB Rating, Add	*98.64*	
		For 175 LB Rating, Add	*203.85*	
		For 250 LB Rating, Add	*427.43*	
		For Chain Operated Type, Add	*328.80*	
		For Work In Restricted Working Space, Add	*45.32*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	868.49	153.06
		For 150 LB Rating, Add	*101.57*	
		For 175 LB Rating, Add	*209.91*	
		For 250 LB Rating, Add	*440.13*	
		For Chain Operated Type, Add	*338.57*	
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	891.47	153.31
		For 150 LB Rating, Add	*104.88*	
		For 175 LB Rating, Add	*216.76*	
		For 250 LB Rating, Add	*454.50*	
		For Chain Operated Type, Add	*349.62*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	994.30	179.75
		For 150 LB Rating, Add	*115.40*	
		For 175 LB Rating, Add	*238.50*	
		For 250 LB Rating, Add	*500.07*	
		For Chain Operated Type, Add	*384.67*	
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,310.63	301.33
		For 150 LB Rating, Add	*139.95*	
		For 175 LB Rating, Add	*289.23*	
		For 250 LB Rating, Add	*606.46*	
		For Chain Operated Type, Add	*466.51*	
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,719.91	335.04
		For 150 LB Rating, Add	*195.26*	
		For 175 LB Rating, Add	*403.54*	
		For 250 LB Rating, Add	*846.14*	
		For Chain Operated Type, Add	*650.88*	
		For Work In Restricted Working Space, Add	*125.45*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,953.65	372.27
		For 150 LB Rating, Add	*223.00*	
		For 175 LB Rating, Add	*460.86*	
		For 250 LB Rating, Add	*966.32*	
		For Chain Operated Type, Add	*743.33*	
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,105.22	475.68
		For 150 LB Rating, Add	*377.15*	
		For 175 LB Rating, Add	*779.44*	
		For 250 LB Rating, Add	*1,634.31*	
		For Chain Operated Type, Add	*1,257.17*	
		For Work In Restricted Working Space, Add	*177.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,593.38	579.08
		For 150 LB Rating, Add	*580.43*	
		For 175 LB Rating, Add	*1,199.56*	
		For 250 LB Rating, Add	*2,515.20*	
		For Chain Operated Type, Add	*1,934.77*	
		For Work In Restricted Working Space, Add	*217.15*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,781.71	703.16
		For 150 LB Rating, Add	*735.65*	
		For 175 LB Rating, Add	*1,520.34*	
		For 250 LB Rating, Add	*3,187.81*	
		For Chain Operated Type, Add	*2,452.16*	
		For Work In Restricted Working Space, Add	*263.22*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	11,710.88	1,001.96
		For 150 LB Rating, Add	*1,568.76*	
		For 175 LB Rating, Add	*3,242.11*	
		For 250 LB Rating, Add	*6,797.98*	
		For Work In Restricted Working Space, Add	*375.74*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,288.45	1,102.15
		For 150 LB Rating, Add	*2,086.61*	
		For 175 LB Rating, Add	*4,312.34*	
		For 250 LB Rating, Add	*9,041.99*	
		For Work In Restricted Working Space, Add	*413.31*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	21,003.29	1,222.39
		For 150 LB Rating, Add	*2,921.30*	
		For 175 LB Rating, Add	*6,037.35*	
		For 250 LB Rating, Add	*12,658.95*	
		For Work In Restricted Working Space, Add	*458.39*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	26,757.96	1,377.69
		For 150 LB Rating, Add	*3,755.38*	
		For 175 LB Rating, Add	*7,761.11*	
		For 250 LB Rating, Add	*16,273.30*	
		For Work In Restricted Working Space, Add	*516.63*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	36,651.00	1,690.81
		For 150 LB Rating, Add	*5,180.63*	
		For 175 LB Rating, Add	*10,706.63*	
		For 250 LB Rating, Add	*22,449.38*	
		For Work In Restricted Working Space, Add	*634.05*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	76,836.42	2,755.38
		For 150 LB Rating, Add	*11,008.83*	
		For 175 LB Rating, Add	*22,751.58*	
		For 250 LB Rating, Add	*47,704.92*	
		For Work In Restricted Working Space, Add	*1,033.27*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	97,843.56	3,673.85
		For 150 LB Rating, Add	*13,987.69*	
		For 175 LB Rating, Add	*28,907.89*	
		For 250 LB Rating, Add	*60,613.31*	
		For Work In Restricted Working Space, Add	*1,377.69*	
23 05 23 00-0055	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	114,626.22	4,666.47
		For 150 LB Rating, Add	*16,318.97*	
		For 175 LB Rating, Add	*33,725.87*	
		For 250 LB Rating, Add	*70,715.53*	
		For Work In Restricted Working Space, Add	*1,749.93*	
23 05 23 00-0056	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	137,766.37	5,833.10
		For 150 LB Rating, Add	*19,571.25*	
		For 175 LB Rating, Add	*40,447.25*	
		For 250 LB Rating, Add	*84,808.75*	
		For Work In Restricted Working Space, Add	*2,187.41*	
23 05 23 00-0057	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	165,319.65	6,999.71
		For 150 LB Rating, Add	*23,485.50*	
		For 175 LB Rating, Add	*48,536.70*	
		For 250 LB Rating, Add	*101,770.50*	
		For Work In Restricted Working Space, Add	*2,624.90*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 psig at 850 degrees F.

23 05 23 00-0059	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	166.14	11.48
		For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0060	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	169.75	11.48
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0061	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	200.44	12.63
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0062	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	243.32	14.35
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0063	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	371.63	15.28
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0064	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	439.53	17.68
		For Work In Restricted Working Space, Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0065	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	552.69	20.89
		For Work In Restricted Working Space, Add	*31.31*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

23 05 23 00-0067 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 LB WSP.

23 05 23 00-0068	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	51.38	11.48
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.45*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0069	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	71.98	12.63
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*9.93*	
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0070	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	90.21	14.35
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*13.40*	
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0071	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	126.55	15.28
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*22.50*	
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0072	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	152.18	17.68
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*28.74*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0073	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	184.37	20.89
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*36.00*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0074	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	518.47	28.23
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*169.87*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0075	EA	3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	598.22	32.78
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*196.00*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0076	EA	4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	778.84	37.00
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*267.21*	
		For Work In Restricted Working Space, Add	*55.51*	

23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0078	EA	1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	60.88	11.48
		For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0079	EA	1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	66.84	11.48
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0080	EA	3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	93.02	12.63
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0081	EA	1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	118.38	14.35
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0082	EA	1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	175.60	15.28
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0083	EA	1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	213.80	17.68
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0084	EA	2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	277.15	20.89
		For Work In Restricted Working Space, Add	*31.31*	

23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	493.58	120.56
		For 150 LB Rating, Add	*99.33*	
		For 250 LB Rating, Add	*171.25*	
		For 300 LB Rating, ASTM A182, Add	*418.04*	
		For Chain Operated Type, Add	*171.25*	
		For Work In Restricted Working Space, Add	*45.32*	
		For Work In Restricted Working Space, Add	*45.32*	
23 05 23 00-0087	EA	2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	616.26	153.06
		For 150 LB Rating, Add	*123.22*	
		For 250 LB Rating, Add	*212.45*	
		For 300 LB Rating, ASTM A182, Add	*520.58*	
		For Chain Operated Type, Add	*212.45*	
		For Work In Restricted Working Space, Add	*57.41*	
		For Work In Restricted Working Space, Add	*57.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0088	EA	2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	968.42	153.31
		For 150 LB Rating, Add	*225.09*	
		For 250 LB Rating, Add	*388.09*	
		For 300 LB Rating, ASTM A182, Add	*872.30*	
		For Chain Operated Type, Add	*388.09*	
		For Work In Restricted Working Space, Add	*57.67*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0089	EA	3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,064.17	179.75
		For 150 LB Rating, Add	*243.37*	
		For 250 LB Rating, Add	*419.61*	
		For 300 LB Rating, ASTM A182, Add	*951.69*	
		For Chain Operated Type, Add	*419.61*	
		For Work In Restricted Working Space, Add	*67.49*	
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0090	EA	4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,556.37	301.33
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0091	EA	6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	3,663.00	372.27
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0092	EA	8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	6,261.51	475.68
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0093		Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0094	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	48.43	11.48
		For True Union Socket Or Thread Type, Add	*6.50*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0095	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.03	12.63
		For True Union Socket Or Thread Type, Add	*7.86*	
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0096	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	78.69	14.35
		For True Union Socket Or Thread Type, Add	*10.48*	
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0097	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	100.53	15.28
		For True Union Socket Or Thread Type, Add	*13.61*	
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0098	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	130.05	17.68
		For True Union Socket Or Thread Type, Add	*21.33*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0099	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	157.56	20.89
		For True Union Socket Or Thread Type, Add	*26.75*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0100	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	255.40	28.23
		For True Union Socket Or Thread Type, Add	*53.17*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0101	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	357.23	32.78
		For True Union Socket Or Thread Type, Add	*86.36*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0102	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	557.03	37.00
		For True Union Socket Or Thread Type, Add	*158.51*	
		For Work In Restricted Working Space, Add	*55.51*	
23 05 23 00-0103		Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0104	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	93.30	17.22
		For Full Port, Add	*19.41*	
		For Work In Restricted Working Space, Add	*15.05*	
23 05 23 00-0105	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	95.93	17.22
		For Full Port, Add	*19.41*	
		For Work In Restricted Working Space, Add	*15.84*	
23 05 23 00-0106	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	98.69	17.22
		For Full Port, Add	*19.41*	
		For Work In Restricted Working Space, Add	*16.67*	
23 05 23 00-0107	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	120.62	18.94
		For Full Port, Add	*20.58*	
		For Work In Restricted Working Space, Add	*22.46*	
23 05 23 00-0108	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	158.41	21.53
		For Full Port, Add	*30.49*	
		For Work In Restricted Working Space, Add	*27.20*	
23 05 23 00-0109	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	207.56	22.91
		For Full Port, Add	*41.73*	
		For Work In Restricted Working Space, Add	*34.45*	
23 05 23 00-0110	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	255.78	26.52
		For Full Port, Add	*55.49*	
		For Work In Restricted Working Space, Add	*39.74*	
23 05 23 00-0111	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	357.24	31.35
		For Full Port, Add	*90.30*	
		For Work In Restricted Working Space, Add	*46.97*	
23 05 23 00-0112	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	698.45	42.34
		For Full Port, Add	*219.14*	
		For Work In Restricted Working Space, Add	*63.44*	
23 05 23 00-0113	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,017.30	49.16
		For Full Port, Add	*347.98*	
		For Work In Restricted Working Space, Add	*73.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0114		Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0115	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	172.76	11.48
23 05 23 00-0116	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	221.56	14.92
23 05 23 00-0117	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	285.64	18.37
23 05 23 00-0118	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	389.99	25.26
23 05 23 00-0119	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	487.94	29.39
23 05 23 00-0120	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	644.29	34.45
23 05 23 00-0121		Plastic Ball Valves *(23 05 23 00-0066)* Note: Threaded or socket.		
23 05 23 00-0122		Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0123	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	72.51	11.48
23 05 23 00-0124	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	75.72	11.48
23 05 23 00-0125	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	95.82	12.63
23 05 23 00-0126	EA	1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	124.70	14.35
23 05 23 00-0127	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	148.24	15.28
23 05 23 00-0128	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	179.66	17.68
23 05 23 00-0129	EA	2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	218.92	20.89
23 05 23 00-0130		Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0131	EA	3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	109.01	11.48
23 05 23 00-0132	EA	1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	110.56	11.48
23 05 23 00-0133	EA	3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	138.95	12.63
23 05 23 00-0134	EA	1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	171.57	14.35
23 05 23 00-0135	EA	1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	259.02	15.28
23 05 23 00-0136	EA	1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	287.38	17.68
23 05 23 00-0137	EA	2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	344.91	20.89
23 05 23 00-0138		Viton Liner And Seals, Polypropylene (PP) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0139	EA	3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	121.45	11.48
23 05 23 00-0140	EA	1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	131.29	11.48
23 05 23 00-0141	EA	3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	150.56	12.63
23 05 23 00-0142	EA	1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	184.84	14.35
23 05 23 00-0143	EA	1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	232.48	15.28
23 05 23 00-0144	EA	1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	279.08	17.68
23 05 23 00-0145	EA	2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	361.49	20.89
23 05 23 00-0146		Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0147	EA	3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	244.20	11.48
23 05 23 00-0148	EA	1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	260.68	11.48
23 05 23 00-0149	EA	3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	309.80	12.63
23 05 23 00-0150	EA	1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	362.33	14.35
23 05 23 00-0151	EA	1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	441.49	15.28
23 05 23 00-0152	EA	1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	486.43	17.68
23 05 23 00-0153	EA	2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	560.55	20.89
23 05 23 00-0154		Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0155	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	49.43	11.48
23 05 23 00-0156	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	66.21	12.63
23 05 23 00-0157	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	80.34	14.35
23 05 23 00-0158	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	111.72	15.28
23 05 23 00-0159	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	123.49	17.68
23 05 23 00-0160	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	150.74	20.89
23 05 23 00-0161		Plastic, True Union, Ball Valves *(23 05 23 00-0066)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0162		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0163	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	118.13	11.48
23 05 23 00-0164	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	123.00	11.48
23 05 23 00-0165	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	148.90	12.63
23 05 23 00-0166	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	183.18	14.35
23 05 23 00-0167	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	220.87	15.28
23 05 23 00-0168	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	254.20	17.68
23 05 23 00-0169	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	311.73	20.89
23 05 23 00-0170		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0171	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	119.79	11.48
23 05 23 00-0172	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	139.59	11.48
23 05 23 00-0173	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	150.56	12.63
23 05 23 00-0174	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	183.18	14.35
23 05 23 00-0175	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	217.55	15.28
23 05 23 00-0176	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	252.54	17.68
23 05 23 00-0177	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	311.73	20.89
23 05 23 00-0178		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0179	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	64.94	11.48
23 05 23 00-0180	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	83.38	12.63
23 05 23 00-0181	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	100.24	14.35
23 05 23 00-0182	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	132.12	15.28
23 05 23 00-0183	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	154.67	17.68
23 05 23 00-0184	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	212.20	20.89
23 05 23 00-0185	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	296.91	28.23
23 05 23 00-0186	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	375.00	32.78
23 05 23 00-0187	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	533.38	37.00
23 05 23 00-0188		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves *(23 05 23 00-0161)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0189	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	76.55	11.48
23 05 23 00-0190	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	99.96	12.63
23 05 23 00-0191	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	123.46	14.35
23 05 23 00-0192	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	172.76	15.28
23 05 23 00-0193	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	189.51	17.68
23 05 23 00-0194	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	243.72	20.89
23 05 23 00-0195	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	422.98	28.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0196	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	494.43	32.78
23 05 23 00-0197	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	765.61	37.00
23 05 23 00-0198		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0161)*		
23 05 23 00-0199		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
23 05 23 00-0200	EA	1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	62.87	11.48
23 05 23 00-0201	EA	3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	64.63	11.48
23 05 23 00-0202	EA	1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	66.18	11.48
23 05 23 00-0203	EA	3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	84.37	12.63
23 05 23 00-0204	EA	1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	103.32	14.35
23 05 23 00-0205	EA	1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	126.02	15.28
23 05 23 00-0206	EA	1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	151.68	17.68
23 05 23 00-0207	EA	2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	193.96	20.89
23 05 23 00-0208	EA	2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	362.43	28.23
23 05 23 00-0209	EA	3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	403.20	32.78
23 05 23 00-0210	EA	4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	559.09	37.00
23 05 23 00-0211		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
23 05 23 00-0212	EA	1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	62.87	11.48
23 05 23 00-0213	EA	3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	64.63	11.48
23 05 23 00-0214	EA	1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	66.18	11.48
23 05 23 00-0215	EA	3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	84.37	12.63
23 05 23 00-0216	EA	1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	103.32	14.35
23 05 23 00-0217	EA	1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	126.02	15.28
23 05 23 00-0218	EA	1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	151.68	17.68
23 05 23 00-0219	EA	2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	193.96	20.89
23 05 23 00-0220	EA	2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	362.43	28.23
23 05 23 00-0221	EA	3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	403.20	32.78
23 05 23 00-0222	EA	4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	559.09	37.00
23 05 23 00-0223		Globe Valves *(23 05 23)*		
23 05 23 00-0224		Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves *(23 05 23 00-0223)*		
23 05 23 00-0225	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	73.45	11.48
		For 150 LB Rating, Add	*11.29*	
		For 200 LB Rating, Add	*13.84*	
		For 250 LB Rating, Add	*16.38*	
		For 300 LB Rating, Add	*20.03*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0226	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	69.84	11.48
		For 150 LB Rating, Add	*11.29*	
		For 200 LB Rating, Add	*13.84*	
		For 250 LB Rating, Add	*16.38*	
		For 300 LB Rating, Add	*20.03*	
		For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0227	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	89.54	11.48
		For 150 LB Rating, Add	*16.85*	
		For 200 LB Rating, Add	*20.65*	
		For 250 LB Rating, Add	*24.46*	
		For 300 LB Rating, Add	*29.89*	
		For Work In Restricted Working Space, Add	*10.56*	
23 05 23 00-0228	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	91.39	11.48
		For 150 LB Rating, Add	*16.85*	
		For 200 LB Rating, Add	*20.65*	
		For 250 LB Rating, Add	*24.46*	
		For 300 LB Rating, Add	*29.89*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*74.60*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0229	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	108.83	12.05
		For 150 LB Rating, Add	*18.26*	
		For 200 LB Rating, Add	*22.39*	
		For 250 LB Rating, Add	*26.51*	
		For 300 LB Rating, Add	*32.40*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*84.77*	
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0230	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	140.05	12.05
		For 150 LB Rating, Add	*24.68*	
		For 200 LB Rating, Add	*30.26*	
		For 250 LB Rating, Add	*35.83*	
		For 300 LB Rating, Add	*43.79*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*111.75*	
		For Work In Restricted Working Space, Add	*18.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0231	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	214.06	15.28
		For 150 LB Rating, Add	*42.63*	
		For 200 LB Rating, Add	*52.25*	
		For 250 LB Rating, Add	*61.88*	
		For 300 LB Rating, Add	*75.63*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*181.88*	
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0232	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	284.85	17.68
		For 150 LB Rating, Add	*60.92*	
		For 200 LB Rating, Add	*74.68*	
		For 250 LB Rating, Add	*88.44*	
		For 300 LB Rating, Add	*108.09*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*251.51*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0233	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	335.42	20.89
		For 150 LB Rating, Add	*71.62*	
		For 200 LB Rating, Add	*87.80*	
		For 250 LB Rating, Add	*103.97*	
		For 300 LB Rating, Add	*127.07*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*295.90*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0234	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	373.91	28.23
		For 150 LB Rating, Add	*72.21*	
		For 200 LB Rating, Add	*88.51*	
		For 250 LB Rating, Add	*104.82*	
		For 300 LB Rating, Add	*128.11*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0235	EA	3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	684.54	32.78
		For 150 LB Rating, Add	*161.78*	
		For 200 LB Rating, Add	*198.31*	
		For 250 LB Rating, Add	*234.84*	
		For 300 LB Rating, Add	*287.03*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0236		Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0223)*		
23 05 23 00-0237	EA	2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	510.30	20.89
		For 150 LB Rating, Add	*125.84*	
		For 200 LB Rating, Add	*154.25*	
		For 250 LB Rating, Add	*182.66*	
		For 300 LB Rating, Add	*223.26*	
		For Chain Operated Type, Add	*338.94*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0238	EA	2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	633.00	28.23
		For 150 LB Rating, Add	*152.53*	
		For 200 LB Rating, Add	*186.97*	
		For 250 LB Rating, Add	*221.41*	
		For 300 LB Rating, Add	*270.61*	
		For Chain Operated Type, Add	*410.84*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0239	EA	3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	753.09	32.78
		For 150 LB Rating, Add	*183.03*	
		For 200 LB Rating, Add	*224.36*	
		For 250 LB Rating, Add	*265.69*	
		For 300 LB Rating, Add	*324.73*	
		For Chain Operated Type, Add	*493.00*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0240	EA	4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	972.21	37.00
		For 150 LB Rating, Add	*244.04*	
		For 200 LB Rating, Add	*299.15*	
		For 250 LB Rating, Add	*354.25*	
		For 300 LB Rating, Add	*432.98*	
		For Chain Operated Type, Add	*657.34*	
		For Work In Restricted Working Space, Add	*55.49*	
23 05 23 00-0241		Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0223)*		
23 05 23 00-0242	EA	2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	582.16	153.06
		For 150 LB Rating, Add	*121.15*	
		For 250 LB Rating, Add	*175.86*	
		For Chain Operated Type, Add	*195.40*	
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0243	EA	2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	668.65	153.31
		For 150 LB Rating, Add	*147.69*	
		For 250 LB Rating, Add	*214.38*	
		For Chain Operated Type, Add	*238.21*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0244	EA	3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	796.65	179.75
		For 150 LB Rating, Add	*177.22*	
		For 250 LB Rating, Add	*257.26*	
		For Chain Operated Type, Add	*285.85*	
		For Work In Restricted Working Space, Add	*67.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0245	EA	4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,139.87	301.33
		For 150 LB Rating, Add	*236.30*	
		For 250 LB Rating, Add	*343.01*	
		For Chain Operated Type, Add	*381.13*	
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0246	EA	5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,478.17	335.04
		For 150 LB Rating, Add	*328.60*	
		For 250 LB Rating, Add	*477.00*	
		For Chain Operated Type, Add	*530.01*	
		For Work In Restricted Working Space, Add	*125.45*	
23 05 23 00-0247	EA	6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,806.90	372.27
		For 150 LB Rating, Add	*415.37*	
		For 250 LB Rating, Add	*602.96*	
		For Chain Operated Type, Add	*669.95*	
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0248	EA	8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,651.36	475.68
		For 150 LB Rating, Add	*638.75*	
		For 250 LB Rating, Add	*927.21*	
		For Chain Operated Type, Add	*1,030.24*	
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0249	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	3,862.18	579.08
		For 150 LB Rating, Add	*972.89*	
		For 250 LB Rating, Add	*1,412.25*	
		For Chain Operated Type, Add	*1,569.17*	
		For Work In Restricted Working Space, Add	*217.15*	
23 05 23 00-0250	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	6,815.99	703.16
		For 150 LB Rating, Add	*1,840.97*	
		For 250 LB Rating, Add	*2,672.37*	
		For Chain Operated Type, Add	*2,969.30*	
		For Work In Restricted Working Space, Add	*263.22*	
23 05 23 00-0251		Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves *(23 05 23 00-0223)*		
23 05 23 00-0252	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	64.62	11.48
		For 150 LB Rating, Add	*8.55*	
		For 200 LB Rating, Add	*10.48*	
		For 300 LB Rating, Add	*15.17*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0253	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	61.01	11.48
		For 150 LB Rating, Add	*8.55*	
		For 200 LB Rating, Add	*10.48*	
		For 300 LB Rating, Add	*15.17*	
		For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0254	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	62.77	11.48
		For 150 LB Rating, Add	*8.55*	
		For 200 LB Rating, Add	*10.48*	
		For 300 LB Rating, Add	*15.17*	
		For Work In Restricted Working Space, Add	*10.56*	
23 05 23 00-0255	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	66.46	11.48
		For 150 LB Rating, Add	*9.12*	
		For 200 LB Rating, Add	*11.18*	
		For 300 LB Rating, Add	*16.18*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0256	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	90.71	12.05
		For 150 LB Rating, Add	*12.64*	
		For 200 LB Rating, Add	*15.50*	
		For 300 LB Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0257	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	113.96	12.05
		For 150 LB Rating, Add	*16.59*	
		For 200 LB Rating, Add	*20.34*	
		For 300 LB Rating, Add	*29.44*	
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0258	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	156.07	15.28
		For 150 LB Rating, Add	*24.65*	
		For 200 LB Rating, Add	*30.22*	
		For 300 LB Rating, Add	*43.74*	
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0259	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	181.03	17.68
		For 150 LB Rating, Add	*28.74*	
		For 200 LB Rating, Add	*35.23*	
		For 300 LB Rating, Add	*50.99*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0260	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	244.02	20.89
		For 150 LB Rating, Add	*43.29*	
		For 200 LB Rating, Add	*53.06*	
		For 300 LB Rating, Add	*76.80*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0261	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	404.99	30.66
		For 150 LB Rating, Add	*78.09*	
		For 200 LB Rating, Add	*95.72*	
		For 300 LB Rating, Add	*138.54*	
		For Work In Restricted Working Space, Add	*45.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0262	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	603.23	35.60
		For 150 LB Rating, Add	*132.24*	
		For 200 LB Rating, Add	*162.10*	
		For 300 LB Rating, Add	*234.62*	
		For Work In Restricted Working Space, Add	*53.00*	
23 05 23 00-0263		**Flanged, 125 LB, Iron Body, Angle Globe Valves** *(23 05 23 00-0223)*		
23 05 23 00-0264	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,196.83	153.06
		For 250 LB Rating, Add	*603.28*	
		For Chain Operated Type, Add	*392.13*	
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0265	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,381.38	153.31
		For 250 LB Rating, Add	*713.48*	
		For Chain Operated Type, Add	*463.76*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0266	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,626.27	179.75
		For 250 LB Rating, Add	*840.79*	
		For Chain Operated Type, Add	*546.51*	
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0267	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,379.10	301.33
		For 250 LB Rating, Add	*1,200.89*	
		For Chain Operated Type, Add	*780.58*	
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0268	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,005.18	335.04
		For 250 LB Rating, Add	*2,152.21*	
		For Chain Operated Type, Add	*1,398.94*	
		For Work In Restricted Working Space, Add	*125.45*	
23 05 23 00-0269	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,054.02	372.27
		For 250 LB Rating, Add	*2,152.21*	
		For Chain Operated Type, Add	*1,398.94*	
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0270	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve	7,611.41	475.68
		For 250 LB Rating, Add	*4,212.31*	
		For Chain Operated Type, Add	*2,738.00*	
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0271		**Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves** *(23 05 23 00-0223)*		
		Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0272	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	209.84	18.60
		For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0273	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	213.45	18.60
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0274	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	250.61	25.03
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0275	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	309.67	30.20
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0276	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	503.82	38.23
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0277	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	604.61	44.20
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0278	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	769.57	52.24
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0279		**Triple Duty Valves** *(23 05 23)*		
		Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0280		**Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)*		
		Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0281	EA	1" Threaded, Straight Pattern, Triple Duty Valve	306.26	12.05
23 05 23 00-0282	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	354.81	15.28
23 05 23 00-0283	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	385.19	17.68
23 05 23 00-0284	EA	2" Flanged, Straight Pattern, Triple Duty Valve	998.54	153.06
23 05 23 00-0285	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	1,124.67	153.31
23 05 23 00-0286	EA	3" Flanged, Straight Pattern, Triple Duty Valve	1,231.61	179.75
23 05 23 00-0287	EA	4" Flanged, Straight Pattern, Triple Duty Valve	2,520.82	301.33
23 05 23 00-0288	EA	5" Flanged, Straight Pattern Triple Duty Valve	2,946.39	335.04
23 05 23 00-0289	EA	6" Flanged, Straight Pattern, Triple Duty Valve	3,918.39	372.27
23 05 23 00-0290	EA	8" Flanged, Straight Pattern, Triple Duty Valve	5,276.24	475.68
23 05 23 00-0291	EA	10" Flanged, Straight Pattern, Triple Duty Valve	8,461.63	579.08
23 05 23 00-0292		**Flanged, Angle Pattern, Triple Duty Valves** *(23 05 23 00-0279)*		
		Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0293	EA	2" Flanged, Angle Pattern, Triple Duty Valve	975.34	153.06
23 05 23 00-0294	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	1,096.84	153.31
23 05 23 00-0295	EA	3" Flanged, Angle Pattern, Triple Duty Valve	1,208.42	179.75
23 05 23 00-0296	EA	4" Flanged, Angle Pattern, Triple Duty Valve	2,460.51	301.33
23 05 23 00-0297	EA	5" Flanged, Angle Pattern, Triple Duty Valve	2,872.17	335.04
23 05 23 00-0298	EA	6" Flanged, Angle Pattern, Triple Duty Valve	3,222.54	372.27
23 05 23 00-0299	EA	8" Flanged, Angle Pattern, Triple Duty Valve	4,946.87	475.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0300	EA	10" Flanged, Angle Pattern, Triple Duty Valve	6,610.68	579.08
23 05 23 00-0301		**Balanced, Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)*		
		Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0302	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,129.56	179.75
23 05 23 00-0303	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,251.76	301.33
23 05 23 00-0304	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,635.58	335.04
23 05 23 00-0305	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,496.24	372.27
23 05 23 00-0306	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,701.01	475.68
23 05 23 00-0307	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,501.36	579.08
23 05 23 00-0308	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,287.40	703.16
23 05 23 00-0309	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	13,718.72	827.25
23 05 23 00-0310	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	17,184.57	909.98
23 05 23 00-0311		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)*		
		Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0312	EA	2" Grooved, Straight Pattern, Triple Duty Valve	1,062.48	28.36
23 05 23 00-0313	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	1,266.48	33.83
23 05 23 00-0314	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,474.51	36.69
23 05 23 00-0315	EA	4" Grooved, Straight Pattern, Triple Duty Valve	2,448.80	39.54
23 05 23 00-0316	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,838.77	52.74
23 05 23 00-0317	EA	6" Grooved, Straight Pattern Triple Duty Valve	3,784.67	67.63
23 05 23 00-0318	EA	8" Grooved, Straight Pattern Triple Duty Valve	5,147.57	85.83
23 05 23 00-0319	EA	10" Grooved, Straight Pattern Triple Duty Valve	8,123.78	96.17
23 05 23 00-0320	EA	12" Grooved, Straight Pattern Triple Duty Valve	12,899.10	117.26
23 05 23 00-0321		**Plug Valves** *(23 05 23)*		
23 05 23 00-0322		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0321)*		
		Note: Includes wrench.		
23 05 23 00-0323	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	295.08	11.48
23 05 23 00-0324	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	307.96	12.63
23 05 23 00-0325	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	389.56	14.35
23 05 23 00-0326	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	466.24	15.28
23 05 23 00-0327	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	512.24	17.68
23 05 23 00-0328	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	604.65	20.89
23 05 23 00-0329	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	907.19	28.23
23 05 23 00-0330	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,110.56	32.78
23 05 23 00-0331		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0321)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0332	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	608.69	153.06
23 05 23 00-0333	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	741.96	153.31
23 05 23 00-0334	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	915.71	179.75
23 05 23 00-0335	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,313.01	301.33
23 05 23 00-0336	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,962.33	372.27
23 05 23 00-0337	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	5,086.52	475.68
23 05 23 00-0338	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	8,215.60	579.08
23 05 23 00-0339	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	12,248.86	703.16
23 05 23 00-0340	EA	14" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	20,034.13	1,001.96
23 05 23 00-0341	EA	16" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	21,417.11	1,102.15
23 05 23 00-0342	EA	18" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	25,780.98	1,222.39
23 05 23 00-0343	EA	20" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	33,147.40	1,377.69
23 05 23 00-0344	EA	24" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	41,601.38	1,690.81
23 05 23 00-0345		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0321)*		
23 05 23 00-0346	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,140.76	11.48
23 05 23 00-0347	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,347.56	12.63
23 05 23 00-0348	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,523.27	14.35
23 05 23 00-0349	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,827.49	15.28
23 05 23 00-0350	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,128.16	17.68
23 05 23 00-0351	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,800.22	20.89
23 05 23 00-0352		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0321)*		
23 05 23 00-0353	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,166.00	301.33
23 05 23 00-0354	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,818.87	372.27
23 05 23 00-0355	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,475.25	475.68
23 05 23 00-0356	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,512.89	579.08
23 05 23 00-0357	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,537.51	703.16
23 05 23 00-0358		**Foot Valves** *(23 05 23)*		
23 05 23 00-0359		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0358)*		
23 05 23 00-0360	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	95.61	28.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0361	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	108.80	32.16
23 05 23 00-0362	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	139.86	36.76
23 05 23 00-0363	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	184.51	41.35
23 05 23 00-0364	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	422.70	67.77
23 05 23 00-0365	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	540.79	82.70
23 05 23 00-0366		Double Poppet Foot Valves, Metal To Metal Seat Construction *(23 05 23 00-0358)*		
23 05 23 00-0367	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	95.61	28.72
23 05 23 00-0368	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	206.91	32.16
23 05 23 00-0369	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	196.46	36.76
23 05 23 00-0370	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	267.48	41.35
23 05 23 00-0371	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	525.58	67.77
23 05 23 00-0372	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	715.35	81.56
23 05 23 00-0373		Float Valves *(23 05 23)*		
23 05 23 00-0374		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0373)*		
23 05 23 00-0375		Single Seat, Bronze Construction *(23 05 23 00-0374)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0376	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	225.59	24.12
23 05 23 00-0377	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	258.51	28.71
23 05 23 00-0378	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	335.95	31.00
23 05 23 00-0379	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	561.54	39.04
23 05 23 00-0380	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	573.02	44.78
23 05 23 00-0381		Double Seat, Bronze Construction *(23 05 23 00-0374)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0382	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,218.63	24.12
23 05 23 00-0383	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,227.82	28.71
23 05 23 00-0384	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,417.47	31.00
23 05 23 00-0385	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,566.55	39.04
23 05 23 00-0386	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,790.83	44.78
23 05 23 00-0387	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,349.56	52.81
23 05 23 00-0388	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,731.50	70.84
23 05 23 00-0389	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	3,285.70	81.41
23 05 23 00-0390		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0373)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0391		Brass Body Threaded Ends *(23 05 23 00-0390)*		
23 05 23 00-0392	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	237.06	31.11
23 05 23 00-0393	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	268.05	34.56
23 05 23 00-0394	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	332.31	38.23
23 05 23 00-0395	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	531.13	61.78
23 05 23 00-0396	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	555.92	70.39
23 05 23 00-0397	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	625.41	87.26
23 05 23 00-0398		Cast Iron Body Flanged *(23 05 23 00-0390)*		
23 05 23 00-0399	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	7,671.70	153.31
23 05 23 00-0400	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	9,276.54	179.75
23 05 23 00-0401		Float Operated Valves *(23 05 23 00-0373)*		
23 05 23 00-0402		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0401)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0403	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	852.56	53.96
23 05 23 00-0404		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0401)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0405	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,071.23	100.44
23 05 23 00-0406		Needle Valves *(23 05 23)*		
23 05 23 00-0407		Bronze Needle Valve *(23 05 23 00-0406)*		
		Note: For heating and cooling applications.		
23 05 23 00-0408	EA	1/4" Needle Valve, Bronze	117.27	11.48
23 05 23 00-0409	EA	3/8" Needle Valve, Bronze	130.85	11.48
23 05 23 00-0410	EA	1/2" Needle Valve, Bronze	143.18	11.48
23 05 23 00-0411	EA	3/4" Needle Valve, Bronze	217.56	12.63
23 05 23 00-0412	EA	1" Needle Valve, Bronze	333.88	14.35
23 05 23 00-0413		Eccentric Valves With Taps *(23 05 23)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0414			Screwed Eccentric Valves With Taps *(23 05 23 00-0413)*		
23 05 23 00-0415		EA	1/2" Diameter Eccentric Valves With Taps, Screwed	533.21	11.48
23 05 23 00-0416		EA	3/4" Diameter Eccentric Valves With Taps, Screwed	553.72	12.63
23 05 23 00-0417		EA	1" Diameter Eccentric Valves With Taps, Screwed	701.63	14.35
23 05 23 00-0418		EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	847.52	15.28
23 05 23 00-0419		EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	920.36	17.68
23 05 23 00-0420		EA	2" Diameter Eccentric Valves With Taps, Screwed	1,081.45	20.89
23 05 23 00-0421		EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	1,652.39	28.23
23 05 23 00-0422		EA	3" Diameter Eccentric Valves With Taps, Screwed	2,017.58	32.78
23 05 23 00-0423			Flanged Eccentric Valves With Taps *(23 05 23 00-0413)*		
23 05 23 00-0424		EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	1,986.08	153.31
23 05 23 00-0425		EA	3" Diameter Eccentric Valves With Taps, Flanged	2,362.30	179.75
23 05 23 00-0426		EA	4" Diameter Eccentric Valves With Taps, Flanged	3,087.46	301.33
23 05 23 00-0427		EA	5" Diameter Eccentric Valves With Taps, Flanged	4,234.84	335.04
23 05 23 00-0428		EA	6" Diameter Eccentric Valves With Taps, Flanged	5,428.68	372.27
23 05 23 00-0429		EA	8" Diameter Eccentric Valves With Taps, Flanged	9,560.09	475.68
23 05 23 00-0430		EA	10" Diameter Eccentric Valves With Taps, Flanged	13,509.72	579.08
23 05 23 00-0431		EA	12" Diameter Eccentric Valves With Taps, Flanged	23,586.64	703.16
23 05 23 00-0432			Earthquake-Sensitive Gas Shut-Off Valve *(23 05 23)*		
23 05 23 00-0433			0.5 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0432)*		
23 05 23 00-0434		EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	164.28	12.63
23 05 23 00-0435		EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	186.33	14.35
23 05 23 00-0436			7 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0432)*		
23 05 23 00-0437		EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	218.19	15.28
23 05 23 00-0438		EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	292.91	17.68
23 05 23 00-0439			60 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0432)*		
23 05 23 00-0440		EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	202.05	12.63
23 05 23 00-0441		EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	212.56	14.35
23 05 23 00-0442		EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	239.18	15.28
23 05 23 00-0443		EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	324.39	17.68
23 05 23 00-0444		EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	733.90	20.89
23 05 23 00-0445		EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	874.92	28.13
23 05 23 00-0446		EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,133.18	32.78
23 05 23 00-0447		EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,312.94	37.00
23 05 23 00-0448			60 PSI Flanged Earthquake Gas Shutoff Valves *(23 05 23 00-0432)*		
23 05 23 00-0449		EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,030.72	153.06
23 05 23 00-0450		EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,268.91	179.75
23 05 23 00-0451		EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,794.04	301.33
23 05 23 00-0452		EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,932.62	372.27
23 05 23 00-0453		EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	7,830.37	475.68
23 05 23 00-0454			Emergency Shut-Off Valve With Fusible Link *(23 05 23)*		
23 05 23 00-0455			Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) *(23 05 23 00-0454)*		
			Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0456		EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	83.36	18.49
			For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0457		EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	85.16	19.51
			For Work In Restricted Working Space, Add	*10.57*	
23 05 23 00-0458		EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	139.78	18.49
			For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0459		EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	278.06	24.91
			For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0460		EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	707.22	30.20
			For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0461			Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)*		
			Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0462		EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	535.07	17.68
23 05 23 00-0463		EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	576.33	20.89
23 05 23 00-0464		EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	969.29	32.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0465		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0466	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	672.82	153.06
23 05 23 00-0467	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,087.82	179.75
23 05 23 00-0468	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,475.49	301.33
23 05 23 00-0469		Check Valves *(23 05 23)*		
23 05 23 00-0470		Iron Body Wafer Type Check Valve *(23 05 23 00-0469)*		
23 05 23 00-0471		Single Disk Type *(23 05 23 00-0470)*		
23 05 23 00-0472	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	474.94	153.12
		For 150 LB Rating, Add	*59.54*	
		For 200 LB Rating, Add	*70.88*	
		For 300 LB Rating, Add	*85.05*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*165.86*	
23 05 23 00-0473	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	563.78	153.40
		For 150 LB Rating, Add	*78.00*	
		For 200 LB Rating, Add	*92.86*	
		For 300 LB Rating, Add	*111.43*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*205.62*	
23 05 23 00-0474	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	694.58	179.85
		For 150 LB Rating, Add	*98.60*	
		For 200 LB Rating, Add	*117.38*	
		For 300 LB Rating, Add	*140.85*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*256.29*	
23 05 23 00-0475	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,013.73	301.50
		For 150 LB Rating, Add	*133.54*	
		For 200 LB Rating, Add	*158.98*	
		For 300 LB Rating, Add	*190.77*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*361.72*	
23 05 23 00-0476	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,524.99	423.17
		For 150 LB Rating, Add	*209.17*	
		For 200 LB Rating, Add	*249.01*	
		For 300 LB Rating, Add	*298.81*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*554.01*	
23 05 23 00-0477	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	2,134.64	486.64
		For 150 LB Rating, Add	*320.99*	
		For 200 LB Rating, Add	*382.14*	
		For 300 LB Rating, Add	*458.56*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*809.06*	
23 05 23 00-0478	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	3,187.34	592.43
		For 150 LB Rating, Add	*512.69*	
		For 200 LB Rating, Add	*610.35*	
		For 300 LB Rating, Add	*732.41*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,247.81*	
23 05 23 00-0479		Twin Disc Type *(23 05 23 00-0470)*		
23 05 23 00-0480	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	648.33	153.12
		For 150 LB Rating, Add	*95.95*	
		For 200 LB Rating, Add	*114.22*	
		For 300 LB Rating, Add	*137.07*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*243.89*	
23 05 23 00-0481	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	740.66	153.40
		For 150 LB Rating, Add	*115.15*	
		For 200 LB Rating, Add	*137.08*	
		For 300 LB Rating, Add	*164.50*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*285.21*	
23 05 23 00-0482	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	864.84	179.85
		For 150 LB Rating, Add	*134.35*	
		For 200 LB Rating, Add	*159.94*	
		For 300 LB Rating, Add	*191.93*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*332.91*	
23 05 23 00-0483	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,190.28	301.50
		For 150 LB Rating, Add	*170.61*	
		For 200 LB Rating, Add	*203.11*	
		For 300 LB Rating, Add	*243.74*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*441.17*	
23 05 23 00-0484	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,839.05	423.17
		For 150 LB Rating, Add	*275.12*	
		For 200 LB Rating, Add	*327.53*	
		For 300 LB Rating, Add	*393.03*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*695.34*	
23 05 23 00-0485	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	2,605.27	486.64
		For 150 LB Rating, Add	*420.16*	
		For 200 LB Rating, Add	*500.19*	
		For 300 LB Rating, Add	*600.23*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,021.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0486		EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,909.41	581.85
			For 150 LB Rating, Add	*665.40*	
			For 200 LB Rating, Add	*792.15*	
			For 300 LB Rating, Add	*950.57*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,574.03*	
23 05 23 00-0487		EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	5,141.75	719.38
			For 150 LB Rating, Add	*891.49*	
			For 200 LB Rating, Add	*1,061.30*	
			For 300 LB Rating, Add	*1,273.56*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*2,089.65*	
23 05 23 00-0488		EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	9,766.25	850.33
			For 150 LB Rating, Add	*1,812.82*	
			For 200 LB Rating, Add	*2,158.12*	
			For 300 LB Rating, Add	*2,589.74*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*4,111.37*	
23 05 23 00-0489		EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	13,434.18	997.73
			For 150 LB Rating, Add	*2,559.27*	
			For 200 LB Rating, Add	*3,046.76*	
			For 300 LB Rating, Add	*3,656.11*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*5,733.59*	
23 05 23 00-0490		EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	17,932.60	1,111.11
			For 150 LB Rating, Add	*3,474.84*	
			For 200 LB Rating, Add	*4,136.72*	
			For 300 LB Rating, Add	*4,964.06*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*7,723.24*	
23 05 23 00-0491		EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	21,346.95	1,247.16
			For 150 LB Rating, Add	*4,155.48*	
			For 200 LB Rating, Add	*4,947.00*	
			For 300 LB Rating, Add	*5,936.40*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*9,216.39*	
23 05 23 00-0492		EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	27,919.46	1,530.61
			For 150 LB Rating, Add	*5,460.16*	
			For 200 LB Rating, Add	*6,500.19*	
			For 300 LB Rating, Add	*7,800.23*	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*12,084.08*	
23 05 23 00-0493			Lift Check Valves *(23 05 23 00-0469)*		
23 05 23 00-0494			Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0493)* Note: Watts #600 series.		
23 05 23 00-0495		EA	3/8" Lift Check Valve, Bronze, Threaded	120.65	11.48
23 05 23 00-0496		EA	1/2" Lift Check Valve, Bronze, Threaded	127.67	11.48
23 05 23 00-0497		EA	3/4" Lift Check Valve, Bronze, Threaded	162.80	12.05
23 05 23 00-0498		EA	1" Lift Check Valve, Bronze, Threaded	214.48	12.05
23 05 23 00-0499		EA	1-1/4" Lift Check Valve, Bronze, Threaded	297.36	15.28
23 05 23 00-0500		EA	1-1/2" Lift Check Valve, Bronze, Threaded	361.73	17.68
23 05 23 00-0501		EA	2" Lift Check Valve, Bronze, Threaded	515.47	20.89
23 05 23 00-0502			Bronze Body, Threaded, 300 LB, Lift Check Valves *(23 05 23 00-0493)* Note: Crane 366E.		
23 05 23 00-0503		EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB	746.90	11.48
23 05 23 00-0504		EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB	907.27	12.05
23 05 23 00-0505		EA	1" Lift Check Valve, Bronze, Threaded, 300 LB	1,627.68	12.05
23 05 23 00-0506		EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	2,169.28	15.28
23 05 23 00-0507		EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	2,356.23	17.68
23 05 23 00-0508		EA	2" Lift Check Valve, Bronze, Threaded, 300 LB	3,026.79	20.89
23 05 23 00-0509			Iron Body, Flanged, 125 LB Vertical Lift Check Valves *(23 05 23 00-0493)* Note: Mueller 105MAP.		
23 05 23 00-0510		EA	2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,091.22	153.06
23 05 23 00-0511		EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,636.37	153.31
23 05 23 00-0512		EA	3" Lift Check Valve, Iron Body, Flanged, 125 LB	1,782.06	179.75
23 05 23 00-0513		EA	4" Lift Check Valve, Iron Body, Flanged, 125 LB	2,470.13	301.33
23 05 23 00-0514		EA	5" Lift Check Valve, Iron Body, Flanged, 125 LB	3,109.94	335.04
23 05 23 00-0515		EA	6" Lift Check Valve, Iron Body, Flanged, 125 LB	3,839.09	372.27
23 05 23 00-0516		EA	8" Lift Check Valve, Iron Body, Flanged, 125 LB	6,762.82	475.68
23 05 23 00-0517		EA	10" Lift Check Valve, Iron Body, Flanged, 125 LB	8,494.62	579.08
23 05 23 00-0518		EA	12" Lift Check Valve, Iron Body, Flanged, 125 LB	13,805.77	703.16
23 05 23 00-0519		EA	14" Lift Check Valve, Iron Body, Flanged, 125 LB	18,866.88	1,001.96
23 05 23 00-0520		EA	16" Lift Check Valve, Iron Body, Flanged, 125 LB	20,907.80	1,102.15
23 05 23 00-0521			Bronze Body Swing Check Valves *(23 05 23 00-0469)*		
23 05 23 00-0522			Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves *(23 05 23 00-0521)*		
23 05 23 00-0523		EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	81.91	11.48
			For 300 LB Rating, Add	*17.50*	
			For Work In Restricted Working Space, Add	*11.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0524	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	78.30	11.48
		For 300 LB Rating, Add	*17.50*	
		For Work In Restricted Working Space, Add	*10.03*	
23 05 23 00-0525	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	80.06	11.48
		For 300 LB Rating, Add	*17.50*	
		For Work In Restricted Working Space, Add	*10.56*	
23 05 23 00-0526	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	83.66	11.48
		For 300 LB Rating, Add	*18.18*	
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0527	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	106.41	12.05
		For 300 LB Rating, Add	*22.03*	
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0528	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	137.14	12.05
		For 300 LB Rating, Add	*29.92*	
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0529	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	184.22	15.28
		For 300 LB Rating, Add	*41.99*	
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0530	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	239.10	17.68
		For 300 LB Rating, Add	*58.80*	
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0531	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	298.24	20.89
		For 300 LB Rating, Add	*75.61*	
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0532	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	586.63	28.23
		For 300 LB Rating, Add	*173.80*	
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0533	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	796.49	32.78
		For 300 LB Rating, Add	*247.19*	
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0534	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	902.27	37.00
		For 300 LB Rating, Add	*279.72*	
		For Work In Restricted Working Space, Add	*55.51*	
23 05 23 00-0535		**125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(23 05 23 00-0469)*		
23 05 23 00-0536	EA	1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	520.03	86.11
		For 150 LB Rating, Add	*279.96*	
		For 250 LB Rating, Add	*535.22*	
		For Work In Restricted Working Space, Add	*32.50*	
23 05 23 00-0537	EA	1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	578.38	100.46
		For 150 LB Rating, Add	*308.43*	
		For 250 LB Rating, Add	*589.65*	
		For Work In Restricted Working Space, Add	*37.44*	
23 05 23 00-0538	EA	1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	643.04	120.56
		For 150 LB Rating, Add	*334.53*	
		For 250 LB Rating, Add	*639.55*	
		For Work In Restricted Working Space, Add	*45.32*	
23 05 23 00-0539	EA	2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	802.37	153.06
		For 150 LB Rating, Add	*415.49*	
		For 250 LB Rating, Add	*794.31*	
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0540	EA	2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	905.32	153.31
		For 150 LB Rating, Add	*484.89*	
		For 250 LB Rating, Add	*927.00*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0541	EA	3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	999.87	179.75
		For 150 LB Rating, Add	*526.94*	
		For 250 LB Rating, Add	*1,007.38*	
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0542	EA	4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,575.19	301.33
		For 150 LB Rating, Add	*814.35*	
		For 250 LB Rating, Add	*1,556.84*	
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0543	EA	5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,176.43	335.04
		For 150 LB Rating, Add	*1,195.62*	
		For 250 LB Rating, Add	*2,285.75*	
		For Work In Restricted Working Space, Add	*125.45*	
23 05 23 00-0544	EA	6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,505.63	372.27
		For 150 LB Rating, Add	*1,386.27*	
		For 250 LB Rating, Add	*2,650.22*	
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0545	EA	8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	5,680.60	475.68
		For 150 LB Rating, Add	*3,461.00*	
		For 250 LB Rating, Add	*6,616.62*	
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0546	EA	10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,652.02	579.08
		For 150 LB Rating, Add	*4,711.16*	
		For 250 LB Rating, Add	*9,006.63*	
		For Work In Restricted Working Space, Add	*217.15*	
23 05 23 00-0547	EA	12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	11,681.56	703.16
		For 150 LB Rating, Add	*7,346.84*	
		For 250 LB Rating, Add	*14,045.42*	
		For Work In Restricted Working Space, Add	*263.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0548	EA	14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	13,484.25	1,001.96
		For 150 LB Rating, Add	*8,317.62*	
		For 250 LB Rating, Add	*15,901.34*	
		For Work In Restricted Working Space, Add	*375.74*	
23 05 23 00-0549	EA	16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	19,193.22	1,102.15
		For 150 LB Rating, Add	*12,114.56*	
		For 250 LB Rating, Add	*23,160.19*	
		For Work In Restricted Working Space, Add	*413.31*	
23 05 23 00-0550	EA	18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	29,528.99	1,222.39
		For 150 LB Rating, Add	*19,040.69*	
		For 250 LB Rating, Add	*36,401.31*	
		For Work In Restricted Working Space, Add	*458.39*	
23 05 23 00-0551	EA	20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	40,694.82	1,377.69
		For 150 LB Rating, Add	*26,501.44*	
		For 250 LB Rating, Add	*50,664.52*	
		For Work In Restricted Working Space, Add	*516.63*	
23 05 23 00-0552	EA	24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	56,672.85	1,690.81
		For 150 LB Rating, Add	*37,100.36*	
		For 250 LB Rating, Add	*70,927.16*	
		For Work In Restricted Working Space, Add	*634.05*	
23 05 23 00-0553		Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0469)*		
		Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0554	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve	192.41	11.48
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0555	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve	226.33	12.63
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0556	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve	267.59	14.35
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0557	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	415.35	15.28
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0558	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve	492.94	17.68
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0559	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve	667.61	20.89
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0560		Plastic Check Valve *(23 05 23 00-0469)*		
23 05 23 00-0561		Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0560)*		
23 05 23 00-0562		Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0561)*		
23 05 23 00-0563	EA	1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	95.06	11.48
23 05 23 00-0564	EA	3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	112.22	12.63
23 05 23 00-0565	EA	1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	128.81	14.35
23 05 23 00-0566	EA	1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	184.04	15.28
23 05 23 00-0567	EA	1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	204.77	17.68
23 05 23 00-0568	EA	2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	337.55	19.24
23 05 23 00-0569	EA	2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	428.62	28.23
23 05 23 00-0570	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	469.22	32.78
23 05 23 00-0571	EA	4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	686.65	37.00
23 05 23 00-0572	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged	654.92	179.75
23 05 23 00-0573		Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0561)*		
23 05 23 00-0574		Valves *(23 05 23 00-0573)*		
23 05 23 00-0575	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	71.87	11.48
23 05 23 00-0576	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	89.73	12.63
23 05 23 00-0577	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve	110.19	14.35
23 05 23 00-0578	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	142.90	15.28
23 05 23 00-0579	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	167.94	17.68
23 05 23 00-0580	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	248.70	20.89
23 05 23 00-0581	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve	408.05	28.23
23 05 23 00-0582	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	698.46	32.78
23 05 23 00-0583		Foot Valve Screen *(23 05 23 00-0573)*		
		Note: For use with PVC true union ball check valves above.		
23 05 23 00-0584	EA	1/2" Foot Valve Screen Option	59.16	
23 05 23 00-0585	EA	3/4" Foot Valve Screen Option	70.74	
23 05 23 00-0586	EA	1" Foot Valve Screen Option	81.97	
23 05 23 00-0587	EA	1-1/4" Foot Valve Screen Option	123.75	
23 05 23 00-0588	EA	1-1/2" Foot Valve Screen Option	136.92	
23 05 23 00-0589	EA	2" Foot Valve Screen Option	148.15	
23 05 23 00-0590	EA	2-1/2" Foot Valve Screen Option	176.76	
23 05 23 00-0591	EA	3" Foot Valve Screen Option	205.38	
23 05 23 00-0592	EA	4" Foot Valve Screen Option	249.26	
23 05 23 00-0593		Hayward "True Check" With VITON Seals *(23 05 23 00-0573)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0594	EA	1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	64.95	11.48
23 05 23 00-0595	EA	3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	66.71	11.48
23 05 23 00-0596	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	72.70	11.48
23 05 23 00-0597	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	89.65	12.63
23 05 23 00-0598	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	111.36	14.35
23 05 23 00-0599	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	142.82	15.28
23 05 23 00-0600	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	172.92	17.68
23 05 23 00-0601	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	217.18	20.89
23 05 23 00-0602	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	403.07	28.23
23 05 23 00-0603	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	441.35	32.78
23 05 23 00-0604	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	700.09	37.00
23 05 23 00-0605		Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0573)*		
23 05 23 00-0606	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	68.56	11.48
23 05 23 00-0607	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	85.58	12.63
23 05 23 00-0608	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	105.72	14.35
23 05 23 00-0609	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	136.68	15.28
23 05 23 00-0610	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	161.64	17.68
23 05 23 00-0611	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	207.23	20.89
23 05 23 00-0612	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	388.14	28.23
23 05 23 00-0613	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	428.91	32.78
23 05 23 00-0614	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	681.01	37.00
23 05 23 00-0615		Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0561)*		
23 05 23 00-0616	EA	1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	343.75	68.90
23 05 23 00-0617	EA	1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	374.33	80.37
23 05 23 00-0618	EA	1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	410.83	100.46
23 05 23 00-0619	EA	2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	500.57	126.30
23 05 23 00-0620	EA	2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	604.43	126.95
23 05 23 00-0621	EA	3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	826.70	148.10
23 05 23 00-0622	EA	4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,140.80	251.25
23 05 23 00-0623	EA	6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,873.81	423.17
23 05 23 00-0624		Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0560)*		
23 05 23 00-0625	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	83.63	11.48
		For Work In Restricted Working Space, Add	*11.11*	
23 05 23 00-0626	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	96.51	12.63
		For Work In Restricted Working Space, Add	*14.98*	
23 05 23 00-0627	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	108.85	14.35
		For Work In Restricted Working Space, Add	*18.13*	
23 05 23 00-0628	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	126.98	15.28
		For Work In Restricted Working Space, Add	*22.97*	
23 05 23 00-0629	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	141.67	17.68
		For Work In Restricted Working Space, Add	*26.50*	
23 05 23 00-0630	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	187.32	20.89
		For Work In Restricted Working Space, Add	*31.31*	
23 05 23 00-0631	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	259.06	28.23
		For Work In Restricted Working Space, Add	*42.29*	
23 05 23 00-0632	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	315.90	32.78
		For Work In Restricted Working Space, Add	*48.80*	
23 05 23 00-0633		Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0560)*		
23 05 23 00-0634		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0633)*		
23 05 23 00-0635	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	651.62	148.02
		For Work In Restricted Working Space, Add	*56.64*	
23 05 23 00-0636	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	828.53	251.11
		For Work In Restricted Working Space, Add	*93.29*	
23 05 23 00-0637	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,336.47	310.22
		For Work In Restricted Working Space, Add	*127.74*	
23 05 23 00-0638	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,784.39	392.94
		For Work In Restricted Working Space, Add	*144.77*	
23 05 23 00-0639		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0633)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0640	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	771.05	148.02
		For Work In Restricted Working Space, Add	*56.64*	
23 05 23 00-0641	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,092.27	251.11
		For Work In Restricted Working Space, Add	*93.29*	
23 05 23 00-0642	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,586.29	310.22
		For Work In Restricted Working Space, Add	*127.74*	
23 05 23 00-0643	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,082.97	392.94
		For Work In Restricted Working Space, Add	*144.77*	
23 05 23 00-0644		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0633)*		
23 05 23 00-0645	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	802.57	148.02
		For Work In Restricted Working Space, Add	*56.64*	
23 05 23 00-0646	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,094.76	251.11
		For Work In Restricted Working Space, Add	*93.29*	
23 05 23 00-0647	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,475.81	310.22
		For Work In Restricted Working Space, Add	*127.74*	
23 05 23 00-0648	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,899.18	392.94
		For Work In Restricted Working Space, Add	*144.77*	
23 05 23 00-0649		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0633)*		
23 05 23 00-0650	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	902.09	148.02
		For Work In Restricted Working Space, Add	*56.64*	
23 05 23 00-0651	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,239.91	251.11
		For Work In Restricted Working Space, Add	*93.29*	
23 05 23 00-0652	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,683.16	310.22
		For Work In Restricted Working Space, Add	*127.74*	
23 05 23 00-0653	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,148.00	392.94
		For Work In Restricted Working Space, Add	*144.77*	
23 05 23 00-0654		Diaphragm Valves *(23 05 23)*		
23 05 23 00-0655		Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0656	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	284.36	34.36
23 05 23 00-0657	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	365.61	38.06
23 05 23 00-0658	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	395.39	47.05
23 05 23 00-0659	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	628.46	70.31
23 05 23 00-0660	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,017.15	84.58
23 05 23 00-0661		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0662	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	375.06	55.11
23 05 23 00-0663	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	438.87	57.41
23 05 23 00-0664	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	515.29	86.11
23 05 23 00-0665	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	784.12	120.56
23 05 23 00-0666	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,263.69	153.06
23 05 23 00-0667	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,631.20	153.31
23 05 23 00-0668	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,030.47	179.75
23 05 23 00-0669	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,856.16	301.33
23 05 23 00-0670	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	6,019.83	372.27
23 05 23 00-0671	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	9,396.32	475.68
23 05 23 00-0672		Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0673	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	172.09	34.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0674	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	226.73	38.06
23 05 23 00-0675	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	256.51	47.05
23 05 23 00-0676	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	439.34	70.31
23 05 23 00-0677	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	576.88	84.58
23 05 23 00-0678		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0679	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	246.54	55.11
23 05 23 00-0680	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	287.09	57.41
23 05 23 00-0681	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	363.49	86.11
23 05 23 00-0682	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	577.43	120.56
23 05 23 00-0683	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	782.42	153.06
23 05 23 00-0684	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	962.86	153.31
23 05 23 00-0685	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,174.56	179.75
23 05 23 00-0686	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,847.23	301.33
23 05 23 00-0687	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	3,759.47	372.27
23 05 23 00-0688	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	5,811.19	475.68
23 05 23 00-0689		125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0690	EA	1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	469.57	86.11
23 05 23 00-0691	EA	1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	767.33	120.56
23 05 23 00-0692	EA	2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,036.03	153.06
23 05 23 00-0693	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,509.70	153.31
23 05 23 00-0694	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,664.59	179.75
23 05 23 00-0695	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,603.48	301.33
23 05 23 00-0696	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	5,301.20	372.27
23 05 23 00-0697	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	11,119.83	475.68
23 05 23 00-0698		Plastic Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0699		Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0698)*		
23 05 23 00-0700	EA	1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	189.75	34.36
23 05 23 00-0701	EA	3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	212.06	37.96
23 05 23 00-0702	EA	1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	268.17	47.05
23 05 23 00-0703	EA	1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	388.66	60.80
23 05 23 00-0704	EA	1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	409.63	70.42
23 05 23 00-0705	EA	2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	480.97	84.58
23 05 23 00-0706		Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0698)*		
23 05 23 00-0707	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	266.06	34.36
23 05 23 00-0708	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	290.03	37.96
23 05 23 00-0709	EA	1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	369.36	47.05
23 05 23 00-0710	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	478.23	60.80
23 05 23 00-0711	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	535.69	70.42
23 05 23 00-0712	EA	2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	583.82	84.58
23 05 23 00-0713		Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0698)*		
23 05 23 00-0714		Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0713)*		
23 05 23 00-0715	EA	1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	133.16	34.36
23 05 23 00-0716	EA	3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	149.11	38.06
23 05 23 00-0717	EA	1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	185.36	47.05
23 05 23 00-0718	EA	1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	260.96	60.80
23 05 23 00-0719	EA	1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	279.99	70.31

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 23 00-0720	EA	2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	334.34	84.58
23 05 23 00-0721			Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0713)*		
	23 05 23 00-0722	EA	1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	133.16	34.36
	23 05 23 00-0723	EA	3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	149.11	38.06
	23 05 23 00-0724	EA	1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	185.66	47.05
	23 05 23 00-0725	EA	1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	260.96	60.80
	23 05 23 00-0726	EA	1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	279.99	70.31
	23 05 23 00-0727	EA	2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	334.34	84.58
23 05 23 00-0728			Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0698)*		
23 05 23 00-0729			Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0728)*		
	23 05 23 00-0730	EA	1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	120.25	34.36
	23 05 23 00-0731	EA	3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	134.14	38.06
	23 05 23 00-0732	EA	1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	167.08	47.05
	23 05 23 00-0733	EA	1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	233.09	60.80
	23 05 23 00-0734	EA	1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	252.12	70.31
	23 05 23 00-0735	EA	2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	301.32	84.58
23 05 23 00-0736			Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0728)*		
	23 05 23 00-0737	EA	1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	120.25	34.36
	23 05 23 00-0738	EA	3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	134.14	38.06
	23 05 23 00-0739	EA	1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	167.08	47.05
	23 05 23 00-0740	EA	1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	233.09	60.80
	23 05 23 00-0741	EA	1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	252.12	70.31
	23 05 23 00-0742	EA	2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	301.32	84.58
23 05 23 00-0743			Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0698)*		
23 05 23 00-0744			Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0743)*		
	23 05 23 00-0745	EA	1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	152.47	34.36
	23 05 23 00-0746	EA	3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	165.21	38.06
	23 05 23 00-0747	EA	1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	225.22	47.05
	23 05 23 00-0748	EA	1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	300.21	60.80
	23 05 23 00-0749	EA	1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	319.24	70.31
	23 05 23 00-0750	EA	2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	387.01	84.58
23 05 23 00-0751			Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0743)*		
	23 05 23 00-0752	EA	1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	152.47	34.36
	23 05 23 00-0753	EA	3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	165.21	38.06
	23 05 23 00-0754	EA	1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	225.22	47.05
	23 05 23 00-0755	EA	1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	300.18	60.80
	23 05 23 00-0756	EA	1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	319.24	70.31
	23 05 23 00-0757	EA	2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	387.01	84.58
23 05 23 00-0758			Solenoid Valves *(23 05 23)*		
23 05 23 00-0759			Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0758)*		
	23 05 23 00-0760	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	135.34	11.48
	23 05 23 00-0761	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	157.20	11.48
	23 05 23 00-0762	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	201.03	12.63
	23 05 23 00-0763	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	297.11	14.35
	23 05 23 00-0764	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	525.26	17.68
	23 05 23 00-0765	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	824.78	20.89
	23 05 23 00-0766	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,123.48	28.23
	23 05 23 00-0767	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	1,632.63	32.78

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0768		**Flow Control Valves And Meters** *(23 05 23)*		
23 05 23 00-0769		**Conditioned Water Balancing Valves** *(23 05 23 00-0768)*		
		Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0770	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	171.92	58.58
23 05 23 00-0771	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	205.54	78.11
23 05 23 00-0772	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,355.70	89.25
23 05 23 00-0773	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,458.67	110.28
23 05 23 00-0774	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,561.90	117.17
23 05 23 00-0775	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,670.19	133.94
23 05 23 00-0776	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,966.08	233.17
23 05 23 00-0777	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,856.68	266.49
23 05 23 00-0778	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,574.56	179.85
23 05 23 00-0779	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,574.47	301.50
23 05 23 00-0780	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	5,573.97	380.85
23 05 23 00-0781	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,519.70	486.64
23 05 23 00-0782	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	10,737.97	592.43
23 05 23 00-0783		**Read Out Meters** *(23 05 23 00-0768)*		
		Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0784	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,338.74	
23 05 23 00-0785	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,811.71	
23 05 23 00-0786	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,811.71	
23 05 23 00-0787	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,811.71	
23 05 23 00-0788		**Balancing Valves** *(23 05 23)*		
23 05 23 00-0789		**Balancing Valves With Lever** *(23 05 23 00-0788)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0790	EA	1/2" Threaded Balancing Valve With Lever	341.18	36.18
23 05 23 00-0791	EA	3/4" Threaded Balancing Valve With Lever	372.02	47.67
23 05 23 00-0792	EA	1" Threaded Balancing Valve With Lever	562.54	54.56
23 05 23 00-0793	EA	1-1/4" Threaded Balancing Valve With Lever	606.01	67.77
23 05 23 00-0794	EA	1-1/2" Threaded Balancing Valve With Lever	636.44	71.79
23 05 23 00-0795	EA	2" Threaded Balancing Valve With Lever	781.22	82.13
23 05 23 00-0796	EA	2-1/2" Flanged Balancing Valve With Lever	1,047.54	153.40
23 05 23 00-0797	EA	3" Flanged Balancing Valve With Lever	1,052.09	179.85
23 05 23 00-0798	EA	4" Flanged Balancing Valve With Lever	1,317.61	301.50
23 05 23 00-0799	EA	5" Flanged Balancing Valve With Lever	3,910.21	342.77
23 05 23 00-0800	EA	6" Flanged Balancing Valve With Lever	1,934.43	380.85
23 05 23 00-0801	EA	8" Flanged Balancing Valve With Lever	2,558.22	486.64
23 05 23 00-0802		**Balancing Valves With Nut** *(23 05 23 00-0788)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0803	EA	4" Flanged Balancing Valve With Nut	1,317.61	301.50
23 05 23 00-0804	EA	5" Flanged Balancing Valve With Nut	3,910.21	342.77
23 05 23 00-0805	EA	6" Flanged Balancing Valve With Nut	1,934.43	380.85
23 05 23 00-0806	EA	8" Flanged Balancing Valve With Nut	2,558.22	486.64
23 05 23 00-0807		**Balancing Valves With Hand Wheel** *(23 05 23 00-0788)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0808	EA	4" Flanged Balancing Valve With Hand Wheel	1,792.72	301.50
23 05 23 00-0809	EA	5" Flanged Balancing Valve With Hand Wheel	4,412.47	342.77
23 05 23 00-0810	EA	6" Flanged Balancing Valve With Hand Wheel	2,437.73	380.85
23 05 23 00-0811	EA	8" Flanged Balancing Valve With Hand Wheel	3,451.01	486.64
23 05 23 00-0812	EA	10" Flanged Balancing Valve With Hand Wheel	5,306.83	592.43
23 05 23 00-0813	EA	12" Flanged Balancing Valve With Hand Wheel	6,952.60	481.07
23 05 23 00-0814	EA	14" Flanged Balancing Valve With Hand Wheel	9,088.51	907.03
23 05 23 00-0815		**Balancing Valves With Chain Wheel** *(23 05 23 00-0788)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0816	EA	4" Flanged Balancing Valve With Chain Wheel	2,065.26	301.50
23 05 23 00-0817	EA	5" Flanged Balancing Valve With Chain Wheel	4,680.83	342.77
23 05 23 00-0818	EA	6" Flanged Balancing Valve With Chain Wheel	2,705.05	380.85
23 05 23 00-0819	EA	8" Flanged Balancing Valve With Chain Wheel	3,779.93	486.64
23 05 23 00-0820	EA	10" Flanged Balancing Valve With Chain Wheel	5,626.35	592.43
23 05 23 00-0821	EA	12" Flanged Balancing Valve With Chain Wheel	7,549.12	480.72
23 05 23 00-0822	EA	14" Flanged Balancing Valve With Chain Wheel	9,628.36	907.03
23 05 23 00-0823		**Calibrated Balancing Valves** *(23 05 23 00-0788)*		
		Note: Bell & Gossett CB Series.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0824	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	142.41	11.48
23 05 23 00-0825	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	167.12	12.63
23 05 23 00-0826	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	188.91	14.35
23 05 23 00-0827	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	264.39	15.28
23 05 23 00-0828	EA	1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S)	310.41	17.69
23 05 23 00-0829	EA	2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S)	416.91	20.90
23 05 23 00-0830	EA	1" Threaded Calibrated Balancing Valve (CB-1)	217.22	14.35
23 05 23 00-0831	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	296.11	15.28
23 05 23 00-0832	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	331.44	17.69
23 05 23 00-0833	EA	2" Threaded Calibrated Balancing Valve (CB-2)	446.47	20.90
23 05 23 00-0834	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	628.70	30.67
23 05 23 00-0835	EA	3" Threaded Calibrated Balancing Valve (CB-3)	1,098.12	35.61
23 05 23 00-0836	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	1,035.38	166.56
23 05 23 00-0837	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	1,801.51	195.28
23 05 23 00-0838	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	2,702.95	327.37
23 05 23 00-0839	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	3,731.92	372.17
23 05 23 00-0840	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	4,728.84	413.52
23 05 23 00-0841	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	7,489.93	528.38
23 05 23 00-0842	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	12,298.07	634.92
23 05 23 00-0843	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	26,005.69	770.97
23 05 23 00-0844	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	3,110.60	39.54
23 05 23 00-0845	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	3,610.63	52.74
23 05 23 00-0846	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	4,779.13	67.63
23 05 23 00-0847	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	8,963.88	85.83
23 05 23 00-0848	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	14,306.88	96.17
23 05 23 00-0849	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	29,496.49	117.26

23 05 23 00-0850 Butterfly Valves *(23 05 23)*

23 05 23 00-0851 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves *(23 05 23 00-0850)*

Note: With on-off handle

23 05 23 00-0852	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	428.98	153.06
		For 200 PSI, Add	*114.06*	
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0853	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	443.67	153.31
		For 200 PSI, Add	*120.69*	
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0854	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	495.73	179.75
		For 200 PSI, Add	*129.97*	
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0855	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	717.47	301.33
		For 200 PSI, Add	*163.13*	
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0856	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	950.52	372.27
		For 200 PSI, Add	*232.09*	
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0857	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,108.31	413.63
		For 200 PSI, Add	*283.81*	
		For Work In Restricted Working Space, Add	*155.11*	
23 05 23 00-0858	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,480.58	475.68
		For 200 PSI, Add	*427.05*	
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0859	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	2,447.95	579.08
		For 200 PSI, Add	*827.57*	
		For Work In Restricted Working Space, Add	*217.15*	
23 05 23 00-0860	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,073.97	703.16
		For 200 PSI, Add	*1,054.36*	
		For Work In Restricted Working Space, Add	*263.22*	

23 05 23 00-0861 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves *(23 05 23 00-0850)*

23 05 23 00-0862	EA	2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	843.43	153.06
		For Work In Restricted Working Space, Add	*57.41*	
23 05 23 00-0863	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	849.83	153.31
		For Work In Restricted Working Space, Add	*57.67*	
23 05 23 00-0864	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	915.71	179.75
		For Work In Restricted Working Space, Add	*67.49*	
23 05 23 00-0865	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,156.79	301.33
		For Work In Restricted Working Space, Add	*113.29*	
23 05 23 00-0866	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,436.81	372.27
		For Work In Restricted Working Space, Add	*140.10*	
23 05 23 00-0867	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,591.68	413.63
		For Work In Restricted Working Space, Add	*155.11*	
23 05 23 00-0868	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,983.44	475.68
		For Work In Restricted Working Space, Add	*177.27*	
23 05 23 00-0869	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	2,522.55	579.08
		For Work In Restricted Working Space, Add	*217.15*	
23 05 23 00-0870	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	3,491.19	703.16
		For Work In Restricted Working Space, Add	*263.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0871		Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves *(23 05 23 00-0850)*		
23 05 23 00-0872	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	5,918.39	939.33
		For 200 PSI, Add	*1,679.74*	
		For Work In Restricted Working Space, Add	*375.74*	
23 05 23 00-0873	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	7,646.31	1,102.15
		For 200 PSI, Add	*2,256.70*	
		For Work In Restricted Working Space, Add	*413.31*	
23 05 23 00-0874	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	10,844.38	1,227.40
		For 200 PSI, Add	*3,352.90*	
		For Work In Restricted Working Space, Add	*459.23*	
23 05 23 00-0875	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	14,040.49	1,377.69
		For 200 PSI, Add	*4,434.62*	
		For Work In Restricted Working Space, Add	*516.63*	
23 05 23 00-0876	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	18,939.28	1,690.81
		For 200 PSI, Add	*6,055.11*	
		For Work In Restricted Working Space, Add	*635.86*	
23 05 23 00-0877	EA	30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	39,507.62	2,673.51
		For 200 PSI, Add	*12,997.79*	
		For Work In Restricted Working Space, Add	*1,020.79*	
23 05 23 00-0878	EA	36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	50,127.10	3,645.68
		For 200 PSI, Add	*16,514.57*	
		For Work In Restricted Working Space, Add	*1,275.99*	
23 05 23 00-0879	EA	42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	60,084.04	5,347.01
		For 200 PSI, Add	*19,274.58*	
		For Work In Restricted Working Space, Add	*1,963.06*	
23 05 23 00-0880	EA	48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	72,731.97	6,683.75
		For 200 PSI, Add	*23,121.13*	
		For Work In Restricted Working Space, Add	*2,551.98*	
23 05 23 00-0881	EA	54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	87,651.88	8,020.51
		For 200 PSI, Add	*27,726.70*	
		For Work In Restricted Working Space, Add	*3,189.98*	
23 05 23 00-0882		Plastic Butterfly Valves *(23 05 23 00-0850)*		
23 05 23 00-0883		Polyvinyl Chloride (PVC) Butterfly Valves, With Operator *(23 05 23 00-0882)*		
23 05 23 00-0884		Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-0883)*		
23 05 23 00-0885	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	236.23	100.46
23 05 23 00-0886	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	270.90	126.30
23 05 23 00-0887	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	311.59	148.02
23 05 23 00-0888	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	453.36	251.11
23 05 23 00-0889	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	640.40	310.22
23 05 23 00-0890	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	865.35	392.94
23 05 23 00-0891	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,363.62	465.33
23 05 23 00-0892	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,775.22	568.74
23 05 23 00-0893		Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-0883)*		
23 05 23 00-0894	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	356.95	100.46
23 05 23 00-0895	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	391.62	126.30
23 05 23 00-0896	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	455.01	148.02
23 05 23 00-0897	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	633.93	251.11
23 05 23 00-0898	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	955.09	310.22
23 05 23 00-0899	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	1,377.11	392.94
23 05 23 00-0900	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,539.84	465.33
23 05 23 00-0901	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,375.50	568.74
23 05 23 00-0902		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator *(23 05 23 00-0882)*		
23 05 23 00-0903		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-0902)*		
23 05 23 00-0904	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	281.42	126.30
23 05 23 00-0905	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	289.16	126.88
23 05 23 00-0906	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	319.07	148.02
23 05 23 00-0907	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	451.78	251.11
23 05 23 00-0908	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	634.23	310.22
23 05 23 00-0909	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	950.95	392.94
23 05 23 00-0910	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,494.89	465.33
23 05 23 00-0911	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,922.42	568.74

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0912		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals *(23 05 23 00-0902)*			
23 05 23 00-0913	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		345.90	52.24
23 05 23 00-0914	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		378.40	63.15
23 05 23 00-0915	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		397.28	70.42
23 05 23 00-0916	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		464.64	81.31
23 05 23 00-0917	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		745.50	132.17
23 05 23 00-0918	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		1,598.90	211.47
23 05 23 00-0919	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		2,383.38	234.72
23 05 23 00-0920	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals		3,345.40	264.33
23 05 23 00-0921		Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator *(23 05 23 00-0882)*			
23 05 23 00-0922		Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-0921)*			
23 05 23 00-0923	EA	2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		948.96	126.30
23 05 23 00-0924	EA	2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		985.56	126.88
23 05 23 00-0925	EA	3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		1,075.60	148.02
23 05 23 00-0926	EA	4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		1,515.17	251.11
23 05 23 00-0927	EA	6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		2,720.52	310.22
23 05 23 00-0928	EA	8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		5,287.83	392.94
23 05 23 00-0929	EA	10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		7,857.27	465.33
23 05 23 00-0930	EA	12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals		9,791.58	568.74

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001		Hangers And Supports *(23 05 29)*			
23 05 29 00-0002		Clevis Hangers *(23 05 29 00-0001)*			
23 05 29 00-0003		Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)* Note: Type 1.			
23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)		20.99	9.52
		For Work In Restricted Working Space, Add		*5.71*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)		23.11	10.58
		For Work In Restricted Working Space, Add		*6.35*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)		24.29	10.58
		For Work In Restricted Working Space, Add		*6.68*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)		25.20	11.44
		For Work In Restricted Working Space, Add		*6.86*	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)		25.46	11.44
		For Work In Restricted Working Space, Add		*6.86*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)		26.58	11.63
		For Work In Restricted Working Space, Add		*7.05*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)		29.19	12.05
		For Work In Restricted Working Space, Add		*7.25*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)		31.17	12.68
		For Work In Restricted Working Space, Add		*7.46*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)		32.58	13.93
		For Work In Restricted Working Space, Add		*7.96*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)		35.79	14.80
		For Work In Restricted Working Space, Add		*8.46*	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)		45.92	17.71
		For Work In Restricted Working Space, Add		*10.63*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)		55.26	21.15
		For Work In Restricted Working Space, Add		*12.69*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)		74.35	26.44
		For Work In Restricted Working Space, Add		*15.86*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)		108.77	35.95
		For Work In Restricted Working Space, Add		*21.15*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)		127.53	39.65
		For Work In Restricted Working Space, Add		*23.79*	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)		158.87	44.41
		For Work In Restricted Working Space, Add		*27.28*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)		197.95	52.87
		For Work In Restricted Working Space, Add		*31.72*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)		246.71	66.09
		For Work In Restricted Working Space, Add		*39.65*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)		399.29	79.30
		For Work In Restricted Working Space, Add		*47.58*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)		610.20	92.51
		For Work In Restricted Working Space, Add		*55.51*	
23 05 29 00-0024		Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*			
23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)		26.18	9.52
		For Work In Restricted Working Space, Add		*5.71*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)		28.30	10.58
		For Work In Restricted Working Space, Add		*6.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	29.59	10.58
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.62	11.44
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.28	11.44
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.08	11.63
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.90	12.05
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	37.66	12.68
		For Work In Restricted Working Space, Add	*7.46*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	42.24	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	46.62	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	76.46	17.71
		For Work In Restricted Working Space, Add	*10.63*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	94.75	21.15
		For Work In Restricted Working Space, Add	*12.69*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	112.85	26.44
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0038		**Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)** *(23 05 29 00-0002)*		
23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.80	9.52
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	22.96	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.25	10.58
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.91	11.44
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.06	11.44
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.77	11.63
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.12	12.05
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	29.36	12.68
		For Work In Restricted Working Space, Add	*7.46*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	33.10	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	34.13	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0049		**Extended Steel Clevis Hanger (Cooper B-Line B3108)** *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	29.44	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.63	10.58
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.25	11.44
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.28	11.44
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.62	11.63
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.11	12.05
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	38.94	12.68
		For Work In Restricted Working Space, Add	*7.46*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	46.77	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	59.00	17.71
		For Work In Restricted Working Space, Add	*10.63*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	72.80	21.15
		For Work In Restricted Working Space, Add	*12.69*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	103.12	26.44
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	144.80	35.95
		For Work In Restricted Working Space, Add	*21.15*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	162.64	39.65
		For Work In Restricted Working Space, Add	*23.79*	
23 05 29 00-0063		**Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)** *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	35.83	11.63
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	38.25	12.05
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	40.24	12.68
		For Work In Restricted Working Space, Add	*7.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	44.56	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	47.14	14.80
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	58.52	17.71
		For Work In Restricted Working Space, Add	*10.63*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	68.30	21.15
		For Work In Restricted Working Space, Add	*12.69*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	90.67	26.44
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0072		Adjustable Hangers *(23 05 29 00-0001)*		
23 05 29 00-0073		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0072)*		
		Note: Type 5.		
23 05 29 00-0074	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.18	8.34
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0075	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.01	9.25
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0076	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.03	10.28
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0077	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.42	11.42
		For Work In Restricted Working Space, Add	*6.85*	
23 05 29 00-0078	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.72	11.99
		For Work In Restricted Working Space, Add	*7.20*	
23 05 29 00-0079	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.62	12.57
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0080	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.98	13.14
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0081	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	34.45	13.70
		For Work In Restricted Working Space, Add	*8.22*	
23 05 29 00-0082	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	41.08	15.42
		For Work In Restricted Working Space, Add	*9.25*	
23 05 29 00-0083		Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0072)*		
		Note: Type 10.		
23 05 29 00-0084	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	22.29	10.58
		For Work In Restricted Working Space, Add	*6.35*	
		For 304 Stainless Steel, Add	*7.52*	
		For 316 Stainless Steel, Add	*9.69*	
23 05 29 00-0085	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.51	10.58
		For Work In Restricted Working Space, Add	*6.68*	
		For 304 Stainless Steel, Add	*8.25*	
		For 316 Stainless Steel, Add	*10.63*	
23 05 29 00-0086	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.74	11.63
		For Work In Restricted Working Space, Add	*7.05*	
		For 304 Stainless Steel, Add	*8.25*	
		For 316 Stainless Steel, Add	*10.63*	
23 05 29 00-0087	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.27	12.68
		For Work In Restricted Working Space, Add	*7.46*	
		For 304 Stainless Steel, Add	*9.24*	
		For 316 Stainless Steel, Add	*11.90*	
23 05 29 00-0088	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.60	14.80
		For Work In Restricted Working Space, Add	*8.46*	
		For 304 Stainless Steel, Add	*9.24*	
		For 316 Stainless Steel, Add	*11.90*	
23 05 29 00-0089	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.68	14.80
		For Work In Restricted Working Space, Add	*9.06*	
		For 304 Stainless Steel, Add	*9.70*	
		For 316 Stainless Steel, Add	*12.50*	
23 05 29 00-0090	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	34.93	15.86
		For Work In Restricted Working Space, Add	*9.76*	
		For 304 Stainless Steel, Add	*15.84*	
		For 316 Stainless Steel, Add	*20.40*	
23 05 29 00-0091	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	37.75	17.97
		For Work In Restricted Working Space, Add	*10.57*	
		For 304 Stainless Steel, Add	*16.57*	
		For 316 Stainless Steel, Add	*21.34*	
23 05 29 00-0092	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	41.95	19.29
		For Work In Restricted Working Space, Add	*11.58*	
		For 304 Stainless Steel, Add	*22.18*	
		For 316 Stainless Steel, Add	*28.56*	
23 05 29 00-0093	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	45.65	21.15
		For Work In Restricted Working Space, Add	*12.69*	
		For 304 Stainless Steel, Add	*22.18*	
		For 316 Stainless Steel, Add	*28.56*	
23 05 29 00-0094	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	54.55	23.79
		For Work In Restricted Working Space, Add	*14.27*	
		For 304 Stainless Steel, Add	*46.00*	
		For 316 Stainless Steel, Add	*59.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	59.94	26.44
		For Work In Restricted Working Space, Add	*15.86*	
		For 304 Stainless Steel, Add	*46.66*	
		For 316 Stainless Steel, Add	*60.10*	
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	71.84	31.72
		For Work In Restricted Working Space, Add	*19.03*	
		For 304 Stainless Steel, Add	*55.44*	
		For 316 Stainless Steel, Add	*71.40*	
23 05 29 00-0097		Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*		
23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	24.72	10.58
		For Work In Restricted Working Space, Add	*6.35*	
		For 304 Stainless Steel, Add	*23.56*	
		For 316 Stainless Steel, Add	*30.35*	
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	25.83	10.58
		For Work In Restricted Working Space, Add	*6.68*	
		For 304 Stainless Steel, Add	*23.56*	
		For 316 Stainless Steel, Add	*30.35*	
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.06	11.63
		For Work In Restricted Working Space, Add	*7.05*	
		For 304 Stainless Steel, Add	*23.56*	
		For 316 Stainless Steel, Add	*30.35*	
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.44	12.68
		For Work In Restricted Working Space, Add	*7.46*	
		For 304 Stainless Steel, Add	*23.56*	
		For 316 Stainless Steel, Add	*30.35*	
23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.07	14.80
		For Work In Restricted Working Space, Add	*8.46*	
		For 304 Stainless Steel, Add	*25.54*	
		For 316 Stainless Steel, Add	*32.90*	
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	34.08	14.80
		For Work In Restricted Working Space, Add	*9.06*	
		For 304 Stainless Steel, Add	*25.54*	
		For 316 Stainless Steel, Add	*32.90*	
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	42.68	15.86
		For Work In Restricted Working Space, Add	*9.76*	
		For 304 Stainless Steel, Add	*66.99*	
		For 316 Stainless Steel, Add	*86.28*	
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	47.81	17.97
		For Work In Restricted Working Space, Add	*10.57*	
		For 304 Stainless Steel, Add	*82.96*	
		For 316 Stainless Steel, Add	*106.85*	
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	52.15	19.29
		For Work In Restricted Working Space, Add	*11.58*	
		For 304 Stainless Steel, Add	*89.50*	
		For 316 Stainless Steel, Add	*115.26*	
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	58.80	21.15
		For Work In Restricted Working Space, Add	*12.69*	
		For 304 Stainless Steel, Add	*108.97*	
		For 316 Stainless Steel, Add	*140.34*	
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	64.32	23.79
		For Work In Restricted Working Space, Add	*14.27*	
		For 304 Stainless Steel, Add	*110.48*	
		For 316 Stainless Steel, Add	*142.29*	
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	77.10	26.44
		For Work In Restricted Working Space, Add	*15.86*	
		For 304 Stainless Steel, Add	*159.92*	
		For 316 Stainless Steel, Add	*205.96*	
23 05 29 00-0110		Roller Hangers *(23 05 29 00-0001)*		
23 05 29 00-0111		Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*		
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114)	33.17	8.47
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114)	36.50	9.53
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114)	40.64	11.11
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114)	46.76	12.69
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*7.62*	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114)	64.57	14.28
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*8.57*	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114)	57.68	15.87
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114)	71.75	19.04
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*11.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	96.67	22.22
		For Work In Restricted Working Space, Add	*13.33*	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	114.61	26.45
		For Work In Restricted Working Space, Add	*15.87*	
23 05 29 00-0121		Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)* Note: Type 43.		
23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	49.46	14.93
		For Work In Restricted Working Space, Add	*8.62*	
		For 304 Stainless Steel, Add	*136.88*	
		For 316 Stainless Steel, Add	*176.29*	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	51.52	15.39
		For Work In Restricted Working Space, Add	*9.23*	
		For 304 Stainless Steel, Add	*136.88*	
		For 316 Stainless Steel, Add	*176.29*	
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	55.96	16.08
		For Work In Restricted Working Space, Add	*9.85*	
		For 304 Stainless Steel, Add	*152.72*	
		For 316 Stainless Steel, Add	*196.69*	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	65.26	17.23
		For Work In Restricted Working Space, Add	*10.34*	
		For 304 Stainless Steel, Add	*203.28*	
		For 316 Stainless Steel, Add	*261.80*	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	69.09	19.52
		For Work In Restricted Working Space, Add	*11.49*	
		For 304 Stainless Steel, Add	*203.28*	
		For 316 Stainless Steel, Add	*261.80*	
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	78.00	21.02
		For Work In Restricted Working Space, Add	*12.61*	
		For 304 Stainless Steel, Add	*237.34*	
		For 316 Stainless Steel, Add	*305.66*	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	90.60	22.98
		For Work In Restricted Working Space, Add	*13.79*	
		For 304 Stainless Steel, Add	*294.69*	
		For 316 Stainless Steel, Add	*379.53*	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	124.26	28.72
		For Work In Restricted Working Space, Add	*17.23*	
		For 304 Stainless Steel, Add	*441.08*	
		For 316 Stainless Steel, Add	*568.06*	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	156.20	39.06
		For Work In Restricted Working Space, Add	*22.97*	
		For 304 Stainless Steel, Add	*525.49*	
		For 316 Stainless Steel, Add	*676.77*	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	203.20	43.07
		For Work In Restricted Working Space, Add	*25.85*	
		For 304 Stainless Steel, Add	*772.53*	
		For 316 Stainless Steel, Add	*994.93*	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	423.14	49.39
		For Work In Restricted Working Space, Add	*29.63*	
		For 304 Stainless Steel, Add	*2,140.78*	
		For 316 Stainless Steel, Add	*2,757.06*	
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	531.22	57.43
		For Work In Restricted Working Space, Add	*34.46*	
		For 304 Stainless Steel, Add	*2,747.91*	
		For 316 Stainless Steel, Add	*3,538.98*	
23 05 29 00-0134		Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0110)*		
23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)	48.10	14.93
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)	51.82	15.39
		For Work In Restricted Working Space, Add	*9.23*	
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)	54.34	16.08
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)	61.87	17.23
		For Work In Restricted Working Space, Add	*10.34*	
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)	68.94	19.52
		For Work In Restricted Working Space, Add	*11.49*	
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)	75.35	21.02
		For Work In Restricted Working Space, Add	*12.61*	
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)	92.34	22.98
		For Work In Restricted Working Space, Add	*13.79*	
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)	120.14	28.72
		For Work In Restricted Working Space, Add	*17.23*	
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)	155.24	39.06
		For Work In Restricted Working Space, Add	*22.97*	
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)	200.69	43.07
		For Work In Restricted Working Space, Add	*25.85*	
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)	218.92	49.39
		For Work In Restricted Working Space, Add	*29.63*	
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)	264.01	57.43
		For Work In Restricted Working Space, Add	*34.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0147	EA	18" Steel Roller Chair (Cooper B-Line B3120)	355.94	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 05 29 00-0148	EA	20" Steel Roller Chair (Cooper B-Line B3120)	440.48	86.15
		For Work In Restricted Working Space, Add	*51.69*	
23 05 29 00-0149		**Adjustable Roller Support (Cooper B-Line B3122)** *(23 05 29 00-0110)*		
23 05 29 00-0150	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122)	54.48	14.93
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0151	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	61.25	15.39
		For Work In Restricted Working Space, Add	*9.23*	
23 05 29 00-0152	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	64.40	16.08
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0153	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	68.03	17.23
		For Work In Restricted Working Space, Add	*10.34*	
23 05 29 00-0154	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	81.84	19.52
		For Work In Restricted Working Space, Add	*11.49*	
23 05 29 00-0155	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	92.81	21.02
		For Work In Restricted Working Space, Add	*12.61*	
23 05 29 00-0156	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	108.11	22.98
		For Work In Restricted Working Space, Add	*13.79*	
23 05 29 00-0157	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	152.60	28.72
		For Work In Restricted Working Space, Add	*17.23*	
23 05 29 00-0158	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	190.24	39.06
		For Work In Restricted Working Space, Add	*22.97*	
23 05 29 00-0159	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	220.07	43.07
		For Work In Restricted Working Space, Add	*25.85*	
23 05 29 00-0160	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	311.69	49.39
		For Work In Restricted Working Space, Add	*29.63*	
23 05 29 00-0161	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	373.72	57.43
		For Work In Restricted Working Space, Add	*34.46*	
23 05 29 00-0162	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	424.21	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 05 29 00-0163		**Adjustable Double Roller Support (Cooper B-Line B3122A)** *(23 05 29 00-0110)*		
23 05 29 00-0164	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	54.84	14.93
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0165	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	61.58	15.39
		For Work In Restricted Working Space, Add	*9.23*	
23 05 29 00-0166	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	64.95	16.08
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0167	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	67.54	17.23
		For Work In Restricted Working Space, Add	*10.34*	
23 05 29 00-0168	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	85.56	19.52
		For Work In Restricted Working Space, Add	*11.49*	
23 05 29 00-0169	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	97.20	21.02
		For Work In Restricted Working Space, Add	*12.61*	
23 05 29 00-0170	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	113.34	22.98
		For Work In Restricted Working Space, Add	*13.79*	
23 05 29 00-0171	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	160.70	28.72
		For Work In Restricted Working Space, Add	*17.23*	
23 05 29 00-0172	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	199.97	39.06
		For Work In Restricted Working Space, Add	*22.97*	
23 05 29 00-0173	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	231.45	43.07
		For Work In Restricted Working Space, Add	*25.85*	
23 05 29 00-0174	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	329.89	49.39
		For Work In Restricted Working Space, Add	*29.63*	
23 05 29 00-0175		**Pipe And Riser Clamps** *(23 05 29 00-0001)*		
		Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176		**Steel Pipe Clamp (Cooper B-Line B3140)** *(23 05 29 00-0175)*		
		Note: Type 4.		
23 05 29 00-0177	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	18.53	6.85
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0178	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	18.76	6.97
		For Work In Restricted Working Space, Add	*4.18*	
23 05 29 00-0179	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	19.02	7.08
		For Work In Restricted Working Space, Add	*4.25*	
23 05 29 00-0180	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	20.73	7.19
		For Work In Restricted Working Space, Add	*4.32*	
23 05 29 00-0181	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	20.95	7.31
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0182	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	22.29	7.42
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0183	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	23.19	7.65
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0184	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	24.57	7.88
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0185	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	28.44	8.00
		For Work In Restricted Working Space, Add	*4.80*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	33.01	10.28
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	47.30	13.70
		For Work In Restricted Working Space, Add	*8.22*	
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	64.77	17.13
		For Work In Restricted Working Space, Add	*10.28*	
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	76.22	19.99
		For Work In Restricted Working Space, Add	*11.99*	
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	111.04	22.84
		For Work In Restricted Working Space, Add	*13.70*	
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	151.34	25.12
		For Work In Restricted Working Space, Add	*15.08*	
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	244.56	27.41
		For Work In Restricted Working Space, Add	*16.45*	
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	265.07	29.69
		For Work In Restricted Working Space, Add	*17.81*	
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	430.38	31.98
		For Work In Restricted Working Space, Add	*19.19*	
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	497.66	34.26
		For Work In Restricted Working Space, Add	*20.56*	
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	648.49	37.69
		For Work In Restricted Working Space, Add	*22.61*	

23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	37.87	7.40
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	49.76	7.40
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	54.63	7.66
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	87.29	7.93
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	94.97	8.46
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	162.68	8.46
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	263.31	9.52
		For Work In Restricted Working Space, Add	*5.70*	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	334.09	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	363.26	12.68
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,129.75	14.80
		For Work In Restricted Working Space, Add	*8.88*	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,298.61	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,663.39	16.91
		For Work In Restricted Working Space, Add	*10.15*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	18.72	6.35
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	19.50	6.45
		For Work In Restricted Working Space, Add	*3.87*	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	19.78	6.56
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	21.39	6.66
		For Work In Restricted Working Space, Add	*4.00*	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	22.23	6.77
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	22.77	6.87
		For Work In Restricted Working Space, Add	*4.12*	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.74	7.08
		For Work In Restricted Working Space, Add	*4.25*	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	25.17	7.29
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	27.66	7.40
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	33.59	9.52
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	43.43	12.68
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	55.08	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	75.24	18.51
		For Work In Restricted Working Space, Add	*11.10*	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	98.88	21.15
		For Work In Restricted Working Space, Add	*12.69*	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	119.61	23.26
		For Work In Restricted Working Space, Add	*13.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0226	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	160.73	25.38
		For Work In Restricted Working Space, Add	*15.23*	
23 05 29 00-0227	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	306.03	27.49
		For Work In Restricted Working Space, Add	*16.50*	
23 05 29 00-0228		Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*		
23 05 29 00-0229	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.09	6.35
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0230	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.61	6.45
		For Work In Restricted Working Space, Add	*3.87*	
23 05 29 00-0231	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.99	6.56
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0232	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.41	6.66
		For Work In Restricted Working Space, Add	*4.00*	
23 05 29 00-0233	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	42.27	6.77
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0234	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	44.91	6.87
		For Work In Restricted Working Space, Add	*4.12*	
23 05 29 00-0235	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	48.61	7.08
		For Work In Restricted Working Space, Add	*4.25*	
23 05 29 00-0236	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	53.42	7.29
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0237	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	72.34	9.52
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0238		Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0175)*		
		Note: Type 42		
23 05 29 00-0239	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	74.60	7.40
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0240	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	79.18	7.93
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0241	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	86.95	8.46
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0242	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	92.83	8.46
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0243	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	112.32	9.52
		For Work In Restricted Working Space, Add	*5.70*	
23 05 29 00-0244	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	349.18	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0245	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	467.82	12.68
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0246	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	557.45	14.80
		For Work In Restricted Working Space, Add	*8.88*	
23 05 29 00-0247	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	812.16	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0248	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,119.46	16.91
		For Work In Restricted Working Space, Add	*10.15*	
23 05 29 00-0249		Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0175)*		
23 05 29 00-0250	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	68.85	7.40
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0251	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	74.24	7.93
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0252	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	129.86	8.46
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0253	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	144.41	8.46
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0254	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	207.42	9.52
		For Work In Restricted Working Space, Add	*5.70*	
23 05 29 00-0255	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	318.14	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0256	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	426.78	12.68
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0257	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	507.97	14.80
		For Work In Restricted Working Space, Add	*8.88*	
23 05 29 00-0258	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	742.66	15.86
		For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0259	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	1,016.59	16.91
		For Work In Restricted Working Space, Add	*10.15*	
23 05 29 00-0260		Split Pipe Clamps And Rings *(23 05 29 00-0001)*		
23 05 29 00-0261		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0260)*		
		Note: Type 6.		
23 05 29 00-0262	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	31.03	9.70
		For Work In Restricted Working Space, Add	*5.83*	
23 05 29 00-0263	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	32.86	10.28
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0264	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	35.73	11.42
		For Work In Restricted Working Space, Add	*6.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0265	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	38.51	11.99
		For Work In Restricted Working Space, Add	*7.20*	
23 05 29 00-0266	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	41.59	12.57
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0267	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	51.36	13.14
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0268	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	56.37	13.70
		For Work In Restricted Working Space, Add	*8.22*	
23 05 29 00-0269	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	75.02	15.42
		For Work In Restricted Working Space, Add	*9.25*	
23 05 29 00-0270	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	95.39	19.42
		For Work In Restricted Working Space, Add	*11.65*	
23 05 29 00-0271	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	127.54	22.84
		For Work In Restricted Working Space, Add	*13.70*	
23 05 29 00-0272		Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0260)*		
		Note: Type 11.		
23 05 29 00-0273	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	20.16	8.04
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0274	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.27	8.04
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0275	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.40	10.33
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0276	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.45	10.33
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0277	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	28.43	10.33
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0278	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	33.25	11.48
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0279	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	44.44	11.48
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0280	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	49.42	12.63
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0281	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	52.61	13.78
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0282		Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*		
		Note: Type 12.		
23 05 29 00-0283	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	20.16	8.04
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0284	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.27	8.61
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.40	9.76
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.45	10.33
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	28.43	10.33
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	33.25	11.48
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	44.44	12.05
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	49.42	12.63
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0291		Pipe Straps *(23 05 29 00-0001)*		
23 05 29 00-0292		Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*		
23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	13.70	5.74
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.30	6.89
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.98	6.89
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.83	6.89
		For Work In Restricted Working Space, Add	*4.05*	
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.75	8.04
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	19.26	8.04
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	23.54	8.04
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	30.16	8.04
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	35.72	10.33
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	43.72	11.48
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	54.49	12.63
		For Work In Restricted Working Space, Add	*7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0291)*

23 05 29 00-0305	EA	1/2" Two Hole Copper-Clad Pipe Strap	6.38	
		For Work In Restricted Working Space, Add	*1.72*	
23 05 29 00-0306	EA	3/4" Two Hole Copper-Clad Pipe Strap	6.78	
		For Work In Restricted Working Space, Add	*1.81*	
23 05 29 00-0307	EA	1" Two Hole Copper-Clad Pipe Strap	7.62	
		For Work In Restricted Working Space, Add	*1.89*	
23 05 29 00-0308	EA	1-1/4" Two Hole Copper-Clad Pipe Strap	8.51	
		For Work In Restricted Working Space, Add	*1.96*	
23 05 29 00-0309	EA	1-1/2" Two Hole Copper-Clad Pipe Strap	9.15	
		For Work In Restricted Working Space, Add	*2.07*	
23 05 29 00-0310	EA	2" Two Hole Copper-Clad Pipe Strap	9.93	
		For Work In Restricted Working Space, Add	*2.24*	

23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0291)*

23 05 29 00-0312	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.90	
		For Work In Restricted Working Space, Add	*0.57*	
23 05 29 00-0313	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.45	
		For Work In Restricted Working Space, Add	*0.62*	
23 05 29 00-0314	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.71	
		For Work In Restricted Working Space, Add	*0.66*	
23 05 29 00-0315	EA	1-1/4" Galvanized Steel Strap, 1 Hole	4.00	
		For Work In Restricted Working Space, Add	*0.72*	
23 05 29 00-0316	EA	1-1/2" Galvanized Steel Strap, 1 Hole	4.28	
		For Work In Restricted Working Space, Add	*0.78*	
23 05 29 00-0317	EA	2" Galvanized Steel Strap, 1 Hole	4.78	
		For Work In Restricted Working Space, Add	*0.86*	

23 05 29 00-0318 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) *(23 05 29 00-0291)*

Note: Designed for supporting pipe runs from strut supports.

23 05 29 00-0319	EA	1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN) Note: Designed for supporting pipe runs from strut supports.	46.50	18.37
		For Work In Restricted Working Space, Add	*11.02*	
23 05 29 00-0320	EA	3/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN) Note: Designed for supporting pipe runs from strut supports.	50.37	20.09
		For Work In Restricted Working Space, Add	*12.06*	
23 05 29 00-0321	EA	1" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN) Note: Designed for supporting pipe runs from strut supports.	54.40	21.82
		For Work In Restricted Working Space, Add	*13.09*	
23 05 29 00-0322	EA	1-1/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN) Note: Designed for supporting pipe runs from strut supports.	58.47	23.54
		For Work In Restricted Working Space, Add	*14.12*	
23 05 29 00-0323	EA	1-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN) Note: Designed for supporting pipe runs from strut supports.	63.49	25.26
		For Work In Restricted Working Space, Add	*15.16*	
23 05 29 00-0324	EA	2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN) Note: Designed for supporting pipe runs from strut supports.	72.72	27.56
		For Work In Restricted Working Space, Add	*16.53*	
23 05 29 00-0325	EA	2-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN) Note: Designed for supporting pipe runs from strut supports.	80.35	30.43
		For Work In Restricted Working Space, Add	*18.26*	
23 05 29 00-0326	EA	3" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN) Note: Designed for supporting pipe runs from strut supports.	88.04	33.87
		For Work In Restricted Working Space, Add	*20.33*	
23 05 29 00-0327	EA	3-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN) Note: Designed for supporting pipe runs from strut supports.	88.81	33.87
		For Work In Restricted Working Space, Add	*20.33*	
23 05 29 00-0328	EA	4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN) Note: Designed for supporting pipe runs from strut supports.	103.13	39.61
		For Work In Restricted Working Space, Add	*23.77*	
23 05 29 00-0329	EA	5" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN) Note: Designed for supporting pipe runs from strut supports.	123.12	45.93
		For Work In Restricted Working Space, Add	*27.21*	
23 05 29 00-0330	EA	6" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN) Note: Designed for supporting pipe runs from strut supports.	138.53	51.09
		For Work In Restricted Working Space, Add	*30.65*	
23 05 29 00-0331	EA	8" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN) Note: Designed for supporting pipe runs from strut supports.	167.36	62.00
		For Work In Restricted Working Space, Add	*37.20*	
23 05 29 00-0332	EA	10" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN) Note: Designed for supporting pipe runs from strut supports.	198.84	72.34
		For Work In Restricted Working Space, Add	*43.40*	
23 05 29 00-0333	EA	12" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN) Note: Designed for supporting pipe runs from strut supports.	225.75	80.37
		For Work In Restricted Working Space, Add	*48.23*	

23 05 29 00-0334 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) *(23 05 29 00-0291)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0335	EA	1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4)	65.41	18.37
		For Work In Restricted Working Space, Add	*11.02*	
23 05 29 00-0336	EA	3/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4)	70.09	20.66
		For Work In Restricted Working Space, Add	*12.06*	
23 05 29 00-0337	EA	1" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4)	73.59	21.82
		For Work In Restricted Working Space, Add	*13.09*	
23 05 29 00-0338	EA	1-1/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4)	85.06	24.12
		For Work In Restricted Working Space, Add	*14.12*	
23 05 29 00-0339	EA	1-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4)	84.24	25.26
		For Work In Restricted Working Space, Add	*15.16*	
23 05 29 00-0340	EA	2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4)	103.88	27.56
		For Work In Restricted Working Space, Add	*16.53*	
23 05 29 00-0341	EA	2-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4)	99.22	25.26
		For Work In Restricted Working Space, Add	*14.81*	
23 05 29 00-0342	EA	3" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4)	119.80	34.45
		For Work In Restricted Working Space, Add	*20.33*	
23 05 29 00-0343	EA	3-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4)	132.38	36.74
		For Work In Restricted Working Space, Add	*22.05*	
23 05 29 00-0344	EA	4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4)	148.15	40.19
		For Work In Restricted Working Space, Add	*23.77*	
23 05 29 00-0345	EA	5" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4)	190.82	45.93
		For Work In Restricted Working Space, Add	*27.21*	
23 05 29 00-0346	EA	6" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4)	209.23	51.67
		For Work In Restricted Working Space, Add	*30.65*	
23 05 29 00-0347	EA	8" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4)	261.11	62.00
		For Work In Restricted Working Space, Add	*37.20*	
23 05 29 00-0348	EA	10" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4)	302.93	72.34
		For Work In Restricted Working Space, Add	*43.40*	
23 05 29 00-0349	EA	12" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4)	548.01	80.37
		For Work In Restricted Working Space, Add	*48.23*	
23 05 29 00-0350	EA	14" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4)	402.34	88.41
		For Work In Restricted Working Space, Add	*53.05*	

23 05 29 00-0351 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

23 05 29 00-0352 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0351)*

Note: Up to 750# load.

23 05 29 00-0353	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	124.97	12.68
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized, Add	*19.92*	
23 05 29 00-0354	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	126.79	12.68
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized, Add	*20.28*	
23 05 29 00-0355	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	134.00	12.68
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized, Add	*21.72*	

23 05 29 00-0356 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0351)*

Note: Up to 1500# load.

23 05 29 00-0357	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	300.95	12.68
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized, Add	*55.11*	
23 05 29 00-0358	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	352.75	12.68
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized, Add	*65.47*	
23 05 29 00-0359	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	458.39	12.68
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized, Add	*86.60*	

23 05 29 00-0360 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0361 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0360)*

23 05 29 00-0362	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	557.09	20.09
23 05 29 00-0363	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	558.14	20.62
23 05 29 00-0364	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	559.20	21.15
23 05 29 00-0365	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	560.26	21.68
23 05 29 00-0366	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	611.67	22.20
23 05 29 00-0367	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	623.73	24.32
23 05 29 00-0368	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	625.31	25.12
23 05 29 00-0369	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	626.90	25.90
23 05 29 00-0370	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	663.48	27.49
23 05 29 00-0371	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	773.09	34.89
23 05 29 00-0372	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	787.88	42.29
23 05 29 00-0373	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	886.86	52.87
23 05 29 00-0374	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,647.40	63.44
23 05 29 00-0375	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,509.85	84.58
23 05 29 00-0376	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	3,088.17	105.73
23 05 29 00-0377	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,717.72	118.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0378	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	4,008.88	132.17
23 05 29 00-0379	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	4,258.12	151.20
23 05 29 00-0380	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	5,372.18	158.60
23 05 29 00-0381		**Pipe Alignment Guide, 1-1/2" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0382	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	558.14	20.62
23 05 29 00-0383	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	609.55	21.15
23 05 29 00-0384	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	610.61	21.68
23 05 29 00-0385	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	611.67	22.20
23 05 29 00-0386	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	612.73	22.73
23 05 29 00-0387	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	624.79	24.84
23 05 29 00-0388	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	626.37	25.64
23 05 29 00-0389	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	661.36	26.44
23 05 29 00-0390	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	664.52	28.02
23 05 29 00-0391	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	774.67	35.68
23 05 29 00-0392	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	790.00	43.35
23 05 29 00-0393	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	889.51	54.19
23 05 29 00-0394	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,650.57	65.03
23 05 29 00-0395	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,514.08	86.70
23 05 29 00-0396	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	3,093.45	108.38
23 05 29 00-0397	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,724.07	121.60
23 05 29 00-0398	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	4,015.23	135.34
23 05 29 00-0399	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	4,265.53	154.90
23 05 29 00-0400	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	5,380.11	162.56
23 05 29 00-0401		**Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0402	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	609.55	21.15
23 05 29 00-0403	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	618.44	21.68
23 05 29 00-0404	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	619.50	22.20
23 05 29 00-0405	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	620.56	22.73
23 05 29 00-0406	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	621.61	23.26
23 05 29 00-0407	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	659.24	25.38
23 05 29 00-0408	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	661.36	26.44
23 05 29 00-0409	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	662.68	27.09
23 05 29 00-0410	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	760.39	28.55
23 05 29 00-0411	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	776.26	36.48
23 05 29 00-0412	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	869.95	44.41
23 05 29 00-0413	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	978.34	55.51
23 05 29 00-0414	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,653.74	66.61
23 05 29 00-0415	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,518.31	88.82
23 05 29 00-0416	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	3,098.74	111.02
23 05 29 00-0417	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,730.17	124.65
23 05 29 00-0418	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	4,022.10	138.77
23 05 29 00-0419	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	4,272.93	158.60
23 05 29 00-0420	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	5,388.04	166.53
23 05 29 00-0421		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0422	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	618.44	21.68
23 05 29 00-0423	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	652.90	22.20
23 05 29 00-0424	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	653.96	22.73
23 05 29 00-0425	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	655.01	23.26
23 05 29 00-0426	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	656.07	23.79
23 05 29 00-0427	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	660.30	25.90
23 05 29 00-0428	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	662.68	27.09
23 05 29 00-0429	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	758.81	27.75
23 05 29 00-0430	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	761.45	29.07
23 05 29 00-0431	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	855.15	37.00
23 05 29 00-0432	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	872.06	45.47
23 05 29 00-0433	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,634.18	56.83
23 05 29 00-0434	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,477.08	68.19
23 05 29 00-0435	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	3,058.56	90.93
23 05 29 00-0436	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	3,104.56	113.66
23 05 29 00-0437	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,736.76	127.93
23 05 29 00-0438	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	4,028.97	142.21
23 05 29 00-0439	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	4,280.86	162.56
23 05 29 00-0440	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	5,396.50	170.76
23 05 29 00-0441		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0442	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	652.90	22.20
23 05 29 00-0443	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	653.96	22.73
23 05 29 00-0444	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	655.01	23.26
23 05 29 00-0445	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	656.07	23.79
23 05 29 00-0446	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	657.13	24.32
23 05 29 00-0447	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	756.17	26.44
23 05 29 00-0448	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	758.81	27.75
23 05 29 00-0449	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	760.39	28.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0450	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	840.76	29.82
23 05 29 00-0451	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	857.26	38.06
23 05 29 00-0452	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	960.37	46.52
23 05 29 00-0453	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,636.83	58.15
23 05 29 00-0454	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,480.25	69.79
23 05 29 00-0455	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	3,062.79	93.05
23 05 29 00-0456	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	3,109.85	116.31
23 05 29 00-0457	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,743.10	131.11
23 05 29 00-0458	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	4,035.32	145.38
23 05 29 00-0459	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	4,288.79	166.53
23 05 29 00-0460	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	5,404.95	174.99

23 05 29 00-0461 Pipe Alignment Guide, 3-1/2" Insulation *(23 05 29 00-0360)*

23 05 29 00-0462	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	653.96	22.73
23 05 29 00-0463	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	749.82	23.26
23 05 29 00-0464	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	750.88	23.79
23 05 29 00-0465	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	751.94	24.32
23 05 29 00-0466	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	753.00	24.84
23 05 29 00-0467	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	757.49	27.09
23 05 29 00-0468	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	760.18	28.44
23 05 29 00-0469	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	839.65	29.27
23 05 29 00-0470	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	842.45	30.67
23 05 29 00-0471	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	945.56	39.12
23 05 29 00-0472	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,615.68	47.58
23 05 29 00-0473	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,459.63	59.48
23 05 29 00-0474	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	3,020.29	71.53
23 05 29 00-0475	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	3,671.19	95.16
23 05 29 00-0476	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,719.31	119.21
23 05 29 00-0477	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	4,025.54	134.28
23 05 29 00-0478	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	4,253.90	149.08
23 05 29 00-0479	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	5,395.44	170.23

23 05 29 00-0480 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0360)*

23 05 29 00-0481	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	749.82	23.26
23 05 29 00-0482	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	750.88	23.79
23 05 29 00-0483	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	751.94	24.32
23 05 29 00-0484	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	753.00	24.84
23 05 29 00-0485	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	754.05	25.38
23 05 29 00-0486	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	836.64	27.75
23 05 29 00-0487	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	839.28	29.07
23 05 29 00-0488	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	841.08	29.97
23 05 29 00-0489	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	930.23	31.45
23 05 29 00-0490	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,600.87	40.18
23 05 29 00-0491	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,617.80	48.64
23 05 29 00-0492	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,462.28	60.80
23 05 29 00-0493	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	3,024.19	73.48
23 05 29 00-0494	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,675.96	97.54
23 05 29 00-0495	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,987.74	121.60
23 05 29 00-0496	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	4,230.64	137.45
23 05 29 00-0497	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	5,361.60	153.31

23 05 29 00-0498 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0499	EA	1-1/2" Sway Bracing	154.63	13.95
		For Work In Restricted Working Space, Add	*8.35*	
23 05 29 00-0500	EA	2" Sway Bracing	159.19	14.70
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0501	EA	3" Sway Bracing	164.77	15.54
		For Work In Restricted Working Space, Add	*9.33*	
23 05 29 00-0502	EA	4" Sway Bracing	187.03	17.66
		For Work In Restricted Working Space, Add	*10.57*	
23 05 29 00-0503	EA	6" Sway Bracing	274.22	26.44
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0504	EA	8" Sway Bracing	302.47	32.99
		For Work In Restricted Working Space, Add	*19.83*	
23 05 29 00-0505	EA	10" Sway Bracing	338.63	44.10
		For Work In Restricted Working Space, Add	*26.43*	

23 05 29 00-0506 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0507	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	333.03	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0508	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	340.51	11.63
		For Work In Restricted Working Space, Add	*6.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0509	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	683.52	13.22
		For Work In Restricted Working Space, Add	*7.93*	
23 05 29 00-0510	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	832.08	14.80
		For Work In Restricted Working Space, Add	*8.88*	
23 05 29 00-0511	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	842.61	16.39
		For Work In Restricted Working Space, Add	*9.83*	
23 05 29 00-0512	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	927.72	18.51
		For Work In Restricted Working Space, Add	*11.10*	
23 05 29 00-0513	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,105.27	20.09
		For Work In Restricted Working Space, Add	*12.05*	
23 05 29 00-0514	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,118.13	21.68
		For Work In Restricted Working Space, Add	*13.01*	
23 05 29 00-0515	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,134.57	23.79
		For Work In Restricted Working Space, Add	*14.27*	
23 05 29 00-0516	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,181.90	25.90
		For Work In Restricted Working Space, Add	*15.54*	
23 05 29 00-0517	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,267.08	28.55
		For Work In Restricted Working Space, Add	*17.13*	
23 05 29 00-0518	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,304.86	31.72
		For Work In Restricted Working Space, Add	*19.03*	
23 05 29 00-0519	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,590.43	34.89
		For Work In Restricted Working Space, Add	*20.94*	
23 05 29 00-0520	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,736.42	39.12
		For Work In Restricted Working Space, Add	*23.47*	
23 05 29 00-0521	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,450.77	43.35
		For Work In Restricted Working Space, Add	*26.01*	
23 05 29 00-0522	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,028.98	47.58
		For Work In Restricted Working Space, Add	*28.55*	
23 05 29 00-0523	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,644.34	51.81
		For Work In Restricted Working Space, Add	*31.08*	

23 05 29 00-0524 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0525	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	13.05	4.76
23 05 29 00-0526	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	13.75	5.29
23 05 29 00-0527	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	15.29	5.55
23 05 29 00-0528	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	16.40	5.81
23 05 29 00-0529	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	18.34	6.35
23 05 29 00-0530	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	20.62	6.61
23 05 29 00-0531	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	26.38	6.87
23 05 29 00-0532	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	29.22	7.40
23 05 29 00-0533	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	36.06	8.46
23 05 29 00-0534	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	55.43	9.52

23 05 29 00-0535 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0536	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.01	
23 05 29 00-0537	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.15	
23 05 29 00-0538	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.24	
23 05 29 00-0539	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.46	
23 05 29 00-0540	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.19	
23 05 29 00-0541	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.60	
23 05 29 00-0542	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.35	
23 05 29 00-0543	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.84	
23 05 29 00-0544	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	4.87	
23 05 29 00-0545	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.57	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0546	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.80	
23 05 29 00-0547	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.50	
23 05 29 00-0548	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.82	
23 05 29 00-0549	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.27	
23 05 29 00-0550	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.02	
23 05 29 00-0551	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.08	
23 05 29 00-0552	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.49	
23 05 29 00-0553	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.30	
23 05 29 00-0554	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.55	
23 05 29 00-0555	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.76	
23 05 29 00-0556	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	8.85	
23 05 29 00-0557	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.79	
23 05 29 00-0558	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.76	
23 05 29 00-0559	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.35	
23 05 29 00-0560	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	8.11	
23 05 29 00-0561	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.70	
23 05 29 00-0562	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	10.97	
23 05 29 00-0563	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	8.04	
23 05 29 00-0564	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.90	
23 05 29 00-0565	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.46	
23 05 29 00-0566		Rooftop Pipe Supports *(23 05 29 00-0001)* Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0567		Rooftop Support Base *(23 05 29 00-0566)*		
23 05 29 00-0568	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	42.48	8.61
23 05 29 00-0569	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	59.41	11.48
23 05 29 00-0570		Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0566)*		
23 05 29 00-0571	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	48.77	8.61
23 05 29 00-0572	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	69.63	11.48
23 05 29 00-0573	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	131.48	14.35
23 05 29 00-0574	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	182.83	17.22
23 05 29 00-0575	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	254.78	20.09
23 05 29 00-0576	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	267.94	22.97
23 05 29 00-0577		Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0566)*		
23 05 29 00-0578	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	86.33	11.48
23 05 29 00-0579	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	138.93	14.35
23 05 29 00-0580	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	185.81	17.22
23 05 29 00-0581	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	254.94	20.09
23 05 29 00-0582	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	289.10	17.22
23 05 29 00-0583		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0566)*		
23 05 29 00-0584	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	145.44	17.22
23 05 29 00-0585	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	165.44	20.09
23 05 29 00-0586	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	171.12	22.97
23 05 29 00-0587	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	187.01	25.84
23 05 29 00-0588	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	241.19	28.71
23 05 29 00-0589		Rooftop Pipe Support Base And Rod *(23 05 29 00-0566)*		
23 05 29 00-0590	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	106.10	11.48
23 05 29 00-0591	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	106.10	11.48

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23 05 29 00-0592	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	106.73	11.48
23 05 29 00-0593	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	113.11	14.35
23 05 29 00-0594	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	108.54	14.35
23 05 29 00-0595	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	114.40	14.35
23 05 29 00-0596		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0566)*		
23 05 29 00-0597	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	136.02	11.48
23 05 29 00-0598	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	152.43	11.48
23 05 29 00-0599	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	200.11	14.35
23 05 29 00-0600	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	267.17	14.35
23 05 29 00-0601	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	366.77	14.35
23 05 29 00-0602		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0566)*		
		Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0603	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	168.17	17.22
23 05 29 00-0604		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0566)*		
		Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0605	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	108.84	14.35
23 05 29 00-0606	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	149.42	17.22
23 05 29 00-0607	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	166.21	20.09
23 05 29 00-0608		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0566)*		
		Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0609	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	413.16	22.97
23 05 29 00-0610	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	417.88	22.97
23 05 29 00-0611	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	434.44	22.97
23 05 29 00-0612	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	472.45	22.97
23 05 29 00-0613	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	404.74	22.97
23 05 29 00-0614	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	420.58	22.97
23 05 29 00-0615	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	437.14	22.97
23 05 29 00-0616	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	475.13	22.97
23 05 29 00-0617	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	423.57	22.97
23 05 29 00-0618	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	429.10	22.97
23 05 29 00-0619	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	445.33	22.97
23 05 29 00-0620	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	483.50	22.97
23 05 29 00-0621	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	442.81	22.97
23 05 29 00-0622	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	447.85	22.97
23 05 29 00-0623	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	464.09	22.97
23 05 29 00-0624	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	502.25	22.97
23 05 29 00-0625		**Threaded Rod, Accessories And Attachments** *(23 05 29)*		
23 05 29 00-0626		**Threaded Rod And Rod Accessories** *(23 05 29 00-0625)*		
23 05 29 00-0627		**Threaded Rod** *(23 05 29 00-0626)*		
		Note: Fully threaded.		
23 05 29 00-0628	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.15	0.72
		For Work In Restricted Working Space, Add	*0.43*	
		For Galvanized, Add	*1.48*	
		For Zinc Plated, Add	*1.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0629	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.43	0.77
		For Work In Restricted Working Space, Add	*0.46*	
		For Galvanized, Add	*2.36*	
		For Zinc Plated, Add	*1.68*	
23 05 29 00-0630	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.72	0.80
		For Work In Restricted Working Space, Add	*0.47*	
		For Galvanized, Add	*3.66*	
		For Zinc Plated, Add	*2.60*	
23 05 29 00-0631	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.23	0.82
		For Work In Restricted Working Space, Add	*0.49*	
		For Galvanized, Add	*6.64*	
		For Zinc Plated, Add	*4.73*	
23 05 29 00-0632	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.93	0.85
		For Work In Restricted Working Space, Add	*0.51*	
		For Galvanized, Add	*7.30*	
		For Zinc Plated, Add	*5.20*	
23 05 29 00-0633	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.52	0.96
		For Work In Restricted Working Space, Add	*0.57*	
		For Galvanized, Add	*10.24*	
		For Zinc Plated, Add	*7.30*	
23 05 29 00-0634	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.43	1.06
		For Work In Restricted Working Space, Add	*0.64*	
		For Galvanized, Add	*12.92*	
		For Zinc Plated, Add	*9.21*	
23 05 29 00-0635		**Rod Couplings** *(23 05 29 00-0626)*		
23 05 29 00-0636	EA	3/8" Diameter, Threaded Rod Coupling Nut	8.87	
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0637	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.10	
		For Work In Restricted Working Space, Add	*2.35*	
23 05 29 00-0638	EA	5/8" Diameter, Threaded Rod Coupling Nut	12.85	
		For Work In Restricted Working Space, Add	*2.65*	
23 05 29 00-0639	EA	3/4" Diameter, Threaded Rod Coupling Nut	15.92	
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0640	EA	7/8" Diameter, Threaded Rod Coupling Nut	24.14	
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0641	EA	1" Diameter, Threaded Rod Coupling Nut	28.65	
		For Work In Restricted Working Space, Add	*3.73*	
23 05 29 00-0642	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	57.01	
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0643		**Flat Washers** *(23 05 29 00-0626)*		
		Note: Zinc plated.		
23 05 29 00-0644	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.64	0.23
		For Work In Restricted Working Space, Add	*0.14*	
		For Galvanized, Add	*0.04*	
23 05 29 00-0645	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.88	0.23
		For Work In Restricted Working Space, Add	*0.16*	
		For Galvanized, Add	*0.09*	
23 05 29 00-0646	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.29	0.34
		For Work In Restricted Working Space, Add	*0.19*	
		For Galvanized, Add	*0.17*	
23 05 29 00-0647	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.77	0.34
		For Work In Restricted Working Space, Add	*0.25*	
		For Galvanized, Add	*0.24*	
23 05 29 00-0648	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.09	0.46
		For Work In Restricted Working Space, Add	*0.29*	
		For Galvanized, Add	*0.28*	
23 05 29 00-0649	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.46	0.46
		For Work In Restricted Working Space, Add	*0.32*	
		For Galvanized, Add	*0.35*	
23 05 29 00-0650	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.77	0.57
		For Work In Restricted Working Space, Add	*0.36*	
		For Galvanized, Add	*0.39*	
23 05 29 00-0651		**Hex Nuts** *(23 05 29 00-0626)*		
		Note: Grade 2 and zinc plated.		
23 05 29 00-0652	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.78	0.29
		For Work In Restricted Working Space, Add	*0.20*	
		For Galvanized, Add	*0.03*	
23 05 29 00-0653	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.29
		For Work In Restricted Working Space, Add	*0.22*	
		For Galvanized, Add	*0.07*	
23 05 29 00-0654	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.42	0.29
		For Work In Restricted Working Space, Add	*0.23*	
		For Galvanized, Add	*0.17*	
23 05 29 00-0655	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.69	0.57
		For Work In Restricted Working Space, Add	*0.24*	
		For Galvanized, Add	*0.22*	
23 05 29 00-0656	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.53	0.57
		For Work In Restricted Working Space, Add	*0.26*	
		For Galvanized, Add	*0.42*	

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23 05 29 00-0657	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.23	0.57
		For Work In Restricted Working Space, Add	*0.29*	
		For Galvanized, Add	*0.57*	
23 05 29 00-0658	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.37	0.57
		For Work In Restricted Working Space, Add	*0.32*	
		For Galvanized, Add	*1.08*	
23 05 29 00-0659		**Turnbuckle (Cooper B-Line B3202)** *(23 05 29 00-0626)*		
		Note: Type 13.		
23 05 29 00-0660	EA	3/8" Turnbuckle (Cooper B-Line B3202)	27.69	5.74
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0661	EA	1/2" Turnbuckle (Cooper B-Line B3202)	32.92	6.31
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0662	EA	5/8" Turnbuckle (Cooper B-Line B3202)	35.42	6.89
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0663	EA	3/4" Turnbuckle (Cooper B-Line B3202)	44.63	8.04
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0664	EA	7/8" Turnbuckle (Cooper B-Line B3202)	57.82	8.61
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0665	EA	1" Turnbuckle (Cooper B-Line B3202)	71.81	9.19
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0666	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	99.70	10.34
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0667		**Swivel Turnbuckle (Cooper B-Line B3224)** *(23 05 29 00-0626)*		
		Note: Type 15.		
23 05 29 00-0668	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	17.45	5.74
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0669	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	20.20	6.43
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0670	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	26.84	7.12
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0671	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	32.47	8.16
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0672		**Forged Steel Clevis (Cooper B-Line B3201)** *(23 05 29 00-0626)*		
		Note: Type 14.		
23 05 29 00-0673	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	92.70	10.58
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0674	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	136.95	11.10
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0675	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	148.13	11.63
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0676	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	154.24	12.68
		For Work In Restricted Working Space, Add	*7.46*	
23 05 29 00-0677	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	162.30	14.28
		For Work In Restricted Working Space, Add	*8.46*	
23 05 29 00-0678	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	270.68	18.51
		For Work In Restricted Working Space, Add	*11.10*	
23 05 29 00-0679	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	293.74	21.15
		For Work In Restricted Working Space, Add	*12.69*	
23 05 29 00-0680	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	346.21	26.44
		For Work In Restricted Working Space, Add	*15.86*	
23 05 29 00-0681		**Welded Eye Rod (Cooper B-Line B3211)** *(23 05 29 00-0626)*		
23 05 29 00-0682	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	27.52	6.20
		For Work In Restricted Working Space, Add	*3.73*	
23 05 29 00-0683	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	28.41	6.31
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0684	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	29.29	6.43
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0685	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	29.53	6.55
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0686	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	31.31	6.78
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0687	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	33.35	7.23
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0688	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	34.71	7.58
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0689	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	37.41	7.92
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0690	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	39.43	8.27
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0691	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	41.46	8.61
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0692	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	36.69	6.89
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0693	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	37.58	7.01
		For Work In Restricted Working Space, Add	*4.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0694	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	38.51	7.12
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0695	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	39.42	7.23
		For Work In Restricted Working Space, Add	*4.36*	
23 05 29 00-0696	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	41.24	7.46
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0697	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	44.62	7.93
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0698	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	47.35	8.27
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0699	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	50.74	8.61
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0700	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	53.44	9.08
		For Work In Restricted Working Space, Add	*5.43*	
23 05 29 00-0701	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	56.19	9.42
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0702	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	49.46	7.70
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0703	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	51.01	7.81
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0704	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	52.62	7.93
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0705	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	53.54	8.16
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0706	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	56.02	8.38
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0707	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	60.09	8.73
		For Work In Restricted Working Space, Add	*5.26*	
23 05 29 00-0708	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	64.15	9.19
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0709	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	67.55	9.53
		For Work In Restricted Working Space, Add	*5.73*	
23 05 29 00-0710	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	71.63	9.99
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-0711	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	75.68	10.34
		For Work In Restricted Working Space, Add	*6.21*	
23 05 29 00-0712	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	60.72	8.73
		For Work In Restricted Working Space, Add	*5.26*	
23 05 29 00-0713	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	62.96	8.84
		For Work In Restricted Working Space, Add	*5.33*	
23 05 29 00-0714	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	64.53	9.08
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0715	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	66.77	9.19
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0716	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	70.59	9.42
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0717	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	75.97	9.88
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0718	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	81.37	10.22
		For Work In Restricted Working Space, Add	*6.15*	
23 05 29 00-0719	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	87.44	10.68
		For Work In Restricted Working Space, Add	*6.40*	
23 05 29 00-0720	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	93.46	11.03
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0721	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	98.87	11.48
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0722	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	72.68	10.10
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0723	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	75.57	10.34
		For Work In Restricted Working Space, Add	*6.18*	
23 05 29 00-0724	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	77.83	10.46
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0725	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	80.08	10.57
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0726	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	84.58	10.91
		For Work In Restricted Working Space, Add	*6.52*	
23 05 29 00-0727	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	91.97	11.25
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0728	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	98.70	11.72
		For Work In Restricted Working Space, Add	*7.03*	
23 05 29 00-0729	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	106.10	12.18
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0730	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	112.84	12.52
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0731	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	119.58	12.97
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0732	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	91.02	12.18
		For Work In Restricted Working Space, Add	*7.28*	
23 05 29 00-0733	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	93.96	12.29
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0734	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	96.90	12.40
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0735	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	99.83	12.63
		For Work In Restricted Working Space, Add	*7.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0736	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	105.69	12.97
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0737	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	114.51	13.44
		For Work In Restricted Working Space, Add	*8.04*	
23 05 29 00-0738	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	123.34	13.90
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0739	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	132.77	14.35
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0740	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	141.58	14.82
		For Work In Restricted Working Space, Add	*8.90*	
23 05 29 00-0741	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	150.41	15.28
		For Work In Restricted Working Space, Add	*9.19*	

23 05 29 00-0742 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0626)*

23 05 29 00-0743	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	57.39	8.38
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0744	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	58.94	8.61
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0745	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	60.49	8.95
		For Work In Restricted Working Space, Add	*5.34*	
23 05 29 00-0746	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	61.22	9.30
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0747	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	64.09	9.65
		For Work In Restricted Working Space, Add	*5.77*	
23 05 29 00-0748	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	67.74	10.33
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0749	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	70.25	11.03
		For Work In Restricted Working Space, Add	*6.63*	
23 05 29 00-0750	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	74.98	11.82
		For Work In Restricted Working Space, Add	*7.06*	
23 05 29 00-0751	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	74.12	9.31
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0752	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	75.71	9.53
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0753	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	77.35	9.76
		For Work In Restricted Working Space, Add	*5.89*	
23 05 29 00-0754	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	79.20	10.22
		For Work In Restricted Working Space, Add	*6.12*	
23 05 29 00-0755	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	82.11	10.57
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0756	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	88.02	11.37
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0757	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	92.84	12.06
		For Work In Restricted Working Space, Add	*7.27*	
23 05 29 00-0758	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	98.73	12.86
		For Work In Restricted Working Space, Add	*7.72*	
23 05 29 00-0759	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	99.16	10.34
		For Work In Restricted Working Space, Add	*6.23*	
23 05 29 00-0760	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	101.84	10.68
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0761	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	104.58	10.91
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0762	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	106.46	11.37
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0763	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	110.52	11.72
		For Work In Restricted Working Space, Add	*7.03*	
23 05 29 00-0764	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	117.56	12.52
		For Work In Restricted Working Space, Add	*7.50*	
23 05 29 00-0765	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	124.59	13.33
		For Work In Restricted Working Space, Add	*7.98*	
23 05 29 00-0766	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	130.54	14.13
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0767	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	125.33	11.72
		For Work In Restricted Working Space, Add	*7.06*	
23 05 29 00-0768	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	129.20	12.06
		For Work In Restricted Working Space, Add	*7.22*	
23 05 29 00-0769	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	131.90	12.29
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0770	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	135.99	12.75
		For Work In Restricted Working Space, Add	*7.63*	
23 05 29 00-0771	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	142.26	13.10
		For Work In Restricted Working Space, Add	*7.88*	
23 05 29 00-0772	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	151.49	13.90
		For Work In Restricted Working Space, Add	*8.36*	
23 05 29 00-0773	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	160.77	14.71
		For Work In Restricted Working Space, Add	*8.85*	
23 05 29 00-0774	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	171.14	15.62
		For Work In Restricted Working Space, Add	*9.34*	
23 05 29 00-0775	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	150.54	13.56
		For Work In Restricted Working Space, Add	*8.16*	
23 05 29 00-0776	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	155.47	13.90
		For Work In Restricted Working Space, Add	*8.33*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0777		EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	159.32	14.13
			For Work In Restricted Working Space, Add	*8.50*	
23 05 29 00-0778		EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	163.42	14.59
			For Work In Restricted Working Space, Add	*8.75*	
23 05 29 00-0779		EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	170.86	15.05
			For Work In Restricted Working Space, Add	*9.01*	
23 05 29 00-0780		EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	183.45	15.86
			For Work In Restricted Working Space, Add	*9.52*	
23 05 29 00-0781		EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	194.95	16.77
			For Work In Restricted Working Space, Add	*10.03*	
23 05 29 00-0782		EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	207.56	17.58
			For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0783		EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	191.73	16.20
			For Work In Restricted Working Space, Add	*9.73*	
23 05 29 00-0784		EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	196.74	16.54
			For Work In Restricted Working Space, Add	*9.92*	
23 05 29 00-0785		EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	201.74	16.88
			For Work In Restricted Working Space, Add	*10.11*	
23 05 29 00-0786		EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	207.07	17.35
			For Work In Restricted Working Space, Add	*10.40*	
23 05 29 00-0787		EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	216.71	17.80
			For Work In Restricted Working Space, Add	*10.68*	
23 05 29 00-0788		EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	231.74	18.73
			For Work In Restricted Working Space, Add	*11.26*	
23 05 29 00-0789		EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	246.78	19.75
			For Work In Restricted Working Space, Add	*11.84*	
23 05 29 00-0790		EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	262.80	20.67
			For Work In Restricted Working Space, Add	*12.41*	

23 05 29 00-0791 Attachments *(23 05 29 00-0625)*

23 05 29 00-0792 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0791)*

Note: Type 22.

23 05 29 00-0793		EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	49.19	10.73
			For Work In Restricted Working Space, Add	*6.44*	
23 05 29 00-0794		EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	52.50	11.27
			For Work In Restricted Working Space, Add	*6.78*	
23 05 29 00-0795		EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	55.91	11.91
			For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0796		EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	71.68	12.66
			For Work In Restricted Working Space, Add	*7.57*	
23 05 29 00-0797		EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	86.26	13.41
			For Work In Restricted Working Space, Add	*8.05*	
23 05 29 00-0798		EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	121.40	15.35
			For Work In Restricted Working Space, Add	*9.20*	
23 05 29 00-0799		EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	172.68	16.09
			For Work In Restricted Working Space, Add	*9.66*	

23 05 29 00-0800 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0791)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0801		EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	17.74	5.86
			For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0802		EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	21.18	7.46
			For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0803		EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	24.05	8.04
			For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0804		EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	30.92	8.61
			For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0805		EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	44.88	9.19
			For Work In Restricted Working Space, Add	*5.74*	

23 05 29 00-0806 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0791)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0807		EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	48.91	8.04
			For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0808		EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	71.91	10.34
			For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0809		EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	102.77	11.48
			For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0810		EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	123.01	12.63
			For Work In Restricted Working Space, Add	*7.66*	
23 05 29 00-0811		EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	297.88	13.78
			For Work In Restricted Working Space, Add	*8.62*	

23 05 29 00-0812 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0791)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0813		EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.46	2.87
			For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0814		EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	15.69	3.44
			For Work In Restricted Working Space, Add	*3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0815	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.89	3.44
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0816	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	19.20	3.44
		For Work In Restricted Working Space, Add	*4.05*	
23 05 29 00-0817	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	19.83	4.02
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0818	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	21.23	4.02
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0819	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	30.58	4.02
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0820	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	33.71	4.59
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0821	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	40.73	5.17
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0822		**Copper Standoff Brackets With Flange** *(23 05 29 00-0791)*		
		Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0823	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	34.68	16.43
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0824	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	34.79	16.43
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0825	EA	Clamp Size 1", Copper Standoff Brackets With Flange	34.90	16.43
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0826	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	37.11	17.46
		For Work In Restricted Working Space, Add	*10.44*	
23 05 29 00-0827	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	37.33	17.46
		For Work In Restricted Working Space, Add	*10.44*	
23 05 29 00-0828		**Malleable Iron Eye Sockets (B-Line B-3222)** *(23 05 29 00-0791)*		
		Note: Type 16.		
23 05 29 00-0829	EA	3/8" Rod Size, Malleable Iron Eye Socket	11.00	1.72
		For Work In Restricted Working Space, Add	*1.05*	
23 05 29 00-0830	EA	1/2" Rod Size, Malleable Iron Eye Socket	14.01	2.30
		For Work In Restricted Working Space, Add	*1.38*	
23 05 29 00-0831	EA	5/8" Rod Size, Malleable Iron Eye Socket	23.98	2.30
		For Work In Restricted Working Space, Add	*1.39*	
23 05 29 00-0832	EA	3/4" Rod Size, Malleable Iron Eye Socket	33.74	2.30
		For Work In Restricted Working Space, Add	*1.38*	
23 05 29 00-0833	EA	7/8" Rod Size, Malleable Iron Eye Socket	36.46	2.87
		For Work In Restricted Working Space, Add	*1.72*	
23 05 29 00-0834		**Steel Weldless Eye Nuts (B-Line B-3200)** *(23 05 29 00-0791)*		
		Note: Type 17.		
23 05 29 00-0835	EA	3/8" Rod Size, Steel Weldless Eye Nut	35.56	1.72
		For Work In Restricted Working Space, Add	*1.05*	
23 05 29 00-0836	EA	1/2" Rod Size, Steel Weldless Eye Nut	36.66	2.30
		For Work In Restricted Working Space, Add	*1.38*	
23 05 29 00-0837	EA	5/8" Rod Size, Steel Weldless Eye Nut	36.71	2.30
		For Work In Restricted Working Space, Add	*1.39*	
23 05 29 00-0838	EA	3/4" Rod Size, Steel Weldless Eye Nut	36.66	2.30
		For Work In Restricted Working Space, Add	*1.38*	
23 05 29 00-0839	EA	7/8" Rod Size, Steel Weldless Eye Nut	71.35	2.53
		For Work In Restricted Working Space, Add	*1.55*	
23 05 29 00-0840	EA	1" Rod Size, Steel Weldless Eye Nut	71.92	2.87
		For Work In Restricted Working Space, Add	*1.72*	
23 05 29 00-0841		**Top Mount I-Beam Clamps (B-Line B-3042)** *(23 05 29 00-0791)*		
		Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0842	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	24.35	5.36
		For Work In Restricted Working Space, Add	*3.22*	
23 05 29 00-0843	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.25	5.90
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0844	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	35.41	6.44
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0845	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	48.55	6.97
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0846	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	74.37	8.05
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0847	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	25.61	5.36
		For Work In Restricted Working Space, Add	*3.22*	
23 05 29 00-0848	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	31.04	5.90
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0849	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	35.41	6.44
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0850	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	53.25	6.97
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0851	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	82.40	8.05
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0852	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	28.55	5.36
		For Work In Restricted Working Space, Add	*3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0853	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	34.35	5.90
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0854	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	43.15	6.44
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0855	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	62.04	6.97
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0856	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	99.58	8.05
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0857		**Side Beam Brackets (B-Line B-3062)** *(23 05 29 00-0791)*		
		Note: Type 34.		
23 05 29 00-0858	EA	3/8" Rod Size, Side Beam Bracket	19.83	7.46
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0859	EA	1/2" Rod Size, Side Beam Bracket	23.45	7.46
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0860	EA	5/8" Rod Size, Side Beam Bracket	30.29	8.04
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0861	EA	3/4" Rod Size, Side Beam Bracket	53.56	8.61
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0862	EA	7/8" Rod Size, Side Beam Bracket	62.67	9.76
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0863		**Hex Lag Bolts** *(23 05 29 00-0791)*		
		Note: Also known as coach screws.		
23 05 29 00-0864	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	3.65	
		For Work In Restricted Working Space, Add	*0.72*	
23 05 29 00-0865	EA	3/8" x 4" Long, Hex Lag Bolt	3.32	
		For Work In Restricted Working Space, Add	*0.74*	
23 05 29 00-0866	EA	3/8" x 6" Long, Hex Lag Bolt	3.79	
		For Work In Restricted Working Space, Add	*0.77*	
23 05 29 00-0867	EA	3/8" x 8" Long, Hex Lag Bolt	4.65	
		For Work In Restricted Working Space, Add	*0.80*	
23 05 29 00-0868	EA	3/8" x 10" Long, Hex Lag Bolt	4.97	
		For Work In Restricted Working Space, Add	*0.83*	
23 05 29 00-0869	EA	3/8" x 12" Long, Hex Lag Bolt	7.90	
		For Work In Restricted Working Space, Add	*0.86*	
23 05 29 00-0870	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	5.28	
		For Work In Restricted Working Space, Add	*0.86*	
23 05 29 00-0871	EA	1/2" x 4" Long, Hex Lag Bolt	4.62	
		For Work In Restricted Working Space, Add	*0.90*	
23 05 29 00-0872	EA	1/2" x 6" Long, Hex Lag Bolt	5.46	
		For Work In Restricted Working Space, Add	*0.94*	
23 05 29 00-0873	EA	1/2" x 8" Long, Hex Lag Bolt	6.40	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0874	EA	1/2" x 10" Long, Hex Lag Bolt	7.64	
		For Work In Restricted Working Space, Add	*1.02*	
23 05 29 00-0875	EA	1/2" x 12" Long, Hex Lag Bolt	8.21	
		For Work In Restricted Working Space, Add	*1.07*	
23 05 29 00-0876	EA	5/8" x 4" Long, Hex Lag Bolt	7.88	
		For Work In Restricted Working Space, Add	*0.96*	
23 05 29 00-0877	EA	3/4" x 5" Long, Hex Lag Bolt	9.57	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0878		**Hanger Strap** *(23 05 29 00-0625)*		
23 05 29 00-0879	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	5.57	
23 05 29 00-0880		**Shields And Saddles** *(23 05 29)*		
23 05 29 00-0881		**Insulation Protection Shield** *(23 05 29 00-0880)*		
		Note: Type 40.		
23 05 29 00-0882		**Insulation Protection Shield (Cooper B-Line B3151)** *(23 05 29 00-0881)*		
23 05 29 00-0883	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	15.92	2.76
		For Work In Restricted Working Space, Add	*2.76*	
23 05 29 00-0884	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.16	2.79
		For Work In Restricted Working Space, Add	*2.79*	
23 05 29 00-0885	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.55	2.83
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0886	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.31	2.86
		For Work In Restricted Working Space, Add	*2.86*	
23 05 29 00-0887	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.13	2.93
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0888	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	23.28	3.00
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0889	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	27.03	3.06
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0890	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	32.98	3.13
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0891	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	42.25	3.17
		For Work In Restricted Working Space, Add	*3.17*	

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23 05 29 00-0892	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	45.99	3.20
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0893	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	63.18	3.24
		For Work In Restricted Working Space, Add	*3.24*	
23 05 29 00-0894	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	70.94	3.27
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0895	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	131.31	3.30
		For Work In Restricted Working Space, Add	*3.31*	
23 05 29 00-0896	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	142.70	3.37
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0897	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	172.40	3.45
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0898		**Insulation Protection Shield (Cooper B-Line B3154)** *(23 05 29 00-0881)*		
23 05 29 00-0899	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.07	2.76
		For Work In Restricted Working Space, Add	*2.76*	
23 05 29 00-0900	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.28	2.79
		For Work In Restricted Working Space, Add	*2.79*	
23 05 29 00-0901	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.59	2.83
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0902	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.17	2.86
		For Work In Restricted Working Space, Add	*2.86*	
23 05 29 00-0903	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.55	2.93
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0904	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	19.63	3.00
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0905	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	21.08	3.06
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0906	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	26.79	3.13
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0907	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	32.08	3.17
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0908		**Pipe Covering Protection Saddle** *(23 05 29 00-0880)*		
		Note: Sizes are pipe sizes.		
23 05 29 00-0909		**Saddle, For 1" Insulation (Cooper B-Line B3160)** *(23 05 29 00-0908)*		
23 05 29 00-0910	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.42	3.80
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0911	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.53	3.83
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0912	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.63	3.86
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0913	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.85	3.93
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0914	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.96	3.96
		For Work In Restricted Working Space, Add	*3.96*	
23 05 29 00-0915	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.81	4.03
		For Work In Restricted Working Space, Add	*4.02*	
23 05 29 00-0916	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	29.81	4.09
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0917	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	33.44	4.15
		For Work In Restricted Working Space, Add	*4.15*	
23 05 29 00-0918	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	37.59	4.28
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0919	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	45.73	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0920	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	51.10	4.51
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0921	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	60.56	4.51
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0922	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	66.11	4.67
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0923		**Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)** *(23 05 29 00-0908)*		
23 05 29 00-0924	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.55	3.80
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0925	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.66	3.83
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0926	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.76	3.86
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0927	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.77	3.93
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0928	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.05	3.96
		For Work In Restricted Working Space, Add	*3.96*	
23 05 29 00-0929	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.44	4.03
		For Work In Restricted Working Space, Add	*4.02*	
23 05 29 00-0930	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	34.01	4.09
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0931	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	38.61	4.09
		For Work In Restricted Working Space, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0932	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	43.44	4.28
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0933	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	51.47	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0934	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	57.89	4.51
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0935	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	68.93	4.60
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0936	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	75.50	4.67
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0937		Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0908)*		
23 05 29 00-0938	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.48	3.99
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0939	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.59	4.03
		For Work In Restricted Working Space, Add	*4.02*	
23 05 29 00-0940	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.17	4.06
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0941	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.11	4.12
		For Work In Restricted Working Space, Add	*4.12*	
23 05 29 00-0942	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.95	4.15
		For Work In Restricted Working Space, Add	*4.15*	
23 05 29 00-0943	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.17	4.23
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0944	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.07	4.29
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0945	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	36.97	4.36
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0946	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	47.19	4.50
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0947	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	53.53	4.67
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0948	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	56.20	4.73
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0949	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	75.94	4.83
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0950	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	84.13	4.91
		For Work In Restricted Working Space, Add	*4.89*	
23 05 29 00-0951	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	92.54	5.02
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0952	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	100.93	5.15
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0953	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	110.72	5.28
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0954	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	126.85	5.41
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0955		Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0908)*		
23 05 29 00-0956	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.06	4.15
		For Work In Restricted Working Space, Add	*4.15*	
23 05 29 00-0957	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.92	4.21
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0958	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.85	4.26
		For Work In Restricted Working Space, Add	*4.25*	
23 05 29 00-0959	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.88	4.32
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0960	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.21	4.40
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0961	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	43.32	4.47
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0962	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	49.65	4.60
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0963	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	57.88	4.77
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-0964	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	62.07	4.85
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0965	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	77.91	4.95
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0966	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	92.61	5.02
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0967	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	107.51	5.14
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0968	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	114.23	5.27
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0969	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	121.72	5.41
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0970	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	129.20	5.54
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0971		Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0908)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0972	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	37.09	4.36
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0973	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.52	4.43
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0974	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	42.29	4.50
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0975	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	44.05	4.57
		For Work In Restricted Working Space, Add	*4.57*	
23 05 29 00-0976	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	50.71	4.71
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0977	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	63.80	4.89
		For Work In Restricted Working Space, Add	*4.89*	
23 05 29 00-0978	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	69.21	4.96
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0979	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	90.37	5.06
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0980	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	108.07	5.14
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0981	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	125.81	5.25
		For Work In Restricted Working Space, Add	*5.25*	
23 05 29 00-0982	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	128.21	5.40
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0983	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	130.51	5.53
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0984	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	165.97	5.66
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0985		Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0908)*		
23 05 29 00-0986	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	41.92	4.46
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0987	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	45.98	4.53
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0988	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	48.07	4.60
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0989	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	50.24	4.67
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0990	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	61.52	4.82
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0991	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	72.80	5.00
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0992	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	75.28	5.07
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0993	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	96.58	5.18
		For Work In Restricted Working Space, Add	*5.18*	
23 05 29 00-0994	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	117.51	5.24
		For Work In Restricted Working Space, Add	*5.25*	
23 05 29 00-0995	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	138.65	5.39
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0996	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	169.85	5.51
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0997	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	200.88	5.65
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0998	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	214.97	5.80
		For Work In Restricted Working Space, Add	*5.79*	
23 05 29 00-0999	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	226.28	5.94
		For Work In Restricted Working Space, Add	*5.96*	
23 05 29 00-1000	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	234.64	6.09
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-1001		Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0880)*		
23 05 29 00-1002	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	94.81	14.35
23 05 29 00-1003	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	100.46	16.65
23 05 29 00-1004	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	122.11	18.95
23 05 29 00-1005	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	127.31	20.67
23 05 29 00-1006	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	141.26	22.98
23 05 29 00-1007	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	160.55	28.72
23 05 29 00-1008	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	209.95	38.48
23 05 29 00-1009	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	259.29	57.43
23 05 29 00-1010		Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0880)*		
23 05 29 00-1011	EA	2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	117.40	14.35
23 05 29 00-1012	EA	3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	121.50	16.65
23 05 29 00-1013	EA	3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	130.19	17.80
23 05 29 00-1014	EA	4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	132.87	18.95
23 05 29 00-1015	EA	5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	139.68	20.67
23 05 29 00-1016	EA	6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	148.08	22.98
23 05 29 00-1017	EA	8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	188.04	28.72
23 05 29 00-1018	EA	10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	253.68	38.48
23 05 29 00-1019	EA	12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	331.69	57.43

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1020		Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0880)*			
23 05 29 00-1021	EA	2-1/2" Pipe Saddle Support (Cooper B-Line B3095)		60.15	14.35
23 05 29 00-1022	EA	3" Pipe Saddle Support (Cooper B-Line B3095)		64.25	16.65
23 05 29 00-1023	EA	3-1/2" Pipe Saddle Support (Cooper B-Line B3095)		96.99	17.80
23 05 29 00-1024	EA	4" Pipe Saddle Support (Cooper B-Line B3095)		99.67	18.95
23 05 29 00-1025	EA	5" Pipe Saddle Support (Cooper B-Line B3095)		109.58	20.67
23 05 29 00-1026	EA	6" Pipe Saddle Support (Cooper B-Line B3095)		121.48	22.98
23 05 29 00-1027	EA	8" Pipe Saddle Support (Cooper B-Line B3095)		139.29	28.72
23 05 29 00-1028	EA	10" Pipe Saddle Support (Cooper B-Line B3095)		162.42	38.48
23 05 29 00-1029	EA	12" Pipe Saddle Support (Cooper B-Line B3095)		205.03	57.43
23 05 29 00-1030		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0880)*			
		Note: Insert is for use as isolated protective insulation at hangers.			
23 05 29 00-1031		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*			
23 05 29 00-1032	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		16.02	6.99
23 05 29 00-1033	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		16.34	6.99
23 05 29 00-1034	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		16.43	6.99
23 05 29 00-1035	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		16.75	6.99
23 05 29 00-1036	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		17.91	7.42
23 05 29 00-1037	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		18.72	7.64
23 05 29 00-1038	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		19.68	7.96
23 05 29 00-1039	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		20.72	8.28
23 05 29 00-1040	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		22.60	8.60
23 05 29 00-1041	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		24.37	7.42
23 05 29 00-1042	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		37.90	9.68
23 05 29 00-1043	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		44.82	11.40
23 05 29 00-1044	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		51.05	13.23
23 05 29 00-1045	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		57.71	13.66
23 05 29 00-1046		1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*			
23 05 29 00-1047	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		13.90	5.27
23 05 29 00-1048	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		15.50	5.27
23 05 29 00-1049	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		15.86	5.38
23 05 29 00-1050	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		16.42	5.49
23 05 29 00-1051	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		16.94	5.49
23 05 29 00-1052	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		17.86	5.70
23 05 29 00-1053	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		18.91	5.91
23 05 29 00-1054	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		19.44	6.02
23 05 29 00-1055	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		21.44	6.56
23 05 29 00-1056	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		31.57	11.29
23 05 29 00-1057	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		28.98	8.50
23 05 29 00-1058	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		35.16	10.00
23 05 29 00-1059	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		39.88	11.50
23 05 29 00-1060	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		47.04	13.87
23 05 29 00-1061		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*			
23 05 29 00-1062	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		19.62	6.02
23 05 29 00-1063	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		19.88	6.02
23 05 29 00-1064	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		20.58	6.14
23 05 29 00-1065	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		21.20	6.24
23 05 29 00-1066	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		21.84	6.35
23 05 29 00-1067	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		22.69	6.56
23 05 29 00-1068	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		23.92	6.78
23 05 29 00-1069	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		25.08	6.99
23 05 29 00-1070	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		27.67	7.42
23 05 29 00-1071	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		31.67	8.39
23 05 29 00-1072	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		48.93	14.31
23 05 29 00-1073	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		53.34	16.56
23 05 29 00-1074	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		61.46	19.57
23 05 29 00-1075	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		68.90	21.94
23 05 29 00-1076	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		76.91	24.74
23 05 29 00-1077	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		87.98	29.04
23 05 29 00-1078	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		97.69	32.27
23 05 29 00-1079	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		110.35	36.57
23 05 29 00-1080		2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*			
23 05 29 00-1081	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		22.46	6.99
23 05 29 00-1082	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate		22.75	6.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1083	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.61	7.10
23 05 29 00-1084	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.25	7.20
23 05 29 00-1085	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.91	7.20
23 05 29 00-1086	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.93	7.53
23 05 29 00-1087	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.34	7.75
23 05 29 00-1088	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.65	8.07
23 05 29 00-1089	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.57	8.50
23 05 29 00-1090	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.18	9.68
23 05 29 00-1091	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.80	10.76
23 05 29 00-1092	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.97	12.37
23 05 29 00-1093	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.08	15.38
23 05 29 00-1094	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.44	16.88
23 05 29 00-1095	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.86	21.52
23 05 29 00-1096	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.26	22.59
23 05 29 00-1097	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	105.90	25.82
23 05 29 00-1098	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	124.76	31.19
23 05 29 00-1099		3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*		
23 05 29 00-1100	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.17	7.20
23 05 29 00-1101	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.35	7.53
23 05 29 00-1102	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.67	7.53
23 05 29 00-1103	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.14	7.75
23 05 29 00-1104	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	62.87	7.96
23 05 29 00-1105	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.82	8.07
23 05 29 00-1106	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.27	8.28
23 05 29 00-1107	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.28	8.82
23 05 29 00-1108	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.65	9.15
23 05 29 00-1109	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	89.99	11.18
23 05 29 00-1110	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	116.80	12.26
23 05 29 00-1111	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	139.01	12.91
23 05 29 00-1112	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	159.36	16.67
23 05 29 00-1113	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	179.52	17.75
23 05 29 00-1114	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	214.60	23.66
23 05 29 00-1115	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	231.02	25.82
23 05 29 00-1116	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	261.67	27.97
23 05 29 00-1117	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	307.40	34.42
23 05 29 00-1118		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*		
23 05 29 00-1119	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.46	6.99
23 05 29 00-1120	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.12	8.50
23 05 29 00-1121	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.36	8.50
23 05 29 00-1122	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.08	8.60
23 05 29 00-1123	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.97	8.71
23 05 29 00-1124	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.07	9.04
23 05 29 00-1125	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.78	9.36
23 05 29 00-1126	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.25	9.68
23 05 29 00-1127	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.93	10.22
23 05 29 00-1128	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.41	11.62
23 05 29 00-1129	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.31	12.91
23 05 29 00-1130	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.36	14.84
23 05 29 00-1131	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.08	18.51
23 05 29 00-1132	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	88.14	20.22
23 05 29 00-1133	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.24	25.82
23 05 29 00-1134	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.92	27.11
23 05 29 00-1135	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	127.14	30.98
23 05 29 00-1136	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	149.72	37.44
23 05 29 00-1137		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1030)*		
23 05 29 00-1138	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.27	9.47
23 05 29 00-1139	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.68	9.47
23 05 29 00-1140	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.84	9.57
23 05 29 00-1141	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.78	9.68
23 05 29 00-1142	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.51	9.68
23 05 29 00-1143	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.35	10.33
23 05 29 00-1144	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.85	10.44
23 05 29 00-1145	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.68	10.86
23 05 29 00-1146	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.63	11.50
23 05 29 00-1147	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.82	13.02
23 05 29 00-1148	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.67	14.09
23 05 29 00-1149	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.92	16.78
23 05 29 00-1150	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.87	20.86
23 05 29 00-1151	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.18	22.70
23 05 29 00-1152	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	117.33	29.04
23 05 29 00-1153	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.85	30.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1154	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	141.31	34.86
23 05 29 00-1155	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	168.47	42.17
23 05 29 00-1156	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	191.90	49.59
23 05 29 00-1157	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	218.06	58.52
23 05 29 00-1158	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	246.29	69.17
23 05 29 00-1159	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	351.12	106.82
23 05 29 00-1160	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	377.81	117.57
23 05 29 00-1161	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	402.29	126.92

23 05 29 00-1162 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.

23 05 29 00-1163 Molded Plastic Condenser Pad *(23 05 29 00-1162)*

23 05 29 00-1164	EA	30" Round Molded Plastic Pad	164.23	14.35
23 05 29 00-1165	EA	30" Octagon Molded Plastic Pad	173.14	14.35
23 05 29 00-1166	EA	30" x 30" Molded Plastic Pad	164.23	14.35
23 05 29 00-1167	EA	36" x 36" Molded Plastic Pad	217.64	14.35
23 05 29 00-1168	EA	36" x 48" Molded Plastic Pad	317.56	14.35

23 05 29 00-1169 Inertia Base *(23 05 29 00-1162)*

Note: Includes spring isolators.

23 05 29 00-1170	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	4,213.82
23 05 29 00-1171	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	5,099.01
23 05 29 00-1172	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	5,841.07
23 05 29 00-1173	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	6,678.56

23 05 29 00-1174 Hanger Assemblies *(23 05 29)*

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1175	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	55.35	17.86
		For Work In Restricted Working Space, Add	*11.49*	
23 05 29 00-1176	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	57.47	18.92
		For Work In Restricted Working Space, Add	*12.13*	
23 05 29 00-1177	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	59.26	20.07
		For Work In Restricted Working Space, Add	*12.64*	
23 05 29 00-1178	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	60.17	20.10
		For Work In Restricted Working Space, Add	*12.83*	
23 05 29 00-1179	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	60.43	20.10
		For Work In Restricted Working Space, Add	*12.83*	
23 05 29 00-1180	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	61.56	20.26
		For Work In Restricted Working Space, Add	*13.01*	
23 05 29 00-1181	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	74.14	21.74
		For Work In Restricted Working Space, Add	*13.29*	
23 05 29 00-1182	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	76.11	22.37
		For Work In Restricted Working Space, Add	*13.49*	
23 05 29 00-1183	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	94.95	25.25
		For Work In Restricted Working Space, Add	*14.90*	
23 05 29 00-1184	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	144.95	32.63
		For Work In Restricted Working Space, Add	*19.58*	
23 05 29 00-1185	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	163.91	37.85
		For Work In Restricted Working Space, Add	*22.71*	
23 05 29 00-1186	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	219.33	48.08
		For Work In Restricted Working Space, Add	*28.49*	
23 05 29 00-1187	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	237.98	51.74
		For Work In Restricted Working Space, Add	*31.10*	

23 05 29 00-1188 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1189 Angle Iron For Hanger Devices *(23 05 29 00-1188)*

23 05 29 00-1190	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.78	1.67
23 05 29 00-1191	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.66	2.09
23 05 29 00-1192	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.53	2.50
23 05 29 00-1193	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.34	3.11
23 05 29 00-1194	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.12	3.34
23 05 29 00-1195	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	9.74	3.75
23 05 29 00-1196	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.16	4.56
23 05 29 00-1197	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	15.90	5.35
23 05 29 00-1198	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	19.03	6.25

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1199		**Channels For Hanger Devices** *(23 05 29 00-1188)*		
23 05 29 00-1200	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.37	4.32
23 05 29 00-1201	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.38	6.20
23 05 29 00-1202	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	17.98	7.45
23 05 29 00-1203	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.56	8.69
23 05 29 00-1204	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.12	10.43
23 05 29 00-1205	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.15	12.42
23 05 29 00-1206	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.34	13.67
23 05 29 00-1207		**Structural Bar Tees For Hanger Devices** *(23 05 29 00-1188)*		
23 05 29 00-1208	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.23	6.08
23 05 29 00-1209	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.11	7.18
23 05 29 00-1210	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.01	8.28
23 05 29 00-1211	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	20.62	11.04
23 05 29 00-1212	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.34	13.25
23 05 29 00-1213	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	35.53	17.11
23 05 29 00-1214		**Structural Zees For Hanger Devices** *(23 05 29 00-1188)*		
23 05 29 00-1215	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	16.03	8.28
23 05 29 00-1216	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.37	8.28
23 05 29 00-1217	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.41	8.28
23 05 29 00-1218	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	35.99	8.28
23 05 29 00-1219	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	43.96	8.28
23 05 29 00-1220		**Junior I-beams For Hanger Devices** *(23 05 29 00-1188)*		
23 05 29 00-1221	LF	3" I-beam (Junior) For Hanger Devices	19.85	12.14
23 05 29 00-1222	LF	4" I-beam (Junior) For Hanger Devices	22.86	13.25
23 05 29 00-1223	LF	5" I-beam (Junior) For Hanger Devices	26.44	14.36
23 05 29 00-1224	LF	6" I-beam (Junior) For Hanger Devices	28.93	16.01
23 05 29 00-1225	LF	7" I-beam (Junior) For Hanger Devices	34.48	17.11
23 05 29 00-1226	LF	8" I-beam (Junior) For Hanger Devices	37.35	18.22

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator	103.23	32.15
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator	109.55	32.15
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator	130.49	32.15

23 05 48 13-0005 Housed Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	322.57	32.15
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	362.38	32.15
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	382.29	32.15
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	461.91	32.15
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	481.82	32.15
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	357.40	32.15
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	392.24	32.15
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	417.12	32.15
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	531.58	32.15
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	576.37	32.15
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	680.88	32.15

23 05 48 13-0017 Vibration Isolators *(23 05 48 13)*

23 05 48 13-0018 Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*

23 05 48 13-0019	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	134.04	20.67
23 05 48 13-0020	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	279.67	22.98

23 05 48 13-0021 Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)*

23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	75.14	17.23
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	97.21	20.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0024		**Spring Hanger For 1" Deflection** *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	85.35	20.67
23 05 48 13-0026		**Rubber-In-Shear Vibration Isolator** *(23 05 48 13-0017)*		
23 05 48 13-0027	EA	45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	157.11	39.06
23 05 48 13-0028	EA	130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	213.00	39.06
23 05 48 13-0029	EA	550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	404.80	39.06
23 05 48 13-0030		**Two-Piece Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	133.56	39.06
23 05 48 13-0032	EA	>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	137.72	39.06
23 05 48 13-0033		**Open Double Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	102.71	19.52
23 05 48 13-0035	EA	500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	102.71	19.52
23 05 48 13-0036	EA	1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	116.59	19.52
23 05 48 13-0037	EA	1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	116.59	19.52
23 05 48 13-0038	EA	2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	179.39	19.52
23 05 48 13-0039		**Isolation Pads** *(23 05 48 13-0017)*		
23 05 48 13-0040		**Laminated Neoprene And Cork Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.06	2.87
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.15	2.98
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	11.57	3.10
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	47.09	3.56
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	90.57	4.02
23 05 48 13-0046		**Neoprene And Steel Plate Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	208.06	2.87
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	230.48	2.87
23 05 48 13-0049		**Neoprene Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	6.55	2.87
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	7.52	2.87
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.07	2.87
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	46.32	3.45
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	85.08	4.02
23 05 48 13-0055		**Miscellaneous Piping Isolators** *(23 05 48 13-0017)*		
23 05 48 13-0056	EA	Vibration Isolator, 2" Deflector Note: M.M. Sausse Model # RMXA.	971.74	34.46
23 05 48 13-0057		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0058	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	72.92	18.37
23 05 48 13-0059	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	85.81	25.27
23 05 48 13-0060	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	105.28	31.02
23 05 48 13-0061	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	122.60	36.76
23 05 48 13-0062	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	140.66	48.24
23 05 48 13-0063	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	158.49	51.34
23 05 48 13-0064	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	211.85	60.87
23 05 48 13-0065	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	291.67	94.88
23 05 48 13-0066		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0067	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	271.45	65.93
23 05 48 13-0068	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	317.95	72.37
23 05 48 13-0069	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	359.53	76.62
23 05 48 13-0070	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	401.69	87.30
23 05 48 13-0071	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	456.56	94.19
23 05 48 13-0072	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	572.36	122.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0073	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	868.67	137.84
23 05 48 13-0074	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	1,075.90	155.07
23 05 48 13-0075	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,485.39	229.73
23 05 48 13-0076		Flanged Flexible Hose Connectors *(23 05 48 13)*		
23 05 48 13-0077		Flanged Flexible Molded Rubber Hose Connectors *(23 05 48 13-0076)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0078	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	221.35	86.15
23 05 48 13-0079	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	239.68	95.68
23 05 48 13-0080	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	392.51	191.14
23 05 48 13-0081	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	545.23	284.30
23 05 48 13-0082	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	709.96	367.00
23 05 48 13-0083	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	896.28	381.66
23 05 48 13-0084	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,087.53	435.90
23 05 48 13-0085	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,405.09	518.75
23 05 48 13-0086	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,444.73	648.81
23 05 48 13-0087		Flanged Flexible Corrugated Stainless Steel Hose Connectors *(23 05 48 13-0076)*		
		Note: With braided metal wire.		
23 05 48 13-0088	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	173.16	78.34
23 05 48 13-0089	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	170.48	107.75
23 05 48 13-0090	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	322.95	143.58
23 05 48 13-0091	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	421.26	215.37
23 05 48 13-0092	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	453.43	236.97
23 05 48 13-0093	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	527.73	286.94
23 05 48 13-0094	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	675.71	367.34
23 05 48 13-0095	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,213.67	506.79
23 05 48 13-0096	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,389.94	594.09
23 05 48 13-0097	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	928.95	457.07
23 05 48 13-0098	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,756.06	572.48
23 05 48 13-0099	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,507.09	610.64
23 05 48 13-0100	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,772.87	706.11
23 05 48 13-0101	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,270.70	763.31
23 05 48 13-0102		Flanged Flexible Molded Teflon Hose Connectors *(23 05 48 13-0076)*		
		Note: 150 PSI.		
23 05 48 13-0103	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	948.84	166.56
23 05 48 13-0104	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,064.77	195.28
23 05 48 13-0105	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,615.86	328.19
23 05 48 13-0106	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,963.93	381.66
23 05 48 13-0107	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,577.08	468.16
23 05 48 13-0108		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0109		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0108)*		
		Note: MPT connection.		
23 05 48 13-0110	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	37.36	2.30
23 05 48 13-0111	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.61	2.30
23 05 48 13-0112	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	49.69	2.98
23 05 48 13-0113	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.37	2.98
23 05 48 13-0114	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	49.98	2.76
23 05 48 13-0115	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.33	2.76
23 05 48 13-0116	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	69.08	3.55
23 05 48 13-0117	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	85.19	3.55
23 05 48 13-0118	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	68.15	3.21
23 05 48 13-0119	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	74.50	3.21
23 05 48 13-0120	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.57	4.25
23 05 48 13-0121	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	112.13	4.25
23 05 48 13-0122	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	135.51	4.25
23 05 48 13-0123	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	158.97	4.25
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.04	4.12
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	106.92	4.12
23 05 48 13-0126	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	137.06	4.12
23 05 48 13-0127	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	190.53	5.50
23 05 48 13-0128	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	220.90	5.50
23 05 48 13-0129	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	261.31	5.50
23 05 48 13-0130	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	132.77	4.97
23 05 48 13-0131	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	153.44	4.97
23 05 48 13-0132	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	193.46	4.97
23 05 48 13-0133	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	258.02	6.66
23 05 48 13-0134	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	319.02	6.66
23 05 48 13-0135	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	379.96	6.66
23 05 48 13-0136	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	184.26	6.24
23 05 48 13-0137	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	209.71	5.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0138	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	235.42	5.92
23 05 48 13-0139	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	290.37	7.93
23 05 48 13-0140	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	342.08	7.93
23 05 48 13-0141	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	392.17	7.93
23 05 48 13-0142	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	290.40	7.93
23 05 48 13-0143	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	324.74	7.93
23 05 48 13-0144	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,670.01	7.93
23 05 48 13-0145	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	2,008.79	10.58
23 05 48 13-0146	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	502.72	10.58
23 05 48 13-0147	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	570.30	10.58
23 05 48 13-0148	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	530.98	9.31
23 05 48 13-0149	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	571.10	9.31
23 05 48 13-0150	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	611.23	9.31
23 05 48 13-0151	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	699.02	12.41
23 05 48 13-0152	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	778.97	12.41
23 05 48 13-0153	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	860.63	12.41
23 05 48 13-0154		**Braided Stainless Steel Flexible Hose Connectors** *(23 05 48 13-0108)* Note: Over braided carbon steel connection.		
23 05 48 13-0155	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	158.11	5.04
23 05 48 13-0156	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	190.94	5.04
23 05 48 13-0157	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	223.16	5.04
23 05 48 13-0158	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	292.09	6.76
23 05 48 13-0159	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	357.39	6.76
23 05 48 13-0160	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	422.62	6.76
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	179.24	5.92
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	213.55	5.92
23 05 48 13-0163	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	248.02	5.92
23 05 48 13-0164	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	321.33	7.93
23 05 48 13-0165	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	389.99	7.93
23 05 48 13-0166	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	457.70	7.93
23 05 48 13-0167	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	190.35	7.93
23 05 48 13-0168	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.66	8.14
23 05 48 13-0169	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	269.53	7.93
23 05 48 13-0170	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	356.96	10.58
23 05 48 13-0171	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	436.27	10.58
23 05 48 13-0172	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	517.83	10.58
23 05 48 13-0173	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	383.81	15.45
23 05 48 13-0174	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	565.61	15.56
23 05 48 13-0175	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	758.49	20.50
23 05 48 13-0176	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	940.36	20.50
23 05 48 13-0177	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,122.18	20.50
23 05 48 13-0178	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	665.18	18.98
23 05 48 13-0179	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	802.72	18.98
23 05 48 13-0180	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,088.16	24.67
23 05 48 13-0181	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,361.02	24.67
23 05 48 13-0182	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,633.80	24.67
23 05 48 13-0183	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	712.99	23.73
23 05 48 13-0184	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,056.86	23.73
23 05 48 13-0185	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,415.44	30.90
23 05 48 13-0186	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,760.52	30.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0187	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,104.13	30.90
23 05 48 13-0188	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,412.22	28.69
23 05 48 13-0189	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,841.36	28.69
23 05 48 13-0190	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,303.97	38.60
23 05 48 13-0191	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,736.88	38.60
23 05 48 13-0192	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,171.81	38.60
23 05 48 13-0193		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0108)*		
		Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0194	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	740.25	4.97
23 05 48 13-0195	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,220.54	140.94
23 05 48 13-0196	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,536.22	140.94
23 05 48 13-0197	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,851.91	140.94
23 05 48 13-0198	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,167.72	140.94
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,051.47	179.75
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,384.13	179.75
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,716.91	179.75
23 05 48 13-0202	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,049.82	179.75
23 05 48 13-0203	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,376.90	179.75
23 05 48 13-0204	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,395.79	301.33
23 05 48 13-0205	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,784.08	302.09
23 05 48 13-0206	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,178.69	301.33
23 05 48 13-0207	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,619.88	301.33
23 05 48 13-0208	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,957.00	301.33
23 05 48 13-0209	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,273.61	386.27
23 05 48 13-0210	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,153.39	386.27
23 05 48 13-0211	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,033.67	387.65
23 05 48 13-0212	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,913.58	386.27
23 05 48 13-0213	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,793.36	386.27
23 05 48 13-0214	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,000.54	485.08
23 05 48 13-0215	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,666.10	485.08
23 05 48 13-0216	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,985.71	485.08
23 05 48 13-0217	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,305.82	485.08
23 05 48 13-0218	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,625.31	485.08
23 05 48 13-0219	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,794.17	590.53
23 05 48 13-0220	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,452.39	590.53
23 05 48 13-0221	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	10,121.76	590.53
23 05 48 13-0222	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	11,787.53	590.53
23 05 48 13-0223	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	13,133.78	590.53
23 05 48 13-0224	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,330.66	717.07
23 05 48 13-0225	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	11,434.90	717.07
23 05 48 13-0226	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	13,539.02	717.07
23 05 48 13-0227	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	15,643.13	717.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0228	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	17,747.37	717.07

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	21.92	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	22.21	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	22.36	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	22.69	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	26.62	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	27.14	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	44.20	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	44.61	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	45.05	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	45.29	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	45.53	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	45.78	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	48.02	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	48.30	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	60.01	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	61.88	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	71.15	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	81.64	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.66	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.23	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.39	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.61	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.75	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.09	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.43	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.89	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.23	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.58	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.30	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.07	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.75	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.41	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.00	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.26	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	31.94	

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	12.02	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	11.27	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	11.04	

23 05 53 00-0043 Medical Pipe Labels Pressure-Sensitive *(23 05 53 00-0001)*

23 05 53 00-0044	LF	3" Wide, Vinyl Medical Gas Pipe Pressure Sensitive Stick-On Label Note: To be wrapped around pipe insulation per location	22.08	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,039.51	83.13
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,085.12	87.24
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,087.83	90.98
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,138.65	95.59
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,232.50	99.70
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,130.35	102.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0008		**Single Ended Ultraviolet HVAC Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	869.48	57.57
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	880.96	62.31
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	902.94	66.05
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	913.68	71.03
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	936.40	74.78
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	953.13	78.52
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	975.12	83.50
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	991.76	57.57
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,003.24	62.31
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,025.22	66.05
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,035.96	71.03
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,058.68	74.78
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,075.41	78.52
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,097.40	83.50
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	689.55	62.31
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	711.53	66.05
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	722.27	71.03
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	744.99	74.78
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	761.72	78.52
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	783.71	83.50
23 05 66 00-0029		**Fan Coil Unit Ultraviolet Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	637.64	79.76
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	651.48	83.50
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	665.30	87.24
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	684.05	90.98
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	708.42	95.59
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	729.84	99.70
23 05 66 00-0036		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 05 66)*		
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	168.57	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	177.26	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	201.72	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	233.21	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	265.39	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	262.00	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	121.92	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	128.41	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	145.41	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	151.16	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	168.90	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	180.65	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	197.65	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	495.49	
23 05 66 00-0051		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 05 66)*		
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	700.05	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	897.25	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	405.70	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	429.85	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	557.48	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	345.49	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	375.18	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	487.82	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	480.97	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.09	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	60.81	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	20.74	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	19.54	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	55.92	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	67.40	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	59.78	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	48.36	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	45.64	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	24.33	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	51.41	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	24.43	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	98.12	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	103.23	

23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,435.40	115.28
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,605.72	121.51
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,665.97	130.86
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,742.82	140.20
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,794.75	149.55
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,164.52	155.78
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,169.09	121.51
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,254.26	130.86
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,605.32	140.20
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,707.10	149.55

23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	1,368.96	121.51
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	2,367.25	121.51
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	3,366.89	121.51
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,403.78	130.86
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	2,415.51	130.86
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	3,428.59	130.86
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,435.91	140.20
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	2,463.76	140.20
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	3,490.27	140.20
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,589.33	155.78
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	2,715.27	155.78
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	3,841.21	155.78
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,866.37	171.36
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	3,239.53	171.36
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	4,611.35	171.36

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	488.80
		For Testing Of Unit Without Balancing, Deduct	*-244.40*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	610.75
		For Testing Of Unit Without Balancing, Deduct	*-305.38*
23 05 93 00-0004	EA	Balancing In Line Fan	549.89
		For Testing Of Unit Without Balancing, Deduct	*-274.95*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	122.20
		For Testing Of Unit Without Balancing, Deduct	*-61.10*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	366.57
		For Testing Of Unit Without Balancing, Deduct	*-183.29*
23 05 93 00-0007	EA	Balancing Wall Fan	91.63
		For Testing Of Unit Without Balancing, Deduct	*-45.82*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	488.01
		For Testing Of Unit Without Balancing, Deduct	*-244.01*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0009		Air Conditioning Equipment *(23 05 93)*		
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	846.33	
		For Testing Of Unit Without Balancing, Deduct	*-423.17*	
23 05 93 00-0011	EA	Balancing Package A/C Unit	317.38	
		For Testing Of Unit Without Balancing, Deduct	*-158.69*	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	423.17	
		For Testing Of Unit Without Balancing, Deduct	*-211.59*	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,481.08	
		For Testing Of Unit Without Balancing, Deduct	*-740.54*	
23 05 93 00-0014		Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*		
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	91.64	
		For Testing Of Unit Without Balancing, Deduct	*-45.82*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	152.75	
		For Testing Of Unit Without Balancing, Deduct	*-76.38*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	79.42	
		For Testing Of Unit Without Balancing, Deduct	*-39.71*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	86.06	
		For Testing Of Unit Without Balancing, Deduct	*-43.03*	
23 05 93 00-0019	EA	Balance Constant Volume Box	86.06	
		For Testing Of Unit Without Balancing, Deduct	*-43.03*	
23 05 93 00-0020	EA	Balance Fan Powered Box	97.76	
		For Testing Of Unit Without Balancing, Deduct	*-48.88*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	397.16	
		For Testing Of Unit Without Balancing, Deduct	*-198.58*	
23 05 93 00-0022	EA	Balance General Hood	305.50	
		For Testing Of Unit Without Balancing, Deduct	*-152.75*	
23 05 93 00-0023	EA	Balance Induction Unit	183.31	
		For Testing Of Unit Without Balancing, Deduct	*-91.66*	
23 05 93 00-0024	EA	Balance Moduline - Master	73.30	
		For Testing Of Unit Without Balancing, Deduct	*-36.65*	
23 05 93 00-0025	EA	Balance Moduline - Slave	36.66	
		For Testing Of Unit Without Balancing, Deduct	*-18.33*	
23 05 93 00-0026	EA	Balance Dampers	34.04	
		For Testing Of Unit Without Balancing, Deduct	*-17.02*	
23 05 93 00-0027	EA	Balance Regenerators	488.01	
		For Testing Of Unit Without Balancing, Deduct	*-244.01*	
23 05 93 00-0028		Water Balancing Of Components *(23 05 93)*		
23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	581.91	
		For Testing Of Unit Without Balancing, Deduct	*-290.96*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	74.06	
		For Testing Of Unit Without Balancing, Deduct	*-37.03*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	634.70	
		For Testing Of Unit Without Balancing, Deduct	*-317.35*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	846.33	
		For Testing Of Unit Without Balancing, Deduct	*-423.17*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	423.17	
		For Testing Of Unit Without Balancing, Deduct	*-211.59*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	105.86	
		For Testing Of Unit Without Balancing, Deduct	*-52.93*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	105.79	
		For Testing Of Unit Without Balancing, Deduct	*-52.90*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	116.37	
		For Testing Of Unit Without Balancing, Deduct	*-58.19*	
23 05 93 00-0037	EA	Water Balance, Pumps	317.39	
		For Testing Of Unit Without Balancing, Deduct	*-158.70*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	74.06	
		For Testing Of Unit Without Balancing, Deduct	*-37.03*	
23 05 93 00-0039	EA	Water Balancing, Converter	317.50	
		For Testing Of Unit Without Balancing, Deduct	*-158.75*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	52.89	
		For Testing Of Unit Without Balancing, Deduct	*-26.45*	
23 05 93 00-0041	EA	Water Balance, Convector	63.47	
		For Testing Of Unit Without Balancing, Deduct	*-31.74*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	79.35	
		For Testing Of Unit Without Balancing, Deduct	*-39.68*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	687.64	
		For Testing Of Unit Without Balancing, Deduct	*-343.82*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,269.50	
		For Testing Of Unit Without Balancing, Deduct	*-634.75*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,327.41	
		For Testing Of Unit Without Balancing, Deduct	*-1,163.71*	
23 05 93 00-0046		Non-Destructive Testing *(23 05 93)*		
23 05 93 00-0047		X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*		
23 05 93 00-0048		Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	874.49	
23 05 93 00-0050		**Piping, X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0047)*		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	89.14	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	101.35	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	113.56	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	120.05	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	126.51	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	133.71	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	146.64	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	159.59	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	166.79	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	173.99	
23 05 93 00-0061		**Liquid Penetration Of Welds, Non-Destructive Testing** *(23 05 93 00-0046)*		
23 05 93 00-0062		**Piping, Liquid Penetration Of Welds, Non-Destructive Testing** *(23 05 93 00-0061)*		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	117.86	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	123.61	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	129.35	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	132.22	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	136.53	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	140.84	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	149.45	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	158.06	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	166.68	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	175.30	
23 05 93 00-0073		**Hydrostatic Testing** *(23 05 93 00-0046)* Note: Includes flushing and restoring of system.		
23 05 93 00-0074		**Piping, Hydrostatic Testing** *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	755.70	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,079.56	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,293.52	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,722.99	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,610.58	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,004.77	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,435.81	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,709.31	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,239.86	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,388.52	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,309.47	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,866.57	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,969.33	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,579.98	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	3,903.02	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,700.01	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,423.65	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,560.63	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,358.54	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	5,088.71	
23 05 93 00-0095		**Pneumatic Testing** *(23 05 93 00-0046)* Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		**Piping, Pneumatic Testing** *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	859.89	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,226.77	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,325.71	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,698.76	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,658.06	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,122.01	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,592.95	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,723.24	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,208.74	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	3,454.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,351.31	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,906.72	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,157.47	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,757.79	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	4,319.76	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,759.60	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,478.97	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,805.71	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,586.14	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	5,625.33	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,023.87	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	99.18	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,572.19	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,192.05	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.85	2.16
		For Plain Blanket, With No Facing, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*0.86*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.49	2.16
		For Plain Blanket, With No Facing, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.01*	
23 07 13 00-0005	SF	2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.07	3.22
		For Plain Blanket, With No Facing, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*1.15*	
23 07 13 00-0006	SF	3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	6.01	3.77
		For Plain Blanket, With No Facing, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*1.35*	
23 07 13 00-0007	SF	4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	7.25	4.09
		For Plain Blanket, With No Facing, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*1.45*	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.72	3.22
		For Plain Blanket, With No Facing, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.08*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.52	3.77
		For Plain Blanket, With No Facing, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*1.24*	
23 07 13 00-0011	SF	2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation	6.51	4.30
		For Plain Blanket, With No Facing, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*1.47*	

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	6.24	4.30
		For Plain Blanket, With No Facing, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*1.30*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	8.27	4.84
		For Plain Blanket, With No Facing, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*1.48*	
23 07 13 00-0015	SF	2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	9.66	5.38
		For Plain Blanket, With No Facing, Deduct	*-1.57*	
		For Work In Restricted Working Space, Add	*1.72*	

23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0017	SF	1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	10.25	5.99
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*23.41*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*17.41*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*14.34*	
		For Work In Restricted Working Space, Add	*2.87*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	13.24	7.29
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*29.02*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*21.96*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*17.98*	
		For Work In Restricted Working Space, Add	*3.49*	
23 07 13 00-0019	SF	2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	16.57	8.80
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*35.43*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*27.09*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*22.11*	
		For Work In Restricted Working Space, Add	*4.21*	
23 07 13 00-0020		**4.253 LB/CF FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	11.53	6.60
		For Work In Restricted Working Space, Add	*3.15*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	15.08	8.02
		For Work In Restricted Working Space, Add	*3.83*	
23 07 13 00-0023	SF	2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	19.46	9.69
		For Work In Restricted Working Space, Add	*4.63*	
23 07 13 00-0024		**Sheet Flexible Elastomeric Insulation** *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	8.89	2.90
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	9.51	3.06
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	12.52	3.22
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	14.45	3.38
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	20.08	3.71
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	23.77	4.03
23 07 13 00-0031		**Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.25	3.06
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.58	3.22
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.25	3.38
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	25.46	3.71
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	30.19	4.03
23 07 13 00-0037		**Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.91	3.06
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.24	3.22
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.38	3.38
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.55	3.71
23 07 16		**HVAC Equipment Insulation** *(23 07)*		
23 07 16 00-0001		**Calcium Silicate Block Insulation** *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	18.07	7.20
		For Work In Restricted Working Space, Add	*4.32*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	21.72	8.11
		For Work In Restricted Working Space, Add	*4.86*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	26.10	9.34
		For Work In Restricted Working Space, Add	*5.63*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	31.13	10.97
		For Work In Restricted Working Space, Add	*6.59*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	38.03	13.51
		For Work In Restricted Working Space, Add	*8.10*	
23 07 19		**HVAC Piping Insulation** *(23 07)*		
		See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001		**Calcium Silicate Pipe Insulation** *(23 07 19)*		
		Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0594 for protective jacketing.		
23 07 19 00-0002		**1" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.96	3.54
		For Work In Restricted Working Space, Add	*2.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.96	3.54
		For Work In Restricted Working Space, Add	*2.65*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.91	3.59
		For Work In Restricted Working Space, Add	*2.69*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.10	3.64
		For Work In Restricted Working Space, Add	*2.73*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.27	3.69
		For Work In Restricted Working Space, Add	*2.77*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.15	3.79
		For Work In Restricted Working Space, Add	*2.84*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.79	3.95
		For Work In Restricted Working Space, Add	*2.96*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.41	4.05
		For Work In Restricted Working Space, Add	*3.03*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.51	4.35
		For Work In Restricted Working Space, Add	*3.26*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.53	4.92
		For Work In Restricted Working Space, Add	*3.68*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.56	3.69
		For Work In Restricted Working Space, Add	*2.76*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.63	3.69
		For Work In Restricted Working Space, Add	*2.76*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.58	3.90
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.14	3.98
		For Work In Restricted Working Space, Add	*2.98*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.71	4.05
		For Work In Restricted Working Space, Add	*3.04*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.83	4.27
		For Work In Restricted Working Space, Add	*3.20*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.58	4.34
		For Work In Restricted Working Space, Add	*3.26*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.25	4.49
		For Work In Restricted Working Space, Add	*3.37*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.27	4.86
		For Work In Restricted Working Space, Add	*3.64*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.52	5.67
		For Work In Restricted Working Space, Add	*4.25*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	27.36	5.98
		For Work In Restricted Working Space, Add	*4.49*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	34.32	7.16
		For Work In Restricted Working Space, Add	*5.37*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	40.32	8.34
		For Work In Restricted Working Space, Add	*6.26*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	44.86	9.15
		For Work In Restricted Working Space, Add	*6.86*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	53.72	11.64
		For Work In Restricted Working Space, Add	*8.73*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	57.77	12.22
		For Work In Restricted Working Space, Add	*9.16*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.99	4.05
		For Work In Restricted Working Space, Add	*3.03*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.36	4.05
		For Work In Restricted Working Space, Add	*3.03*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.89	4.10
		For Work In Restricted Working Space, Add	*3.08*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.57	4.15
		For Work In Restricted Working Space, Add	*3.11*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.04	4.20
		For Work In Restricted Working Space, Add	*3.15*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.84	4.35
		For Work In Restricted Working Space, Add	*3.26*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.06	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.48	4.66
		For Work In Restricted Working Space, Add	*3.50*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.81	4.92
		For Work In Restricted Working Space, Add	*3.69*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	30.36	5.90
		For Work In Restricted Working Space, Add	*4.43*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	34.16	6.23
		For Work In Restricted Working Space, Add	*4.67*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	41.99	7.45
		For Work In Restricted Working Space, Add	*5.59*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	48.27	8.93
		For Work In Restricted Working Space, Add	*6.69*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	59.67	12.45
		For Work In Restricted Working Space, Add	*9.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	62.59	12.45
		For Work In Restricted Working Space, Add	*9.34*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	67.00	13.08
		For Work In Restricted Working Space, Add	*9.80*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	79.62	14.94
		For Work In Restricted Working Space, Add	*11.21*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	92.96	18.05
		For Work In Restricted Working Space, Add	*13.54*	
23 07 19 00-0049		**2-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.32	4.66
		For Work In Restricted Working Space, Add	*3.50*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.71	4.66
		For Work In Restricted Working Space, Add	*3.50*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.07	4.74
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.27	4.78
		For Work In Restricted Working Space, Add	*3.59*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.78	4.82
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.70	5.02
		For Work In Restricted Working Space, Add	*3.76*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.36	5.19
		For Work In Restricted Working Space, Add	*3.89*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.82	5.37
		For Work In Restricted Working Space, Add	*4.03*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	29.62	5.66
		For Work In Restricted Working Space, Add	*4.25*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	36.66	6.43
		For Work In Restricted Working Space, Add	*4.82*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	41.78	7.17
		For Work In Restricted Working Space, Add	*5.38*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	49.79	8.27
		For Work In Restricted Working Space, Add	*6.20*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	58.18	10.28
		For Work In Restricted Working Space, Add	*7.71*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	64.31	11.22
		For Work In Restricted Working Space, Add	*8.42*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	78.32	14.35
		For Work In Restricted Working Space, Add	*10.76*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	82.69	15.06
		For Work In Restricted Working Space, Add	*11.30*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	95.83	17.22
		For Work In Restricted Working Space, Add	*12.91*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	112.80	20.79
		For Work In Restricted Working Space, Add	*15.60*	
23 07 19 00-0068		**3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.38	5.17
		For Work In Restricted Working Space, Add	*3.87*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.46	5.17
		For Work In Restricted Working Space, Add	*3.87*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.69	5.22
		For Work In Restricted Working Space, Add	*3.92*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.96	5.25
		For Work In Restricted Working Space, Add	*3.94*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.21	5.31
		For Work In Restricted Working Space, Add	*3.98*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.10	5.51
		For Work In Restricted Working Space, Add	*4.13*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.92	5.69
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.56	5.90
		For Work In Restricted Working Space, Add	*4.43*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.76	6.23
		For Work In Restricted Working Space, Add	*4.67*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	42.31	7.07
		For Work In Restricted Working Space, Add	*5.30*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.05	7.88
		For Work In Restricted Working Space, Add	*5.91*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	58.16	9.10
		For Work In Restricted Working Space, Add	*6.82*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	67.45	11.30
		For Work In Restricted Working Space, Add	*8.48*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	74.80	12.34
		For Work In Restricted Working Space, Add	*9.26*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	87.99	15.78
		For Work In Restricted Working Space, Add	*11.83*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	94.72	16.56
		For Work In Restricted Working Space, Add	*12.42*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	110.76	18.94
		For Work In Restricted Working Space, Add	*14.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	131.17	22.88
		For Work In Restricted Working Space, Add	*17.16*	
23 07 19 00-0087		**3-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.03	5.66
		For Work In Restricted Working Space, Add	*4.25*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.16	5.66
		For Work In Restricted Working Space, Add	*4.25*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.25	5.69
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.35	5.73
		For Work In Restricted Working Space, Add	*4.30*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	34.36	5.80
		For Work In Restricted Working Space, Add	*4.36*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.40	6.00
		For Work In Restricted Working Space, Add	*4.50*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.42	6.22
		For Work In Restricted Working Space, Add	*4.66*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.82	6.44
		For Work In Restricted Working Space, Add	*4.82*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.32	6.80
		For Work In Restricted Working Space, Add	*5.10*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	51.72	7.72
		For Work In Restricted Working Space, Add	*5.79*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	62.72	8.59
		For Work In Restricted Working Space, Add	*6.45*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	76.04	9.92
		For Work In Restricted Working Space, Add	*7.44*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	92.16	12.33
		For Work In Restricted Working Space, Add	*9.25*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	97.26	13.47
		For Work In Restricted Working Space, Add	*10.10*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	113.92	17.21
		For Work In Restricted Working Space, Add	*12.91*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	130.28	18.07
		For Work In Restricted Working Space, Add	*13.55*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	140.98	20.67
		For Work In Restricted Working Space, Add	*15.50*	
23 07 19 00-0105		**4" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.73	6.29
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.77	6.29
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.04	6.40
		For Work In Restricted Working Space, Add	*4.80*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.10	6.47
		For Work In Restricted Working Space, Add	*4.85*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.47	6.67
		For Work In Restricted Working Space, Add	*5.00*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.40	6.88
		For Work In Restricted Working Space, Add	*5.16*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	48.31	6.98
		For Work In Restricted Working Space, Add	*5.24*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.72	7.24
		For Work In Restricted Working Space, Add	*5.43*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	56.24	7.65
		For Work In Restricted Working Space, Add	*5.73*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	65.01	8.67
		For Work In Restricted Working Space, Add	*6.51*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	77.23	9.67
		For Work In Restricted Working Space, Add	*7.25*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	88.94	11.17
		For Work In Restricted Working Space, Add	*8.38*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	101.67	13.87
		For Work In Restricted Working Space, Add	*10.41*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	108.28	15.16
		For Work In Restricted Working Space, Add	*11.37*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	128.69	19.38
		For Work In Restricted Working Space, Add	*14.54*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	136.76	20.31
		For Work In Restricted Working Space, Add	*15.23*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	151.62	23.24
		For Work In Restricted Working Space, Add	*17.43*	
23 07 19 00-0123		**Weather-Protective Coating For Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	5.69	
		For Work In Restricted Working Space, Add	*1.00*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)		817.95	14.82
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)		843.65	19.98
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)		922.22	24.19
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)		1,004.29	30.63
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)		1,143.76	35.34
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)		1,291.77	41.76
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)		2,413.26	83.54
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)		2,612.66	97.75
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)		3,520.89	143.58
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)		5,180.80	207.50
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)		5,738.55	229.73
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)		876.93	22.23
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)		900.51	29.97
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)		973.72	36.27
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)		1,076.66	45.95
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)		1,385.82	53.02
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)		1,535.45	62.65
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)		2,704.95	125.31
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)		2,968.93	146.64
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)		4,319.47	215.37
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)		6,265.80	311.25
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)		6,966.24	344.60
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)		133.89	14.82
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)		157.65	19.98
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)		198.72	24.19
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)		163.30	22.23
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)		190.40	29.97
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)		238.26	36.27
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)		223.97	14.82
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)		265.24	19.98
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)		301.53	24.19
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)		392.42	30.63
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)		405.48	35.34
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)		516.95	41.76
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)		1,111.24	83.54
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)		1,304.73	97.75
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)		270.89	22.23
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)		312.76	29.97
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)		403.94	36.27
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)		573.80	45.95
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)		604.35	53.02
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)		801.85	62.65
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)		651.67	76.58
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)		683.90	83.54
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)		900.58	97.75
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)		1,373.24	164.10
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)		2,779.92	207.50
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)		2,931.53	229.73
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)		3,993.97	262.55
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)		4,900.32	321.63
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)		6,057.08	389.85
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)		6,727.44	459.46
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)		8,910.07	505.41
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)		10,805.38	561.46
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)		1,207.63	114.87
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)		1,423.87	125.31
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)		1,758.87	146.64
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)		2,248.70	246.14
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)		4,631.38	311.25
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)		4,792.10	344.60
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)		6,046.47	393.87
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)		8,008.90	482.43
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)		9,735.00	584.77
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)		15,222.25	689.19
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)		16,975.03	758.11
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)		26,170.58	842.20

23 09 23 11-0068 Valve Actuators *(23 09 23 11)*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	450.43	94.90
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	457.49	94.90
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	575.05	94.90
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	516.16	94.90
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	526.47	94.90
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	594.16	94.90
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	734.49	94.90
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	750.76	94.90
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	789.97	94.90
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	558.43	94.90
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	640.72	94.90
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	560.62	94.90
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	570.95	94.90
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	574.82	94.90
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	645.07	94.90
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	675.37	94.90
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	691.47	94.90
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	688.27	94.90
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	698.57	94.90
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	697.92	94.90
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	764.77	94.90
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	933.85	94.90
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	610.26	94.90
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	734.04	94.90
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,704.75	94.90
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,916.16	94.90
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,307.41	94.90
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,618.74	94.90
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,106.68	94.90
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,666.18	94.90
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	4,952.74	94.90
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	6,054.30	94.90

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Volume Control Dampers (Ruskin) *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002 Rectangular Volume Control Dampers (Ruskin CD36) *(23 09 23 12-0001)*

23 09 23 12-0003	EA	8" x 8" Volume Control Damper (Ruskin CD36)	155.90	45.83
23 09 23 12-0004	EA	8" x 12" Volume Control Damper (Ruskin CD36)	165.08	45.83
23 09 23 12-0005	EA	8" x 16" Volume Control Damper (Ruskin CD36)	176.17	45.83
23 09 23 12-0006	EA	8" x 20" Volume Control Damper (Ruskin CD36)	232.36	61.10
23 09 23 12-0007	EA	8" x 24" Volume Control Damper (Ruskin CD36)	248.81	61.10
23 09 23 12-0008	EA	8" x 28" Volume Control Damper (Ruskin CD36)	257.99	61.10
23 09 23 12-0009	EA	8" x 32" Volume Control Damper (Ruskin CD36)	282.08	61.10
23 09 23 12-0010	EA	8" x 36" Volume Control Damper (Ruskin CD36)	336.35	76.38
23 09 23 12-0011	EA	12" x 8" Volume Control Damper (Ruskin CD36)	165.08	45.83
23 09 23 12-0012	EA	12" x 12" Volume Control Damper (Ruskin CD36)	170.43	45.83
23 09 23 12-0013	EA	12" x 16" Volume Control Damper (Ruskin CD36)	212.09	61.10
23 09 23 12-0014	EA	12" x 20" Volume Control Damper (Ruskin CD36)	237.71	61.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0015	EA	12" x 24" Volume Control Damper (Ruskin CD36)	285.09	76.38
23 09 23 12-0016	EA	12" x 28" Volume Control Damper (Ruskin CD36)	294.27	76.38
23 09 23 12-0017	EA	12" x 32" Volume Control Damper (Ruskin CD36)	317.99	76.38
23 09 23 12-0018	EA	12" x 36" Volume Control Damper (Ruskin CD36)	372.25	91.64
23 09 23 12-0019	EA	16" x 8" Volume Control Damper (Ruskin CD36)	176.17	45.83
23 09 23 12-0020	EA	16" x 12" Volume Control Damper (Ruskin CD36)	219.35	61.10
23 09 23 12-0021	EA	16" x 16" Volume Control Damper (Ruskin CD36)	219.74	61.10
23 09 23 12-0022	EA	16" x 20" Volume Control Damper (Ruskin CD36)	274.00	76.38
23 09 23 12-0023	EA	16" x 24" Volume Control Damper (Ruskin CD36)	292.36	76.38
23 09 23 12-0024	EA	16" x 28" Volume Control Damper (Ruskin CD36)	335.53	91.64
23 09 23 12-0025	EA	16" x 32" Volume Control Damper (Ruskin CD36)	355.80	91.64
23 09 23 12-0026	EA	16" x 36" Volume Control Damper (Ruskin CD36)	377.99	91.64
23 09 23 12-0027	EA	20" x 8" Volume Control Damper (Ruskin CD36)	232.36	61.10
23 09 23 12-0028	EA	20" x 12" Volume Control Damper (Ruskin CD36)	208.64	61.10
23 09 23 12-0029	EA	20" x 16" Volume Control Damper (Ruskin CD36)	255.64	76.38
23 09 23 12-0030	EA	20" x 20" Volume Control Damper (Ruskin CD36)	279.36	76.38
23 09 23 12-0031	EA	20" x 24" Volume Control Damper (Ruskin CD36)	324.82	91.64
23 09 23 12-0032	EA	20" x 28" Volume Control Damper (Ruskin CD36)	346.62	91.64
23 09 23 12-0033	EA	20" x 32" Volume Control Damper (Ruskin CD36)	395.92	106.92
23 09 23 12-0034	EA	20" x 36" Volume Control Damper (Ruskin CD36)	415.81	106.92
23 09 23 12-0035	EA	24" x 8" Volume Control Damper (Ruskin CD36)	208.64	61.10
23 09 23 12-0036	EA	24" x 12" Volume Control Damper (Ruskin CD36)	244.55	76.38
23 09 23 12-0037	EA	24" x 16" Volume Control Damper (Ruskin CD36)	261.00	76.38
23 09 23 12-0038	EA	24" x 20" Volume Control Damper (Ruskin CD36)	317.17	91.64
23 09 23 12-0039	EA	24" x 24" Volume Control Damper (Ruskin CD36)	334.00	91.64
23 09 23 12-0040	EA	24" x 28" Volume Control Damper (Ruskin CD36)	384.44	106.92
23 09 23 12-0041	EA	24" x 32" Volume Control Damper (Ruskin CD36)	408.54	106.92
23 09 23 12-0042	EA	24" x 36" Volume Control Damper (Ruskin CD36)	426.90	106.92
23 09 23 12-0043	EA	28" x 8" Volume Control Damper (Ruskin CD36)	212.09	61.10
23 09 23 12-0044	EA	28" x 12" Volume Control Damper (Ruskin CD36)	248.37	76.38
23 09 23 12-0045	EA	28" x 16" Volume Control Damper (Ruskin CD36)	293.46	91.64
23 09 23 12-0046	EA	28" x 20" Volume Control Damper (Ruskin CD36)	322.91	91.64
23 09 23 12-0047	EA	28" x 24" Volume Control Damper (Ruskin CD36)	368.00	106.92
23 09 23 12-0048	EA	28" x 28" Volume Control Damper (Ruskin CD36)	390.18	106.92
23 09 23 12-0049	EA	28" x 32" Volume Control Damper (Ruskin CD36)	410.45	106.92
23 09 23 12-0050	EA	28" x 36" Volume Control Damper (Ruskin CD36)	437.99	106.92
23 09 23 12-0051	EA	32" x 8" Volume Control Damper (Ruskin CD36)	214.00	61.10
23 09 23 12-0052	EA	32" x 12" Volume Control Damper (Ruskin CD36)	249.90	76.38
23 09 23 12-0053	EA	32" x 16" Volume Control Damper (Ruskin CD36)	298.81	91.64
23 09 23 12-0054	EA	32" x 20" Volume Control Damper (Ruskin CD36)	355.37	106.92
23 09 23 12-0055	EA	32" x 24" Volume Control Damper (Ruskin CD36)	377.17	106.92
23 09 23 12-0056	EA	32" x 28" Volume Control Damper (Ruskin CD36)	397.45	106.92
23 09 23 12-0057	EA	32" x 32" Volume Control Damper (Ruskin CD36)	419.63	106.92
23 09 23 12-0058	EA	32" x 36" Volume Control Damper (Ruskin CD36)	475.80	122.20
23 09 23 12-0059	EA	36" x 8" Volume Control Damper (Ruskin CD36)	251.82	76.38
23 09 23 12-0060	EA	36" x 12" Volume Control Damper (Ruskin CD36)	288.10	91.64
23 09 23 12-0061	EA	36" x 16" Volume Control Damper (Ruskin CD36)	304.55	91.64
23 09 23 12-0062	EA	36" x 20" Volume Control Damper (Ruskin CD36)	360.73	106.92
23 09 23 12-0063	EA	36" x 24" Volume Control Damper (Ruskin CD36)	384.44	106.92
23 09 23 12-0064	EA	36" x 28" Volume Control Damper (Ruskin CD36)	408.54	106.92
23 09 23 12-0065	EA	36" x 32" Volume Control Damper (Ruskin CD36)	457.44	122.20
23 09 23 12-0066	EA	36" x 36" Volume Control Damper (Ruskin CD36)	483.07	122.20
23 09 23 12-0067	EA	36" x 40" Volume Control Damper (Ruskin CD36)	505.25	122.20
23 09 23 12-0068	EA	36" x 44" Volume Control Damper (Ruskin CD36)	528.97	122.20
23 09 23 12-0069	EA	36" x 48" Volume Control Damper (Ruskin CD36)	549.24	122.20
23 09 23 12-0070	EA	36" x 52" Volume Control Damper (Ruskin CD36)	572.95	122.20
23 09 23 12-0071	EA	36" x 56" Volume Control Damper (Ruskin CD36)	597.05	122.20
23 09 23 12-0072	EA	36" x 60" Volume Control Damper (Ruskin CD36)	616.94	122.20
23 09 23 12-0073	EA	36" x 64" Volume Control Damper (Ruskin CD36)	644.48	122.20
23 09 23 12-0074	EA	36" x 68" Volume Control Damper (Ruskin CD36)	697.21	137.47
23 09 23 12-0075	EA	36" x 72" Volume Control Damper (Ruskin CD36)	737.76	137.47
23 09 23 12-0076	EA	36" x 76" Volume Control Damper (Ruskin CD36)	861.69	137.47
23 09 23 12-0077	EA	36" x 80" Volume Control Damper (Ruskin CD36)	861.69	137.47
23 09 23 12-0078	EA	36" x 84" Volume Control Damper (Ruskin CD36)	915.24	137.47
23 09 23 12-0079	EA	40" x 40" Volume Control Damper (Ruskin CD36)	514.43	122.20
23 09 23 12-0080	EA	40" x 44" Volume Control Damper (Ruskin CD36)	538.15	122.20
23 09 23 12-0081	EA	40" x 48" Volume Control Damper (Ruskin CD36)	561.86	122.20
23 09 23 12-0082	EA	40" x 52" Volume Control Damper (Ruskin CD36)	587.87	122.20
23 09 23 12-0083	EA	40" x 56" Volume Control Damper (Ruskin CD36)	609.67	122.20
23 09 23 12-0084	EA	40" x 60" Volume Control Damper (Ruskin CD36)	660.49	137.47
23 09 23 12-0085	EA	40" x 64" Volume Control Damper (Ruskin CD36)	688.03	137.47
23 09 23 12-0086	EA	40" x 68" Volume Control Damper (Ruskin CD36)	713.66	137.47
23 09 23 12-0087	EA	40" x 72" Volume Control Damper (Ruskin CD36)	752.29	137.47
23 09 23 12-0088	EA	40" x 76" Volume Control Damper (Ruskin CD36)	882.34	137.47
23 09 23 12-0089	EA	40" x 80" Volume Control Damper (Ruskin CD36)	882.34	137.47
23 09 23 12-0090	EA	40" x 84" Volume Control Damper (Ruskin CD36)	935.89	137.47
23 09 23 12-0091	EA	44" x 40" Volume Control Damper (Ruskin CD36)	525.14	122.20
23 09 23 12-0092	EA	44" x 44" Volume Control Damper (Ruskin CD36)	549.24	122.20
23 09 23 12-0093	EA	44" x 48" Volume Control Damper (Ruskin CD36)	572.95	122.20
23 09 23 12-0094	EA	44" x 52" Volume Control Damper (Ruskin CD36)	598.58	122.20
23 09 23 12-0095	EA	44" x 56" Volume Control Damper (Ruskin CD36)	651.31	137.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0096	EA	44" x 60" Volume Control Damper (Ruskin CD36)	676.94	137.47
23 09 23 12-0097	EA	44" x 64" Volume Control Damper (Ruskin CD36)	701.04	137.47
23 09 23 12-0098	EA	44" x 68" Volume Control Damper (Ruskin CD36)	730.11	137.47
23 09 23 12-0099	EA	44" x 72" Volume Control Damper (Ruskin CD36)	768.74	137.47
23 09 23 12-0100	EA	44" x 76" Volume Control Damper (Ruskin CD36)	906.82	137.47
23 09 23 12-0101	EA	44" x 80" Volume Control Damper (Ruskin CD36)	906.82	137.47
23 09 23 12-0102	EA	44" x 84" Volume Control Damper (Ruskin CD36)	991.31	152.75
23 09 23 12-0103	EA	40" x 40" Volume Control Damper (Ruskin CD36)	514.43	122.20
23 09 23 12-0104	EA	40" x 44" Volume Control Damper (Ruskin CD36)	538.15	122.20
23 09 23 12-0105	EA	40" x 48" Volume Control Damper (Ruskin CD36)	561.86	122.20
23 09 23 12-0106	EA	40" x 52" Volume Control Damper (Ruskin CD36)	587.87	122.20
23 09 23 12-0107	EA	40" x 56" Volume Control Damper (Ruskin CD36)	609.67	122.20
23 09 23 12-0108	EA	40" x 60" Volume Control Damper (Ruskin CD36)	660.49	137.47
23 09 23 12-0109	EA	40" x 64" Volume Control Damper (Ruskin CD36)	688.03	137.47
23 09 23 12-0110	EA	40" x 68" Volume Control Damper (Ruskin CD36)	713.66	137.47
23 09 23 12-0111	EA	40" x 72" Volume Control Damper (Ruskin CD36)	752.29	137.47
23 09 23 12-0112	EA	40" x 76" Volume Control Damper (Ruskin CD36)	882.34	137.47
23 09 23 12-0113	EA	40" x 80" Volume Control Damper (Ruskin CD36)	882.34	137.47
23 09 23 12-0114	EA	40" x 84" Volume Control Damper (Ruskin CD36)	935.89	137.47
23 09 23 12-0115	EA	44" x 40" Volume Control Damper (Ruskin CD36)	525.14	122.20
23 09 23 12-0116	EA	44" x 44" Volume Control Damper (Ruskin CD36)	549.24	122.20
23 09 23 12-0117	EA	44" x 48" Volume Control Damper (Ruskin CD36)	572.95	122.20
23 09 23 12-0118	EA	44" x 52" Volume Control Damper (Ruskin CD36)	598.58	122.20
23 09 23 12-0119	EA	44" x 56" Volume Control Damper (Ruskin CD36)	651.31	137.47
23 09 23 12-0120	EA	44" x 60" Volume Control Damper (Ruskin CD36)	676.94	137.47
23 09 23 12-0121	EA	44" x 64" Volume Control Damper (Ruskin CD36)	701.04	137.47
23 09 23 12-0122	EA	44" x 68" Volume Control Damper (Ruskin CD36)	730.11	137.47
23 09 23 12-0123	EA	44" x 72" Volume Control Damper (Ruskin CD36)	768.74	137.47
23 09 23 12-0124	EA	44" x 76" Volume Control Damper (Ruskin CD36)	906.82	137.47
23 09 23 12-0125	EA	44" x 80" Volume Control Damper (Ruskin CD36)	906.82	137.47
23 09 23 12-0126	EA	44" x 84" Volume Control Damper (Ruskin CD36)	991.31	152.75
23 09 23 12-0127	EA	48" x 40" Volume Control Damper (Ruskin CD36)	536.23	122.20
23 09 23 12-0128	EA	48" x 44" Volume Control Damper (Ruskin CD36)	560.33	122.20
23 09 23 12-0129	EA	48" x 48" Volume Control Damper (Ruskin CD36)	585.96	122.20
23 09 23 12-0130	EA	48" x 52" Volume Control Damper (Ruskin CD36)	642.13	137.47
23 09 23 12-0131	EA	48" x 56" Volume Control Damper (Ruskin CD36)	665.85	137.47
23 09 23 12-0132	EA	48" x 60" Volume Control Damper (Ruskin CD36)	688.03	137.47
23 09 23 12-0133	EA	48" x 64" Volume Control Damper (Ruskin CD36)	715.57	137.47
23 09 23 12-0134	EA	48" x 68" Volume Control Damper (Ruskin CD36)	743.11	137.47
23 09 23 12-0135	EA	48" x 72" Volume Control Damper (Ruskin CD36)	787.10	137.47
23 09 23 12-0136	EA	48" x 76" Volume Control Damper (Ruskin CD36)	962.24	152.75
23 09 23 12-0137	EA	48" x 80" Volume Control Damper (Ruskin CD36)	962.24	152.75
23 09 23 12-0138	EA	48" x 84" Volume Control Damper (Ruskin CD36)	1,016.17	152.75
23 09 23 12-0139	EA	52" x 40" Volume Control Damper (Ruskin CD36)	795.18	122.20
23 09 23 12-0140	EA	52" x 44" Volume Control Damper (Ruskin CD36)	831.90	122.20
23 09 23 12-0141	EA	52" x 48" Volume Control Damper (Ruskin CD36)	919.44	137.47
23 09 23 12-0142	EA	52" x 52" Volume Control Damper (Ruskin CD36)	970.70	137.47
23 09 23 12-0143	EA	52" x 56" Volume Control Damper (Ruskin CD36)	1,007.42	137.47
23 09 23 12-0144	EA	52" x 60" Volume Control Damper (Ruskin CD36)	1,049.87	137.47
23 09 23 12-0145	EA	52" x 64" Volume Control Damper (Ruskin CD36)	1,104.95	137.47
23 09 23 12-0146	EA	52" x 68" Volume Control Damper (Ruskin CD36)	1,163.47	137.47
23 09 23 12-0147	EA	52" x 72" Volume Control Damper (Ruskin CD36)	1,264.03	152.75
23 09 23 12-0148	EA	52" x 76" Volume Control Damper (Ruskin CD36)	1,395.99	152.75
23 09 23 12-0149	EA	52" x 80" Volume Control Damper (Ruskin CD36)	1,396.37	152.75
23 09 23 12-0150	EA	52" x 84" Volume Control Damper (Ruskin CD36)	1,478.61	152.75
23 09 23 12-0151	EA	56" x 40" Volume Control Damper (Ruskin CD36)	802.45	122.20
23 09 23 12-0152	EA	56" x 44" Volume Control Damper (Ruskin CD36)	875.46	137.47
23 09 23 12-0153	EA	56" x 48" Volume Control Damper (Ruskin CD36)	930.53	137.47
23 09 23 12-0154	EA	56" x 52" Volume Control Damper (Ruskin CD36)	976.43	137.47
23 09 23 12-0155	EA	56" x 56" Volume Control Damper (Ruskin CD36)	1,018.51	137.47
23 09 23 12-0156	EA	56" x 60" Volume Control Damper (Ruskin CD36)	1,066.32	137.47
23 09 23 12-0157	EA	56" x 64" Volume Control Damper (Ruskin CD36)	1,119.49	137.47
23 09 23 12-0158	EA	56" x 68" Volume Control Damper (Ruskin CD36)	1,216.22	152.75
23 09 23 12-0159	EA	56" x 72" Volume Control Damper (Ruskin CD36)	1,289.66	152.75
23 09 23 12-0160	EA	56" x 76" Volume Control Damper (Ruskin CD36)	1,395.99	152.75
23 09 23 12-0161	EA	56" x 80" Volume Control Damper (Ruskin CD36)	1,395.99	152.75
23 09 23 12-0162	EA	56" x 84" Volume Control Damper (Ruskin CD36)	1,478.61	152.75
23 09 23 12-0163	EA	60" x 40" Volume Control Damper (Ruskin CD36)	844.09	137.47
23 09 23 12-0164	EA	60" x 44" Volume Control Damper (Ruskin CD36)	891.90	137.47
23 09 23 12-0165	EA	60" x 48" Volume Control Damper (Ruskin CD36)	945.07	137.47
23 09 23 12-0166	EA	60" x 52" Volume Control Damper (Ruskin CD36)	992.88	137.47
23 09 23 12-0167	EA	60" x 56" Volume Control Damper (Ruskin CD36)	1,044.14	137.47
23 09 23 12-0168	EA	60" x 60" Volume Control Damper (Ruskin CD36)	1,082.77	137.47
23 09 23 12-0169	EA	60" x 64" Volume Control Damper (Ruskin CD36)	1,166.49	152.75
23 09 23 12-0170	EA	60" x 68" Volume Control Damper (Ruskin CD36)	1,230.75	152.75
23 09 23 12-0171	EA	60" x 72" Volume Control Damper (Ruskin CD36)	1,315.28	152.75
23 09 23 12-0172	EA	60" x 76" Volume Control Damper (Ruskin CD36)	1,437.30	152.75
23 09 23 12-0173	EA	60" x 80" Volume Control Damper (Ruskin CD36)	1,437.30	152.75
23 09 23 12-0174	EA	60" x 84" Volume Control Damper (Ruskin CD36)	1,544.78	152.75
23 09 23 12-0175	EA	64" x 40" Volume Control Damper (Ruskin CD36)	855.18	137.47
23 09 23 12-0176	EA	64" x 44" Volume Control Damper (Ruskin CD36)	908.35	137.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0177	EA	64" x 48" Volume Control Damper (Ruskin CD36)	959.60	137.47
23 09 23 12-0178	EA	64" x 52" Volume Control Damper (Ruskin CD36)	1,005.50	137.47
23 09 23 12-0179	EA	64" x 56" Volume Control Damper (Ruskin CD36)	1,057.14	137.47
23 09 23 12-0180	EA	64" x 60" Volume Control Damper (Ruskin CD36)	1,129.77	152.75
23 09 23 12-0181	EA	64" x 64" Volume Control Damper (Ruskin CD36)	1,181.41	152.75
23 09 23 12-0182	EA	64" x 68" Volume Control Damper (Ruskin CD36)	1,243.76	152.75
23 09 23 12-0183	EA	64" x 72" Volume Control Damper (Ruskin CD36)	1,340.91	152.75
23 09 23 12-0184	EA	64" x 76" Volume Control Damper (Ruskin CD36)	1,437.30	152.75
23 09 23 12-0185	EA	64" x 80" Volume Control Damper (Ruskin CD36)	1,437.30	152.75
23 09 23 12-0186	EA	64" x 84" Volume Control Damper (Ruskin CD36)	1,575.33	168.02
23 09 23 12-0187	EA	66" x 40" Volume Control Damper (Ruskin CD36)	864.36	137.47
23 09 23 12-0188	EA	66" x 44" Volume Control Damper (Ruskin CD36)	919.44	137.47
23 09 23 12-0189	EA	66" x 48" Volume Control Damper (Ruskin CD36)	968.78	137.47
23 09 23 12-0190	EA	66" x 52" Volume Control Damper (Ruskin CD36)	1,018.51	137.47
23 09 23 12-0191	EA	66" x 56" Volume Control Damper (Ruskin CD36)	1,102.24	152.75
23 09 23 12-0192	EA	66" x 60" Volume Control Damper (Ruskin CD36)	1,146.22	152.75
23 09 23 12-0193	EA	66" x 64" Volume Control Damper (Ruskin CD36)	1,203.21	152.75
23 09 23 12-0194	EA	66" x 68" Volume Control Damper (Ruskin CD36)	1,260.20	152.75
23 09 23 12-0195	EA	66" x 72" Volume Control Damper (Ruskin CD36)	1,355.83	152.75
23 09 23 12-0196	EA	66" x 76" Volume Control Damper (Ruskin CD36)	1,478.61	152.75
23 09 23 12-0197	EA	66" x 80" Volume Control Damper (Ruskin CD36)	1,509.16	168.02
23 09 23 12-0198	EA	66" x 84" Volume Control Damper (Ruskin CD36)	1,616.64	168.02
23 09 23 12-0199	EA	72" x 40" Volume Control Damper (Ruskin CD36)	875.07	137.47
23 09 23 12-0200	EA	72" x 44" Volume Control Damper (Ruskin CD36)	930.53	137.47
23 09 23 12-0201	EA	72" x 48" Volume Control Damper (Ruskin CD36)	976.43	137.47
23 09 23 12-0202	EA	72" x 52" Volume Control Damper (Ruskin CD36)	1,062.07	152.75
23 09 23 12-0203	EA	72" x 56" Volume Control Damper (Ruskin CD36)	1,117.15	152.75
23 09 23 12-0204	EA	72" x 60" Volume Control Damper (Ruskin CD36)	1,163.05	152.75
23 09 23 12-0205	EA	72" x 64" Volume Control Damper (Ruskin CD36)	1,227.31	152.75
23 09 23 12-0206	EA	72" x 68" Volume Control Damper (Ruskin CD36)	1,276.65	152.75
23 09 23 12-0207	EA	72" x 72" Volume Control Damper (Ruskin CD36)	1,370.36	152.75
23 09 23 12-0208	EA	72" x 76" Volume Control Damper (Ruskin CD36)	1,509.16	168.02
23 09 23 12-0209	EA	72" x 80" Volume Control Damper (Ruskin CD36)	1,509.16	168.02
23 09 23 12-0210	EA	72" x 84" Volume Control Damper (Ruskin CD36)	1,616.64	168.02
23 09 23 12-0211	EA	76" x 40" Volume Control Damper (Ruskin CD36)	886.17	137.47
23 09 23 12-0212	EA	76" x 44" Volume Control Damper (Ruskin CD36)	939.71	137.47
23 09 23 12-0213	EA	76" x 48" Volume Control Damper (Ruskin CD36)	1,021.53	152.75
23 09 23 12-0214	EA	76" x 52" Volume Control Damper (Ruskin CD36)	1,076.61	152.75
23 09 23 12-0215	EA	76" x 56" Volume Control Damper (Ruskin CD36)	1,131.69	152.75
23 09 23 12-0216	EA	76" x 60" Volume Control Damper (Ruskin CD36)	1,177.59	152.75
23 09 23 12-0217	EA	76" x 64" Volume Control Damper (Ruskin CD36)	1,241.85	152.75
23 09 23 12-0218	EA	76" x 68" Volume Control Damper (Ruskin CD36)	1,304.19	152.75
23 09 23 12-0219	EA	76" x 72" Volume Control Damper (Ruskin CD36)	1,417.36	168.02
23 09 23 12-0220	EA	76" x 76" Volume Control Damper (Ruskin CD36)	1,550.47	168.02
23 09 23 12-0221	EA	76" x 80" Volume Control Damper (Ruskin CD36)	1,550.47	168.02
23 09 23 12-0222	EA	76" x 84" Volume Control Damper (Ruskin CD36)	1,657.95	168.02
23 09 23 12-0223	EA	80" x 40" Volume Control Damper (Ruskin CD36)	897.26	137.47
23 09 23 12-0224	EA	80" x 44" Volume Control Damper (Ruskin CD36)	950.42	137.47
23 09 23 12-0225	EA	80" x 48" Volume Control Damper (Ruskin CD36)	1,036.06	152.75
23 09 23 12-0226	EA	80" x 52" Volume Control Damper (Ruskin CD36)	1,096.88	152.75
23 09 23 12-0227	EA	80" x 56" Volume Control Damper (Ruskin CD36)	1,146.22	152.75
23 09 23 12-0228	EA	80" x 60" Volume Control Damper (Ruskin CD36)	1,192.12	152.75
23 09 23 12-0229	EA	80" x 64" Volume Control Damper (Ruskin CD36)	1,256.38	152.75
23 09 23 12-0230	EA	80" x 68" Volume Control Damper (Ruskin CD36)	1,345.83	168.02
23 09 23 12-0231	EA	80" x 72" Volume Control Damper (Ruskin CD36)	1,433.81	168.02
23 09 23 12-0232	EA	80" x 76" Volume Control Damper (Ruskin CD36)	1,550.47	168.02
23 09 23 12-0233	EA	80" x 80" Volume Control Damper (Ruskin CD36)	1,550.47	168.02
23 09 23 12-0234	EA	80" x 84" Volume Control Damper (Ruskin CD36)	1,657.95	168.02
23 09 23 12-0235	EA	84" x 40" Volume Control Damper (Ruskin CD36)	904.53	137.47
23 09 23 12-0236	EA	84" x 44" Volume Control Damper (Ruskin CD36)	990.16	152.75
23 09 23 12-0237	EA	84" x 48" Volume Control Damper (Ruskin CD36)	1,050.98	152.75
23 09 23 12-0238	EA	84" x 52" Volume Control Damper (Ruskin CD36)	1,117.15	152.75
23 09 23 12-0239	EA	84" x 56" Volume Control Damper (Ruskin CD36)	1,157.31	152.75
23 09 23 12-0240	EA	84" x 60" Volume Control Damper (Ruskin CD36)	1,207.04	152.75
23 09 23 12-0241	EA	84" x 64" Volume Control Damper (Ruskin CD36)	1,301.85	168.02
23 09 23 12-0242	EA	84" x 68" Volume Control Damper (Ruskin CD36)	1,366.11	168.02
23 09 23 12-0243	EA	84" x 72" Volume Control Damper (Ruskin CD36)	1,450.64	168.02
23 09 23 12-0244	EA	84" x 76" Volume Control Damper (Ruskin CD36)	1,600.19	168.02
23 09 23 12-0245	EA	84" x 80" Volume Control Damper (Ruskin CD36)	1,600.19	168.02
23 09 23 12-0246	EA	84" x 84" Volume Control Damper (Ruskin CD36)	1,707.67	168.02
23 09 23 12-0247		Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) *(23 09 23 12-0001)*		
23 09 23 12-0248	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	246.97	45.83
23 09 23 12-0249	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	301.90	45.83
23 09 23 12-0250	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	339.79	45.83
23 09 23 12-0251	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	376.03	61.10
23 09 23 12-0252	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	415.81	61.10
23 09 23 12-0253	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	451.80	61.10
23 09 23 12-0254	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	457.48	61.10
23 09 23 12-0255	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	525.92	76.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0256	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	246.97	45.83
23 09 23 12-0257	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	301.90	45.83
23 09 23 12-0258	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	370.35	61.10
23 09 23 12-0259	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	376.03	61.10
23 09 23 12-0260	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	446.36	76.38
23 09 23 12-0261	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	482.35	76.38
23 09 23 12-0262	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	488.03	76.38
23 09 23 12-0263	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	556.47	91.64
23 09 23 12-0264	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	254.55	45.83
23 09 23 12-0265	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	345.72	61.10
23 09 23 12-0266	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	389.29	61.10
23 09 23 12-0267	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	423.63	76.38
23 09 23 12-0268	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	467.20	76.38
23 09 23 12-0269	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	535.63	91.64
23 09 23 12-0270	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	541.31	91.64
23 09 23 12-0271	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	588.67	91.64
23 09 23 12-0272	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	300.26	61.10
23 09 23 12-0273	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	370.35	61.10
23 09 23 12-0274	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	446.36	76.38
23 09 23 12-0275	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	452.04	76.38
23 09 23 12-0276	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	520.48	91.64
23 09 23 12-0277	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	569.73	91.64
23 09 23 12-0278	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	613.54	106.92
23 09 23 12-0279	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	651.42	106.92
23 09 23 12-0280	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	315.41	61.10
23 09 23 12-0281	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	416.05	76.38
23 09 23 12-0282	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	461.51	76.38
23 09 23 12-0283	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	499.64	91.64
23 09 23 12-0284	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	550.79	91.64
23 09 23 12-0285	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	628.69	106.92
23 09 23 12-0286	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	638.16	106.92
23 09 23 12-0287	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	685.52	106.92
23 09 23 12-0288	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	322.99	61.10
23 09 23 12-0289	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	429.31	76.38
23 09 23 12-0290	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	509.11	91.64
23 09 23 12-0291	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	518.58	91.64
23 09 23 12-0292	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	604.07	106.92
23 09 23 12-0293	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	653.32	106.92
23 09 23 12-0294	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	657.11	106.92
23 09 23 12-0295	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	717.72	106.92
23 09 23 12-0296	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	340.04	61.10
23 09 23 12-0297	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	450.15	76.38
23 09 23 12-0298	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	541.31	91.64
23 09 23 12-0299	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	577.55	106.92
23 09 23 12-0300	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	638.16	106.92
23 09 23 12-0301	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	683.63	106.92
23 09 23 12-0302	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	694.99	106.92
23 09 23 12-0303	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	780.46	122.20
23 09 23 12-0304	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	387.64	76.38
23 09 23 12-0305	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	497.75	91.64
23 09 23 12-0306	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	556.47	91.64
23 09 23 12-0307	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	592.70	106.92
23 09 23 12-0308	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	657.11	106.92
23 09 23 12-0309	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	719.62	106.92
23 09 23 12-0310	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	753.94	122.20
23 09 23 12-0311	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	816.46	122.20
23 09 23 12-0312	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	871.39	122.20
23 09 23 12-0313	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	884.65	122.20
23 09 23 12-0314	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	949.05	122.20
23 09 23 12-0315	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,007.78	122.20
23 09 23 12-0316	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,021.03	122.20
23 09 23 12-0317	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,075.97	122.20
23 09 23 12-0318	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,132.80	122.20
23 09 23 12-0319	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,174.71	137.47
23 09 23 12-0320	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,233.43	137.47
23 09 23 12-0321	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,654.43	137.47
23 09 23 12-0322	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,654.43	137.47
23 09 23 12-0323	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,683.32	137.47
23 09 23 12-0324	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	911.17	122.20
23 09 23 12-0325	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	922.53	122.20
23 09 23 12-0326	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	985.04	122.20
23 09 23 12-0327	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,053.24	122.20
23 09 23 12-0328	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,058.92	122.20
23 09 23 12-0329	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,151.98	137.47
23 09 23 12-0330	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,216.39	137.47
23 09 23 12-0331	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,233.43	137.47
23 09 23 12-0332	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,297.84	137.47
23 09 23 12-0333	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,742.04	137.47
23 09 23 12-0334	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,742.04	137.47
23 09 23 12-0335	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,766.67	137.47
23 09 23 12-0336	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	943.37	122.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0337	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	960.42	122.20
23 09 23 12-0338	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,024.82	122.20
23 09 23 12-0339	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,100.59	122.20
23 09 23 12-0340	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,136.83	137.47
23 09 23 12-0341	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,201.23	137.47
23 09 23 12-0342	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,273.21	137.47
23 09 23 12-0343	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,290.26	137.47
23 09 23 12-0344	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,352.77	137.47
23 09 23 12-0345	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,812.60	137.47
23 09 23 12-0346	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,812.60	137.47
23 09 23 12-0347	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,880.57	152.75
23 09 23 12-0348	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	911.17	122.20
23 09 23 12-0349	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	922.53	122.20
23 09 23 12-0350	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	985.04	122.20
23 09 23 12-0351	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,053.24	122.20
23 09 23 12-0352	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,058.92	122.20
23 09 23 12-0353	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,151.98	137.47
23 09 23 12-0354	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,216.39	137.47
23 09 23 12-0355	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,233.43	137.47
23 09 23 12-0356	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,297.84	137.47
23 09 23 12-0357	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,742.04	137.47
23 09 23 12-0358	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,742.04	137.47
23 09 23 12-0359	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,766.67	137.47
23 09 23 12-0360	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	943.37	122.20
23 09 23 12-0361	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	960.42	122.20
23 09 23 12-0362	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	985.04	122.20
23 09 23 12-0363	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,053.24	122.20
23 09 23 12-0364	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,136.83	137.47
23 09 23 12-0365	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,201.23	137.47
23 09 23 12-0366	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,273.21	137.47
23 09 23 12-0367	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,290.26	137.47
23 09 23 12-0368	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,352.77	137.47
23 09 23 12-0369	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,812.60	137.47
23 09 23 12-0370	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,812.60	137.47
23 09 23 12-0371	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,880.57	152.75
23 09 23 12-0372	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	979.36	122.20
23 09 23 12-0373	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	994.52	122.20
23 09 23 12-0374	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,068.39	122.20
23 09 23 12-0375	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,174.71	137.47
23 09 23 12-0376	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,189.87	137.47
23 09 23 12-0377	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,252.38	137.47
23 09 23 12-0378	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,324.36	137.47
23 09 23 12-0379	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,337.62	137.47
23 09 23 12-0380	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,407.71	137.47
23 09 23 12-0381	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,922.25	152.75
23 09 23 12-0382	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,922.25	152.75
23 09 23 12-0383	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,955.87	152.75
23 09 23 12-0384	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,093.02	122.20
23 09 23 12-0385	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,108.17	122.20
23 09 23 12-0386	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,220.17	137.47
23 09 23 12-0387	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,311.10	137.47
23 09 23 12-0388	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,326.25	137.47
23 09 23 12-0389	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,398.23	137.47
23 09 23 12-0390	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,475.90	137.47
23 09 23 12-0391	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,506.21	137.47
23 09 23 12-0392	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,633.37	152.75
23 09 23 12-0393	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,722.57	152.75
23 09 23 12-0394	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,722.57	152.75
23 09 23 12-0395	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,822.49	152.75
23 09 23 12-0396	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,132.80	122.20
23 09 23 12-0397	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,182.29	137.47
23 09 23 12-0398	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,263.74	137.47
23 09 23 12-0399	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,367.93	137.47
23 09 23 12-0400	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,384.97	137.47
23 09 23 12-0401	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,462.64	137.47
23 09 23 12-0402	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,544.09	137.47
23 09 23 12-0403	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,603.07	152.75
23 09 23 12-0404	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,682.62	152.75
23 09 23 12-0405	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,722.57	152.75
23 09 23 12-0406	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,722.57	152.75
23 09 23 12-0407	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,822.49	152.75
23 09 23 12-0408	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,205.02	137.47
23 09 23 12-0409	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,220.17	137.47
23 09 23 12-0410	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,316.78	137.47
23 09 23 12-0411	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,413.39	137.47
23 09 23 12-0412	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,432.33	137.47
23 09 23 12-0413	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,513.78	137.47
23 09 23 12-0414	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,633.37	152.75
23 09 23 12-0415	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,652.32	152.75
23 09 23 12-0416	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,748.92	152.75
23 09 23 12-0417	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.94	152.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0418	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.94	152.75
23 09 23 12-0419	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,964.09	152.75
23 09 23 12-0420	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,589.55	137.47
23 09 23 12-0421	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,606.60	137.47
23 09 23 12-0422	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,760.04	137.47
23 09 23 12-0423	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,858.54	137.47
23 09 23 12-0424	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,892.63	137.47
23 09 23 12-0425	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,033.06	152.75
23 09 23 12-0426	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,154.29	152.75
23 09 23 12-0427	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,184.60	152.75
23 09 23 12-0428	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,285.00	152.75
23 09 23 12-0429	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.94	152.75
23 09 23 12-0430	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.94	152.75
23 09 23 12-0431	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,994.64	168.02
23 09 23 12-0432	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,625.54	137.47
23 09 23 12-0433	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,644.49	137.47
23 09 23 12-0434	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,790.34	137.47
23 09 23 12-0435	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,907.79	137.47
23 09 23 12-0436	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,966.76	152.75
23 09 23 12-0437	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,082.31	152.75
23 09 23 12-0438	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,207.33	152.75
23 09 23 12-0439	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,235.75	152.75
23 09 23 12-0440	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,362.66	152.75
23 09 23 12-0441	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,064.48	152.75
23 09 23 12-0442	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,095.03	168.02
23 09 23 12-0443	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,153.28	168.02
23 09 23 12-0444	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,657.75	137.47
23 09 23 12-0445	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,682.37	137.47
23 09 23 12-0446	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,824.44	137.47
23 09 23 12-0447	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,985.71	152.75
23 09 23 12-0448	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,012.22	152.75
23 09 23 12-0449	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,133.46	152.75
23 09 23 12-0450	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,260.37	152.75
23 09 23 12-0451	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,285.00	152.75
23 09 23 12-0452	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,417.60	152.75
23 09 23 12-0453	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,095.03	168.02
23 09 23 12-0454	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,095.03	168.02
23 09 23 12-0455	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,153.28	168.02
23 09 23 12-0456	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,697.53	137.47
23 09 23 12-0457	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,724.05	137.47
23 09 23 12-0458	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,896.68	152.75
23 09 23 12-0459	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,034.96	152.75
23 09 23 12-0460	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,052.00	152.75
23 09 23 12-0461	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,184.60	152.75
23 09 23 12-0462	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,319.09	152.75
23 09 23 12-0463	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,351.30	152.75
23 09 23 12-0464	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,516.34	168.02
23 09 23 12-0465	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,269.78	168.02
23 09 23 12-0466	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,269.78	168.02
23 09 23 12-0467	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,319.98	168.02
23 09 23 12-0468	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,741.09	137.47
23 09 23 12-0469	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,765.72	137.47
23 09 23 12-0470	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,936.45	152.75
23 09 23 12-0471	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,082.31	152.75
23 09 23 12-0472	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,095.57	152.75
23 09 23 12-0473	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,235.75	152.75
23 09 23 12-0474	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,377.82	152.75
23 09 23 12-0475	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,448.15	168.02
23 09 23 12-0476	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,586.43	168.02
23 09 23 12-0477	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,269.78	168.02
23 09 23 12-0478	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,269.78	168.02
23 09 23 12-0479	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,319.98	168.02
23 09 23 12-0480	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,777.08	137.47
23 09 23 12-0481	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,824.69	152.75
23 09 23 12-0482	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,968.66	152.75
23 09 23 12-0483	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,131.56	152.75
23 09 23 12-0484	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,139.14	152.75
23 09 23 12-0485	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,271.74	152.75
23 09 23 12-0486	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,453.83	168.02
23 09 23 12-0487	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,495.50	168.02
23 09 23 12-0488	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,635.68	168.02
23 09 23 12-0489	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,411.37	168.02
23 09 23 12-0490	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,411.37	168.02
23 09 23 12-0491	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,486.67	168.02

23 09 23 12-0492 Rectangular Volume Control Dampers (TAMCO) *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0493 Air-Foil Control Damper (TAMCO Series 1000) *(23 09 23 12-0492)*

23 09 23 12-0494	EA	12" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	230.12	45.83
23 09 23 12-0495	EA	12" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	276.73	61.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0496	EA	12" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	292.80	61.10
23 09 23 12-0497	EA	12" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	357.46	76.38
23 09 23 12-0498	EA	12" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	367.24	76.38
23 09 23 12-0499	EA	12" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	377.01	76.38
23 09 23 12-0500	EA	12" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	423.57	91.64
23 09 23 12-0501	EA	16" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	262.63	61.10
23 09 23 12-0502	EA	16" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	264.58	61.10
23 09 23 12-0503	EA	16" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	330.72	76.38
23 09 23 12-0504	EA	16" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	366.32	76.38
23 09 23 12-0505	EA	16" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	410.85	91.64
23 09 23 12-0506	EA	16" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	443.35	91.64
23 09 23 12-0507	EA	16" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	475.86	91.64
23 09 23 12-0508	EA	20" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	297.74	61.10
23 09 23 12-0509	EA	20" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	330.72	76.38
23 09 23 12-0510	EA	20" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	355.92	76.38
23 09 23 12-0511	EA	20" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	427.10	91.64
23 09 23 12-0512	EA	20" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	467.73	91.64
23 09 23 12-0513	EA	20" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	538.92	106.92
23 09 23 12-0514	EA	20" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	579.55	106.92
23 09 23 12-0515	EA	24" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	299.03	76.38
23 09 23 12-0516	EA	24" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	347.79	76.38
23 09 23 12-0517	EA	24" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	412.47	91.64
23 09 23 12-0518	EA	24" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	458.31	91.64
23 09 23 12-0519	EA	24" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	534.69	106.92
23 09 23 12-0520	EA	24" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	580.53	106.92
23 09 23 12-0521	EA	24" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	626.36	106.92
23 09 23 12-0522	EA	28" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	329.22	76.38
23 09 23 12-0523	EA	28" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	407.89	91.64
23 09 23 12-0524	EA	28" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	450.66	91.64
23 09 23 12-0525	EA	28" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	534.69	106.92
23 09 23 12-0526	EA	28" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	588.17	106.92
23 09 23 12-0527	EA	28" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	641.63	106.92
23 09 23 12-0528	EA	28" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	695.11	106.92
23 09 23 12-0529	EA	32" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	354.89	76.38
23 09 23 12-0530	EA	32" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	440.58	91.64
23 09 23 12-0531	EA	32" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	520.14	106.92
23 09 23 12-0532	EA	32" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	581.38	106.92
23 09 23 12-0533	EA	32" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	642.65	106.92
23 09 23 12-0534	EA	32" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	703.91	106.92
23 09 23 12-0535	EA	32" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	795.71	122.20
23 09 23 12-0536	EA	36" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	390.04	91.64
23 09 23 12-0537	EA	36" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	458.95	91.64
23 09 23 12-0538	EA	36" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	558.43	106.92
23 09 23 12-0539	EA	36" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	597.44	106.92
23 09 23 12-0540	EA	36" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	661.35	106.92
23 09 23 12-0541	EA	36" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	755.82	122.20
23 09 23 12-0542	EA	36" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	819.76	122.20
23 09 23 12-0543		Ultra Low Leakage, Air-Foil Control Damper (TAMCO Series 1500) *(23 09 23 12-0492)*		
23 09 23 12-0544	EA	12" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	235.97	45.83
23 09 23 12-0545	EA	12" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	283.22	61.10
23 09 23 12-0546	EA	12" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	299.94	61.10
23 09 23 12-0547	EA	12" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	366.03	76.38
23 09 23 12-0548	EA	12" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	376.13	76.38
23 09 23 12-0549	EA	12" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	386.21	76.38
23 09 23 12-0550	EA	12" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	433.44	91.64
23 09 23 12-0551	EA	16" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	268.48	61.10
23 09 23 12-0552	EA	16" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	270.43	61.10
23 09 23 12-0553	EA	16" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	338.04	76.38
23 09 23 12-0554	EA	16" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	375.10	76.38
23 09 23 12-0555	EA	16" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	419.94	91.64
23 09 23 12-0556	EA	16" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	453.76	91.64
23 09 23 12-0557	EA	16" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	487.56	91.64
23 09 23 12-0558	EA	20" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	305.05	61.10
23 09 23 12-0559	EA	20" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	338.04	76.38
23 09 23 12-0560	EA	20" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	364.04	76.38
23 09 23 12-0561	EA	20" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	436.85	91.64
23 09 23 12-0562	EA	20" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	479.12	91.64
23 09 23 12-0563	EA	20" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	551.91	106.92
23 09 23 12-0564	EA	20" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	594.18	106.92
23 09 23 12-0565	EA	24" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	304.88	76.38
23 09 23 12-0566	EA	24" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	355.59	76.38
23 09 23 12-0567	EA	24" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	423.84	91.64
23 09 23 12-0568	EA	24" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	471.96	91.64
23 09 23 12-0569	EA	24" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	550.63	106.92
23 09 23 12-0570	EA	24" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	598.72	106.92
23 09 23 12-0571	EA	24" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	646.84	106.92
23 09 23 12-0572	EA	28" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	337.98	76.38
23 09 23 12-0573	EA	28" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	419.04	91.64
23 09 23 12-0574	EA	28" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	463.94	91.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0575	EA	28" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	550.63	106.92
23 09 23 12-0576	EA	28" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	606.74	106.92
23 09 23 12-0577	EA	28" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	662.87	106.92
23 09 23 12-0578	EA	28" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	719.00	106.92
23 09 23 12-0579	EA	32" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	364.43	76.38
23 09 23 12-0580	EA	32" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	452.71	91.64
23 09 23 12-0581	EA	32" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	534.57	106.92
23 09 23 12-0582	EA	32" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	598.72	106.92
23 09 23 12-0583	EA	32" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	662.87	106.92
23 09 23 12-0584	EA	32" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	727.02	106.92
23 09 23 12-0585	EA	32" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	821.71	122.20
23 09 23 12-0586	EA	36" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	399.79	91.64
23 09 23 12-0587	EA	36" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	471.96	91.64
23 09 23 12-0588	EA	36" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	574.67	106.92
23 09 23 12-0589	EA	36" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	646.84	106.92
23 09 23 12-0590	EA	36" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	719.00	106.92
23 09 23 12-0591	EA	36" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	821.71	122.20
23 09 23 12-0592	EA	36" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	893.87	122.20
23 09 23 12-0593		**Thermally Insulated Damper (TAMCO Series 9000)** *(23 09 23 12-0492)*		
23 09 23 12-0594	EA	12" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	274.98	45.83
23 09 23 12-0595	EA	12" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	326.50	61.10
23 09 23 12-0596	EA	12" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	347.47	61.10
23 09 23 12-0597	EA	12" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	423.08	76.38
23 09 23 12-0598	EA	12" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	435.36	76.38
23 09 23 12-0599	EA	12" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	447.65	76.38
23 09 23 12-0600	EA	12" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	499.26	91.64
23 09 23 12-0601	EA	16" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	307.49	61.10
23 09 23 12-0602	EA	16" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	309.44	61.10
23 09 23 12-0603	EA	16" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	386.80	76.38
23 09 23 12-0604	EA	16" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	433.61	76.38
23 09 23 12-0605	EA	16" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	480.62	91.64
23 09 23 12-0606	EA	16" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	523.10	91.64
23 09 23 12-0607	EA	16" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	565.58	91.64
23 09 23 12-0608	EA	20" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	353.81	61.10
23 09 23 12-0609	EA	20" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	386.80	76.38
23 09 23 12-0610	EA	20" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	418.22	76.38
23 09 23 12-0611	EA	20" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	501.86	91.64
23 09 23 12-0612	EA	20" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	554.97	91.64
23 09 23 12-0613	EA	20" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	638.61	106.92
23 09 23 12-0614	EA	20" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	691.70	106.92
23 09 23 12-0615	EA	24" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	343.89	76.38
23 09 23 12-0616	EA	24" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	407.61	76.38
23 09 23 12-0617	EA	24" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	488.87	91.64
23 09 23 12-0618	EA	24" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	549.98	91.64
23 09 23 12-0619	EA	24" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	641.63	106.92
23 09 23 12-0620	EA	24" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	702.76	106.92
23 09 23 12-0621	EA	24" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	763.86	106.92
23 09 23 12-0622	EA	28" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	388.03	76.38
23 09 23 12-0623	EA	28" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	482.74	91.64
23 09 23 12-0624	EA	28" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	539.79	91.64
23 09 23 12-0625	EA	28" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	641.63	106.92
23 09 23 12-0626	EA	28" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	712.94	106.92
23 09 23 12-0627	EA	28" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	784.23	106.92
23 09 23 12-0628	EA	28" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	855.53	106.92
23 09 23 12-0629	EA	32" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	421.65	76.38
23 09 23 12-0630	EA	32" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	525.54	91.64
23 09 23 12-0631	EA	32" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	621.27	106.92
23 09 23 12-0632	EA	32" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	702.76	106.92
23 09 23 12-0633	EA	32" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	784.23	106.92
23 09 23 12-0634	EA	32" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	865.71	106.92
23 09 23 12-0635	EA	32" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	977.74	122.20
23 09 23 12-0636	EA	36" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	458.31	91.64
23 09 23 12-0637	EA	36" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	549.98	91.64
23 09 23 12-0638	EA	36" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	672.19	106.92
23 09 23 12-0639	EA	36" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	762.56	106.92
23 09 23 12-0640	EA	36" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	854.01	106.92
23 09 23 12-0641	EA	36" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	976.00	122.20
23 09 23 12-0642	EA	36" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,067.46	122.20
23 09 23 12-0643		**Thermally Broken Frame Damper (TAMCO Series 9000 BF)** *(23 09 23 12-0492)*		
23 09 23 12-0644	EA	12" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	308.13	45.83
23 09 23 12-0645	EA	12" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	363.29	61.10
23 09 23 12-0646	EA	12" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	387.88	61.10
23 09 23 12-0647	EA	12" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	471.56	76.38
23 09 23 12-0648	EA	12" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	485.72	76.38
23 09 23 12-0649	EA	12" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	499.88	76.38
23 09 23 12-0650	EA	12" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	555.22	91.64
23 09 23 12-0651	EA	16" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	340.64	61.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0652	EA	16" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	342.60	61.10
23 09 23 12-0653	EA	16" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	428.24	76.38
23 09 23 12-0654	EA	16" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	483.34	76.38
23 09 23 12-0655	EA	16" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	532.21	91.64
23 09 23 12-0656	EA	16" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	582.04	91.64
23 09 23 12-0657	EA	16" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	631.89	91.64
23 09 23 12-0658	EA	20" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	395.26	61.10
23 09 23 12-0659	EA	20" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	428.24	76.38
23 09 23 12-0660	EA	20" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	464.27	76.38
23 09 23 12-0661	EA	20" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	557.13	91.64
23 09 23 12-0662	EA	20" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	619.43	91.64
23 09 23 12-0663	EA	20" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	712.29	106.92
23 09 23 12-0664	EA	20" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	774.59	106.92
23 09 23 12-0665	EA	24" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	377.05	76.38
23 09 23 12-0666	EA	24" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	451.80	76.38
23 09 23 12-0667	EA	24" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	527.88	91.64
23 09 23 12-0668	EA	24" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	596.78	91.64
23 09 23 12-0669	EA	24" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	696.24	106.92
23 09 23 12-0670	EA	24" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	765.17	106.92
23 09 23 12-0671	EA	24" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	834.08	106.92
23 09 23 12-0672	EA	28" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	418.06	76.38
23 09 23 12-0673	EA	28" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	520.97	91.64
23 09 23 12-0674	EA	28" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	585.30	91.64
23 09 23 12-0675	EA	28" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	696.24	106.92
23 09 23 12-0676	EA	28" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	776.66	106.92
23 09 23 12-0677	EA	28" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	857.05	106.92
23 09 23 12-0678	EA	28" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	937.45	106.92
23 09 23 12-0679	EA	32" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	455.98	76.38
23 09 23 12-0680	EA	32" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	569.23	91.64
23 09 23 12-0681	EA	32" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	673.29	106.92
23 09 23 12-0682	EA	32" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	765.17	106.92
23 09 23 12-0683	EA	32" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	857.05	106.92
23 09 23 12-0684	EA	32" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	948.94	106.92
23 09 23 12-0685	EA	32" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,071.36	122.20
23 09 23 12-0686	EA	36" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	493.41	91.64
23 09 23 12-0687	EA	36" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	596.78	91.64
23 09 23 12-0688	EA	36" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	730.71	106.92
23 09 23 12-0689	EA	36" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	832.77	106.92
23 09 23 12-0690	EA	36" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	935.93	106.92
23 09 23 12-0691	EA	36" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,069.62	122.20
23 09 23 12-0692	EA	36" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,172.78	122.20

23 09 23 12-0693 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0694	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	210.84	37.89
23 09 23 12-0695	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	237.90	41.55
23 09 23 12-0696	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	266.13	45.83
23 09 23 12-0697	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	307.55	53.77
23 09 23 12-0698	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	347.74	61.10
23 09 23 12-0699	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	350.24	68.74
23 09 23 12-0700	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	431.51	76.38
23 09 23 12-0701	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	515.24	91.64
23 09 23 12-0702	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	663.89	106.92
23 09 23 12-0703	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	993.37	122.20
23 09 23 12-0704	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,839.94	137.47
23 09 23 12-0705	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,341.81	152.75

23 09 23 12-0706 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0707	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	203.62	42.77
23 09 23 12-0708	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	209.84	45.83
23 09 23 12-0709	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	219.30	45.83
23 09 23 12-0710	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	243.24	51.94
23 09 23 12-0711	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	278.34	51.94
23 09 23 12-0712	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	300.93	61.10
23 09 23 12-0713	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	404.66	64.31
23 09 23 12-0714	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	423.23	66.66
23 09 23 12-0715	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	448.83	71.87
23 09 23 12-0716	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	474.96	77.07

23 09 23 12-0717 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0718	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	288.21	
		For Each 10' Flexible Casing And Wire, Add	*41.36*	
23 09 23 12-0719	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	296.68	
		For Each 10' Flexible Casing And Wire, Add	*41.36*	

23 09 23 12-0720 Control Damper Actuators *(23 09 23 12)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0721	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	527.98	100.96
23 09 23 12-0722	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	572.44	100.96
23 09 23 12-0723	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	645.28	100.96
23 09 23 12-0724	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	680.08	100.96
23 09 23 12-0725	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	700.73	100.96
23 09 23 12-0726	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	781.94	100.96

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	355.29	9.99
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	268.13	9.99
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	418.10	9.99
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	225.57	9.99
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	225.57	9.99
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	225.57	9.99
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	326.92	9.99
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	201.25	9.99

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,299.73	101.50

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,164.82	117.31
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	5,984.84	117.31
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,451.25	117.31

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,205.45	59.91
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	973.64	39.95
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,752.27	59.91
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	949.82	71.90

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	590.50	71.90
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	606.69	71.90
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	686.19	99.86
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	535.35	39.95

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	195.31	28.08
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	191.45	28.08
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	256.24	28.08
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	227.65	28.08
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	70.52	28.08
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	65.20	28.08
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	119.99	28.08

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	787.97	84.33
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	701.00	84.33
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	280.19	84.33
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	290.29	84.33
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	310.07	84.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	287.36	84.33
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,906.14	84.33
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,906.14	84.33
23 09 23 23-0010	EA	Magnahelic Gauge	759.27	51.55

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	217.55	71.90
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	304.52	71.90
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	227.55	71.90
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	237.81	71.90
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	241.23	71.90
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	237.85	71.90
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	239.67	71.90
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	256.95	71.90
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	272.04	71.90
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	329.60	99.86
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	341.22	99.86
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	148.99	39.95
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	153.26	39.95
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	142.04	39.95

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	175.23	77.27
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	397.92	77.27

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	409.24	18.72
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	364.92	18.72

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	308.94	
23 09 23 53-0004	HR	EMCS Engineering Project Management	308.94	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	327.66	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	327.66	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	210.71	
23 09 23 53-0008	HR	EMCS System Controls Training	308.94	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	308.94	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	257.51	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	266.88	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	163.89	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	163.89	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	163.89	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	140.42	

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	54.67	

23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	9,854.47	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	12,649.97	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	31,958.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	23,983.12	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	61,760.27	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	48,713.72	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	74,352.64	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,068.18	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	28,230.95	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	20,662.92	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	12,591.22	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	7,793.50	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	3,013.18	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	5,359.57	299.58
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	7,908.91	399.44
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	7,806.49	399.44
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	2,883.06	299.58
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	3,483.30	299.58
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	2,698.36	299.58
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	3,345.63	299.58
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	7,852.86	299.58
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	3,638.41	399.44
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	7,986.19	798.88
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	9,300.01	798.88
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,224.64	88.95
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,358.38	299.58
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	2,496.90	299.58
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,018.39	299.58
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,211.48	299.58
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,203.08	299.58
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,311.21	299.58
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	2,548.11	299.58
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	3,818.92	399.44
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,692.88	199.73
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,637.46	199.73
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,224.06	299.58
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,224.06	299.58
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	2,671.51	299.58
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	5,288.87	399.44
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,303.81	299.58
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	155.73	11.23
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	253.45	11.23
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	649.68	11.23
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	649.68	11.23
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	505.31	11.23
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	169.51	11.23
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	685.79	11.23
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	769.75	11.23
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,302.82	299.58
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	3,509.32	299.58
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,331.36	299.58
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,673.19	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	5,816.42	299.58
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,263.55	166.64
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,040.11	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,191.22	11.23

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	3,719.76	299.58
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	8,339.24	898.75
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,574.65	299.58
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	5,415.45	399.44
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	5,329.99	399.44
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	8,609.03	798.88
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	4,774.53	399.44
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,779.41	299.58
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	8,096.30	798.88
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,944.19	199.73
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,077.46	199.73
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	2,803.87	199.73
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	2,707.73	199.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,352.46	299.58
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	14,190.55	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	8,977.73	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	11,680.61	
23 09 23 53-0094		Cypress Envirosystems Controls *(23 09 23 53)*		
23 09 23 53-0095		Wireless Pneumatic Thermostat *(23 09 23 53-0094)*		
		Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP)	552.05	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-28.38*	
		For >200, Deduct	*-56.71*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP)	552.05	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-28.38*	
		For >200, Deduct	*-56.71*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP)	552.05	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-28.38*	
		For >200, Deduct	*-56.71*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP)	552.05	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-28.38*	
		For >200, Deduct	*-56.71*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB)	628.07	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-32.61*	
		For >200, Deduct	*-65.16*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB)	628.07	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-32.61*	
		For >200, Deduct	*-65.16*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	628.07	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-32.61*	
		For >200, Deduct	*-65.16*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB)	628.07	12.49
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-32.61*	
		For >200, Deduct	*-65.16*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	45.09	12.49
		Note: Optional cover.		
		For >50 To 200, Deduct	*-1.81*	
		For >200, Deduct	*-3.62*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM)	4,970.65	12.49
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-248.61*	
		For >2, Deduct	*-496.77*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	478.99	12.49
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-25.94*	
		For >2, Deduct	*-51.83*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	832.96	12.49
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-42.84*	
		For >10, Deduct	*-85.61*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	1,020.88	12.49
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-49.82*	
		For >10, Deduct	*-99.55*	
23 09 23 53-0109		Delta Controls *(23 09 23 53)*		
23 09 23 53-0110		Software *(23 09 23 53-0109)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,502.22	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,226.04	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,156.42	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	14,476.00	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,432.60	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,502.22	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,023.92	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,432.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,626.41	124.83
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,867.29	
23 09 23 53-0121		EMCS Central Equipment And Controllers *(23 09 23 53-0109)*		
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	9,041.01	499.30
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	6,787.12	499.30
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,910.05	499.30
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,910.05	499.30
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,910.05	499.30
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	4,566.79	499.30
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,621.95	249.65
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,470.52	249.65
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,570.99	249.65
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,470.52	249.65
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,502.15	312.06
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	868.55	124.83
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	932.40	124.83
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,097.99	124.83
23 09 23 53-0136		Network, VAV And Special Sensors *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	289.93	39.95
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	394.08	44.94
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	778.84	18.72
23 09 23 53-0140		Honeywell Controls *(23 09 23 53)*		
23 09 23 53-0141		EMCS Central Equipment And Controllers *(23 09 23 53-0140)*		
23 09 23 53-0142		EMCS Network Area Controllers (BACnet Or Lon) *(23 09 23 53-0141)* Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	12,581.17	608.52
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	8,554.66	608.52
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	6,513.44	608.52
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	8,137.78	608.52
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	6,457.52	608.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	6,457.52	608.52
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,019.30	608.52
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,609.04	608.52
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,019.30	608.52
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,609.04	608.52
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,614.13	608.52
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,203.87	608.52
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,614.13	608.52
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,203.87	608.52
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,109.81	608.52
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,079.86	608.52
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,687.39	608.52
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,657.43	608.52
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,715.35	608.52
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,469.87	608.52
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,823.17	168.52
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,549.91	112.34
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,976.30	210.71
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,032.50	304.33
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,560.68	304.33
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	112.21	37.45
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,891.63	688.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,423.53	407.28
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,088.23	806.10
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,620.14	525.24
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,414.89	842.65
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,063.76	631.37
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,625.51	969.04
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,246.25	741.59
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,556.55	688.04
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,088.45	407.28
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,814.06	842.65
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,345.84	561.72
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,421.06	699.37
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,943.60	571.70
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,678.57	969.02
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,200.99	644.10
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,329.36	969.02
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,903.45	619.13
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,844.40	969.02
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,418.37	725.24

23 09 23 53-0191 DDC Programmable Controller Assemblies *(23 09 23 53-0141)*

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.

23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,933.52	744.34
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,415.50	744.34
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,590.27	875.40
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,072.25	875.40
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,400.10	1,025.19
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,957.26	1,025.19

23 09 23 53-0198 EMCS Optional DDC Controller Hardware *(23 09 23 53-0141)*

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	579.57	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	669.81	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	701.59	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	662.19	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	672.36	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	657.10	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	565.59	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	491.88	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	720.65	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	644.39	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	711.76	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,511.21	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,879.80	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	939.27	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	925.28	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	453.75	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	516.02	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	953.25	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,019.34	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	638.04	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	638.04	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	638.04	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	638.04	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	113.12	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	213.53	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	209.71	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	641.85	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	95.32	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	641.85	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	591.01	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	591.01	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	622.79	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	622.79	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	896.05	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,057.47	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,247.12	

23 09 23 53-0235 EMCS Software *(23 09 23 53-0140)*

23 09 23 53-0236 Software Packages And License *(23 09 23 53-0235)*

Note: Includes installation on equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	716.84	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,719.22	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,007.27	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,766.23	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,388.31	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,766.09	
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,746.57	
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	842.80	
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	544.11	
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	36,747.14	
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	33,513.97	
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,768.42	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,527.38	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,754.25	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,754.25	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,064.92	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,541.99	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,754.25	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,202.73	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,754.25	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,180.33	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	84,733.42	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	148,283.17	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,625.97	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,812.98	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	2,983.15	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,291.17	
23 09 23 53-0264		**Initial Database Generation** *(23 09 23 53-0235)*		
23 09 23 53-0265	PNT	Database Generation For Central Plant	83.76	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	83.76	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	83.76	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	58.30	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	58.30	
23 09 23 53-0270		**Application Software Programs** *(23 09 23 53-0235)*		
23 09 23 53-0271	EA	Basic Application Program Package Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	3,495.11	
23 09 23 53-0272	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	116.84	
23 09 23 53-0273	EA	Duty Cycling Program	55.18	
23 09 23 53-0274	EA	Hot Deck/Cold Deck Reset Application Program	6,004.46	
23 09 23 53-0275	EA	Boiler Optimization Program	7,868.47	
23 09 23 53-0276	EA	Chiller Optimization Program	10,658.64	
23 09 23 53-0277	EA	Lighting Control Program	5,143.46	
23 09 23 53-0278	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	102.48	
23 09 23 53-0279	EA	Email Alarm Server Configuration	3,967.95	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0280		**Color Graphics Generation** *(23 09 23 53-0235)* Note: Priced per page.		
23 09 23 53-0281	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,094.33	
23 09 23 53-0282	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,718.41	
23 09 23 53-0283	EA	Color Graphics Page For Central Plant	951.55	
23 09 23 53-0284	EA	Color Graphics Page For Building Floor Plan	878.65	
23 09 23 53-0285	EA	Replication Of Color Graphics Page For Central Plant	477.33	
23 09 23 53-0286	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,070.50	
23 09 23 53-0287	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	228.93	
23 09 23 53-0288	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	990.12	
23 09 23 53-0289	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	98.99	
23 09 23 53-0290		**Sensors, Actuators And Control Devices** *(23 09 23 53-0140)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291		**Special Sensors** *(23 09 23 53-0290)*		
23 09 23 53-0292	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,247.99	77.27
23 09 23 53-0293	EA	Enthalpy Sensor -25 To 125 F	2,346.21	77.27
23 09 23 53-0294	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,046.39	154.54
23 09 23 53-0295	EA	Freezestat (Honeywell L482A1004)	716.87	257.51
23 09 23 53-0296	EA	Wall Mounted Occupancy Sensor	519.01	77.27
23 09 23 53-0297	EA	Ceiling Mounted Occupancy Sensor	410.74	77.27
23 09 23 53-0298	EA	I/P Positioner With Gauge	484.04	77.27
23 09 23 53-0299	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	579.28	77.27
23 09 23 53-0300	EA	EP Transducer	484.04	51.55
23 09 23 53-0301	EA	Electric Heat Sequencer	766.44	102.98
23 09 23 53-0302		**Meters** *(23 09 23 53-0290)*		
23 09 23 53-0303	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	4,938.43	617.89
23 09 23 53-0304	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,156.71	720.87
23 09 23 53-0305	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,710.15	257.51
23 09 23 53-0306	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,963.20	257.51
23 09 23 53-0307	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,448.49	257.51
23 09 23 53-0308		**Direct Coupled Actuators** *(23 09 23 53-0290)*		
23 09 23 53-0309	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	664.73	100.81
23 09 23 53-0310	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	736.02	100.81
23 09 23 53-0311	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	858.59	100.81
23 09 23 53-0312	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	623.01	100.81
23 09 23 53-0313	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	699.68	100.81
23 09 23 53-0314	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	775.60	100.81
23 09 23 53-0315	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	703.87	100.81
23 09 23 53-0316	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	813.19	100.81
23 09 23 53-0317	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	931.19	100.81
23 09 23 53-0318	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	566.14	100.81
23 09 23 53-0319	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	624.35	100.81
23 09 23 53-0320	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	741.29	100.81
23 09 23 53-0321	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	796.34	100.81
23 09 23 53-0322	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	795.65	100.81
23 09 23 53-0323	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	946.61	100.81
23 09 23 53-0324	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	589.99	100.81
23 09 23 53-0325	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,043.45	100.81
23 09 23 53-0326	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	440.92	100.81
23 09 23 53-0327	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	677.00	100.81
23 09 23 53-0328		**Thermostats** *(23 09 23 53-0140)*		
23 09 23 53-0329		**Electric And Electronic Thermostats** *(23 09 23 53-0328)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0330	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	227.10	18.72
23 09 23 53-0331	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	245.16	18.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0332	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	225.09	18.72
23 09 23 53-0333	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	252.59	18.72
23 09 23 53-0334	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	273.26	18.72
23 09 23 53-0335	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	405.74	18.72
23 09 23 53-0336	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	594.41	18.72
23 09 23 53-0337	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	967.50	18.72
23 09 23 53-0338	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,032.32	18.72
23 09 23 53-0339		**Pneumatic Thermostats** *(23 09 23 53-0328)* Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340	EA	Pneumatic Thermostat (Honeywell TP970B2182)	318.60	18.72
23 09 23 53-0341		**Thermostats Guards** *(23 09 23 53-0328)*		
23 09 23 53-0342	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	76.49	18.72
23 09 23 53-0343	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	91.54	18.72
23 09 23 53-0344	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	86.12	18.72
23 09 23 53-0345		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0346		**Software** *(23 09 23 53-0345)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	20,412.31	
23 09 23 53-0348	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,143.19	
23 09 23 53-0349	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,178.02	
23 09 23 53-0350	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,792.88	
23 09 23 53-0351	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,187.68	
23 09 23 53-0352	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,188.43	
23 09 23 53-0353	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,181.46	
23 09 23 53-0354	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	420.91	
23 09 23 53-0355		**Supervisory Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0356	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	8,807.35	499.30
23 09 23 53-0357	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	13,727.73	499.30
23 09 23 53-0358	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	18,659.02	499.30
23 09 23 53-0359	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	6,912.04	499.30
23 09 23 53-0360		**Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0361	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,022.17	124.83
23 09 23 53-0362	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,350.25	249.65
23 09 23 53-0363	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,751.56	249.65
23 09 23 53-0364	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,079.64	249.65
23 09 23 53-0365	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	833.94	124.83
23 09 23 53-0366	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	917.60	124.83
23 09 23 53-0367	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,043.09	124.83
23 09 23 53-0368	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,059.82	124.83
23 09 23 53-0369	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,165.00	249.65
23 09 23 53-0370	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,037.40	124.83
23 09 23 53-0371	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,514.52	124.83
23 09 23 53-0372		**Master FX Controllers** *(23 09 23 53-0345)*		

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23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,740.57	249.65
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,938.82	249.65
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,037.34	249.65
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,977.47	249.65
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,883.90	249.65
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,898.90	249.65
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,883.90	249.65
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,939.04	249.65
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,110.25	249.65
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,224.40	249.65
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,167.32	249.65
23 09 23 53-0384	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,050.49	249.65
23 09 23 53-0385	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,939.04	249.65
23 09 23 53-0386	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,110.25	249.65
23 09 23 53-0387	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,224.40	249.65
23 09 23 53-0388	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,167.32	249.65
23 09 23 53-0389	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,050.49	249.65
23 09 23 53-0390	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	327.06	62.41
23 09 23 53-0391	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	467.52	62.41
23 09 23 53-0392	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	366.48	62.41
23 09 23 53-0393	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	327.06	62.41
23 09 23 53-0394	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	906.11	62.41
23 09 23 53-0395	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	833.86	62.41
23 09 23 53-0396	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	850.78	62.41
23 09 23 53-0397	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	850.78	62.41
23 09 23 53-0398	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	935.28	62.41
23 09 23 53-0399	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	935.28	62.41
23 09 23 53-0400	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,178.23	62.41
23 09 23 53-0401	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,178.23	62.41
23 09 23 53-0402	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,315.55	62.41
23 09 23 53-0403	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,315.55	62.41

23 09 23 53-0404 VAV, Network And Special Sensors *(23 09 23 53-0345)*

23 09 23 53-0405	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	621.23	39.95
23 09 23 53-0406	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	206.38	39.95
23 09 23 53-0407	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	480.29	39.95
23 09 23 53-0408	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	719.51	39.95
23 09 23 53-0409	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	237.44	39.95
23 09 23 53-0410	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	652.06	39.95

23 09 23 53-0411 Sensors - Hard Wired Type *(23 09 23 53-0345)*

23 09 23 53-0412	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	198.49	71.90
23 09 23 53-0413	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	170.86	39.95
23 09 23 53-0414	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	483.04	18.72
23 09 23 53-0415	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	654.73	18.72
23 09 23 53-0416	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	483.99	18.72
23 09 23 53-0417	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	636.74	39.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0418	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	785.33	39.95
23 09 23 53-0419		**Melink Intelli-Hood IH3 Controls** *(23 09 23 53)*		
23 09 23 53-0420		**Kitchen Ventilation Controllers** *(23 09 23 53-0419)*		
23 09 23 53-0421	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,243.56	499.30
23 09 23 53-0422	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	1,949.58	102.98
23 09 23 53-0423	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,167.35	415.67
23 09 23 53-0424		**Kitchen Ventilation Sensors** *(23 09 23 53-0419)*		
23 09 23 53-0425	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	573.60	71.90
23 09 23 53-0426	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	4,936.53	399.44
23 09 23 53-0427		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0428	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	465.67	18.72
23 09 23 53-0429	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	328.13	18.72
23 09 23 53-0430	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	336.64	84.33
23 09 23 53-0431	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	512.54	84.33
23 09 23 53-0432	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	78.91	12.49
23 09 23 53-0433	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	263.82	124.83
23 09 23 53-0434	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	426.19	19.98
23 09 23 53-0435	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	751.44	36.27
23 09 23 53-0436	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,522.73	36.27
23 09 23 53-0437	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,283.80	45.95
23 09 23 53-0438	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	337.62	71.90
23 09 23 53-0439	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	284.55	39.95
23 09 23 53-0440	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	621.74	58.92
23 09 23 53-0441	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	113.32	6.24
23 09 23 53-0442	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,004.82	119.84
23 09 23 53-0443	EA	MMI Extension Cable (Siemens 545-712)	183.19	6.24
23 09 23 53-0444	EA	Remote Pressure Transmitter (Siemens 547-003)	1,499.18	39.95
23 09 23 53-0445	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	919.46	29.96
23 09 23 53-0446	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	796.87	79.89
23 09 23 53-0447	EA	Door Lock And Key Assembly (Siemens 567-225)	43.83	24.96
23 09 23 53-0448	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	15,215.63	
23 09 23 53-0449	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	537.29	
23 09 23 53-0450	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,349.01	
23 09 23 53-0451	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	500.38	12.06
23 09 23 53-0452	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,055.55	20.90
23 09 23 53-0453	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	9,991.82	49.93
23 09 23 53-0454	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	11,772.47	49.93
23 09 23 53-0455	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	182.85	18.72
23 09 23 53-0456	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	452.95	48.88
23 09 23 53-0457	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	483.83	48.88
23 09 23 53-0458	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,420.08	
23 09 23 53-0459	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	892.53	
23 09 23 53-0460	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,872.53	
23 09 23 53-0461	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,056.33	
23 09 23 53-0462	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,767.72	
23 09 23 53-0463	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,226.18	
23 09 23 53-0464	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	831.28	2.50
23 09 23 53-0465	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	927.72	9.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0466	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	470.16	2.50
23 09 23 53-0467	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	464.32	69.90
23 09 23 53-0468	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	810.93	69.90
23 09 23 53-0469	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,137.79	79.89
23 09 23 53-0470	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	41.67	12.49
23 09 23 53-0471	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	819.49	31.21
23 09 23 53-0472	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,315.49	31.21
23 09 23 53-0473	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,002.23	31.21
23 09 23 53-0474	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,524.35	31.21
23 09 23 53-0475	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,460.96	62.41
23 09 23 53-0476	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	5,770.30	62.41
23 09 23 53-0477	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,574.17	62.41
23 09 23 53-0478	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,807.49	62.41
23 09 23 53-0479	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,161.57	62.41
23 09 23 53-0480	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,926.96	62.41
23 09 23 53-0481	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,636.29	62.41
23 09 23 53-0482	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,880.78	62.41
23 09 23 53-0483	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,820.12	62.41
23 09 23 53-0484	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,039.18	62.41
23 09 23 53-0485	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,814.60	62.41
23 09 23 53-0486	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,037.69	62.41
23 09 23 53-0487	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	3,915.89	62.41
23 09 23 53-0488	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	7,815.26	62.41
23 09 23 53-0489	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,326.06	
23 09 23 53-0490	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	527.77	31.21
23 09 23 53-0491	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	384.58	31.21
23 09 23 53-0492	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	876.23	24.96
23 09 23 53-0493	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	297.07	31.21
23 09 23 53-0494	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	289.82	39.95
23 09 23 53-0495	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	144.32	31.21
23 09 23 53-0496	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	107.71	31.21
23 09 23 53-0497	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	317.58	62.41
23 09 23 53-0498	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	203.08	46.80
23 09 23 53-0499	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,563.72	402.19
23 09 23 53-0500	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	37.92	12.49
23 09 23 53-0501	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.87	
23 09 23 53-0502	EA	16 Digital Input Module (Siemens TXM1.16D)	657.23	12.49
23 09 23 53-0503	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	995.06	12.49
23 09 23 53-0504	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,597.95	24.96
23 09 23 53-0505	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	488.28	7.49
23 09 23 53-0506		Trane Controls *(23 09 23 53)*		
23 09 23 53-0507		Software *(23 09 23 53-0506)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0508	EA	Summit + Building Management Package (Trane 40201152)	7,555.94	
23 09 23 53-0509	EA	Summit Current Version Software (Trane 40201111)	4,267.05	
23 09 23 53-0510	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,030.93	
23 09 23 53-0511	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,241.24	
23 09 23 53-0512	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	11,722.09	
23 09 23 53-0513		EMCS Central Equipment And Controllers *(23 09 23 53-0506)*		
23 09 23 53-0514	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	6,529.71	499.30
23 09 23 53-0515	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	14,896.57	499.30
23 09 23 53-0516	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	14,896.57	499.30
23 09 23 53-0517	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,079.83	499.30
23 09 23 53-0518	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,192.14	499.30
23 09 23 53-0519	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	229.99	31.21
23 09 23 53-0520	EA	Summit Comm5 Repeater (Trane 49500457)	1,773.90	249.65
23 09 23 53-0521	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,019.36	312.06
23 09 23 53-0522	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	3,875.37	374.48
23 09 23 53-0523	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,035.88	374.48
23 09 23 53-0524	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,562.25	374.48
23 09 23 53-0525	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,559.58	374.48
23 09 23 53-0526	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,156.95	124.83
23 09 23 53-0527	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,052.59	124.83
23 09 23 53-0528	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,896.59	249.65
23 09 23 53-0529	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,810.05	249.65
23 09 23 53-0530	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,014.37	124.83
23 09 23 53-0531	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	888.72	124.83
23 09 23 53-0532	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,323.57	124.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0533	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,198.59	124.83
23 09 23 53-0534	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,025.56	124.83
23 09 23 53-0535	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	977.55	124.83
23 09 23 53-0536	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,124.92	124.83
23 09 23 53-0537	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,025.56	124.83
23 09 23 53-0538	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,423.74	249.65
23 09 23 53-0539	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,547.33	249.65
23 09 23 53-0540		Network, VAV And Special Sensors *(23 09 23 53-0506)*		
23 09 23 53-0541	EA	Digital Display Zone Sensor (Trane X13790464010)	242.24	39.95
23 09 23 53-0542	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	161.30	39.95
23 09 23 53-0543	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	147.64	39.95
23 09 23 53-0544	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	298.60	44.94
23 09 23 53-0545	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	179.96	39.95
23 09 23 53-0546	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	179.96	39.95
23 09 23 53-0547	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	629.32	71.90
23 09 23 53-0548	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	576.73	39.95
23 09 23 53-0549	EA	Transformer 120/24 40 VA (Trane X13550284010)	140.82	39.95
23 09 23 53-0550	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	135.94	39.95
23 09 23 53-0551	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	128.14	39.95
23 09 23 53-0552	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,597.57	249.65
23 09 23 53-0553	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,530.90	249.65
23 09 23 53-0554	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,391.77	249.65
23 09 23 53-0555	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,484.42	374.48
23 09 23 53-0556	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,391.77	249.65
23 09 23 53-0557	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,462.34	249.65
23 09 23 53-0558	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,467.83	249.65
23 09 23 53-0559	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	531.09	248.59
23 09 23 53-0560	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	765.96	248.59
23 09 23 53-0561	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,779.91	374.48
23 09 23 53-0562	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,672.64	374.48
23 09 23 53-0563	EA	Controller UC600 TD7 Mounting Bracket (Trane X0501051101O)	165.20	49.75
23 09 23 53-0564	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	595.89	49.75
23 09 23 53-0565	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,846.22	374.48
23 09 23 53-0566	EA	BACnet Term (2 Pack) (Trane X1365152401)	262.37	89.50
23 09 23 53-0567	EA	Tracer ES Add License (Trane X40250125010)	3,415.15	
23 09 23 53-0568	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,219.27	499.30
23 09 23 53-0569	EA	Kit - Tracer TU Complete (Trane X4509151301)	6,853.71	499.30
23 09 23 53-0570	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	675.85	89.50
23 09 23 53-0571	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	388.17	89.50
23 09 23 53-0572	EA	Sensor Wireless Display Sensor (Trane X13790822010)	438.88	89.50
23 09 23 53-0573	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	393.04	89.50
23 09 23 53-0574	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	533.34	89.50
23 09 23 53-0575	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	581.11	89.50
23 09 23 53-0576		Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*		
23 09 23 53-0577		Room Pressure Monitoring *(23 09 23 53-0576)*		
23 09 23 53-0578	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,442.37	61.10
23 09 23 53-0579	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,559.35	61.10
23 09 23 53-0580	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	433.66	36.66
23 09 23 53-0581	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	501.22	36.66
23 09 23 53-0582		Current Switches And Current Sensors *(23 09 23 53-0576)*		
23 09 23 53-0583	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	150.57	39.95
23 09 23 53-0584	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	156.42	39.95
23 09 23 53-0585	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	242.24	39.95
23 09 23 53-0586	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	142.77	39.95
23 09 23 53-0587	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	441.18	39.95
23 09 23 53-0588	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	281.00	39.95
23 09 23 53-0589	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	214.13	39.95
23 09 23 53-0590	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	214.13	39.95
23 09 23 53-0591	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,768.20	199.73
23 09 23 53-0592	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,466.51	39.95
23 09 23 53-0593	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,229.70	39.95
23 09 23 53-0594	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	229.83	39.95
23 09 23 53-0595	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	342.10	106.11
23 09 23 53-0596	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	342.57	106.11
23 09 23 53-0597	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	365.97	106.11
23 09 23 53-0598	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	371.82	106.11
23 09 23 53-0599	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	404.98	106.11
23 09 23 53-0600	EA	Toggle Switch	139.66	49.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0601	EA	Maintained Pushbutton Switch	149.22	49.93
23 09 23 53-0602	EA	Manual Time Switch	239.30	49.93
23 09 23 53-0603	EA	Emergency Stop Switch	400.38	49.93
23 09 23 53-0604	EA	Float Switch	385.31	49.93
23 09 23 53-0605	EA	Break Glass Switch	1,264.82	49.93
23 09 23 53-0606	EA	Boiler E-Stop Switch	774.85	49.93
23 09 23 53-0607		Relays *(23 09 23 53-0576)*		
23 09 23 53-0608	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	124.24	39.95
23 09 23 53-0609	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	136.24	39.95
23 09 23 53-0610	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	192.82	49.93
23 09 23 53-0611	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	243.84	39.95
23 09 23 53-0612	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	115.54	39.95
23 09 23 53-0613	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	113.79	39.95
23 09 23 53-0614	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	124.24	39.95
23 09 23 53-0615	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	129.72	39.95
23 09 23 53-0616	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	131.22	39.95
23 09 23 53-0617	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	142.29	49.93
23 09 23 53-0618	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	191.24	49.93
23 09 23 53-0619	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	342.22	49.93
23 09 23 53-0620	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	340.06	49.93
23 09 23 53-0621		Transformers *(23 09 23 53-0576)*		
23 09 23 53-0622	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	149.28	39.95
23 09 23 53-0623	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	162.90	39.95
23 09 23 53-0624	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	162.90	39.95
23 09 23 53-0625	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	175.22	39.95
23 09 23 53-0626	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	182.81	39.95
23 09 23 53-0627		Power Supplies *(23 09 23 53-0576)*		
23 09 23 53-0628	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	225.88	39.95
23 09 23 53-0629	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	263.65	39.95
23 09 23 53-0630	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	246.63	39.95
23 09 23 53-0631	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	254.68	39.95
23 09 23 53-0632	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	247.51	39.95
23 09 23 53-0633	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	259.52	39.95
23 09 23 53-0634	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	193.40	39.95
23 09 23 53-0635		Carrier Sensors And Controls *(23 09 23 53)*		
23 09 23 53-0636	EA	Touch Screen Controller, Supports 512 ID Units (Carrier BMS-CT5120UL)	6,106.96	166.27
23 09 23 53-0637	EA	Wired Remote Controller (Carrier RBC-AMS54E-UL)	383.64	39.95
23 09 23 53-0638	EA	Remote Sensor (Carrier TCB-TC41UL)	331.41	39.95
23 09 23 53-0639	EA	VRF Start-up Assistance (Carrier VRFSA)	2,374.05	
23 09 23 53-0640	EA	2 Speed VFD Display Kit (Carrier CRDISKIT001A00)	528.73	62.41
23 09 43		**Pneumatic Control System For HVAC** *(23 09)*		
23 09 43 00-0001		Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*		
23 09 43 00-0002		Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.46	0.95
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.14	0.98
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.13	1.01
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.25	1.04
23 09 43 00-0007		Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.18	0.95
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.35	0.98
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.70	1.01
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.38	1.04
23 09 43 00-0012		Nylon Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.60	0.92
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.47	0.95
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.29	1.01
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	6.80	1.04
23 09 43 00-0017		Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.54	0.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.16	1.01
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.02	1.04
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.14	1.06
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.96	1.09
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	9.57	1.12
23 09 43 00-0024		Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.46	1.06
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.04	1.09
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.07	1.12
23 09 43 00-0028		Copper Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	5.22	2.05
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	6.36	2.36
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	7.38	2.71
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	9.10	3.12
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	10.36	3.59
23 09 43 00-0034		Brass Couplings *(23 09 43 00-0001)*		
23 09 43 00-0035		Straight Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	11.15	5.17
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	11.29	5.17
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	11.42	5.17
23 09 43 00-0039		Elbow Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	11.90	5.17
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	12.35	5.17
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	18.14	8.04
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	20.91	8.61
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	20.43	8.61

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.27	2.01
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.90	2.18
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.29	2.36
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.48	2.50
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.37	2.62
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.86	2.73
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.59	2.91
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.90	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.90	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.05	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.05	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.61	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.30	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.30	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.89	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	166.78	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	270.39	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0022		**Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.94	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.05	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.05	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.61	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.61	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.94	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.94	
23 11 23 00-0030		**Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.18	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.80	
23 11 23 00-0033		**Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.35	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.78	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.32	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.92	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	151.95	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	297.11	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	493.72	
23 11 23 00-0041		**Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.74	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.14	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	143.22	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	246.98	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	265.58	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	305.03	
23 11 23 00-0048		**Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.17	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.37	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.67	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.87	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.68	
23 11 23 00-0054		**Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.91	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.96	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	48.29	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.00	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.00	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	61.89	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.46	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.61	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	106.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	110.98	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	160.85	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.47	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.52	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.03	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.09	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.46	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	139.80	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	192.99	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	244.00	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.22	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.29	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.09	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	97.49	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	190.09	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	303.09	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.95	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.94	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.99	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.10	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.49	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.10	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.57	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.34	21.15
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	105.61	22.20
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.64	18.51
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.49	21.99
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.15	26.44
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	118.82	35.31
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.92	21.99
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.83	26.44
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.90	21.99
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.71	26.44
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	182.89	66.09
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	86.75	21.99
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	86.75	21.99
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	122.53	21.99
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	131.34	26.44
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	131.34	26.44

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	148.96	35.31
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	224.05	39.65
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	116.20	21.99
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	293.35	26.44
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	715.77	39.65
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	47.04	15.86
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	51.78	16.91
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	56.31	16.91
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	59.15	17.97
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	62.77	17.97
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	71.03	19.03
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	78.52	19.03
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	85.93	20.09
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	47.04	15.86
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	51.78	16.91
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	56.31	16.91
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	59.15	17.97
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	62.77	17.97
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	71.03	19.03
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	78.52	19.03
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	85.93	20.09
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	47.04	15.86
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	51.78	16.91
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	56.31	16.91
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	59.15	17.97
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	62.77	17.97
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	71.03	19.03
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	78.52	19.03
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	85.93	20.09
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	47.04	15.86
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	51.78	16.91
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	67.95	16.91

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23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	59.15	17.97
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	62.77	17.97
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	71.03	19.03
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	78.52	19.03
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	85.93	20.09
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	51.53	15.86
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	57.36	16.91
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	56.31	16.91
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	66.26	17.97
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	62.77	17.97
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	71.03	19.03
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	78.52	19.03
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	85.93	20.09
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	47.04	15.86
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	62.90	16.91
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	59.15	17.97
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	62.77	17.97
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	71.03	19.03
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	90.38	19.03
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	85.93	20.09
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	47.04	15.86
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	51.78	16.91
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	56.31	16.91
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	59.15	17.97
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	62.77	17.97
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	71.03	19.03
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	78.52	19.03
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	85.93	20.09
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	47.04	15.86
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	51.78	16.91
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	56.31	16.91
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	59.15	17.97
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	62.77	17.97

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23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	71.03	19.03
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	78.52	19.03
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	85.93	20.09
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	57.36	16.91
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	56.31	16.91
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	66.26	17.97
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	70.64	17.97
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	81.01	19.03
23 11 23 00-0194		1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	47.04	15.86
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	51.78	16.91
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	51.66	16.91
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	59.15	17.97
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	57.20	17.97
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	72.73	19.03
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	78.52	19.03
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	85.93	20.09
23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	47.04	15.86
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	47.99	16.91
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	49.09	16.91
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	59.15	17.97
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	62.77	17.97
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	63.76	19.03
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	78.52	19.03
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	85.93	20.09
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	47.04	15.86
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	51.78	16.91
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	56.31	16.91
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	59.15	17.97
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	53.33	17.97
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	71.03	19.03
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	78.52	19.03
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	85.93	20.09

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23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	63.02	15.86
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	67.73	16.91
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	72.26	16.91
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	75.07	17.97
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	78.85	17.97
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	86.61	19.03
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	94.74	19.03
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	102.17	20.09
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	73.59	21.15
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	78.30	22.20
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	82.84	22.20
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	85.65	23.26
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	89.42	23.26
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	97.19	24.32
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	105.32	24.32
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	112.75	25.38
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	73.59	21.15
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	78.30	22.20
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	82.84	22.20
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	85.65	23.26
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	89.42	23.26
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	97.19	24.32
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	105.32	24.32
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	112.75	25.38
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	86.58	21.15
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	91.29	22.20
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	95.83	22.20
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	98.64	23.26
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	102.43	23.26
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	110.18	24.32
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	118.32	24.32
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	86.58	21.15
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	91.29	22.20
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	95.83	22.20
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	102.43	23.26
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	110.18	24.32
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	118.32	24.32
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	86.58	21.15
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	91.29	22.20
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	95.83	22.20
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	98.64	23.26
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	102.43	23.26
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	110.18	24.32
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	118.32	24.32
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	125.74	25.38
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	70.17	21.15
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	74.90	22.20
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	79.46	22.20
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	82.24	23.26
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	86.01	23.26
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	93.76	24.32
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	109.29	25.38
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	84.14	22.20
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	89.72	22.20
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	42.64	11.25
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	42.67	11.48
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	61.62	12.63
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	42.25	11.25
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	44.54	11.48
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	50.04	11.48
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	54.13	12.05
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	56.93	12.05
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	56.93	12.05
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	44.34	11.25
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	46.63	11.48
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	58.40	12.05
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	46.91	11.48
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	63.20	12.63
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	44.23	11.25
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	41.97	11.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	42.66	11.48
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	58.60	12.63
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	79.89	14.35
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	115.12	14.92
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	136.99	17.22
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	169.38	20.66
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	43.87	11.48
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	58.23	12.63

23 11 23 00-0308 Gas Stops *(23 11 23)*

23 11 23 00-0309 Brass/Bronze Gas Stops *(23 11 23 00-0308)*

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	54.03	11.48
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	53.90	11.48
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	70.62	12.63
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	100.29	14.35
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	133.82	15.28
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	169.44	17.68
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	236.87	20.89

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	73.98	11.48
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	90.37	12.63
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	112.20	14.35
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	145.39	15.28
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	183.98	17.68
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	240.17	20.89
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	472.33	28.23
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	636.67	32.78

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	195.77	11.48
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	228.46	11.48
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	290.64	12.63
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	437.47	14.35
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	784.39	17.68
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,339.79	20.89
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,658.65	28.23
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,504.40	32.78

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	21.68	7.62
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-8.53*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	25.97	9.10
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.23*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	34.26	13.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.07*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	40.30	15.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.97*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	47.06	17.24
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.42*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	65.00	20.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.35*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	86.54	24.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-27.84*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	255.96	31.12
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.03*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	164.95	75.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.27*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	194.53	91.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.32*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	233.21	105.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.87*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	289.49	122.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.63*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	349.37	137.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-155.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	502.44	172.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-193.89*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	646.66	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,878.67	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	
23 11 26 00-0021		**Fiberglass Reinforced Plastic Flanged 45 Degree Elbows** *(23 11 26 00-0011)*		
23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	165.34	75.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.27*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	194.64	91.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.32*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	233.58	105.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.96*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	293.72	125.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.77*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	349.23	137.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-155.11*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	502.44	172.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-193.89*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,416.43	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,878.67	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	
23 11 26 00-0030		**Fiberglass Reinforced Plastic Flanged Tees** *(23 11 26 00-0011)*		
23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	400.26	113.77
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.91*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	497.69	137.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-154.04*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	564.53	158.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-178.45*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	727.50	188.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.25*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	884.29	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	1,114.76	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,848.82	311.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-350.25*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,495.62	378.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-425.79*	
23 11 26 00-0039		**Fiberglass Reinforced Plastic Flanged Wyes** *(23 11 26 00-0011)*		
23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	555.76	113.77
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.91*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	719.99	136.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-153.85*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	847.22	158.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-178.43*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	968.20	188.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-208.25*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	1,083.04	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,429.08	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	2,245.27	311.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-350.25*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,927.78	378.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-425.79*	
23 11 26 00-0048		**Fiberglass Reinforced Plastic Flanged Concentric Reducers** *(23 11 26 00-0011)*		
23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	308.35	75.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.27*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	404.80	91.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.32*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	439.65	105.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.96*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	509.81	125.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.77*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	575.26	137.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-155.11*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	772.10	172.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-193.89*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	994.99	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,376.48	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	238.85	75.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.27*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	272.09	91.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.32*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	307.07	105.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.96*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	379.94	125.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.77*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	448.18	137.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-155.11*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	421.95	172.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-193.89*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	546.17	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	896.69	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	48.19	9.10
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.23*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	96.32	18.18
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.41*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	171.95	13.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.70*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	197.92	19.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.74*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	187.05	13.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.51*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	222.99	20.68
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.27*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	278.60	23.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.59*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	334.17	24.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-27.95*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	167.83	28.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-32.57*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	227.86	41.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-46.50*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	292.55	29.47
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-33.11*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	439.17	44.05
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-49.58*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	343.85	30.40
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-34.15*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	446.72	45.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-51.22*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	145.43	75.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.27*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	175.08	91.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.32*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	202.12	105.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.96*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	245.19	125.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.77*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	283.60	137.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-155.11*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	371.14	172.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-193.89*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	482.82	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	588.26	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	149.40	75.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-85.27*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	180.33	91.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-102.32*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	214.22	103.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-116.13*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	260.57	122.95
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.72*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	306.63	137.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-155.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	383.13	165.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-185.60*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	518.66	207.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-233.50*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	731.59	257.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-289.54*	
23 11 26 00-0099		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*		
23 11 26 00-0100		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	148.37	32.67
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	176.97	38.70
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	222.36	57.09
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	315.22	74.02
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	460.12	88.93
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	634.95	105.48
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	812.12	133.08
23 11 26 00-0108		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*		
23 11 26 00-0109		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,715.00	404.32
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,117.65	485.31
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,919.44	563.98
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	6,967.67	735.53
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	11,413.52	919.59
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	15,454.27	1,106.35
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	20,687.28	1,370.03
23 11 26 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,719.58	404.32
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,109.60	485.31
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,913.13	563.98
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	6,930.50	735.53
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	11,359.70	919.59
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	15,381.05	1,106.87
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	20,592.03	1,373.14
23 11 26 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,761.68	606.49
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,725.34	730.94
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,324.30	846.40
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,774.46	1,107.38
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	11,106.88	1,373.14
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	19,644.95	1,659.16
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	26,954.10	2,011.68
23 11 26 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,692.40	606.49
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,487.37	730.09
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,834.56	846.40
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	11,242.29	1,107.38
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	15,009.64	1,373.14
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	24,567.58	1,659.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	32,320.05	2,011.68
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,023.10	404.32
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,059.87	485.31
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,335.19	563.98
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	5,677.68	735.53
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	7,755.70	919.59
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	10,147.50	1,106.35
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	14,351.84	1,370.03
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,160.23	404.32
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,412.00	485.31
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,688.91	563.98
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,099.74	735.53
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,408.00	919.59
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,574.62	1,106.35
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	8,394.43	1,370.03
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	501.82	48.53
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,003.25	96.85
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,986.76	74.44
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,252.14	103.10
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,176.10	73.52
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,549.02	110.34
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,885.38	132.57
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,776.22	154.49
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,390.11	220.56
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,319.79	156.98
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,984.60	235.15
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,946.86	161.94
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	5,063.12	242.90
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,563.07	550.75
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,342.22	735.53
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,004.34	880.41
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	4,232.99	1,106.35
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	6,344.55	1,370.03

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump *(23 12 13)* Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002		10 GPM 1" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,471.67	306.79
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,546.65	371.32
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,695.14	441.15
23 12 13 00-0006		25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,591.78	306.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,677.28	371.32
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,762.60	441.15
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,108.67	171.91
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,301.73	192.54
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,424.22	215.81
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,555.18	243.32
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,174.54	270.83
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,654.48	303.09
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	2,942.36	339.59
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,581.34	379.79
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,217.62	425.81
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,722.36	477.65
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,294.56	535.41
23 12 23		**Facility Natural-Gas Pumps** *(23 12)*		
23 12 23 00-0001		Natural Gas Booster Pump *(23 12 23)*		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,205.21	158.69
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,431.46	177.20
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,607.40	185.14
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,827.00	193.07
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,070.47	198.36
23 13		**Facility Fuel-Storage Tanks** *(23 10)*		
23 13 13		**Facility Underground Fuel-Oil, Storage Tanks** *(23 13)*		
23 13 13 13		**Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 13-0001		Coated Underground Double Wall Storage Tanks *(23 13 13 13)* Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,775.19	742.88
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,130.46	742.88
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,215.20	928.54
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	35,842.71	1,813.65
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	57,131.90	2,331.71
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	63,637.93	2,678.04
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	68,625.52	3,540.92
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	70,949.17	3,801.80
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	86,607.83	4,491.34
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	100,306.30	5,180.43
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	128,415.90	5,696.87
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	152,216.35	6,916.91
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	157,207.66	7,340.63
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	192,605.02	11,643.78
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	236,616.97	15,099.13
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	278,845.38	17,276.15
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	359,034.63	18,571.87
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	487,068.65	19,048.11
23 13 13 23		**Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 23-0001		Underground Fiberglass Storage Tanks *(23 13 13 23)*		
23 13 13 23-0002		Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)* Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,318.48	742.88
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,425.00	928.54
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,053.30	1,148.87
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,002.64	1,399.37
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,948.28	1,641.24
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,873.04	2,159.52
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,905.31	3,282.47
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,562.12	4,146.28
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,493.69	4,664.56
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	19,668.65	5,528.38
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	25,385.93	6,564.94
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	31,195.52	8,206.17
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	39,339.28	10,970.36
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	58,984.45	13,648.17
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	72,331.71	16,412.35
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	103,215.38	23,754.72
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	147,239.73	30,233.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0020		Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*		
		Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,379.99	742.88
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,048.69	928.54
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,246.45	1,122.95
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	17,209.63	1,641.35
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	19,306.50	2,159.52
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	22,176.39	3,282.47
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,659.32	4,146.28
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	30,344.68	4,664.56
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,519.65	5,528.38
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	39,384.33	6,564.94
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	54,201.09	8,206.17
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	67,106.60	10,970.36
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	103,770.75	16,412.35
23 13 13 23-0034		Underground Storage Tank Pump Enclosures *(23 13 13 23)*		
23 13 13 23-0035	EA	Secondary Containment Collar	4,219.37	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	4,219.37	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	843.87	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,687.75	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	2,109.68	
23 13 23		**Facility Aboveground Fuel-Oil, Storage Tanks** *(23 13)*		
23 13 23 13		**Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 13-0001		Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*		
		Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,177.75	137.84
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,264.67	144.73
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,372.76	155.07
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,576.84	165.41
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,758.06	172.30
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,072.63	206.76
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,788.36	241.22
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,528.10	275.67
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,524.97	310.13
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,043.55	344.60
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,772.15	413.52
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,466.46	482.43
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,181.33	551.36
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,969.07	585.82
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,761.94	620.27
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,662.82	654.73
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,450.56	689.19
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,640.31	827.03
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,555.76	895.95
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,781.51	1,033.79
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,012.40	1,171.63
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,428.04	137.84
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,516.67	144.73
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,624.76	155.07

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,827.13	165.41
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,008.35	172.30
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,324.64	206.76
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,064.37	241.22
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,804.11	275.67
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,800.98	310.13
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,319.56	344.60
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,048.15	413.52
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,742.46	482.43
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,457.34	551.36
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,245.08	585.82
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,037.95	620.27
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,940.54	654.73
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,728.28	689.19
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,916.31	827.03
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,831.76	895.95
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,057.51	1,033.79
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,288.41	1,171.63
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,376.06	137.84
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,454.41	144.73
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,524.78	155.07
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,795.72	165.41
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,898.08	172.30
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,202.37	206.76
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,854.67	241.22
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,865.27	275.67
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,471.27	310.13
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,152.17	344.60
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,083.05	413.52
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,643.65	482.43
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,406.52	551.36
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,158.26	585.82
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,149.99	620.27
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,562.29	654.73
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,931.73	689.19
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,647.78	827.03
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,312.38	895.95
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,131.29	1,033.79
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,979.34	1,171.63
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,507.51	137.84
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,585.86	144.73
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,656.23	155.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,927.17	165.41
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,029.53	172.30
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,333.82	206.76
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,986.12	241.22
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,996.72	275.67
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,678.16	310.13
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,889.32	344.60
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,820.21	413.52
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,382.52	482.43
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,143.68	551.36
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,897.13	585.82
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,887.15	620.27
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,299.44	654.73
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,668.89	689.19
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,384.94	827.03
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,051.26	895.95
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,868.45	1,033.79
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,716.49	1,171.63
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,140.09	137.84
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,227.01	144.73
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,299.10	155.07
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,578.61	165.41
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,728.97	172.30
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,005.84	206.76
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,683.85	241.22
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,742.45	275.67
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,370.74	310.13
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,116.78	344.60
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,095.66	413.52
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,603.11	482.43
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,468.85	551.36
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,378.30	585.82
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,292.89	620.27
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,754.90	654.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,098.63	689.19
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,891.82	827.03
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,637.00	895.95
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,536.48	1,033.79
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,461.67	1,171.63
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,271.55	137.84
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,358.47	144.73
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,430.55	155.07
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,710.06	165.41
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,860.42	172.30
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,133.86	206.76
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,815.30	241.22
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,873.90	275.67
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,502.19	310.13
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,853.93	344.60
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,832.82	413.52
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,511.70	482.43
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,206.00	551.36
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,115.46	585.82
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,030.05	620.27
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,492.06	654.73
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,837.51	689.19
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,628.98	827.03
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,374.16	895.95
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,273.64	1,033.79
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,198.83	1,171.63
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,166.57	137.84
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,264.05	144.73
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,371.80	155.07
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,567.79	165.41
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,083.91	172.30
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,141.34	206.76
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,692.09	241.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,331.09	275.67
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,375.14	310.13
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,496.13	344.60
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,597.63	413.52
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,090.40	482.43
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,585.43	551.36
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,328.53	585.82
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,073.88	620.27
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,721.95	654.73
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,376.78	689.19
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,742.48	827.03
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,034.05	895.95
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,476.70	1,033.79
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	15,869.56	1,171.63
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,230.11	144.73
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,338.11	155.07
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,450.87	165.41
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,651.07	172.30
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,241.16	206.76
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,298.59	241.22
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,876.75	275.67
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,548.05	310.13
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,646.92	344.60
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,827.01	379.06
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,983.30	447.97
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,497.07	516.89
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,013.23	585.82
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,794.41	620.27
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,577.98	654.73
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,258.87	689.19
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,004.31	758.12
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,433.13	895.95
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,904.94	1,033.79
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,414.97	1,171.63
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,872.46	1,309.46
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,345.34	137.84
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,465.45	144.73
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,586.77	155.07
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,828.02	165.41
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,441.45	172.30
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,498.88	206.76
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,131.09	241.22
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,876.45	275.67
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,105.44	310.13
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,482.76	344.60
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,785.65	413.52
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,348.58	482.43
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,916.02	551.36
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,801.68	585.82
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,689.59	620.27
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,444.00	654.73
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,216.52	689.19
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,819.83	827.03
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,351.26	895.95
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,031.51	1,033.79
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,661.98	1,171.63
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,418.81	144.73
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,550.69	155.07
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,677.79	165.41
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,925.76	172.30
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,618.57	206.76
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,676.00	241.22
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,340.14	275.67
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,123.71	310.13
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,417.79	344.60
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,868.44	379.06
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,237.33	447.97
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,825.15	516.89
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,417.74	585.82
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,349.40	620.27
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,283.46	654.73
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,076.59	689.19
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,946.26	758.12
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,625.88	895.95
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,350.88	1,033.79
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,111.72	1,171.63
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,820.01	1,309.46

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0001		**Single Wall Aboveground Storage Tanks** *(23 13 23 16)* Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,081.19	749.15
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,107.94	906.86
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,256.17	1,262.69
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,677.42	1,578.35
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	12,800.10	2,122.55
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	19,385.42	2,184.97
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,222.67	2,701.42
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	38,807.61	3,095.31
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	46,279.48	3,376.68
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	53,739.13	3,714.37
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	59,488.28	4,127.04
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	74,293.75	5,306.20
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	101,575.70	6,190.62
23 13 23 16-0015		**Double Wall Aboveground Storage Tanks** *(23 13 23 16)* Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,082.63	934.78
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,711.71	1,131.20
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	12,946.43	1,578.35
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	16,986.72	1,972.94
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,824.94	2,653.16
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	31,168.10	2,731.13
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	45,643.78	3,364.48
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,152.83	3,869.17
23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	75,498.42	4,220.91
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	87,790.16	4,642.91
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	97,173.12	5,158.89
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	121,267.54	6,632.78
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	166,429.55	7,738.22
23 13 23 16-0029		**Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks** *(23 13 23 16)* Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0030	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	15,780.40	1,131.20
23 13 23 16-0031	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,687.33	1,302.14
23 13 23 16-0032	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	18,745.10	1,578.35
23 13 23 16-0033	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	22,423.56	1,972.94
23 13 23 16-0034	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	28,693.50	2,653.16
23 13 23 19		**Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 19-0001		**Secondary Containment For Above Ground Tanks** *(23 13 23 19)*		
23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	6,620.70	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	7,997.74	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	17,533.27	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	19,174.84	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	27,279.98	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	30,564.20	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	40,364.24	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	47,356.22	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	53,819.03	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	65,525.54	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	83,907.30	
23 13 23 26		**Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 26-0001		**Aboveground Concrete Vaulted Storage Tanks** *(23 13 23 26)* Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	36,502.86	1,606.56
		For Low Profile Tanks, Add	*13,704.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	46,054.28	1,813.65
		For Low Profile Tanks, Add	*17,409.44*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	82,118.33	2,159.52
		For Low Profile Tanks, Add	*31,642.02*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	129,592.80	4,749.90
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	148,163.56	5,187.69
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	166,825.00	5,602.31
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	185,463.94	6,079.25
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	204,095.48	6,471.07

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	2,510.32	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,420.20	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	5,191.34	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	6,474.21	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	229.88	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	754.26	
23 13 33 00-0008	EA	Manhole Spill Containment	2,776.38	268.09
23 13 33 00-0009	EA	Fill Adapter, 4"	480.66	178.77
23 13 33 00-0010	EA	Fill Cap, 4"	340.61	67.03
23 13 33 00-0011	EA	2" Vent Cap	194.23	44.72
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	856.14	67.03
23 13 33 00-0013	EA	Float Vent Valve	408.33	134.05
23 13 33 00-0014	EA	Vapor Hose Adapter	760.49	89.33
23 13 33 00-0015	EA	Dust Cap	304.05	48.79
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	466.58	76.57
23 13 33 00-0017	EA	10' Wood Gage Stick	43.31	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	313.19	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	440.57	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	93.09	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	128.19	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	206.14	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	2,120.14	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,886.83	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,235.08	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,434.39	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,667.13	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	3,837.49	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,747.05	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,254.39	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,467.97	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,663.25	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,577.91	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	9,911.64	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	66.54	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	74.58	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	82.05	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	101.56	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	103.85	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	142.04	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	237.02	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	432.98	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	80.11	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	88.09	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	96.11	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	123.39	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	131.42	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	167.02	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	270.33	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	480.29	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	83.20	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	96.97	

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23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	110.17	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	144.93	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	195.09	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	315.60	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	508.42	
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	100.40	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	119.85	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	150.21	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	185.82	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	188.11	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	277.81	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	515.33	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	940.20	
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	84.45	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	112.60	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	114.90	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	117.19	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	171.16	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	220.54	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	430.36	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	492.09	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	607.61	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	702.24	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	809.92	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	1,023.30	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	1,331.85	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	1,472.23	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	435.71	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	434.53	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	640.01	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	652.07	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	886.91	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.98	4.23
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.94*	
		For Work In Restricted Working Space, Add	*4.37*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.54	4.54
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.76*	
		For Work In Restricted Working Space, Add	*4.57*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	28.83	4.97
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*7.81*	
		For Work In Restricted Working Space, Add	*4.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.36	5.18
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*9.96*	
		For Work In Restricted Working Space, Add	*5.20*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.19	6.14
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*10.94*	
		For Work In Restricted Working Space, Add	*5.27*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	46.24	7.40
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*13.48*	
		For Work In Restricted Working Space, Add	*5.94*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	68.47	8.77
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*20.72*	
		For Work In Restricted Working Space, Add	*7.37*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	87.57	11.74
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*26.71*	
		For Work In Restricted Working Space, Add	*9.02*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	126.20	13.75
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*40.13*	
		For Work In Restricted Working Space, Add	*9.93*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	196.55	17.58
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*64.44*	
		For Work In Restricted Working Space, Add	*11.84*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	238.78	20.79
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*78.81*	
		For Work In Restricted Working Space, Add	*13.41*	
23 21 13 23-0014		**Threaded Black Steel Pipe And Fittings** *(23 21 13 23-0001)* Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015		**Threaded And Coupled, Black Steel Piping** *(23 21 13 23-0014)* Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.70	2.64
		For Schedule 80 Pipe, Add	*2.05*	
		For Work In Restricted Working Space, Add	*1.60*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.02	4.23
		For Schedule 80 Pipe, Add	*3.17*	
		For Work In Restricted Working Space, Add	*1.92*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.08	4.54
		For Schedule 80 Pipe, Add	*3.95*	
		For Work In Restricted Working Space, Add	*2.05*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.08	4.97
		For Schedule 80 Pipe, Add	*5.10*	
		For Work In Restricted Working Space, Add	*2.22*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	20.79	5.18
		For Schedule 80 Pipe, Add	*6.62*	
		For Work In Restricted Working Space, Add	*2.35*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	24.71	6.14
		For Schedule 80 Pipe, Add	*7.90*	
		For Work In Restricted Working Space, Add	*2.76*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	31.44	7.40
		For Schedule 80 Pipe, Add	*10.25*	
		For Work In Restricted Working Space, Add	*3.34*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	45.29	8.77
		For Schedule 80 Pipe, Add	*15.75*	
		For Work In Restricted Working Space, Add	*3.97*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	59.64	11.74
		For Schedule 80 Pipe, Add	*20.67*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	83.47	13.75
		For Schedule 80 Pipe, Add	*30.32*	
		For Work In Restricted Working Space, Add	*6.20*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	109.76	17.58
		For Schedule 80 Pipe, Add	*40.18*	
		For Work In Restricted Working Space, Add	*7.90*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	141.17	20.79
		For Schedule 80 Pipe, Add	*52.63*	
		For Work In Restricted Working Space, Add	*9.34*	

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23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	200.83	25.12
		For Schedule 80 Pipe, Add	*77.21*	
		For Work In Restricted Working Space, Add	*11.28*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	276.98	30.61
		For Schedule 80 Pipe, Add	*108.56*	
		For Work In Restricted Working Space, Add	*13.79*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	370.94	40.23
		For Schedule 80 Pipe, Add	*145.81*	
		For Work In Restricted Working Space, Add	*18.10*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow	30.66	15.65
		For 300 LB Rating, Add	*18.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	33.17	18.82
		For 300 LB Rating, Add	*13.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow	37.55	21.05
		For 300 LB Rating, Add	*16.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow	45.65	23.47
		For 300 LB Rating, Add	*27.10*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	57.05	26.65
		For 300 LB Rating, Add	*43.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	67.57	30.03
		For 300 LB Rating, Add	*56.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow	96.09	38.17
		For 300 LB Rating, Add	*96.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.62*	
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	171.33	56.46
		For 300 LB Rating, Add	*213.27*	
		For Standard Weight Cast Iron Fittings, Add	*1.39*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow	238.24	74.23
		For 300 LB Rating, Add	*311.33*	
		For Standard Weight Cast Iron Fittings, Add	*2.03*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow	393.30	80.45
		For 300 LB Rating, Add	*661.62*	
		For Standard Weight Cast Iron Fittings, Add	*4.36*	
		For Work In Restricted Working Space, Add	*36.19*	
23 21 13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow	922.61	83.96
		For 300 LB Rating, Add	*1,919.70*	
		For Standard Weight Cast Iron Fittings, Add	*12.75*	
		For Work In Restricted Working Space, Add	*37.76*	
23 21 13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow	1,051.94	87.79
		For 300 LB Rating, Add	*2,216.69*	
		For Standard Weight Cast Iron Fittings, Add	*14.73*	
		For Work In Restricted Working Space, Add	*39.48*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	35.30	17.24
		For 300 LB Rating, Add	*24.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*7.75*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	39.62	19.88
		For 300 LB Rating, Add	*25.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	41.14	18.40
		For 300 LB Rating, Add	*34.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*8.26*	
23 21 13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	45.91	22.30
		For 300 LB Rating, Add	*32.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*10.02*	
23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	45.22	21.15
		For 300 LB Rating, Add	*34.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*9.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	55.94	19.56
		For 300 LB Rating, Add	*65.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*8.81*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	58.59	25.05
		For 300 LB Rating, Add	*52.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.34*	
		For Work In Restricted Working Space, Add	*11.27*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	59.18	23.79
		For 300 LB Rating, Add	*58.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*10.72*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	61.44	22.73
		For 300 LB Rating, Add	*67.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.44*	
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	72.09	28.34
		For 300 LB Rating, Add	*73.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	69.77	26.75
		For 300 LB Rating, Add	*73.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*12.04*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	72.21	25.48
		For 300 LB Rating, Add	*83.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*11.48*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	94.03	34.04
		For 300 LB Rating, Add	*106.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.69*	
		For Work In Restricted Working Space, Add	*15.32*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	97.35	32.36
		For 300 LB Rating, Add	*120.10*	
		For Standard Weight Cast Iron Fittings, Add	*0.78*	
		For Work In Restricted Working Space, Add	*14.56*	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	95.02	30.77
		For 300 LB Rating, Add	*119.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.78*	
		For Work In Restricted Working Space, Add	*13.86*	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	96.13	29.61
		For 300 LB Rating, Add	*126.91*	
		For Standard Weight Cast Iron Fittings, Add	*0.83*	
		For Work In Restricted Working Space, Add	*13.31*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	188.78	47.26
		For 300 LB Rating, Add	*287.24*	
		For Standard Weight Cast Iron Fittings, Add	*1.89*	
		For Work In Restricted Working Space, Add	*21.26*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	189.65	43.25
		For 300 LB Rating, Add	*303.53*	
		For Standard Weight Cast Iron Fittings, Add	*2.00*	
		For Work In Restricted Working Space, Add	*19.44*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	318.60	65.34
		For 300 LB Rating, Add	*535.46*	
		For Standard Weight Cast Iron Fittings, Add	*3.53*	
		For Work In Restricted Working Space, Add	*29.38*	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	274.85	56.14
		For 300 LB Rating, Add	*462.54*	
		For Standard Weight Cast Iron Fittings, Add	*3.05*	
		For Work In Restricted Working Space, Add	*25.27*	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	491.87	76.52
		For 300 LB Rating, Add	*911.97*	
		For Standard Weight Cast Iron Fittings, Add	*6.03*	
		For Work In Restricted Working Space, Add	*34.43*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	34.29	15.65
		For 300 LB Rating, Add	*27.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	36.41	18.82
		For 300 LB Rating, Add	*21.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	41.71	21.05
		For 300 LB Rating, Add	*26.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow	48.01	23.47
		For 300 LB Rating, Add	*32.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*10.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	62.49	26.65
		For 300 LB Rating, Add	*56.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	72.95	30.03
		For 300 LB Rating, Add	*69.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.45*	
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow	99.43	38.17
		For 300 LB Rating, Add	*104.90*	
		For Standard Weight Cast Iron Fittings, Add	*0.68*	
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	206.90	56.46
		For 300 LB Rating, Add	*298.64*	
		For Standard Weight Cast Iron Fittings, Add	*1.96*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow	270.18	74.23
		For 300 LB Rating, Add	*387.99*	
		For Standard Weight Cast Iron Fittings, Add	*2.54*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow	432.20	80.45
		For 300 LB Rating, Add	*754.98*	
		For Standard Weight Cast Iron Fittings, Add	*4.98*	
		For Work In Restricted Working Space, Add	*36.19*	
23 21 13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow	1,356.56	83.96
		For 300 LB Rating, Add	*2,961.18*	
		For Standard Weight Cast Iron Fittings, Add	*19.69*	
		For Work In Restricted Working Space, Add	*37.76*	
23 21 13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow	1,390.74	87.79
		For 300 LB Rating, Add	*3,029.81*	
		For Standard Weight Cast Iron Fittings, Add	*20.15*	
		For Work In Restricted Working Space, Add	*39.48*	
23 21 13 23-0079		Black Malleable Iron Tees *(23 21 13 23-0014)*		
23 21 13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee	39.78	19.35
		For 300 LB Rating, Add	*26.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*8.81*	
23 21 13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee	41.89	23.47
		For 300 LB Rating, Add	*18.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee	50.20	27.17
		For 300 LB Rating, Add	*25.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee	64.39	32.04
		For 300 LB Rating, Add	*42.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee	83.58	38.17
		For 300 LB Rating, Add	*66.86*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee	101.08	45.47
		For 300 LB Rating, Add	*82.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.53*	
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee	140.61	56.46
		For 300 LB Rating, Add	*139.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.90*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee	232.09	74.23
		For 300 LB Rating, Add	*296.57*	
		For Standard Weight Cast Iron Fittings, Add	*1.93*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee	310.09	88.18
		For 300 LB Rating, Add	*434.94*	
		For Standard Weight Cast Iron Fittings, Add	*2.85*	
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee	582.44	101.65
		For 300 LB Rating, Add	*1,041.26*	
		For Standard Weight Cast Iron Fittings, Add	*6.88*	
		For Work In Restricted Working Space, Add	*45.72*	
23 21 13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee	1,484.15	120.68
		For 300 LB Rating, Add	*3,138.51*	
		For Standard Weight Cast Iron Fittings, Add	*20.85*	
		For Work In Restricted Working Space, Add	*54.29*	
23 21 13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee	1,605.37	137.94
		For 300 LB Rating, Add	*3,368.95*	
		For Standard Weight Cast Iron Fittings, Add	*22.38*	
		For Work In Restricted Working Space, Add	*62.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0092		**Black Malleable Iron Reducing Tees** *(23 21 13 23-0014)*		
23 21 13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee	46.54	23.47
		For 300 LB Rating, Add	*29.23*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee	55.41	27.17
		For 300 LB Rating, Add	*37.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee	66.66	32.04
		For 300 LB Rating, Add	*47.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee	93.71	38.17
		For 300 LB Rating, Add	*91.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.58*	
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee	108.72	45.47
		For 300 LB Rating, Add	*101.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.65*	
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee	143.39	56.46
		For 300 LB Rating, Add	*146.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.94*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee	294.53	74.23
		For 300 LB Rating, Add	*446.43*	
		For Standard Weight Cast Iron Fittings, Add	*2.93*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee	342.04	88.18
		For 300 LB Rating, Add	*511.62*	
		For Standard Weight Cast Iron Fittings, Add	*3.36*	
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee	661.37	101.65
		For 300 LB Rating, Add	*1,230.70*	
		For Standard Weight Cast Iron Fittings, Add	*8.14*	
		For Work In Restricted Working Space, Add	*45.72*	
23 21 13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee	1,361.51	120.68
		For 300 LB Rating, Add	*2,844.18*	
		For Standard Weight Cast Iron Fittings, Add	*18.89*	
		For Work In Restricted Working Space, Add	*54.29*	
23 21 13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee	1,545.83	137.94
		For 300 LB Rating, Add	*3,226.06*	
		For Standard Weight Cast Iron Fittings, Add	*21.42*	
		For Work In Restricted Working Space, Add	*62.04*	
23 21 13 23-0104		**Black Malleable Iron Couplings** *(23 21 13 23-0014)*		
23 21 13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling	32.41	15.65
		For 300 LB Rating, Add	*22.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling	35.07	18.82
		For 300 LB Rating, Add	*18.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling	39.60	21.05
		For 300 LB Rating, Add	*21.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling	47.28	23.47
		For 300 LB Rating, Add	*31.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.19*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling	55.49	26.65
		For 300 LB Rating, Add	*39.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling	66.06	30.03
		For 300 LB Rating, Add	*53.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.34*	
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling	88.39	38.17
		For 300 LB Rating, Add	*78.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling	170.77	56.46
		For 300 LB Rating, Add	*211.93*	
		For Standard Weight Cast Iron Fittings, Add	*1.38*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling	227.83	74.23
		For 300 LB Rating, Add	*286.35*	
		For Standard Weight Cast Iron Fittings, Add	*1.86*	
		For Work In Restricted Working Space, Add	*33.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling	355.32	80.45
		For 300 LB Rating, Add	*570.47*	
		For Standard Weight Cast Iron Fittings, Add	*3.75*	
		For Work In Restricted Working Space, Add	*36.19*	
23 21 13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling	786.70	83.96
		For 300 LB Rating, Add	*1,593.52*	
		For Standard Weight Cast Iron Fittings, Add	*10.57*	
		For Work In Restricted Working Space, Add	*37.76*	
23 21 13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling	884.44	87.79
		For 300 LB Rating, Add	*1,814.69*	
		For Standard Weight Cast Iron Fittings, Add	*12.05*	
		For Work In Restricted Working Space, Add	*39.48*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling	36.73	18.82
		For 300 LB Rating, Add	*22.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling	40.59	21.05
		For 300 LB Rating, Add	*23.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling	49.29	23.47
		For 300 LB Rating, Add	*35.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling	57.97	26.65
		For 300 LB Rating, Add	*45.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling	67.83	30.03
		For 300 LB Rating, Add	*57.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.37*	
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling	90.25	38.17
		For 300 LB Rating, Add	*82.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.53*	
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling	182.40	56.46
		For 300 LB Rating, Add	*239.84*	
		For Standard Weight Cast Iron Fittings, Add	*1.57*	
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling	230.21	74.23
		For 300 LB Rating, Add	*292.06*	
		For Standard Weight Cast Iron Fittings, Add	*1.90*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling	358.99	80.45
		For 300 LB Rating, Add	*579.28*	
		For Standard Weight Cast Iron Fittings, Add	*3.81*	
		For Work In Restricted Working Space, Add	*36.19*	
23 21 13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling	661.61	83.96
		For 300 LB Rating, Add	*1,293.30*	
		For Standard Weight Cast Iron Fittings, Add	*8.57*	
		For Work In Restricted Working Space, Add	*37.76*	
23 21 13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling	819.70	87.79
		For 300 LB Rating, Add	*1,659.31*	
		For Standard Weight Cast Iron Fittings, Add	*11.01*	
		For Work In Restricted Working Space, Add	*39.48*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap	17.71	8.35
		For 300 LB Rating, Add	*12.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*3.80*	
23 21 13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap	20.99	9.41
		For 300 LB Rating, Add	*17.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap	24.09	10.47
		For 300 LB Rating, Add	*20.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*4.76*	
23 21 13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap	28.78	11.84
		For 300 LB Rating, Add	*27.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap	35.14	13.32
		For 300 LB Rating, Add	*36.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*6.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap	47.45	17.03
		For 300 LB Rating, Add	*53.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.35*	
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap	87.95	25.17
		For 300 LB Rating, Add	*122.02*	
		For Standard Weight Cast Iron Fittings, Add	*0.80*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap	123.66	33.09
		For 300 LB Rating, Add	*179.57*	
		For Standard Weight Cast Iron Fittings, Add	*1.18*	
		For Work In Restricted Working Space, Add	*15.03*	
23 21 13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap	180.44	35.88
		For 300 LB Rating, Add	*306.02*	
		For Standard Weight Cast Iron Fittings, Add	*2.02*	
		For Work In Restricted Working Space, Add	*16.29*	
23 21 13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap	357.32	37.43
		For 300 LB Rating, Add	*725.01*	
		For Standard Weight Cast Iron Fittings, Add	*4.81*	
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap	610.38	39.09
		For 300 LB Rating, Add	*1,326.34*	
		For Standard Weight Cast Iron Fittings, Add	*8.82*	
		For Work In Restricted Working Space, Add	*17.77*	
23 21 13 23-0141		**Black Malleable Iron Unions** *(23 21 13 23-0014)*		
23 21 13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union	47.58	15.65
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union	57.04	23.47
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union	65.73	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0145	EA	1", 150 LB, Black Malleable Iron Union	80.73	32.04
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0146	EA	1-1/4", 150 LB, Black Malleable Iron Union	104.00	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0147	EA	1-1/2", 150 LB, Black Malleable Iron Union	126.62	45.47
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-0148	EA	2", 150 LB, Black Malleable Iron Union	152.51	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0149	EA	2-1/2", 150 LB, Black Malleable Iron Union	327.23	83.21
		For Work In Restricted Working Space, Add	*37.46*	
23 21 13 23-0150	EA	3", 150 LB, Black Malleable Iron Union	407.92	109.44
		For Work In Restricted Working Space, Add	*49.29*	
23 21 13 23-0151	EA	3/8", 250 LB, Black Malleable Iron Union	55.32	15.65
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0152	EA	1/2", 250 LB, Black Malleable Iron Union	71.76	23.47
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0153	EA	3/4", 250 LB, Black Malleable Iron Union	76.59	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0154	EA	1", 250 LB, Black Malleable Iron Union	92.13	32.04
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0155	EA	1-1/4", 250 LB, Black Malleable Iron Union	131.11	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0156	EA	1-1/2", 250 LB, Black Malleable Iron Union	153.37	45.47
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0157	EA	2", 250 LB, Black Malleable Iron Union	193.81	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0158	EA	2-1/2", 250 LB, Black Malleable Iron Union	467.26	83.21
		For Work In Restricted Working Space, Add	*37.46*	
23 21 13 23-0159	EA	3", 250 LB, Black Malleable Iron Union	565.01	109.44
		For Work In Restricted Working Space, Add	*49.29*	
23 21 13 23-0160	EA	4", 250 LB, Black Malleable Iron Union	888.35	118.71
		For Work In Restricted Working Space, Add	*53.43*	
23 21 13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union	75.15	15.65
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union	77.03	23.47
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union	86.94	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0164	EA	1", 300 LB, Black Malleable Iron Union	108.47	32.04
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union	155.70	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union	171.42	45.47
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0167	EA	2", 300 LB, Black Malleable Iron Union	212.41	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union	537.01	83.21
		For Work In Restricted Working Space, Add	*37.46*	
23 21 13 23-0169	EA	3", 300 LB, Black Malleable Iron Union	697.48	109.44
		For Work In Restricted Working Space, Add	*49.29*	
23 21 13 23-0170	EA	4", 300 LB, Black Malleable Iron Union	1,870.34	118.71
		For Work In Restricted Working Space, Add	*53.43*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0171		Black Steel Nipples *(23 21 13 23-0014)*		
23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	20.61	10.04
		For Schedule 80 Nipples, Add	*2.76*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	19.75	10.04
		For Schedule 80 Nipples, Add	*2.33*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	20.44	10.04
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	24.02	10.89
		For Schedule 80 Nipples, Add	*3.88*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	27.44	11.74
		For Schedule 80 Nipples, Add	*4.91*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	29.85	11.74
		For Schedule 80 Nipples, Add	*6.12*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	39.39	15.12
		For Schedule 80 Nipples, Add	*8.33*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	80.34	18.82
		For Schedule 80 Nipples, Add	*26.07*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	96.07	22.73
		For Schedule 80 Nipples, Add	*30.98*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	134.69	27.61
		For Schedule 80 Nipples, Add	*46.66*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	21.36	10.04
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.75	10.04
		For Schedule 80 Nipples, Add	*2.33*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.84	10.04
		For Schedule 80 Nipples, Add	*2.87*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	21.36	10.04
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	19.75	10.04
		For Schedule 80 Nipples, Add	*2.33*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	20.84	10.04
		For Schedule 80 Nipples, Add	*2.87*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	24.77	10.89
		For Schedule 80 Nipples, Add	*4.25*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	28.76	11.74
		For Schedule 80 Nipples, Add	*5.57*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	30.83	11.74
		For Schedule 80 Nipples, Add	*6.61*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.14	10.04
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.61	10.04
		For Schedule 80 Nipples, Add	*2.76*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.59	10.04
		For Schedule 80 Nipples, Add	*3.25*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	25.29	10.89
		For Schedule 80 Nipples, Add	*4.51*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	29.45	11.74
		For Schedule 80 Nipples, Add	*5.92*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	32.38	11.74
		For Schedule 80 Nipples, Add	*7.38*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	41.86	15.12
		For Schedule 80 Nipples, Add	*9.56*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	23.14	10.04
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	20.61	10.04
		For Schedule 80 Nipples, Add	*2.76*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	21.59	10.04
		For Schedule 80 Nipples, Add	*3.25*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	25.29	10.89
		For Schedule 80 Nipples, Add	*4.51*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	29.45	11.74
		For Schedule 80 Nipples, Add	*5.92*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	32.38	11.74
		For Schedule 80 Nipples, Add	*7.38*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	41.86	15.12
		For Schedule 80 Nipples, Add	*9.56*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	81.72	18.82
		For Schedule 80 Nipples, Add	*26.76*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	101.47	22.73
		For Schedule 80 Nipples, Add	*33.68*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.58	10.04
		For Schedule 80 Nipples, Add	*4.74*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.70	10.04
		For Schedule 80 Nipples, Add	*3.30*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	23.14	10.04
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.41	10.89
		For Schedule 80 Nipples, Add	*5.57*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	31.63	11.74
		For Schedule 80 Nipples, Add	*7.01*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	34.16	11.74
		For Schedule 80 Nipples, Add	*8.27*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	45.88	15.12
		For Schedule 80 Nipples, Add	*11.57*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	91.14	18.82
		For Schedule 80 Nipples, Add	*31.47*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	113.87	22.73
		For Schedule 80 Nipples, Add	*39.88*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	24.58	10.04
		For Schedule 80 Nipples, Add	*4.74*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	21.70	10.04
		For Schedule 80 Nipples, Add	*3.30*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	23.14	10.04
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	27.41	10.89
		For Schedule 80 Nipples, Add	*5.57*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	31.63	11.74
		For Schedule 80 Nipples, Add	*7.01*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	34.16	11.74
		For Schedule 80 Nipples, Add	*8.27*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	45.88	15.12
		For Schedule 80 Nipples, Add	*11.57*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	91.14	18.82
		For Schedule 80 Nipples, Add	*31.47*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	113.87	22.73
		For Schedule 80 Nipples, Add	*39.88*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	149.33	27.61
		For Schedule 80 Nipples, Add	*53.98*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	28.77	10.04
		For Schedule 80 Nipples, Add	*6.84*	
		For Work In Restricted Working Space, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.85	10.04
		For Schedule 80 Nipples, Add	*3.88*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.21	10.04
		For Schedule 80 Nipples, Add	*5.06*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.48	10.89
		For Schedule 80 Nipples, Add	*6.61*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	34.39	11.74
		For Schedule 80 Nipples, Add	*8.39*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	37.83	11.74
		For Schedule 80 Nipples, Add	*10.11*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	49.39	15.12
		For Schedule 80 Nipples, Add	*13.33*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	97.34	18.82
		For Schedule 80 Nipples, Add	*34.57*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	122.08	22.73
		For Schedule 80 Nipples, Add	*43.99*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	164.72	27.61
		For Schedule 80 Nipples, Add	*61.68*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	28.77	10.04
		For Schedule 80 Nipples, Add	*6.84*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	22.85	10.04
		For Schedule 80 Nipples, Add	*3.88*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	25.21	10.04
		For Schedule 80 Nipples, Add	*5.06*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	29.48	10.89
		For Schedule 80 Nipples, Add	*6.61*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	34.39	11.74
		For Schedule 80 Nipples, Add	*8.39*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	37.83	11.74
		For Schedule 80 Nipples, Add	*10.11*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	49.39	15.12
		For Schedule 80 Nipples, Add	*13.33*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	97.34	18.82
		For Schedule 80 Nipples, Add	*34.57*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	122.08	22.73
		For Schedule 80 Nipples, Add	*43.99*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	164.72	27.61
		For Schedule 80 Nipples, Add	*61.68*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	30.32	10.04
		For Schedule 80 Nipples, Add	*7.61*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	23.77	10.04
		For Schedule 80 Nipples, Add	*4.34*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	26.58	10.04
		For Schedule 80 Nipples, Add	*5.74*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	31.89	10.89
		For Schedule 80 Nipples, Add	*7.81*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	37.49	11.74
		For Schedule 80 Nipples, Add	*9.94*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	40.82	11.74
		For Schedule 80 Nipples, Add	*11.60*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	53.98	15.12
		For Schedule 80 Nipples, Add	*15.62*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	100.27	18.82
		For Schedule 80 Nipples, Add	*36.04*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	129.72	22.73
		For Schedule 80 Nipples, Add	*47.81*	
		For Work In Restricted Working Space, Add	*10.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	173.22	27.61
		For Schedule 80 Nipples, Add	*65.93*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	41.80	10.04
		For Schedule 80 Nipples, Add	*13.35*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	30.72	10.04
		For Schedule 80 Nipples, Add	*7.81*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	34.22	10.04
		For Schedule 80 Nipples, Add	*9.56*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	41.82	10.89
		For Schedule 80 Nipples, Add	*12.78*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	49.72	11.74
		For Schedule 80 Nipples, Add	*16.05*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	54.43	11.74
		For Schedule 80 Nipples, Add	*18.41*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	75.11	15.12
		For Schedule 80 Nipples, Add	*26.19*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	119.91	18.82
		For Schedule 80 Nipples, Add	*45.86*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	163.09	22.73
		For Schedule 80 Nipples, Add	*64.49*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	193.55	27.61
		For Schedule 80 Nipples, Add	*76.09*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	45.08	10.04
		For Schedule 80 Nipples, Add	*14.99*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	33.88	10.04
		For Schedule 80 Nipples, Add	*9.39*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	37.32	10.04
		For Schedule 80 Nipples, Add	*11.11*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	46.13	10.89
		For Schedule 80 Nipples, Add	*14.93*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	56.09	11.74
		For Schedule 80 Nipples, Add	*19.24*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	60.69	11.74
		For Schedule 80 Nipples, Add	*21.54*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	84.30	15.12
		For Schedule 80 Nipples, Add	*30.78*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	131.22	18.82
		For Schedule 80 Nipples, Add	*51.51*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	178.99	22.73
		For Schedule 80 Nipples, Add	*72.44*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	214.68	27.61
		For Schedule 80 Nipples, Add	*86.66*	
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	49.21	10.04
		For Schedule 80 Nipples, Add	*17.06*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	37.38	10.04
		For Schedule 80 Nipples, Add	*11.14*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	39.79	10.04
		For Schedule 80 Nipples, Add	*12.35*	
		For Work In Restricted Working Space, Add	*4.53*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	50.55	10.89
		For Schedule 80 Nipples, Add	*17.14*	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	61.26	11.74
		For Schedule 80 Nipples, Add	*21.82*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	67.24	11.74
		For Schedule 80 Nipples, Add	*24.81*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	93.60	15.12
		For Schedule 80 Nipples, Add	*35.43*	
		For Work In Restricted Working Space, Add	*6.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	142.82	18.82
		For Schedule 80 Nipples, Add	*57.31*	
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	194.90	22.73
		For Schedule 80 Nipples, Add	*80.40*	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	244.54	27.61
		For Schedule 80 Nipples, Add	*101.59*	
		For Work In Restricted Working Space, Add	*12.41*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	33.47	17.24
		For Work In Restricted Working Space, Add	*7.75*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing	38.76	18.51
		For Work In Restricted Working Space, Add	*8.33*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing	40.88	19.88
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing	44.78	19.78
		For Work In Restricted Working Space, Add	*8.88*	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing	43.06	21.15
		For Work In Restricted Working Space, Add	*9.52*	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing	44.74	22.30
		For Work In Restricted Working Space, Add	*10.02*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing	48.95	21.26
		For Work In Restricted Working Space, Add	*9.58*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing	50.29	22.73
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing	50.35	23.79
		For Work In Restricted Working Space, Add	*10.72*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing	52.20	25.05
		For Work In Restricted Working Space, Add	*11.27*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	56.92	23.05
		For Work In Restricted Working Space, Add	*10.34*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing	55.09	24.42
		For Work In Restricted Working Space, Add	*10.98*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	56.77	25.48
		For Work In Restricted Working Space, Add	*11.48*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing	56.37	26.75
		For Work In Restricted Working Space, Add	*12.04*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	61.00	28.34
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing	72.26	27.07
		For Work In Restricted Working Space, Add	*12.17*	
23 21 13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing	70.62	28.44
		For Work In Restricted Working Space, Add	*12.80*	
23 21 13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing	68.00	29.61
		For Work In Restricted Working Space, Add	*13.31*	
23 21 13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing	68.34	30.77
		For Work In Restricted Working Space, Add	*13.86*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	70.67	32.36
		For Work In Restricted Working Space, Add	*14.56*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	75.72	34.04
		For Work In Restricted Working Space, Add	*15.32*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	98.33	38.70
		For Work In Restricted Working Space, Add	*17.42*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing	100.17	39.97
		For Work In Restricted Working Space, Add	*17.98*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	102.50	41.45
		For Work In Restricted Working Space, Add	*18.68*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	102.29	43.25
		For Work In Restricted Working Space, Add	*19.44*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing	108.06	47.26
		For Work In Restricted Working Space, Add	*21.26*	
23 21 13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing	127.10	47.58
		For Work In Restricted Working Space, Add	*21.43*	
23 21 13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing	128.93	48.85
		For Work In Restricted Working Space, Add	*21.98*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing	131.26	50.43
		For Work In Restricted Working Space, Add	*22.68*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing	132.73	52.12
		For Work In Restricted Working Space, Add	*23.45*	
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing	135.24	56.14
		For Work In Restricted Working Space, Add	*25.27*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing	149.71	65.34
		For Work In Restricted Working Space, Add	*29.38*	
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing	182.52	50.46
		For Work In Restricted Working Space, Add	*22.73*	
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing	184.31	51.70
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing	186.59	53.25
		For Work In Restricted Working Space, Add	*23.95*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing	189.08	54.91
		For Work In Restricted Working Space, Add	*24.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0323		EA	4" x 2", 150 LB, Black Malleable Iron Bushing	189.29	58.84
			For Work In Restricted Working Space, Add	*26.48*	
23 21 13 23-0324		EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing	202.70	67.83
			For Work In Restricted Working Space, Add	*30.50*	
23 21 13 23-0325		EA	4" x 3", 150 LB, Black Malleable Iron Bushing	215.77	76.52
			For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-0326			**Black Malleable Iron Square Head Plugs** *(23 21 13 23-0014)*		
23 21 13 23-0327		EA	3/8", 150 LB, Black Malleable Iron Square Head Plug	15.23	6.24
			For Work In Restricted Working Space, Add	*2.82*	
23 21 13 23-0328		EA	1/2", 150 LB, Black Malleable Iron Square Head Plug	17.50	7.51
			For Work In Restricted Working Space, Add	*3.38*	
23 21 13 23-0329		EA	3/4", 150 LB, Black Malleable Iron Square Head Plug	18.84	8.46
			For Work In Restricted Working Space, Add	*3.79*	
23 21 13 23-0330		EA	1", 150 LB, Black Malleable Iron Square Head Plug	21.91	9.41
			For Work In Restricted Working Space, Add	*4.23*	
23 21 13 23-0331		EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug	25.81	10.68
			For Work In Restricted Working Space, Add	*4.79*	
23 21 13 23-0332		EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug	31.73	11.95
			For Work In Restricted Working Space, Add	*5.40*	
23 21 13 23-0333		EA	2", 150 LB, Black Malleable Iron Square Head Plug	42.39	15.22
			For Work In Restricted Working Space, Add	*6.86*	
23 21 13 23-0334		EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug	69.37	22.52
			For Work In Restricted Working Space, Add	*10.15*	
23 21 13 23-0335		EA	3", 150 LB, Black Malleable Iron Square Head Plug	93.32	29.71
			For Work In Restricted Working Space, Add	*13.36*	
23 21 13 23-0336		EA	4", 150 LB, Black Malleable Iron Square Head Plug	150.61	32.16
			For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-0337		EA	5", 150 LB, Black Malleable Iron Square Head Plug	270.19	33.60
			For Work In Restricted Working Space, Add	*15.11*	
23 21 13 23-0338		EA	6", 150 LB, Black Malleable Iron Square Head Plug	324.93	35.05
			For Work In Restricted Working Space, Add	*15.80*	
23 21 13 23-0339			**125 LB Black Cast Iron Screwed Flanges** *(23 21 13 23-0014)*		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340		EA	3/4", 125 LB, Black Cast Iron Flange	174.87	42.29
			For Work In Restricted Working Space, Add	*19.03*	
23 21 13 23-0341		EA	1", 125 LB, Black Cast Iron Flange	142.55	47.79
			For Work In Restricted Working Space, Add	*21.50*	
23 21 13 23-0342		EA	1-1/4", 125 LB, Black Cast Iron Flange	158.98	49.49
			For Work In Restricted Working Space, Add	*22.26*	
23 21 13 23-0343		EA	1-1/2", 125 LB, Black Cast Iron Flange	159.07	53.82
			For Work In Restricted Working Space, Add	*24.22*	
23 21 13 23-0344		EA	2", 125 LB, Black Cast Iron Flange	162.43	56.14
			For Work In Restricted Working Space, Add	*25.28*	
23 21 13 23-0345		EA	2-1/2", 125 LB, Black Cast Iron Flange	188.90	65.03
			For Work In Restricted Working Space, Add	*29.23*	
23 21 13 23-0346		EA	3", 125 LB, Black Cast Iron Flange	241.49	82.47
			For Work In Restricted Working Space, Add	*37.10*	
23 21 13 23-0347		EA	4", 125 LB, Black Cast Iron Flange	324.26	110.34
			For Work In Restricted Working Space, Add	*49.64*	
23 21 13 23-0348		EA	5", 125 LB, Black Cast Iron Flange	421.29	131.43
			For Work In Restricted Working Space, Add	*59.09*	
23 21 13 23-0349		EA	6", 125 LB, Black Cast Iron Flange	480.02	150.87
			For Work In Restricted Working Space, Add	*67.86*	
23 21 13 23-0350			**150 LB, Black Malleable Iron Flanges** *(23 21 13 23-0014)*		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351		EA	1/2", 150 LB, Black Malleable Iron Flange	82.58	38.59
			For Work In Restricted Working Space, Add	*17.38*	
23 21 13 23-0352		EA	3/4", 150 LB, Black Malleable Iron Flange	90.00	42.29
			For Work In Restricted Working Space, Add	*19.03*	
23 21 13 23-0353		EA	1", 150 LB, Black Malleable Iron Flange	106.18	47.79
			For Work In Restricted Working Space, Add	*21.50*	
23 21 13 23-0354		EA	1-1/4", 150 LB, Black Malleable Iron Flange	111.09	49.49
			For Work In Restricted Working Space, Add	*22.26*	
23 21 13 23-0355		EA	1-1/2", 150 LB, Black Malleable Iron Flange	120.97	53.82
			For Work In Restricted Working Space, Add	*24.22*	
23 21 13 23-0356		EA	2", 150 LB, Black Malleable Iron Flange	136.72	56.14
			For Work In Restricted Working Space, Add	*25.27*	
23 21 13 23-0357		EA	2-1/2", 150 LB, Black Malleable Iron Flange	179.75	65.03
			For Work In Restricted Working Space, Add	*29.23*	
23 21 13 23-0358		EA	3", 150 LB, Black Malleable Iron Flange	227.67	82.47
			For Work In Restricted Working Space, Add	*37.09*	
23 21 13 23-0359		EA	4", 150 LB, Black Malleable Iron Flange	342.13	110.34
			For Work In Restricted Working Space, Add	*49.62*	
23 21 13 23-0360			**Cut And Thread Existing In-Place Black Steel Pipe** *(23 21 13 23-0014)*		
			Note: For use when connecting pipe to an existing in-place system.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	34.45	
		For Work In Restricted Working Space, Add	*10.34*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	37.89	
		For Work In Restricted Working Space, Add	*11.37*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	41.34	
		For Work In Restricted Working Space, Add	*12.40*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	44.78	
		For Work In Restricted Working Space, Add	*13.43*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	47.07	
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	49.37	
		For Work In Restricted Working Space, Add	*14.81*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	51.67	
		For Work In Restricted Working Space, Add	*15.50*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	53.96	
		For Work In Restricted Working Space, Add	*16.19*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	56.26	
		For Work In Restricted Working Space, Add	*16.88*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	60.85	
		For Work In Restricted Working Space, Add	*18.26*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	65.44	
		For Work In Restricted Working Space, Add	*19.63*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	71.18	
		For Work In Restricted Working Space, Add	*21.35*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	75.78	
		For Work In Restricted Working Space, Add	*22.73*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.25	8.05
		For Work In Restricted Working Space, Add	*5.88*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	34.40	8.59
		For Work In Restricted Working Space, Add	*6.59*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	42.97	9.12
		For Work In Restricted Working Space, Add	*7.56*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.85	9.12
		For Work In Restricted Working Space, Add	*7.91*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	55.07	9.12
		For Work In Restricted Working Space, Add	*9.15*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	63.73	9.12
		For Work In Restricted Working Space, Add	*10.61*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	80.47	8.90
		For Work In Restricted Working Space, Add	*11.19*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	113.71	11.39
		For Work In Restricted Working Space, Add	*14.14*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	165.22	16.98
		For Work In Restricted Working Space, Add	*16.27*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	249.73	21.09
		For Work In Restricted Working Space, Add	*24.15*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	340.00	26.37
		For Work In Restricted Working Space, Add	*28.79*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	435.54	31.84
		For Work In Restricted Working Space, Add	*33.27*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	448.80	41.55
		For Work In Restricted Working Space, Add	*37.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	516.06	52.73
		For Work In Restricted Working Space, Add	*41.48*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	672.34	65.28
		For Work In Restricted Working Space, Add	*45.51*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	831.66	80.67
		For Work In Restricted Working Space, Add	*52.10*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	1,040.41	91.43
		For Work In Restricted Working Space, Add	*57.28*	
23 21 13 23-0393		**Welded Black Steel Pipe And Fittings** *(23 21 13 23-0374)* Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		**Welded Plain End (A-53) Black Steel Piping** *(23 21 13 23-0393)*		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	14.93	4.29
		For Schedule 80 Pipe, Add	*2.56*	
		For Work In Restricted Working Space, Add	*2.58*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	19.16	5.37
		For Schedule 80 Pipe, Add	*3.30*	
		For Work In Restricted Working Space, Add	*3.22*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	25.24	6.44
		For Schedule 80 Pipe, Add	*4.40*	
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	31.45	7.51
		For Schedule 80 Pipe, Add	*5.54*	
		For Work In Restricted Working Space, Add	*4.51*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	37.47	8.90
		For Schedule 80 Pipe, Add	*6.60*	
		For Work In Restricted Working Space, Add	*5.34*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	43.10	10.09
		For Schedule 80 Pipe, Add	*11.56*	
		For Work In Restricted Working Space, Add	*6.05*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	58.07	10.84
		For Schedule 80 Pipe, Add	*16.53*	
		For Work In Restricted Working Space, Add	*6.50*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	85.17	13.41
		For Schedule 80 Pipe, Add	*25.11*	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	131.05	21.72
		For Schedule 80 Pipe, Add	*40.05*	
		For Work In Restricted Working Space, Add	*9.98*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	192.77	22.67
		For Schedule 80 Pipe, Add	*59.53*	
		For Schedule 30 Pipe, Deduct	*-34.02*	
		For Work In Restricted Working Space, Add	*13.61*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	263.30	27.31
		For Schedule 80 Pipe, Add	*82.59*	
		For Schedule 30 Pipe, Deduct	*-47.20*	
		For Work In Restricted Working Space, Add	*16.39*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	341.96	33.01
		For Schedule 80 Pipe, Add	*108.13*	
		For Schedule 30 Pipe, Deduct	*-61.79*	
		For Work In Restricted Working Space, Add	*19.80*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	321.23	34.80
		For Schedule 80 Pipe, Add	*100.25*	
		For Schedule 30 Pipe, Deduct	*-57.29*	
		For Schedule 20 Pipe, Deduct	*-101.99*	
		For Work In Restricted Working Space, Add	*20.88*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	356.14	37.43
		For Schedule 80 Pipe, Add	*111.55*	
		For Schedule 30 Pipe, Deduct	*-63.74*	
		For Schedule 20 Pipe, Deduct	*-113.42*	
		For Work In Restricted Working Space, Add	*22.46*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	470.80	40.50
		For Schedule 80 Pipe, Add	*150.61*	
		For Schedule 30 Pipe, Deduct	*-86.06*	
		For Schedule 20 Pipe, Deduct	*-152.63*	
		For Work In Restricted Working Space, Add	*24.30*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	554.71	48.51
		For Schedule 80 Pipe, Add	*177.17*	
		For Work In Restricted Working Space, Add	*29.11*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	702.84	55.78
		For Schedule 80 Pipe, Add	*226.47*	
		For Work In Restricted Working Space, Add	*33.47*	
23 21 13 23-0412		**Welded Plain End (A-106) Seamless Carbon Steel Piping** *(23 21 13 23-0393)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	10.96	3.01
		For Work In Restricted Working Space, Add	*1.80*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.73*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.08	3.32
		For Work In Restricted Working Space, Add	*1.96*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.66*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	14.00	4.29
		For Work In Restricted Working Space, Add	*2.58*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.29*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	17.16	5.37
		For Work In Restricted Working Space, Add	*3.22*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.99*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	21.68	6.44
		For Work In Restricted Working Space, Add	*3.86*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.19*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	25.32	7.51
		For Work In Restricted Working Space, Add	*4.51*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.06*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	30.09	8.90
		For Work In Restricted Working Space, Add	*5.34*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.22*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	39.81	10.09
		For Work In Restricted Working Space, Add	*6.05*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*14.02*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	45.71	10.84
		For Work In Restricted Working Space, Add	*6.50*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*16.71*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	56.83	13.41
		For Work In Restricted Working Space, Add	*8.05*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*20.82*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	89.15	21.79
		For Work In Restricted Working Space, Add	*9.98*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*36.28*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	129.45	22.67
		For Work In Restricted Working Space, Add	*13.61*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*53.90*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	174.57	27.31
		For Work In Restricted Working Space, Add	*16.39*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*75.36*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	212.86	33.01
		For Work In Restricted Working Space, Add	*19.80*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*92.14*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	250.20	34.80
		For Work In Restricted Working Space, Add	*20.88*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*111.58*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	289.21	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*131.26*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	351.39	40.50
		For Work In Restricted Working Space, Add	*24.30*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*163.57*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	423.48	48.51
		For Work In Restricted Working Space, Add	*29.11*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*197.37*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	534.52	55.78
		For Work In Restricted Working Space, Add	*33.47*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*253.59*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	122.62	66.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.27*	
		For Work In Restricted Working Space, Add	*30.05*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	127.87	70.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.29*	
		For Work In Restricted Working Space, Add	*31.63*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	142.63	80.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.17*	
		For Work In Restricted Working Space, Add	*36.06*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	152.13	86.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.02*	
		For Work In Restricted Working Space, Add	*38.91*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	191.13	112.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.63*	
		For Work In Restricted Working Space, Add	*50.61*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	240.78	140.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.09*	
		For Work In Restricted Working Space, Add	*63.26*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	253.17	145.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.12*	
		For Work In Restricted Working Space, Add	*65.22*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	434.92	250.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*91.02*	
		For Work In Restricted Working Space, Add	*112.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	765.60	413.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*164.56*	
		For Work In Restricted Working Space, Add	*186.06*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,126.65	571.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*248.03*	
		For Work In Restricted Working Space, Add	*257.04*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,474.65	653.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*339.58*	
		For Work In Restricted Working Space, Add	*293.76*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,999.62	854.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*465.36*	
		For Work In Restricted Working Space, Add	*384.36*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,486.83	1,010.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*587.03*	
		For Work In Restricted Working Space, Add	*454.34*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,099.41	1,179.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*744.14*	
		For Work In Restricted Working Space, Add	*530.53*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,684.96	1,315.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*898.44*	
		For Work In Restricted Working Space, Add	*591.58*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,728.90	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,186.50*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,575.31	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,432.69*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0450		**Welded Plain End Black Steel Reducing 90 Degree Elbows** *(23 21 13 23-0393)*		
23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	619.72	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*146.39*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,088.94	408.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*262.30*	
		For Work In Restricted Working Space, Add	*183.94*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,170.52	408.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*286.78*	
		For Work In Restricted Working Space, Add	*183.94*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,860.52	571.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*468.19*	
		For Work In Restricted Working Space, Add	*257.04*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,055.04	571.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*526.55*	
		For Work In Restricted Working Space, Add	*257.04*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,583.57	653.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*672.26*	
		For Work In Restricted Working Space, Add	*293.76*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,583.57	653.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*672.26*	
		For Work In Restricted Working Space, Add	*293.76*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,284.34	870.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,148.21*	
		For Work In Restricted Working Space, Add	*391.68*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,284.34	870.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,148.21*	
		For Work In Restricted Working Space, Add	*391.68*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,813.45	870.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,306.95*	
		For Work In Restricted Working Space, Add	*391.68*	
23 21 13 23-0461		**Welded Plain End Black Steel 45 Degree Elbows** *(23 21 13 23-0393)*		
23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	109.01	60.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.13*	
		For Work In Restricted Working Space, Add	*27.36*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	112.23	62.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.75*	
		For Work In Restricted Working Space, Add	*28.33*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	126.18	72.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.48*	
		For Work In Restricted Working Space, Add	*32.51*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	134.76	78.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.15*	
		For Work In Restricted Working Space, Add	*35.09*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	169.10	100.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.84*	
		For Work In Restricted Working Space, Add	*45.39*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	210.65	126.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.25*	
		For Work In Restricted Working Space, Add	*56.98*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	243.49	144.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.22*	
		For Work In Restricted Working Space, Add	*65.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	418.85	250.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*86.21*	
		For Work In Restricted Working Space, Add	*112.70*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	725.65	413.19
		For Schedule 80 Or Extra Heavy Fittings, Add	*152.65*	
		For Work In Restricted Working Space, Add	*185.85*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,053.82	571.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*226.18*	
		For Work In Restricted Working Space, Add	*257.04*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,340.96	653.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*299.47*	
		For Work In Restricted Working Space, Add	*293.76*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,803.37	853.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*406.74*	
		For Work In Restricted Working Space, Add	*383.64*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,226.45	1,011.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*508.71*	
		For Work In Restricted Working Space, Add	*454.94*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,738.42	1,178.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*636.03*	
		For Work In Restricted Working Space, Add	*529.98*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,220.43	1,313.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*759.31*	
		For Work In Restricted Working Space, Add	*590.90*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,049.47	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*982.68*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,687.36	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,166.30*	
		For Work In Restricted Working Space, Add	*685.44*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	225.46	114.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.61*	
		For Work In Restricted Working Space, Add	*51.50*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	225.41	114.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.60*	
		For Work In Restricted Working Space, Add	*51.49*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	255.76	127.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.68*	
		For Work In Restricted Working Space, Add	*57.28*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	279.44	143.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*61.30*	
		For Work In Restricted Working Space, Add	*64.38*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	343.84	191.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*73.07*	
		For Work In Restricted Working Space, Add	*85.96*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	393.15	214.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.15*	
		For Work In Restricted Working Space, Add	*96.57*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	469.43	260.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*99.82*	
		For Work In Restricted Working Space, Add	*117.17*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	674.43	376.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*143.03*	
		For Work In Restricted Working Space, Add	*169.41*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,132.71	622.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*241.85*	
		For Work In Restricted Working Space, Add	*279.90*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,675.36	870.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*365.52*	
		For Work In Restricted Working Space, Add	*391.68*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,143.18	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*483.02*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,901.34	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*664.77*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,800.84	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*900.35*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,574.55	1,828.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,084.48*	
		For Work In Restricted Working Space, Add	*822.53*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	6,040.22	2,031.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,492.19*	
		For Work In Restricted Working Space, Add	*913.92*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	8,049.27	2,285.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,054.93*	
		For Work In Restricted Working Space, Add	*1,028.16*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	9,328.50	2,461.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,411.01*	
		For Work In Restricted Working Space, Add	*1,107.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	220.10	110.94
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.57*	
		For Work In Restricted Working Space, Add	*49.89*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	225.41	114.48
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.60*	
		For Work In Restricted Working Space, Add	*51.49*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	252.32	127.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.65*	
		For Work In Restricted Working Space, Add	*57.28*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	276.00	143.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.27*	
		For Work In Restricted Working Space, Add	*64.38*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	351.56	191.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*75.38*	
		For Work In Restricted Working Space, Add	*85.97*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	393.26	214.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.17*	
		For Work In Restricted Working Space, Add	*96.60*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	469.79	260.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*99.93*	
		For Work In Restricted Working Space, Add	*117.17*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	674.94	376.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*143.19*	
		For Work In Restricted Working Space, Add	*169.41*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,133.58	622.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*242.11*	
		For Work In Restricted Working Space, Add	*279.90*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,677.03	870.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*366.02*	
		For Work In Restricted Working Space, Add	*391.68*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,146.01	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*483.87*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,905.62	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*666.05*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,807.73	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*902.42*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,582.89	1,828.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,086.98*	
		For Work In Restricted Working Space, Add	*822.53*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	6,053.86	2,031.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,496.29*	
		For Work In Restricted Working Space, Add	*913.92*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,181.75	2,285.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,094.67*	
		For Work In Restricted Working Space, Add	*1,028.16*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,920.30	2,461.83
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,588.55*	
		For Work In Restricted Working Space, Add	*1,107.25*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	150.44	69.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.15*	
		For Work In Restricted Working Space, Add	*31.38*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	160.63	76.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.14*	
		For Work In Restricted Working Space, Add	*34.44*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	157.95	74.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.61*	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	172.97	84.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.54*	
		For Work In Restricted Working Space, Add	*38.14*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	165.45	79.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.08*	
		For Work In Restricted Working Space, Add	*35.88*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	162.78	78.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.56*	
		For Work In Restricted Working Space, Add	*35.08*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	179.58	101.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.93*	
		For Work In Restricted Working Space, Add	*45.54*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	191.95	98.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.15*	
		For Work In Restricted Working Space, Add	*44.09*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	184.45	93.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.69*	
		For Work In Restricted Working Space, Add	*41.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	225.31	128.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.32*	
		For Work In Restricted Working Space, Add	*57.93*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	211.01	115.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.11*	
		For Work In Restricted Working Space, Add	*51.98*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	236.73	112.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.33*	
		For Work In Restricted Working Space, Add	*50.53*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	252.03	144.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.85*	
		For Work In Restricted Working Space, Add	*65.03*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	254.52	144.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.60*	
		For Work In Restricted Working Space, Add	*65.03*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	259.80	144.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.18*	
		For Work In Restricted Working Space, Add	*65.03*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	422.58	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*87.24*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	425.07	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*87.99*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	432.57	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.24*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	708.09	408.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*148.05*	
		For Work In Restricted Working Space, Add	*183.94*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	761.96	408.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*164.21*	
		For Work In Restricted Working Space, Add	*183.94*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,054.09	622.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*218.26*	
		For Work In Restricted Working Space, Add	*279.91*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,154.33	622.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*248.33*	
		For Work In Restricted Working Space, Add	*279.91*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,231.52	715.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*256.80*	
		For Work In Restricted Working Space, Add	*321.89*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,352.03	715.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*292.95*	
		For Work In Restricted Working Space, Add	*321.89*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,510.58	715.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*340.51*	
		For Concentric Reducers, Deduct	*-140.04*	
		For Work In Restricted Working Space, Add	*321.89*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,550.53	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*328.33*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,691.32	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*370.57*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,929.29	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*441.96*	
		For Concentric Reducers, Deduct	*-200.37*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,546.54	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*327.13*	
		For Concentric Reducers, Deduct	*-77.89*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,957.49	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*427.31*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,031.63	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*449.55*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,770.78	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*671.30*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,377.80	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*533.41*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,596.06	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*598.89*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,681.03	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*624.38*	
		For Concentric Reducers, Deduct	*-309.58*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,638.19	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*911.53*	
		For Work In Restricted Working Space, Add	*514.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,114.48	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,054.42*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,154.91	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*740.84*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,172.95	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*446.25*	
		For Concentric Reducers, Deduct	*-68.66*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,269.60	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*775.25*	
		For Concentric Reducers, Deduct	*-419.58*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,438.70	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*825.98*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,868.31	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,254.86*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,713.89	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*882.00*	
		For Concentric Reducers, Deduct	*-480.89*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,710.01	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*880.84*	
		For Concentric Reducers, Deduct	*-479.65*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	5,601.28	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,448.22*	
		For Concentric Reducers, Deduct	*-1,084.86*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,359.89	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,675.80*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	7,497.83	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,017.18*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,255.21	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,036.66*	
		For Concentric Reducers, Deduct	*-630.53*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,484.48	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,105.44*	
		For Concentric Reducers, Deduct	*-703.90*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	5,549.73	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,425.02*	
		For Concentric Reducers, Deduct	*-1,044.78*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	7,532.08	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,019.72*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	9,018.47	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,465.64*	
		For Work In Restricted Working Space, Add	*685.44*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	138.44	69.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.55*	
		For Work In Restricted Working Space, Add	*31.38*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	148.63	76.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.54*	
		For Work In Restricted Working Space, Add	*34.44*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	145.95	74.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.01*	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	160.97	84.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.94*	
		For Work In Restricted Working Space, Add	*38.14*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	153.45	79.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.48*	
		For Work In Restricted Working Space, Add	*35.88*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	150.78	78.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.96*	
		For Work In Restricted Working Space, Add	*35.08*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	173.47	101.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.10*	
		For Work In Restricted Working Space, Add	*45.54*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	168.63	98.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.16*	
		For Work In Restricted Working Space, Add	*44.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	169.46	93.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.19*	
		For Work In Restricted Working Space, Add	*41.84*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	220.87	128.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.99*	
		For Work In Restricted Working Space, Add	*57.93*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	208.52	115.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.36*	
		For Work In Restricted Working Space, Add	*51.98*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	215.62	112.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.00*	
		For Work In Restricted Working Space, Add	*50.53*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	239.25	144.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.02*	
		For Work In Restricted Working Space, Add	*65.03*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	240.92	144.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.52*	
		For Work In Restricted Working Space, Add	*65.03*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	244.53	144.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.60*	
		For Work In Restricted Working Space, Add	*65.03*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	405.36	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*82.08*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	411.75	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*83.99*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	411.75	251.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*83.99*	
		For Work In Restricted Working Space, Add	*112.94*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	673.67	408.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*137.72*	
		For Work In Restricted Working Space, Add	*183.94*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	686.43	408.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*141.55*	
		For Work In Restricted Working Space, Add	*183.94*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,012.44	622.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*205.76*	
		For Work In Restricted Working Space, Add	*279.91*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,035.21	622.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*212.60*	
		For Work In Restricted Working Space, Add	*279.91*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,227.07	715.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*255.46*	
		For Work In Restricted Working Space, Add	*321.89*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,217.63	715.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*252.63*	
		For Work In Restricted Working Space, Add	*321.89*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,336.48	715.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*288.28*	
		For Work In Restricted Working Space, Add	*321.89*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,493.61	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*311.26*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,522.15	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*319.82*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,532.48	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*322.92*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,835.43	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*413.80*	
		For Work In Restricted Working Space, Add	*390.94*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,809.76	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*382.99*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,915.56	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*414.73*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,007.47	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*442.31*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,362.69	1,015.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*548.87*	
		For Work In Restricted Working Space, Add	*456.96*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,215.08	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*484.60*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,215.08	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*484.60*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,267.85	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*500.43*	
		For Work In Restricted Working Space, Add	*514.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,443.06	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*552.99*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,168.70	1,143.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*770.68*	
		For Work In Restricted Working Space, Add	*514.08*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,506.26	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*546.25*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,641.49	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*586.82*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,698.14	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*603.81*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,852.24	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*650.04*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,623.22	1,306.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,181.33*	
		For Work In Restricted Working Space, Add	*587.52*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,151.32	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*713.23*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,151.32	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*713.23*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,189.92	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.81*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,418.45	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*793.37*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,816.07	1,474.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*912.66*	
		For Work In Restricted Working Space, Add	*663.33*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,348.31	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*764.59*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,372.46	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*771.83*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,419.67	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*786.00*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,512.61	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,113.88*	
		For Work In Restricted Working Space, Add	*685.44*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,728.37	1,524.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,178.61*	
		For Work In Restricted Working Space, Add	*685.44*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	65.05	35.83
		For Schedule 80 Fittings, Add	*12.81*	
		For Work In Restricted Working Space, Add	*16.10*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	71.12	39.38
		For Schedule 80 Fittings, Add	*13.96*	
		For Work In Restricted Working Space, Add	*17.70*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	73.98	40.77
		For Schedule 80 Fittings, Add	*14.55*	
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	91.81	52.25
		For Schedule 80 Fittings, Add	*17.75*	
		For Work In Restricted Working Space, Add	*23.50*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	108.53	62.99
		For Schedule 80 Fittings, Add	*20.76*	
		For Work In Restricted Working Space, Add	*28.33*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	127.45	72.64
		For Schedule 80 Fittings, Add	*24.62*	
		For Work In Restricted Working Space, Add	*32.68*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	212.89	125.53
		For Schedule 80 Fittings, Add	*40.34*	
		For Work In Restricted Working Space, Add	*56.47*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	357.81	207.40
		For Schedule 80 Fittings, Add	*68.47*	
		For Work In Restricted Working Space, Add	*93.30*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	506.14	290.77
		For Schedule 80 Fittings, Add	*97.36*	
		For Work In Restricted Working Space, Add	*130.77*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	673.51	367.06
		For Schedule 80 Fittings, Add	*133.27*	
		For Work In Restricted Working Space, Add	*165.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	791.74	425.29
		For Schedule 80 Fittings, Add	*157.82*	
		For Work In Restricted Working Space, Add	*191.29*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,051.31	507.97
		For Schedule 80 Fittings, Add	*220.19*	
		For Work In Restricted Working Space, Add	*228.48*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,220.96	589.90
		For Schedule 80 Fittings, Add	*255.73*	
		For Work In Restricted Working Space, Add	*265.33*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,366.24	653.17
		For Schedule 80 Fittings, Add	*287.47*	
		For Work In Restricted Working Space, Add	*293.76*	

23 21 13 23-0637 150 LB, Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0638	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	159.89	80.90
		For 300 LB Rating, Add	*39.76*	
		For Work In Restricted Working Space, Add	*36.39*	
23 21 13 23-0639	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	189.96	100.96
		For 300 LB Rating, Add	*42.91*	
		For Work In Restricted Working Space, Add	*45.41*	
23 21 13 23-0640	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange	211.70	115.45
		For 300 LB Rating, Add	*45.22*	
		For Work In Restricted Working Space, Add	*51.92*	
23 21 13 23-0641	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange	277.53	152.26
		For 300 LB Rating, Add	*58.44*	
		For Work In Restricted Working Space, Add	*68.49*	
23 21 13 23-0642	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange	421.88	230.90
		For 300 LB Rating, Add	*89.37*	
		For Work In Restricted Working Space, Add	*103.84*	
23 21 13 23-0643	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange	489.15	247.18
		For 300 LB Rating, Add	*121.95*	
		For Work In Restricted Working Space, Add	*111.15*	
23 21 13 23-0644	EA	10" , 150 LB, Welded Plain End Black Steel Neck Flange	638.05	309.93
		For 300 LB Rating, Add	*170.13*	
		For Work In Restricted Working Space, Add	*139.41*	
23 21 13 23-0645	EA	12" , 150 LB, Welded Plain End Black Steel Neck Flange	780.01	351.68
		For 300 LB Rating, Add	*232.29*	
		For Work In Restricted Working Space, Add	*158.18*	
23 21 13 23-0646	EA	14" , 150 LB, Welded Plain End Black Steel Neck Flange	1,021.32	425.29
		For 300 LB Rating, Add	*335.54*	
		For Work In Restricted Working Space, Add	*191.29*	
23 21 13 23-0647	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange	1,340.49	494.25
		For 300 LB Rating, Add	*497.44*	
		For Work In Restricted Working Space, Add	*222.30*	
23 21 13 23-0648	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange	1,663.08	554.15
		For 300 LB Rating, Add	*669.81*	
		For Work In Restricted Working Space, Add	*249.25*	
23 21 13 23-0649	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange	2,108.59	703.37
		For 300 LB Rating, Add	*848.57*	
		For Work In Restricted Working Space, Add	*316.36*	
23 21 13 23-0650	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange	2,394.08	762.00
		For 300 LB Rating, Add	*996.13*	
		For Work In Restricted Working Space, Add	*342.72*	

23 21 13 23-0651 150 LB, Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	123.14	80.90
		For 300 LB Rating, Add	*34.05*	
		For Work In Restricted Working Space, Add	*28.97*	
23 21 13 23-0653	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	152.15	100.96
		For 300 LB Rating, Add	*43.10*	
		For Work In Restricted Working Space, Add	*35.41*	
23 21 13 23-0654	EA	3", 150 LB, Welded Black Steel Slip-On Flange	179.65	115.45
		For 300 LB Rating, Add	*50.79*	
		For Work In Restricted Working Space, Add	*41.85*	
23 21 13 23-0655	EA	4", 150 LB, Welded Black Steel Slip-On Flange	237.19	152.26
		For 300 LB Rating, Add	*68.46*	
		For Work In Restricted Working Space, Add	*54.72*	
23 21 13 23-0656	EA	6", 150 LB, Welded Black Steel Slip-On Flange	352.56	230.90
		For 300 LB Rating, Add	*104.05*	
		For Work In Restricted Working Space, Add	*80.47*	
23 21 13 23-0657	EA	8", 150 LB, Welded Black Steel Slip-On Flange	465.73	247.18
		For 300 LB Rating, Add	*150.88*	
		For Work In Restricted Working Space, Add	*101.24*	
23 21 13 23-0658	EA	10", 150 LB, Welded Black Steel Slip-On Flange	643.26	309.93
		For 300 LB Rating, Add	*243.60*	
		For Work In Restricted Working Space, Add	*126.54*	
23 21 13 23-0659	EA	12", 150 LB, Welded Black Steel Slip-On Flange	855.57	351.68
		For 300 LB Rating, Add	*367.61*	
		For Work In Restricted Working Space, Add	*151.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0660	EA	14", 150 LB, Welded Black Steel Slip-On Flange	1,101.01	425.29
		For 300 LB Rating, Add	*521.44*	
		For Work In Restricted Working Space, Add	*177.16*	
23 21 13 23-0661	EA	16", 150 LB, Welded Black Steel Slip-On Flange	1,341.12	494.25
		For 300 LB Rating, Add	*687.24*	
		For Work In Restricted Working Space, Add	*196.14*	
23 21 13 23-0662	EA	18", 150 LB, Welded Black Steel Slip-On Flange	1,487.72	554.15
		For 300 LB Rating, Add	*768.88*	
		For Work In Restricted Working Space, Add	*215.12*	
23 21 13 23-0663	EA	20", 150 LB, Welded Black Steel Slip-On Flange	1,656.31	703.37
		For 300 LB Rating, Add	*870.30*	
		For Work In Restricted Working Space, Add	*234.11*	
23 21 13 23-0664	EA	24", 150 LB, Welded Black Steel Slip-On Flange	1,891.11	762.00
		For 300 LB Rating, Add	*981.02*	
		For Work In Restricted Working Space, Add	*272.07*	
23 21 13 23-0665		150 LB, Forged Steel Blind Flanges *(23 21 13 23-0393)*		
23 21 13 23-0666	EA	2", 150 LB, Forged Steel Blind Flange	79.21	28.72
		For 300 LB Rating, Add	*23.45*	
		For 600 LB Rating, Add	*60.89*	
		For Work In Restricted Working Space, Add	*17.23*	
23 21 13 23-0667	EA	2-1/2", 150 LB, Forged Steel Blind Flange	104.24	34.46
		For 300 LB Rating, Add	*35.49*	
		For 600 LB Rating, Add	*95.11*	
		For Work In Restricted Working Space, Add	*20.68*	
23 21 13 23-0668	EA	3", 150 LB, Forged Steel Blind Flange	128.43	45.95
		For 300 LB Rating, Add	*38.88*	
		For 600 LB Rating, Add	*101.48*	
		For Work In Restricted Working Space, Add	*27.57*	
23 21 13 23-0669	EA	4", 150 LB, Forged Steel Blind Flange	165.23	57.43
		For 300 LB Rating, Add	*52.35*	
		For 600 LB Rating, Add	*138.09*	
		For Work In Restricted Working Space, Add	*34.46*	
23 21 13 23-0670	EA	6", 150 LB, Forged Steel Blind Flange	225.64	74.67
		For 300 LB Rating, Add	*76.73*	
		For 600 LB Rating, Add	*205.57*	
		For Work In Restricted Working Space, Add	*44.80*	
23 21 13 23-0671	EA	8", 150 LB, Forged Steel Blind Flange	293.36	86.15
		For 300 LB Rating, Add	*114.94*	
		For 600 LB Rating, Add	*316.39*	
		For Work In Restricted Working Space, Add	*51.69*	
23 21 13 23-0672	EA	10", 150 LB, Forged Steel Blind Flange	443.16	103.37
		For 300 LB Rating, Add	*210.83*	
		For 600 LB Rating, Add	*598.37*	
		For Work In Restricted Working Space, Add	*62.03*	
23 21 13 23-0673	EA	12", 150 LB, Forged Steel Blind Flange	575.82	120.61
		For 300 LB Rating, Add	*293.01*	
		For 600 LB Rating, Add	*839.22*	
		For Work In Restricted Working Space, Add	*72.37*	
23 21 13 23-0674	EA	14", 150 LB, Forged Steel Blind Flange	964.58	137.84
		For 300 LB Rating, Add	*580.07*	
		For Work In Restricted Working Space, Add	*82.70*	
23 21 13 23-0675	EA	16", 150 LB, Forged Steel Blind Flange	1,036.29	155.07
		For 300 LB Rating, Add	*613.49*	
		For Work In Restricted Working Space, Add	*93.04*	
23 21 13 23-0676	EA	18", 150 LB, Forged Steel Blind Flange	1,167.76	189.52
		For 300 LB Rating, Add	*670.76*	
		For Work In Restricted Working Space, Add	*113.72*	
23 21 13 23-0677	EA	20", 150 LB, Forged Steel Blind Flange	1,493.39	206.76
		For 300 LB Rating, Add	*907.32*	
		For Work In Restricted Working Space, Add	*124.06*	
23 21 13 23-0678	EA	24", 150 LB, Forged Steel Blind Flange	2,028.45	241.22
		For 300 LB Rating, Add	*1,287.47*	
		For Work In Restricted Working Space, Add	*144.73*	
23 21 13 23-0679		3,000 LB, Forge Steel Thread-O-Lets *(23 21 13 23-0393)*		
23 21 13 23-0680	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let	74.51	
		For Work In Restricted Working Space, Add	*20.28*	
23 21 13 23-0681	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let	78.93	
		For Work In Restricted Working Space, Add	*21.25*	
23 21 13 23-0682	EA	1", 3,000 LB, Forge Steel Thread-O-Let	84.21	
		For Work In Restricted Working Space, Add	*22.53*	
23 21 13 23-0683	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let	93.37	
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0684	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let	104.75	
		For Work In Restricted Working Space, Add	*27.36*	
23 21 13 23-0685	EA	2", 3,000 LB, Forge Steel Thread-O-Let	135.34	
		For Work In Restricted Working Space, Add	*35.76*	
23 21 13 23-0686	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	211.83	
		For Work In Restricted Working Space, Add	*45.98*	
23 21 13 23-0687	EA	3", 3,000 LB, Forge Steel Thread-O-Let	292.05	
		For Work In Restricted Working Space, Add	*64.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0688	EA	4", 3,000 LB, Forge Steel Thread-O-Let	389.28	
		For Work In Restricted Working Space, Add	*80.47*	

23 21 13 23-0689 3,000 LB, Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 LB, Forge Steel Weld-O-Let	95.27	
		For Work In Restricted Working Space, Add	*23.40*	
23 21 13 23-0691	EA	3/4", 3,000 LB, Forge Steel Weld-O-Let	102.04	
		For Work In Restricted Working Space, Add	*24.53*	
23 21 13 23-0692	EA	1", 3,000 LB, Forge Steel Weld-O-Let	108.57	
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-0693	EA	1-1/4", 3,000 LB, Forge Steel Weld-O-Let	127.63	
		For Work In Restricted Working Space, Add	*28.61*	
23 21 13 23-0694	EA	1-1/2", 3,000 LB, Forge Steel Weld-O-Let	141.15	
		For Work In Restricted Working Space, Add	*32.19*	
23 21 13 23-0695	EA	2", 3,000 LB, Forge Steel Weld-O-Let	188.70	
		For Work In Restricted Working Space, Add	*42.91*	
23 21 13 23-0696	EA	2-1/2", 3,000 LB, Forge Steel Weld-O-Let	317.99	
		For Work In Restricted Working Space, Add	*51.50*	
23 21 13 23-0697	EA	3", 3,000 LB, Forge Steel Weld-O-Let	418.89	
		For Work In Restricted Working Space, Add	*67.60*	
23 21 13 23-0698	EA	4", 3,000 LB, Forge Steel Weld-O-Let	588.69	
		For Work In Restricted Working Space, Add	*85.85*	
23 21 13 23-0699	EA	6", 3,000 LB, Forge Steel Weld-O-Let	830.46	
		For Work In Restricted Working Space, Add	*128.75*	
23 21 13 23-0700	EA	8", 3,000 LB, Forge Steel Weld-O-Let	1,331.50	
		For Work In Restricted Working Space, Add	*171.66*	
23 21 13 23-0701	EA	10", 3,000 LB, Forge Steel Weld-O-Let	1,739.84	
		For Work In Restricted Working Space, Add	*198.09*	
23 21 13 23-0702	EA	12", 3,000 LB, Forge Steel Weld-O-Let	2,830.85	
		For Work In Restricted Working Space, Add	*234.11*	

23 21 13 23-0703 3,000 LB, Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 LB, Forge Steel Sock-O-Let	109.71	
		For Work In Restricted Working Space, Add	*27.97*	
23 21 13 23-0705	EA	3/4", 3,000 LB, Forge Steel Sock-O-Let	117.08	
		For Work In Restricted Working Space, Add	*29.32*	
23 21 13 23-0706	EA	1", 3,000 LB, Forge Steel Sock-O-Let	125.32	
		For Work In Restricted Working Space, Add	*31.09*	
23 21 13 23-0707	EA	1-1/4", 3,000 LB, Forge Steel Sock-O-Let	141.81	
		For Work In Restricted Working Space, Add	*33.32*	
23 21 13 23-0708	EA	1-1/2", 3,000 LB, Forge Steel Sock-O-Let	158.14	
		For Work In Restricted Working Space, Add	*37.76*	
23 21 13 23-0709	EA	2", 3,000 LB, Forge Steel Sock-O-Let	204.79	
		For Work In Restricted Working Space, Add	*49.34*	
23 21 13 23-0710	EA	2-1/2", 3,000 LB, Forge Steel Sock-O-Let	350.98	
		For Work In Restricted Working Space, Add	*63.44*	
23 21 13 23-0711	EA	3", 3,000 LB, Forge Steel Sock-O-Let	480.70	
		For Work In Restricted Working Space, Add	*88.84*	
23 21 13 23-0712	EA	4", 3,000 LB, Forge Steel Sock-O-Let	658.61	
		For Work In Restricted Working Space, Add	*111.05*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	16.02	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.49*	
		For Hot Dip Galvanized, Add	*6.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.21*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.33	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.69*	
		For Hot Dip Galvanized, Add	*8.13*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.23*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.56	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.76*	
		For Hot Dip Galvanized, Add	*8.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.39*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.66	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.78*	
		For Hot Dip Galvanized, Add	*8.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.46*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	47.10	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*13.19*	
		For Hot Dip Galvanized, Add	*18.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*32.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	65.90	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*18.45*	
		For Hot Dip Galvanized, Add	*26.36*	
		For Advanced Fluoropolymer (Blue Coating), Add	*46.13*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	72.76	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*20.37*	
		For Hot Dip Galvanized, Add	*29.10*	
		For Advanced Fluoropolymer (Blue Coating), Add	*50.93*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	80.12	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*22.43*	
		For Hot Dip Galvanized, Add	*32.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*56.08*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	175.76	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*49.21*	
		For Hot Dip Galvanized, Add	*70.30*	
		For Advanced Fluoropolymer (Blue Coating), Add	*123.03*	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	180.05	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*50.41*	
		For Hot Dip Galvanized, Add	*72.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*126.04*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	202.04	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*56.57*	
		For Hot Dip Galvanized, Add	*80.82*	
		For Advanced Fluoropolymer (Blue Coating), Add	*141.43*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	333.63	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*93.42*	
		For Hot Dip Galvanized, Add	*133.45*	
		For Advanced Fluoropolymer (Blue Coating), Add	*233.54*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	479.23	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*134.18*	
		For Hot Dip Galvanized, Add	*191.69*	
		For Advanced Fluoropolymer (Blue Coating), Add	*335.46*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	605.66	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*169.58*	
		For Hot Dip Galvanized, Add	*242.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*423.96*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	861.48	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*241.21*	
		For Hot Dip Galvanized, Add	*344.59*	
		For Advanced Fluoropolymer (Blue Coating), Add	*603.04*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,359.33	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*380.61*	
		For Hot Dip Galvanized, Add	*543.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*951.53*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,912.06	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*535.38*	
		For Hot Dip Galvanized, Add	*764.82*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,338.44*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	25.72	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*7.20*	
		For Hot Dip Galvanized, Add	*10.29*	
		For Advanced Fluoropolymer (Blue Coating), Add	*18.00*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	47.13	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*13.20*	
		For Hot Dip Galvanized, Add	*18.85*	
		For Advanced Fluoropolymer (Blue Coating), Add	*32.99*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	73.32	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*20.53*	
		For Hot Dip Galvanized, Add	*29.33*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.32*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	79.66	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*22.30*	
		For Hot Dip Galvanized, Add	*31.86*	
		For Advanced Fluoropolymer (Blue Coating), Add	*55.76*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	84.23	
		For Zinc Plated, Add	*23.58*	
		For Hot Dip Galvanized, Add	*33.69*	
		For Advanced Fluoropolymer (Blue Coating), Add	*58.96*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	93.05	
		For Zinc Plated, Add	*26.05*	
		For Hot Dip Galvanized, Add	*37.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*65.14*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	131.40	
		For Zinc Plated, Add	*36.79*	
		For Hot Dip Galvanized, Add	*52.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*91.98*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	203.07	
		For Zinc Plated, Add	*56.86*	
		For Hot Dip Galvanized, Add	*81.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*142.15*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	366.90	
		For Zinc Plated, Add	*102.73*	
		For Hot Dip Galvanized, Add	*146.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*256.83*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	526.84	
		For Zinc Plated, Add	*147.52*	
		For Hot Dip Galvanized, Add	*210.74*	
		For Advanced Fluoropolymer (Blue Coating), Add	*368.79*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	719.35	
		For Zinc Plated, Add	*201.42*	
		For Hot Dip Galvanized, Add	*287.74*	
		For Advanced Fluoropolymer (Blue Coating), Add	*503.55*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	989.94	
		For Zinc Plated, Add	*277.18*	
		For Hot Dip Galvanized, Add	*395.98*	
		For Advanced Fluoropolymer (Blue Coating), Add	*692.96*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,273.18	
		For Zinc Plated, Add	*356.49*	
		For Hot Dip Galvanized, Add	*509.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*891.23*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,352.93	
		For Zinc Plated, Add	*378.82*	
		For Hot Dip Galvanized, Add	*541.17*	
		For Advanced Fluoropolymer (Blue Coating), Add	*947.05*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,718.88	
		For Zinc Plated, Add	*481.29*	
		For Hot Dip Galvanized, Add	*687.55*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,203.22*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,707.62	
		For Zinc Plated, Add	*758.13*	
		For Hot Dip Galvanized, Add	*1,083.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,895.33*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	4,002.82	
		For Zinc Plated, Add	*1,120.79*	
		For Hot Dip Galvanized, Add	*1,601.13*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,801.97*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.02	
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.99	
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	58.10	
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	58.20	
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	123.96	
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	156.12	
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	177.62	
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	179.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	459.97	
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	462.79	
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	698.96	
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	930.73	
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	2,410.01	
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,793.09	
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	3,225.46	

23 21 13 23-0765 150 LB, Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.

23 21 13 23-0766	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	32.35	
		For 300 LB Rating Gasket Set, Add	*0.21*	
		For Work In Restricted Working Space, Add	*9.52*	
23 21 13 23-0767	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	34.66	
		For 300 LB Rating Gasket Set, Add	*0.28*	
		For Work In Restricted Working Space, Add	*10.16*	
23 21 13 23-0768	EA	1", 150 LB, Rubber Flange Gasket Replacement	38.44	
		For 300 LB Rating Gasket Set, Add	*0.50*	
		For Work In Restricted Working Space, Add	*11.11*	
23 21 13 23-0769	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	41.82	
		For 300 LB Rating Gasket Set, Add	*0.57*	
		For Work In Restricted Working Space, Add	*12.06*	
23 21 13 23-0770	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	46.46	
		For 300 LB Rating Gasket Set, Add	*0.71*	
		For Work In Restricted Working Space, Add	*13.33*	
23 21 13 23-0771	EA	2", 150 LB, Rubber Flange Gasket Replacement	51.51	
		For 300 LB Rating Gasket Set, Add	*0.99*	
		For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-0772	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	60.97	
		For 300 LB Rating Gasket Set, Add	*1.35*	
		For Work In Restricted Working Space, Add	*17.14*	
23 21 13 23-0773	EA	3", 150 LB, Rubber Flange Gasket Replacement	64.76	
		For 300 LB Rating Gasket Set, Add	*1.56*	
		For Work In Restricted Working Space, Add	*18.09*	
23 21 13 23-0774	EA	4", 150 LB, Rubber Flange Gasket Replacement	86.65	
		For 300 LB Rating Gasket Set, Add	*2.56*	
		For Work In Restricted Working Space, Add	*23.81*	
23 21 13 23-0775	EA	5", 150 LB, Rubber Flange Gasket Replacement	100.15	
		For 300 LB Rating Gasket Set, Add	*2.84*	
		For Work In Restricted Working Space, Add	*27.61*	
23 21 13 23-0776	EA	6", 150 LB, Rubber Flange Gasket Replacement	115.28	
		For 300 LB Rating Gasket Set, Add	*3.69*	
		For Work In Restricted Working Space, Add	*31.42*	
23 21 13 23-0777	EA	8", 150 LB, Rubber Flange Gasket Replacement	142.36	
		For 300 LB Rating Gasket Set, Add	*5.39*	
		For Work In Restricted Working Space, Add	*38.09*	
23 21 13 23-0778	EA	10", 150 LB, Rubber Flange Gasket Replacement	157.30	
		For 300 LB Rating Gasket Set, Add	*7.66*	
		For Work In Restricted Working Space, Add	*40.62*	
23 21 13 23-0779	EA	12", 150 LB, Rubber Flange Gasket Replacement	181.36	
		For 300 LB Rating Gasket Set, Add	*9.79*	
		For Work In Restricted Working Space, Add	*46.02*	
23 21 13 23-0780	EA	14", 150 LB, Rubber Flange Gasket Replacement	192.14	
		For 300 LB Rating Gasket Set, Add	*11.70*	
		For Work In Restricted Working Space, Add	*47.61*	
23 21 13 23-0781	EA	16", 150 LB, Rubber Flange Gasket Replacement	248.88	
		For 300 LB Rating Gasket Set, Add	*13.05*	
		For Work In Restricted Working Space, Add	*63.48*	
23 21 13 23-0782	EA	18", 150 LB, Rubber Flange Gasket Replacement	270.59	
		For 300 LB Rating Gasket Set, Add	*13.62*	
		For Work In Restricted Working Space, Add	*69.50*	
23 21 13 23-0783	EA	20", 150 LB, Rubber Flange Gasket Replacement	324.18	
		For 300 LB Rating Gasket Set, Add	*14.61*	
		For Work In Restricted Working Space, Add	*84.73*	

23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0785	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	22.97	
		For Work In Restricted Working Space, Add	*6.89*	
23 21 13 23-0786	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.80	
		For Work In Restricted Working Space, Add	*7.44*	
23 21 13 23-0787	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.90	
		For Work In Restricted Working Space, Add	*8.37*	
23 21 13 23-0788	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.28	
		For Work In Restricted Working Space, Add	*8.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0789	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.99	
		For Work In Restricted Working Space, Add	*9.30*	
23 21 13 23-0790	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.29	
		For Work In Restricted Working Space, Add	*9.99*	
23 21 13 23-0791	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.60	
		For Work In Restricted Working Space, Add	*10.68*	
23 21 13 23-0792	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	39.04	
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-0793	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	42.48	
		For Work In Restricted Working Space, Add	*12.74*	
23 21 13 23-0794	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.93	
		For Work In Restricted Working Space, Add	*13.78*	
23 21 13 23-0795	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.37	
		For Work In Restricted Working Space, Add	*14.81*	
23 21 13 23-0796	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	53.96	
		For Work In Restricted Working Space, Add	*16.19*	
23 21 13 23-0797	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	58.56	
		For Work In Restricted Working Space, Add	*17.57*	
23 21 13 23-0798	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	63.15	
		For Work In Restricted Working Space, Add	*18.95*	
23 21 13 23-0799	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	67.74	
		For Work In Restricted Working Space, Add	*20.32*	
23 21 13 23-0800	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	71.19	
		For Work In Restricted Working Space, Add	*21.36*	
23 21 13 23-0801	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	74.63	
		For Work In Restricted Working Space, Add	*22.39*	
23 21 13 23-0802	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	79.23	
		For Work In Restricted Working Space, Add	*23.77*	

23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0804	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	32.67	11.80
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-0805	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	39.82	12.87
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-0806	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	44.22	12.66
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-0807	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	54.66	16.09
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0808	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	94.85	23.82
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-0809	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	126.73	28.79
		For Work In Restricted Working Space, Add	*12.97*	
23 21 13 23-0810	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	177.83	35.85
		For Work In Restricted Working Space, Add	*16.14*	
23 21 13 23-0811	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	216.52	43.24
		For Work In Restricted Working Space, Add	*19.44*	
23 21 13 23-0812	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	274.49	56.10
		For Work In Restricted Working Space, Add	*25.24*	

23 21 13 23-0813 150 LB, Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0814	EA	1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	35.84
		For 300 Lb., Add	*0.31*
		For Work In Restricted Working Space, Add	*9.52*
23 21 13 23-0815	EA	3/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	38.01
		For 300 Lb., Add	*0.31*
		For Work In Restricted Working Space, Add	*10.16*
23 21 13 23-0816	EA	1", 150 LB, Spiral Wound Metal Flange Gasket Replacement	41.22
		For 300 Lb., Add	*0.32*
		For Work In Restricted Working Space, Add	*11.11*
23 21 13 23-0817	EA	1-1/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	45.04
		For 300 Lb., Add	*0.36*
		For Work In Restricted Working Space, Add	*12.06*
23 21 13 23-0818	EA	1-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	49.37
		For 300 Lb., Add	*0.37*
		For Work In Restricted Working Space, Add	*13.33*
23 21 13 23-0819	EA	2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	53.84
		For 300 Lb., Add	*0.39*
		For Work In Restricted Working Space, Add	*14.60*
23 21 13 23-0820	EA	2-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	62.74
		For 300 Lb., Add	*0.42*
		For Work In Restricted Working Space, Add	*17.14*
23 21 13 23-0821	EA	3", 150 LB, Spiral Wound Metal Flange Gasket Replacement	66.37
		For 300 Lb., Add	*0.46*
		For Work In Restricted Working Space, Add	*18.09*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0822		EA	4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	87.11	
			For 300 Lb., Add	*0.58*	
			For Work In Restricted Working Space, Add	*23.81*	
23 21 13 23-0823		EA	5", 150 LB, Spiral Wound Metal Flange Gasket Replacement	101.61	
			For 300 Lb., Add	*0.72*	
			For Work In Restricted Working Space, Add	*27.61*	
23 21 13 23-0824		EA	6", 150 LB, Spiral Wound Metal Flange Gasket Replacement	115.38	
			For 300 Lb., Add	*0.80*	
			For Work In Restricted Working Space, Add	*31.42*	
23 21 13 23-0825		EA	8", 150 LB, Spiral Wound Metal Flange Gasket Replacement	139.67	
			For 300 Lb., Add	*0.95*	
			For Work In Restricted Working Space, Add	*38.09*	
23 21 13 23-0826		EA	10", 150 LB, Spiral Wound Metal Flange Gasket Replacement	152.93	
			For 300 Lb., Add	*1.31*	
			For Work In Restricted Working Space, Add	*40.63*	
23 21 13 23-0827		EA	12", 150 LB, Spiral Wound Metal Flange Gasket Replacement	179.79	
			For 300 Lb., Add	*1.98*	
			For Work In Restricted Working Space, Add	*46.02*	

23 21 13 23-0828 150 LB, Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

23 21 13 23-0829		EA	1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	32.56	
			For Work In Restricted Working Space, Add	*9.52*	
23 21 13 23-0830		EA	3/4", 150 LB, Flexible Graphite Flange Gasket Replacement	35.21	
			For Work In Restricted Working Space, Add	*10.16*	
23 21 13 23-0831		EA	1", 150 LB, Flexible Graphite Flange Gasket Replacement	38.58	
			For Work In Restricted Working Space, Add	*11.11*	
23 21 13 23-0832		EA	1-1/4", 150 LB, Flexible Graphite Flange Gasket Replacement	42.42	
			For Work In Restricted Working Space, Add	*12.06*	
23 21 13 23-0833		EA	1-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	46.80	
			For Work In Restricted Working Space, Add	*13.33*	
23 21 13 23-0834		EA	2", 150 LB, Flexible Graphite Flange Gasket Replacement	51.78	
			For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-0835		EA	2-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	61.32	
			For Work In Restricted Working Space, Add	*17.14*	
23 21 13 23-0836		EA	3", 150 LB, Flexible Graphite Flange Gasket Replacement	64.72	
			For Work In Restricted Working Space, Add	*18.09*	
23 21 13 23-0837		EA	4", 150 LB, Flexible Graphite Flange Gasket Replacement	86.51	
			For Work In Restricted Working Space, Add	*23.81*	
23 21 13 23-0838		EA	5", 150 LB, Flexible Graphite Flange Gasket Replacement	100.56	
			For Work In Restricted Working Space, Add	*27.61*	
23 21 13 23-0839		EA	6", 150 LB, Flexible Graphite Flange Gasket Replacement	114.25	
			For Work In Restricted Working Space, Add	*31.42*	
23 21 13 23-0840		EA	8", 150 LB, Flexible Graphite Flange Gasket Replacement	142.96	
			For Work In Restricted Working Space, Add	*38.09*	
23 21 13 23-0841		EA	10", 150 LB, Flexible Graphite Flange Gasket Replacement	158.63	
			For Work In Restricted Working Space, Add	*40.63*	
23 21 13 23-0842		EA	12", 150 LB, Flexible Graphite Flange Gasket Replacement	182.12	
			For Work In Restricted Working Space, Add	*46.02*	

23 21 13 23-0843 150 LB, Teflon, Spiral Wound, Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.

23 21 13 23-0844		EA	1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	52.05	
			For Work In Restricted Working Space, Add	*9.52*	
23 21 13 23-0845		EA	3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	55.55	
			For Work In Restricted Working Space, Add	*10.16*	
23 21 13 23-0846		EA	1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	60.13	
			For Work In Restricted Working Space, Add	*11.11*	
23 21 13 23-0847		EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement	68.19	
			For Work In Restricted Working Space, Add	*12.06*	
23 21 13 23-0848		EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement	73.35	
			For Work In Restricted Working Space, Add	*13.33*	
23 21 13 23-0849		EA	2", Teflon, Spiral Wound, Flange Gasket Replacement	80.00	
			For Work In Restricted Working Space, Add	*14.60*	
23 21 13 23-0850		EA	2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	92.93	
			For Work In Restricted Working Space, Add	*17.14*	
23 21 13 23-0851		EA	3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	105.74	
			For Work In Restricted Working Space, Add	*18.09*	
23 21 13 23-0852		EA	4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	133.46	
			For Work In Restricted Working Space, Add	*23.81*	
23 21 13 23-0853		EA	5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	159.43	
			For Work In Restricted Working Space, Add	*27.61*	
23 21 13 23-0854		EA	6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	209.20	
			For Work In Restricted Working Space, Add	*31.42*	
23 21 13 23-0855		EA	8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	230.13	
			For Work In Restricted Working Space, Add	*38.09*	
23 21 13 23-0856		EA	10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	262.33	
			For Work In Restricted Working Space, Add	*40.63*	
23 21 13 23-0857		EA	12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	345.08	
			For Work In Restricted Working Space, Add	*46.02*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0858		Flanged Steel Fittings *(23 21 13 23)*			
		See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.			
23 21 13 23-0859		Flanged Steel Fittings, Standard Weight *(23 21 13 23-0858)*			
		Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.			
23 21 13 23-0860		Flanged Steel, 90 Degree Elbows *(23 21 13 23-0859)*			
23 21 13 23-0861	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow		352.10	49.37
		For Galvanized Fittings, Add		*222.46*	
		For Extra Heavy Weight Fittings, Add		*333.70*	
23 21 13 23-0862	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow		392.69	54.99
		For Galvanized Fittings, Add		*248.18*	
		For Extra Heavy Weight Fittings, Add		*372.26*	
23 21 13 23-0863	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow		392.77	60.69
		For Galvanized Fittings, Add		*241.47*	
		For Extra Heavy Weight Fittings, Add		*362.21*	
23 21 13 23-0864	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow		495.61	70.52
		For Galvanized Fittings, Add		*311.90*	
		For Extra Heavy Weight Fittings, Add		*467.86*	
23 21 13 23-0865	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow		684.37	78.98
		For Galvanized Fittings, Add		*452.76*	
		For Extra Heavy Weight Fittings, Add		*679.14*	
23 21 13 23-0866	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow		727.16	91.67
		For Galvanized Fittings, Add		*471.77*	
		For Extra Heavy Weight Fittings, Add		*707.65*	
23 21 13 23-0867	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow		916.20	101.50
		For Galvanized Fittings, Add		*611.16*	
		For Extra Heavy Weight Fittings, Add		*916.74*	
23 21 13 23-0868		Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0859)*			
23 21 13 23-0869	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow		640.00	52.24
		For Galvanized Fittings, Add		*449.41*	
		For Extra Heavy Weight Fittings, Add		*674.11*	
23 21 13 23-0870	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow		668.02	57.84
		For Galvanized Fittings, Add		*465.06*	
		For Extra Heavy Weight Fittings, Add		*697.58*	
23 21 13 23-0871	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow		829.17	65.55
		For Galvanized Fittings, Add		*584.67*	
		For Extra Heavy Weight Fittings, Add		*877.01*	
23 21 13 23-0872	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow		1,021.37	69.79
		For Galvanized Fittings, Add		*733.36*	
		For Extra Heavy Weight Fittings, Add		*1,100.04*	
23 21 13 23-0873	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow		1,164.07	81.10
		For Galvanized Fittings, Add		*833.98*	
		For Extra Heavy Weight Fittings, Add		*1,250.96*	
23 21 13 23-0874	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow		1,616.33	96.64
		For Galvanized Fittings, Add		*1,177.18*	
		For Extra Heavy Weight Fittings, Add		*1,765.76*	
23 21 13 23-0875		Flanged Steel, 45 Degree Elbows *(23 21 13 23-0859)*			
23 21 13 23-0876	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow		452.72	49.37
		For Galvanized Fittings, Add		*302.96*	
		For Extra Heavy Weight Fittings, Add		*454.44*	
23 21 13 23-0877	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow		473.74	54.99
		For Galvanized Fittings, Add		*313.02*	
		For Extra Heavy Weight Fittings, Add		*469.52*	
23 21 13 23-0878	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow		493.38	60.69
		For Galvanized Fittings, Add		*321.96*	
		For Extra Heavy Weight Fittings, Add		*482.94*	
23 21 13 23-0879	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow		612.99	70.52
		For Galvanized Fittings, Add		*405.81*	
		For Extra Heavy Weight Fittings, Add		*608.71*	
23 21 13 23-0880	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow		874.42	78.98
		For Galvanized Fittings, Add		*604.80*	
		For Extra Heavy Weight Fittings, Add		*907.20*	
23 21 13 23-0881	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow		858.51	91.67
		For Galvanized Fittings, Add		*576.85*	
		For Extra Heavy Weight Fittings, Add		*865.27*	
23 21 13 23-0882	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow		1,009.75	101.50
		For Galvanized Fittings, Add		*686.00*	
		For Extra Heavy Weight Fittings, Add		*1,029.00*	
23 21 13 23-0883		Flanged Steel, Tees *(23 21 13 23-0859)*			
23 21 13 23-0884	EA	2" Standard Weight, Flanged Steel, Tee		456.18	74.02
		For Galvanized Fittings, Add		*276.13*	
		For Extra Heavy Weight Fittings, Add		*414.19*	
23 21 13 23-0885	EA	2-1/2" Standard Weight, Flanged Steel, Tee		583.45	82.47
		For Galvanized Fittings, Add		*367.80*	
		For Extra Heavy Weight Fittings, Add		*551.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0886	EA	3" Standard Weight, Flanged Steel, Tee	538.86	90.93
		For Galvanized Fittings, Add	*321.97*	
		For Extra Heavy Weight Fittings, Add	*482.95*	
23 21 13 23-0887	EA	4" Standard Weight, Flanged Steel, Tee	759.47	105.84
		For Galvanized Fittings, Add	*480.70*	
		For Extra Heavy Weight Fittings, Add	*721.04*	
23 21 13 23-0888	EA	5" Standard Weight, Flanged Steel, Tee	1,111.62	118.52
		For Galvanized Fittings, Add	*747.19*	
		For Extra Heavy Weight Fittings, Add	*1,120.79*	
23 21 13 23-0889	EA	6" Standard Weight, Flanged Steel, Tee	1,353.63	137.56
		For Galvanized Fittings, Add	*917.97*	
		For Extra Heavy Weight Fittings, Add	*1,376.95*	
23 21 13 23-0890	EA	8" Standard Weight, Flanged Steel, Tee	1,501.81	159.34
		For Galvanized Fittings, Add	*1,010.29*	
		For Extra Heavy Weight Fittings, Add	*1,515.43*	
23 21 13 23-0891		**Flanged Steel, Reducing Tees** *(23 21 13 23-0859)*		
23 21 13 23-0892	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	705.00	79.72
		For Galvanized Fittings, Add	*468.42*	
		For Extra Heavy Weight Fittings, Add	*702.62*	
23 21 13 23-0893	EA	3" Standard Weight, Flanged Steel, Reducing Tee	812.71	88.18
		For Galvanized Fittings, Add	*544.43*	
		For Extra Heavy Weight Fittings, Add	*816.65*	
23 21 13 23-0894	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,376.64	100.86
		For Galvanized Fittings, Add	*980.35*	
		For Extra Heavy Weight Fittings, Add	*1,470.53*	
23 21 13 23-0895	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,490.27	114.29
		For Galvanized Fittings, Add	*1,055.19*	
		For Extra Heavy Weight Fittings, Add	*1,582.79*	
23 21 13 23-0896	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,868.00	131.22
		For Galvanized Fittings, Add	*1,337.07*	
		For Extra Heavy Weight Fittings, Add	*2,005.61*	
23 21 13 23-0897	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,325.48	147.39
		For Galvanized Fittings, Add	*1,683.60*	
		For Extra Heavy Weight Fittings, Add	*2,525.40*	
23 21 13 23-0898		**Flanged Steel, Concentric Reducers** *(23 21 13 23-0859)*		
23 21 13 23-0899	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	659.64	57.84
		For Galvanized Fittings, Add	*458.35*	
		For Extra Heavy Weight Fittings, Add	*687.53*	
23 21 13 23-0900	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	749.52	65.55
		For Galvanized Fittings, Add	*520.95*	
		For Extra Heavy Weight Fittings, Add	*781.43*	
23 21 13 23-0901	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,102.84	74.75
		For Galvanized Fittings, Add	*792.61*	
		For Extra Heavy Weight Fittings, Add	*1,188.91*	
23 21 13 23-0902	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,215.77	81.10
		For Galvanized Fittings, Add	*875.34*	
		For Extra Heavy Weight Fittings, Add	*1,313.00*	
23 21 13 23-0903	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,424.89	96.64
		For Galvanized Fittings, Add	*1,024.02*	
		For Extra Heavy Weight Fittings, Add	*1,536.04*	
23 21 13 23-0904		**Flanged Steel, Eccentric Reducers** *(23 21 13 23-0859)*		
23 21 13 23-0905	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	714.31	65.55
		For Galvanized Fittings, Add	*492.78*	
		For Extra Heavy Weight Fittings, Add	*739.18*	
23 21 13 23-0906	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	965.06	74.75
		For Galvanized Fittings, Add	*682.38*	
		For Extra Heavy Weight Fittings, Add	*1,023.58*	
23 21 13 23-0907		**Plain End Couplings And Fittings** *(23 21 13 23)*		
		Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0908		**Plain End Piping System Couplings** *(23 21 13 23-0907)*		
23 21 13 23-0909		**Plainlock Plain End Piping System Couplings** *(23 21 13 23-0908)*		
		Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0910	EA	1" Plainlock Plain End Piping System Coupling	183.86	6.35
		For Galvanized Fittings, Add	*34.87*	
23 21 13 23-0911	EA	1-1/2" Plainlock Plain End Piping System Coupling	187.56	8.77
		For Galvanized Fittings, Add	*34.87*	
23 21 13 23-0912	EA	2" Plainlock Plain End Piping System Coupling	191.85	11.63
		For Galvanized Fittings, Add	*34.87*	
23 21 13 23-0913	EA	2-1/2" Plainlock Plain End Piping System Coupling	195.50	14.06
		For Galvanized Fittings, Add	*34.87*	
23 21 13 23-0914	EA	3" Plainlock Plain End Piping System Coupling	231.14	16.91
		For Galvanized Fittings, Add	*41.15*	
23 21 13 23-0915	EA	4" Plainlock Plain End Piping System Coupling	318.92	22.52
		For Galvanized Fittings, Add	*57.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0916	EA	6" Plainlock Plain End Piping System Coupling	536.37	36.69
		For Galvanized Fittings, Add	*96.28*	
23 21 13 23-0917		**Roust-A-Bout Plain End Piping System Couplings** *(23 21 13 23-0908)*		
		Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0918	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	221.43	8.77
		For Galvanized Fittings, Add	*52.05*	
23 21 13 23-0919	EA	2" Roust-A-Bout Plain End Piping System Coupling	225.72	11.63
		For Galvanized Fittings, Add	*52.05*	
23 21 13 23-0920	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	229.38	14.16
		For Galvanized Fittings, Add	*52.05*	
23 21 13 23-0921	EA	3" Roust-A-Bout Plain End Piping System Coupling	333.79	16.91
		For Galvanized Fittings, Add	*77.11*	
23 21 13 23-0922	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	386.55	19.78
		For Galvanized Fittings, Add	*89.23*	
23 21 13 23-0923	EA	4" Roust-A-Bout Plain End Piping System Coupling	390.74	22.52
		For Galvanized Fittings, Add	*89.23*	
23 21 13 23-0924	EA	5" Roust-A-Bout Plain End Piping System Coupling	552.24	28.23
		For Galvanized Fittings, Add	*127.48*	
23 21 13 23-0925	EA	6" Roust-A-Bout Plain End Piping System Coupling	677.79	36.69
		For Galvanized Fittings, Add	*155.70*	
23 21 13 23-0926	EA	8" Roust-A-Bout Plain End Piping System Coupling	1,169.93	43.77
		For Galvanized Fittings, Add	*276.08*	
23 21 13 23-0927	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,514.44	51.81
		For Galvanized Fittings, Add	*359.18*	
23 21 13 23-0928	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,894.77	61.32
		For Galvanized Fittings, Add	*450.70*	
23 21 13 23-0929	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,661.61	67.77
		For Galvanized Fittings, Add	*639.99*	
23 21 13 23-0930	EA	16" Roust-A-Bout Plain End Piping System Coupling	3,620.57	76.66
		For Galvanized Fittings, Add	*876.41*	
23 21 13 23-0931		**Plain End Piping System Fittings** *(23 21 13 23-0907)*		
		Note: Cast ductile iron bodies.		
23 21 13 23-0932		**Plain End Piping System, 90 Degree Elbows** *(23 21 13 23-0931)*		
23 21 13 23-0933	EA	1" Plain End Piping System, 90 Degree Elbow	181.86	11.53
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0934	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	190.75	17.45
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0935	EA	2" Plain End Piping System, 90 Degree Elbow	199.14	23.05
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0936	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	206.67	28.13
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0937	EA	3" Plain End Piping System, 90 Degree Elbow	248.71	34.04
		For Galvanized Fittings, Add	*39.54*	
23 21 13 23-0938	EA	4" Plain End Piping System, 90 Degree Elbow	355.55	44.83
		For Galvanized Fittings, Add	*57.66*	
23 21 13 23-0939	EA	5" Plain End Piping System, 90 Degree Elbow	1,082.04	56.14
		For Galvanized Fittings, Add	*199.57*	
23 21 13 23-0940	EA	6" Plain End Piping System, 90 Degree Elbow	903.61	73.48
		For Galvanized Fittings, Add	*158.69*	
23 21 13 23-0941	EA	8" Plain End Piping System, 90 Degree Elbow	1,806.73	87.23
		For Galvanized Fittings, Add	*335.17*	
23 21 13 23-0942	EA	10" Plain End Piping System, 90 Degree Elbow	2,259.11	101.92
		For Galvanized Fittings, Add	*421.26*	
23 21 13 23-0943	EA	12" Plain End Piping System, 90 Degree Elbow	2,865.39	122.44
		For Galvanized Fittings, Add	*536.36*	
23 21 13 23-0944		**Plain End Piping System, 45 Degree Elbows** *(23 21 13 23-0931)*		
23 21 13 23-0945	EA	1" Plain End Piping System, 45 Degree Elbow	181.86	11.53
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	190.75	17.45
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0947	EA	2" Plain End Piping System, 45 Degree Elbow	199.14	23.05
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	206.67	28.13
		For Galvanized Fittings, Add	*32.92*	
23 21 13 23-0949	EA	3" Plain End Piping System, 45 Degree Elbow	248.71	34.04
		For Galvanized Fittings, Add	*39.54*	
23 21 13 23-0950	EA	4" Plain End Piping System, 45 Degree Elbow	355.55	44.83
		For Galvanized Fittings, Add	*57.66*	
23 21 13 23-0951	EA	5" Plain End Piping System, 45 Degree Elbow	1,082.04	56.14
		For Galvanized Fittings, Add	*199.57*	
23 21 13 23-0952	EA	6" Plain End Piping System, 45 Degree Elbow	906.66	73.48
		For Galvanized Fittings, Add	*159.30*	
23 21 13 23-0953	EA	8" Plain End Piping System, 45 Degree Elbow	1,051.70	87.23
		For Galvanized Fittings, Add	*184.17*	
23 21 13 23-0954	EA	10" Plain End Piping System, 45 Degree Elbow	1,437.88	101.92
		For Galvanized Fittings, Add	*257.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0955	EA	12" Plain End Piping System, 45 Degree Elbow	1,843.73	122.44
		For Galvanized Fittings, Add	*332.03*	
23 21 13 23-0956		**Plain End Piping System, Tees** *(23 21 13 23-0931)*		
23 21 13 23-0957	EA	1" Plain End Piping System, Tee	247.80	17.45
		For Galvanized Fittings, Add	*44.33*	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, Tee	260.91	26.22
		For Galvanized Fittings, Add	*44.33*	
23 21 13 23-0959	EA	2" Plain End Piping System, Tee	272.47	33.94
		For Galvanized Fittings, Add	*44.33*	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, Tee	283.97	41.56
		For Galvanized Fittings, Add	*44.33*	
23 21 13 23-0961	EA	3" Plain End Piping System, Tee	395.56	51.07
		For Galvanized Fittings, Add	*63.79*	
23 21 13 23-0962	EA	4" Plain End Piping System, Tee	542.56	66.09
		For Galvanized Fittings, Add	*88.71*	
23 21 13 23-0963	EA	5" Plain End Piping System, Tee	1,103.95	86.39
		For Galvanized Fittings, Add	*194.87*	
23 21 13 23-0964	EA	6" Plain End Piping System, Tee	1,364.73	108.17
		For Galvanized Fittings, Add	*240.51*	
23 21 13 23-0965	EA	8" Plain End Piping System, Tee	1,863.53	131.53
		For Galvanized Fittings, Add	*333.25*	
23 21 13 23-0966	EA	10" Plain End Piping System, Tee	2,774.40	153.31
		For Galvanized Fittings, Add	*508.91*	
23 21 13 23-0967	EA	12" Plain End Piping System, Tee	3,717.53	183.66
		For Galvanized Fittings, Add	*688.44*	
23 21 13 23-0968		**Plain End Piping System, Reducing Tees** *(23 21 13 23-0931)*		
23 21 13 23-0969	EA	1-1/2" Plain End Piping System, Reducing Tee	480.21	28.13
		For Galvanized Fittings, Add	*87.61*	
23 21 13 23-0970	EA	2" Plain End Piping System, Reducing Tee	488.91	33.94
		For Galvanized Fittings, Add	*87.61*	
23 21 13 23-0971	EA	2-1/2" Plain End Piping System, Reducing Tee	500.41	41.56
		For Galvanized Fittings, Add	*87.61*	
23 21 13 23-0972	EA	3" Plain End Piping System, Reducing Tee	514.69	51.07
		For Galvanized Fittings, Add	*87.61*	
23 21 13 23-0973	EA	4" Plain End Piping System, Reducing Tee	745.74	66.09
		For Galvanized Fittings, Add	*129.35*	
23 21 13 23-0974	EA	6" Plain End Piping System, Reducing Tee	1,260.40	108.17
		For Galvanized Fittings, Add	*219.65*	
23 21 13 23-0975	EA	8" Plain End Piping System, Reducing Tee	1,643.58	131.53
		For Galvanized Fittings, Add	*289.26*	
23 21 13 23-0976	EA	10" Plain End Piping System, Reducing Tee	2,459.57	153.31
		For Galvanized Fittings, Add	*445.94*	
23 21 13 23-0977	EA	12" Plain End Piping System, Reducing Tee	3,627.44	183.66
		For Galvanized Fittings, Add	*670.42*	
23 21 13 23-0978		**Plain End Piping System, Wyes** *(23 21 13 23-0931)*		
23 21 13 23-0979	EA	2" Plain End Piping System, Wye	700.02	33.94
		For Galvanized Fittings, Add	*129.84*	
23 21 13 23-0980	EA	2-1/2" Plain End Piping System, Wye	711.52	41.56
		For Galvanized Fittings, Add	*129.84*	
23 21 13 23-0981	EA	3" Plain End Piping System, Wye	806.33	51.07
		For Galvanized Fittings, Add	*145.94*	
23 21 13 23-0982	EA	4" Plain End Piping System, Wye	1,182.13	66.09
		For Galvanized Fittings, Add	*216.63*	
23 21 13 23-0983	EA	5" Plain End Piping System, Wye	1,447.61	86.39
		For Galvanized Fittings, Add	*263.61*	
23 21 13 23-0984	EA	6" Plain End Piping System, Wye	1,977.15	108.17
		For Galvanized Fittings, Add	*363.00*	
23 21 13 23-0985	EA	8" Plain End Piping System, Wye	2,547.79	131.53
		For Galvanized Fittings, Add	*470.10*	
23 21 13 23-0986	EA	10" Plain End Piping System, Wye	3,696.00	153.31
		For Galvanized Fittings, Add	*693.23*	
23 21 13 23-0987	EA	12" Plain End Piping System, Wye	5,618.69	183.66
		For Galvanized Fittings, Add	*1,068.67*	
23 21 13 23-0988		**Plain End Piping System, Laterals** *(23 21 13 23-0931)*		
23 21 13 23-0989	EA	2" Plain End Piping System, Lateral	745.93	33.94
		For Galvanized Fittings, Add	*139.02*	
23 21 13 23-0990	EA	2-1/2" Plain End Piping System, Lateral	757.43	41.56
		For Galvanized Fittings, Add	*139.02*	
23 21 13 23-0991	EA	3" Plain End Piping System, Lateral	851.94	51.07
		For Galvanized Fittings, Add	*155.06*	
23 21 13 23-0992	EA	4" Plain End Piping System, Lateral	1,269.23	66.09
		For Galvanized Fittings, Add	*234.05*	
23 21 13 23-0993	EA	5" Plain End Piping System, Lateral	1,655.05	86.39
		For Galvanized Fittings, Add	*305.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0994	EA	6" Plain End Piping System, Lateral	2,110.61	108.17
		For Galvanized Fittings, Add	*389.69*	
23 21 13 23-0995	EA	8" Plain End Piping System, Lateral	3,038.03	131.53
		For Galvanized Fittings, Add	*568.15*	
23 21 13 23-0996	EA	10" Plain End Piping System, Lateral	4,239.93	153.31
		For Galvanized Fittings, Add	*802.01*	
23 21 13 23-0997	EA	12" Plain End Piping System, Lateral	5,699.53	183.66
		For Galvanized Fittings, Add	*1,084.84*	
23 21 13 23-0998		**Plain End Piping System, Crosses** *(23 21 13 23-0931)*		
23 21 13 23-0999	EA	2" Plain End Piping System, Cross	830.90	50.86
		For Galvanized Fittings, Add	*94.34*	
23 21 13 23-1000	EA	2-1/2" Plain End Piping System, Cross	848.13	62.28
		For Galvanized Fittings, Add	*94.34*	
23 21 13 23-1001	EA	3" Plain End Piping System, Cross	990.31	76.66
		For Galvanized Fittings, Add	*109.42*	
23 21 13 23-1002	EA	4" Plain End Piping System, Cross	1,351.07	99.07
		For Galvanized Fittings, Add	*150.32*	
23 21 13 23-1003	EA	5" Plain End Piping System, Cross	1,902.41	129.63
		For Galvanized Fittings, Add	*213.51*	
23 21 13 23-1004	EA	6" Plain End Piping System, Cross	2,497.85	161.77
		For Galvanized Fittings, Add	*281.92*	
23 21 13 23-1005	EA	8" Plain End Piping System, Cross	3,187.09	195.93
		For Galvanized Fittings, Add	*361.67*	
23 21 13 23-1006	EA	10" Plain End Piping System, Cross	4,564.92	229.02
		For Galvanized Fittings, Add	*527.70*	
23 21 13 23-1007	EA	12" Plain End Piping System, Cross	6,500.27	275.54
		For Galvanized Fittings, Add	*760.91*	
23 21 13 23-1008		**Plain End Piping System, Adapter Nipples** *(23 21 13 23-0931)*		
		Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-1009	EA	1" Plain End Piping System, Adapter Nipple	78.79	6.35
		For Galvanized Fittings, Add	*17.32*	
23 21 13 23-1010	EA	1-1/2" Plain End Piping System, Adapter Nipple	84.40	8.77
		For Galvanized Fittings, Add	*17.80*	
23 21 13 23-1011	EA	2" Plain End Piping System, Adapter Nipple	88.57	11.63
		For Galvanized Fittings, Add	*17.80*	
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Adapter Nipple	104.54	14.06
		For Galvanized Fittings, Add	*20.85*	
23 21 13 23-1013	EA	3" Plain End Piping System, Adapter Nipple	128.43	16.91
		For Galvanized Fittings, Add	*25.76*	
23 21 13 23-1014	EA	4" Plain End Piping System, Adapter Nipple	206.15	22.52
		For Galvanized Fittings, Add	*43.08*	
23 21 13 23-1015	EA	6" Plain End Piping System, Adapter Nipple	508.31	28.23
		For Galvanized Fittings, Add	*116.51*	
23 21 13 23-1016		**Plain End Piping System, Reducing (Swaged) Nipples** *(23 21 13 23-0931)*		
23 21 13 23-1017	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	255.55	15.12
		For Galvanized Fittings, Add	*58.21*	
23 21 13 23-1018	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	259.79	17.97
		For Galvanized Fittings, Add	*58.21*	
23 21 13 23-1019	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	264.06	20.83
		For Galvanized Fittings, Add	*58.21*	
23 21 13 23-1020	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	263.03	20.20
		For Galvanized Fittings, Add	*58.21*	
23 21 13 23-1021	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	267.19	22.94
		For Galvanized Fittings, Add	*58.21*	
23 21 13 23-1022	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	271.40	25.69
		For Galvanized Fittings, Add	*58.21*	
23 21 13 23-1023	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	318.38	23.26
		For Galvanized Fittings, Add	*70.89*	
23 21 13 23-1024	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	322.13	25.69
		For Galvanized Fittings, Add	*70.89*	
23 21 13 23-1025	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	260.93	28.55
		For Galvanized Fittings, Add	*54.52*	
23 21 13 23-1026	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	269.11	34.04
		For Galvanized Fittings, Add	*54.52*	
23 21 13 23-1027	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	315.73	36.69
		For Galvanized Fittings, Add	*65.19*	
23 21 13 23-1028	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	442.06	28.86
		For Galvanized Fittings, Add	*99.68*	
23 21 13 23-1029	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	445.77	31.40
		For Galvanized Fittings, Add	*99.68*	
23 21 13 23-1030	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	353.26	34.25
		For Galvanized Fittings, Add	*75.48*	
23 21 13 23-1031	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	356.89	36.69
		For Galvanized Fittings, Add	*75.48*	
23 21 13 23-1032	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	361.20	39.54
		For Galvanized Fittings, Add	*75.48*	
23 21 13 23-1033	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	365.32	42.29
		For Galvanized Fittings, Add	*75.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1034	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	1,170.11	39.86
		For Galvanized Fittings, Add	*277.58*	
23 21 13 23-1035	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	924.61	45.04
		For Galvanized Fittings, Add	*214.25*	
23 21 13 23-1036	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	781.40	50.86
		For Galvanized Fittings, Add	*176.31*	
23 21 13 23-1037	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	2,180.09	43.04
		For Galvanized Fittings, Add	*528.90*	
23 21 13 23-1038	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	2,183.73	45.47
		For Galvanized Fittings, Add	*528.90*	
23 21 13 23-1039	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	1,637.19	48.32
		For Galvanized Fittings, Add	*391.19*	
23 21 13 23-1040	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,640.94	50.86
		For Galvanized Fittings, Add	*391.19*	
23 21 13 23-1041	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	1,094.44	53.61
		For Galvanized Fittings, Add	*253.53*	
23 21 13 23-1042	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,098.28	56.14
		For Galvanized Fittings, Add	*253.53*	
23 21 13 23-1043	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	857.79	59.21
		For Galvanized Fittings, Add	*192.27*	
23 21 13 23-1044	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	978.99	64.82
		For Galvanized Fittings, Add	*220.45*	
23 21 13 23-1045	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	1,313.85	60.59
		For Galvanized Fittings, Add	*305.75*	
23 21 13 23-1046	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	1,322.38	66.30
		For Galvanized Fittings, Add	*305.75*	
23 21 13 23-1047	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	1,499.21	72.00
		For Galvanized Fittings, Add	*347.83*	
23 21 13 23-1048	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	1,680.27	80.46
		For Galvanized Fittings, Add	*389.89*	
23 21 13 23-1049		**Plain End Piping System, Bull Plugs** *(23 21 13 23-0931)*		
23 21 13 23-1050	EA	1" Plain End Piping System, Bull Plug	367.36	6.35
		For Galvanized Fittings, Add	*107.35*	
23 21 13 23-1051	EA	1-1/2" Plain End Piping System, Bull Plug	371.06	8.77
		For Galvanized Fittings, Add	*107.35*	
23 21 13 23-1052	EA	2" Plain End Piping System, Bull Plug	375.23	11.63
		For Galvanized Fittings, Add	*107.35*	
23 21 13 23-1053	EA	2-1/2" Plain End Piping System, Bull Plug	378.99	14.06
		For Galvanized Fittings, Add	*107.35*	
23 21 13 23-1054	EA	3" Plain End Piping System, Bull Plug	549.93	16.91
		For Galvanized Fittings, Add	*157.37*	
23 21 13 23-1055	EA	4" Plain End Piping System, Bull Plug	711.38	22.52
		For Galvanized Fittings, Add	*203.27*	
23 21 13 23-1056	EA	5" Plain End Piping System, Bull Plug	1,239.66	28.23
		For Galvanized Fittings, Add	*359.21*	
23 21 13 23-1057	EA	6" Plain End Piping System, Bull Plug	1,651.99	36.69
		For Galvanized Fittings, Add	*479.10*	
23 21 13 23-1058	EA	8" Plain End Piping System, Bull Plug	3,067.98	43.67
		For Galvanized Fittings, Add	*900.73*	
23 21 13 23-1059	EA	10" Plain End Piping System, Bull Plug	5,527.05	51.07
		For Galvanized Fittings, Add	*1,635.13*	
23 21 13 23-1060	EA	12" Plain End Piping System, Bull Plug	8,473.76	61.32
		For Galvanized Fittings, Add	*2,514.54*	
23 21 13 23-1061		**Carbon Steel Piping Systems** *(23 21 13 23)*		
23 21 13 23-1062		**Class 3,000 LB Carbon Steel Socket Weld Fittings** *(23 21 13 23-1061)*		
		Note: ASTM A105		
23 21 13 23-1063		**90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1064	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	50.29	20.93
23 21 13 23-1065	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	56.74	23.36
23 21 13 23-1066	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	79.11	26.11
23 21 13 23-1067	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	118.83	29.61
23 21 13 23-1068	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	136.67	33.31
23 21 13 23-1069	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	190.81	42.40
23 21 13 23-1070	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	416.98	62.70
23 21 13 23-1071	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	605.79	82.47
23 21 13 23-1072	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	1,157.91	89.45
23 21 13 23-1073		**45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1074	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	58.65	20.93
23 21 13 23-1075	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	69.38	23.36
23 21 13 23-1076	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	83.00	26.11
23 21 13 23-1077	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	123.76	29.61
23 21 13 23-1078	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	148.46	33.31
23 21 13 23-1079	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	190.56	42.40
23 21 13 23-1080	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	489.14	62.70
23 21 13 23-1081	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	666.85	82.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1082	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	1,131.49	89.45
23 21 13 23-1083		**Straight Tees, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1084	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	60.71	26.11
23 21 13 23-1085	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	76.30	30.13
23 21 13 23-1086	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	108.45	35.63
23 21 13 23-1087	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	153.26	42.40
23 21 13 23-1088	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	187.09	50.54
23 21 13 23-1089	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	255.55	62.70
23 21 13 23-1090	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	512.63	82.47
23 21 13 23-1091	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	730.89	97.91
23 21 13 23-1092	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	1,541.46	112.92
23 21 13 23-1093		**Reducing Tees, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1094	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	63.00	26.11
23 21 13 23-1095	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	78.66	30.13
23 21 13 23-1096	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	111.28	35.63
23 21 13 23-1097	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	159.97	42.40
23 21 13 23-1098	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	194.96	50.54
23 21 13 23-1099	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	267.62	62.70
23 21 13 23-1100	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	541.31	82.47
23 21 13 23-1101	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	772.20	97.91
23 21 13 23-1102	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	1,394.47	112.92
23 21 13 23-1103		**Straight Couplings, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1104	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	39.99	20.93
23 21 13 23-1105	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	45.33	23.36
23 21 13 23-1106	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	54.89	26.11
23 21 13 23-1107	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	64.17	29.61
23 21 13 23-1108	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	76.66	33.31
23 21 13 23-1109	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	102.48	42.40
23 21 13 23-1110	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB	192.01	62.70
23 21 13 23-1111	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	258.84	82.47
23 21 13 23-1112	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	403.73	89.45
23 21 13 23-1113		**Reducing Couplings, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1114	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	44.66	20.93
23 21 13 23-1115	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	50.44	23.36
23 21 13 23-1116	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	63.08	26.11
23 21 13 23-1117	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	74.06	29.61
23 21 13 23-1118	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	91.33	33.31
23 21 13 23-1119	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	118.16	42.40
23 21 13 23-1120	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	226.54	62.70
23 21 13 23-1121	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	328.30	82.47
23 21 13 23-1122	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	548.11	89.45
23 21 13 23-1123		**Caps, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1124	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	28.38	9.83
23 21 13 23-1125	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	33.61	10.47
23 21 13 23-1126	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	39.79	12.05
23 21 13 23-1127	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	47.91	13.11
23 21 13 23-1128	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	58.30	13.11
23 21 13 23-1129	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	75.79	16.81
23 21 13 23-1130	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	150.31	20.93
23 21 13 23-1131	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	225.34	25.27
23 21 13 23-1132	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	338.21	30.61
23 21 13 23-1133		**Black Cast Iron Square Head Plug** *(23 21 13 23-1062)*		
23 21 13 23-1134	EA	1/2" Square Head Plug, Black, Cast Iron	15.42	8.35
23 21 13 23-1135	EA	3/4" Square Head Plug, Black, Cast Iron	19.86	8.35
23 21 13 23-1136	EA	1" Square Head Plug, Black, Cast Iron	27.20	12.68
23 21 13 23-1137	EA	1-1/4" Square Head Plug, Black, Cast Iron	28.09	12.68
23 21 13 23-1138	EA	1-1/2" Square Head Plug, Black, Cast Iron	31.77	12.68
23 21 13 23-1139	EA	2" Square Head Plug, Black, Cast Iron	41.89	16.81
23 21 13 23-1140	EA	2-1/2" Square Head Plug, Black, Cast Iron	55.44	20.93
23 21 13 23-1141	EA	3" Square Head Plug, Black, Cast Iron	76.60	25.27
23 21 13 23-1142	EA	4" Square Head Plug, Black, Cast Iron	91.38	30.61
23 21 13 23-1143		**Unions, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1144	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	87.70	26.11
23 21 13 23-1145	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	94.99	30.13
23 21 13 23-1146	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	126.20	35.63
23 21 13 23-1147	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	163.98	42.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1148	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	198.41	50.54
23 21 13 23-1149	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	248.95	62.70
23 21 13 23-1150	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	498.95	68.09
23 21 13 23-1151	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	686.07	82.47
23 21 13 23-1152		Class 6,000 LB Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)* Note: ASTM A105		
23 21 13 23-1153		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1154	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	60.36	20.93
23 21 13 23-1155	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	68.24	23.36
23 21 13 23-1156	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	100.33	26.11
23 21 13 23-1157	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	158.39	29.61
23 21 13 23-1158	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	182.70	33.31
23 21 13 23-1159	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	258.42	42.40
23 21 13 23-1160	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	588.53	62.70
23 21 13 23-1161	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	861.85	82.47
23 21 13 23-1162	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	1,701.68	89.45
23 21 13 23-1163		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1164	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	74.11	20.93
23 21 13 23-1165	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	88.80	23.36
23 21 13 23-1166	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	107.82	26.11
23 21 13 23-1167	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	168.72	29.61
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	204.22	33.31
23 21 13 23-1169	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	262.50	42.40
23 21 13 23-1170	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	712.89	62.70
23 21 13 23-1171	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	974.40	82.47
23 21 13 23-1172	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	1,696.24	89.45
23 21 13 23-1173		Straight Tees, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1174	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	80.66	26.11
23 21 13 23-1175	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	105.12	30.13
23 21 13 23-1176	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	159.44	35.63
23 21 13 23-1177	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	236.40	42.40
23 21 13 23-1178	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	290.18	50.54
23 21 13 23-1179	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	405.20	62.70
23 21 13 23-1180	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	872.88	82.47
23 21 13 23-1181	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,271.83	97.91
23 21 13 23-1182	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	2,812.34	112.92
23 21 13 23-1183		Reducing Tees, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1184	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	63.00	26.11
23 21 13 23-1185	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	78.66	30.13
23 21 13 23-1186	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	111.28	35.63
23 21 13 23-1187	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	159.97	42.40
23 21 13 23-1188	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	194.96	50.54
23 21 13 23-1189	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	267.62	62.70
23 21 13 23-1190	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	541.31	82.47
23 21 13 23-1191	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	772.20	97.91
23 21 13 23-1192	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	1,394.47	112.92
23 21 13 23-1193		Straight Couplings, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1194	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	44.18	20.93
23 21 13 23-1195	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.29	23.36
23 21 13 23-1196	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	62.50	26.11
23 21 13 23-1197	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	73.76	29.61
23 21 13 23-1198	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	89.56	33.31
23 21 13 23-1199	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	121.33	42.40
23 21 13 23-1200	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	239.41	62.70
23 21 13 23-1201	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	324.22	82.47
23 21 13 23-1202	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	534.15	89.45
23 21 13 23-1203		Reducing Couplings, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1204	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	51.05	20.93
23 21 13 23-1205	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	57.82	23.36
23 21 13 23-1206	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	74.56	26.11
23 21 13 23-1207	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	88.33	29.61
23 21 13 23-1208	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	111.17	33.31
23 21 13 23-1209	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	144.40	42.40
23 21 13 23-1210	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	290.16	62.70
23 21 13 23-1211	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	426.53	82.47
23 21 13 23-1212	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	746.86	89.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1213		**Caps, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1214	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	37.57	9.83
23 21 13 23-1215	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	45.65	10.47
23 21 13 23-1216	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB	54.36	12.05
23 21 13 23-1217	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	66.92	13.11
23 21 13 23-1218	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	84.28	13.11
23 21 13 23-1219	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB	109.69	16.81
23 21 13 23-1220	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	230.15	20.93
23 21 13 23-1221	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB	351.13	25.27
23 21 13 23-1222	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB	534.35	30.61
23 21 13 23-1223		**Black Cast Iron Square Head Plug** *(23 21 13 23-1152)*		
23 21 13 23-1224	EA	1/2" Square Head Plug, Black Cast Iron	15.43	8.35
23 21 13 23-1225	EA	3/4" Square Head Plug, Black Cast Iron	19.89	8.35
23 21 13 23-1226	EA	1" Square Head Plug, Black Cast Iron	27.24	12.68
23 21 13 23-1227	EA	1-1/4" Square Head Plug, Black Cast Iron	28.13	12.68
23 21 13 23-1228	EA	1-1/2" Square Head Plug, Black Cast Iron	31.83	12.68
23 21 13 23-1229	EA	2" Square Head Plug, Black Cast Iron	41.97	16.81
23 21 13 23-1230	EA	2-1/2" Square Head Plug, Black Cast Iron	55.56	20.93
23 21 13 23-1231	EA	3" Square Head Plug, Black Cast Iron	76.79	25.27
23 21 13 23-1232	EA	4" Square Head Plug, Black Cast Iron	91.61	30.61
23 21 13 23-1233		**Unions, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1234	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	117.38	26.11
23 21 13 23-1235	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	125.45	30.13
23 21 13 23-1236	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB	170.72	35.63
23 21 13 23-1237	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	225.42	42.40
23 21 13 23-1238	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	273.39	50.54
23 21 13 23-1239	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB	343.72	62.70
23 21 13 23-1240	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	741.59	68.09
23 21 13 23-1241	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB	1,029.99	82.47
23 21 13 23-1242		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1061)*		
		Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1243		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1242)*		
		Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1244	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	12.44	3.91
		For Schedule 80, Add	*2.37*	
23 21 13 23-1245	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	12.42	4.23
		For Schedule 80, Add	*2.16*	
		For Schedule 160, Add	*9.02*	
23 21 13 23-1246	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	14.18	4.54
		For Schedule 80, Add	*2.65*	
		For Schedule 160, Add	*11.04*	
23 21 13 23-1247	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	14.97	4.97
		For Schedule 80, Add	*2.73*	
		For Schedule 160, Add	*11.37*	
23 21 13 23-1248	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	21.49	6.14
		For Schedule 80, Add	*4.42*	
		For Schedule 160, Add	*18.44*	
23 21 13 23-1249	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	25.84	7.40
		For Schedule 80, Add	*5.30*	
		For Schedule 160, Add	*22.07*	
23 21 13 23-1250		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1251	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	36.13	16.07
23 21 13 23-1252	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	44.61	18.82
23 21 13 23-1253	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	49.78	21.05
23 21 13 23-1254	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	58.19	23.47
23 21 13 23-1255	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	104.25	30.03
23 21 13 23-1256	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	131.94	38.17
23 21 13 23-1257	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	39.94	16.07
23 21 13 23-1258	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	46.04	18.82
23 21 13 23-1259	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	54.48	21.05
23 21 13 23-1260	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	68.44	23.47
23 21 13 23-1261	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	128.72	30.03
23 21 13 23-1262	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	158.98	38.17
23 21 13 23-1263	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	59.35	18.82
23 21 13 23-1264	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	71.25	21.05
23 21 13 23-1265	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	86.06	23.47
23 21 13 23-1266	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	178.23	30.03
23 21 13 23-1267	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	290.29	38.17
23 21 13 23-1268		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1269	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	43.80	16.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1270	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	47.68	18.82
23 21 13 23-1271	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	53.75	21.05
23 21 13 23-1272	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	61.21	23.47
23 21 13 23-1273	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	94.48	30.03
23 21 13 23-1274	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	147.01	38.17
23 21 13 23-1275	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	44.41	16.07
23 21 13 23-1276	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	51.17	18.82
23 21 13 23-1277	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	57.77	21.05
23 21 13 23-1278	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	71.67	23.47
23 21 13 23-1279	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	124.94	30.03
23 21 13 23-1280	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	167.42	38.17
23 21 13 23-1281	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	68.55	18.82
23 21 13 23-1282	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	87.85	21.05
23 21 13 23-1283	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	92.29	23.47
23 21 13 23-1284	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	213.54	30.03
23 21 13 23-1285	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	292.62	38.17
23 21 13 23-1286		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1287	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	48.56	22.30
23 21 13 23-1288	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	56.50	23.47
23 21 13 23-1289	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	69.66	27.17
23 21 13 23-1290	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	87.70	32.04
23 21 13 23-1291	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	151.58	45.47
23 21 13 23-1292	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	187.93	56.46
23 21 13 23-1293	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	51.81	22.30
23 21 13 23-1294	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	58.62	23.47
23 21 13 23-1295	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	76.74	27.17
23 21 13 23-1296	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	93.76	32.04
23 21 13 23-1297	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	172.58	45.47
23 21 13 23-1298	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	222.67	56.46
23 21 13 23-1299	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	74.60	23.47
23 21 13 23-1300	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	93.91	27.17
23 21 13 23-1301	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	136.21	32.04
23 21 13 23-1302	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	220.81	45.47
23 21 13 23-1303	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	376.41	56.46
23 21 13 23-1304		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1305	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	79.45	28.23
23 21 13 23-1306	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	96.83	31.72
23 21 13 23-1307	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	104.66	33.83
23 21 13 23-1308	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	131.32	40.81
23 21 13 23-1309	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	254.57	57.09
23 21 13 23-1310	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	334.71	70.52
23 21 13 23-1311	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	100.83	31.72
23 21 13 23-1312	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	127.62	33.83
23 21 13 23-1313	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	151.41	40.81
23 21 13 23-1314	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	283.55	57.09
23 21 13 23-1315	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	387.62	70.52
23 21 13 23-1316	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	175.61	31.72
23 21 13 23-1317	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	331.74	33.83
23 21 13 23-1318	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	465.95	40.81
23 21 13 23-1319	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	751.27	57.09
23 21 13 23-1320	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	808.19	70.52
23 21 13 23-1321		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1322	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	30.95	16.07
23 21 13 23-1323	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	34.83	18.82
23 21 13 23-1324	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	40.69	21.05
23 21 13 23-1325	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	48.98	23.47
23 21 13 23-1326	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	79.57	30.03
23 21 13 23-1327	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	100.93	38.17
23 21 13 23-1328	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	40.54	16.07
23 21 13 23-1329	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	40.90	18.82
23 21 13 23-1330	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	45.35	21.05
23 21 13 23-1331	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	55.19	23.47
23 21 13 23-1332	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	89.05	30.03
23 21 13 23-1333	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	135.58	38.17
23 21 13 23-1334		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1335	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	32.29	17.13
23 21 13 23-1336	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	37.97	18.82
23 21 13 23-1337	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	45.50	21.05
23 21 13 23-1338	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	55.64	23.47
23 21 13 23-1339	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	81.30	30.03
23 21 13 23-1340	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	110.27	38.17
23 21 13 23-1341	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	160.73	18.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1342	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	164.09	21.05
23 21 13 23-1343	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	193.88	23.47
23 21 13 23-1344	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	285.76	30.03
23 21 13 23-1345	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	419.75	38.17
23 21 13 23-1346		**Caps, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1347	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	16.46	7.19
23 21 13 23-1348	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	18.79	8.35
23 21 13 23-1349	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	22.76	9.41
23 21 13 23-1350	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	28.99	10.47
23 21 13 23-1351	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	41.22	13.32
23 21 13 23-1352	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	58.34	17.03
23 21 13 23-1353	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	27.97	7.19
23 21 13 23-1354	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	26.16	8.35
23 21 13 23-1355	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	34.77	9.41
23 21 13 23-1356	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	37.76	10.47
23 21 13 23-1357	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	76.97	13.32
23 21 13 23-1358	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	93.15	17.03
23 21 13 23-1359		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1360	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	19.34	9.62
23 21 13 23-1361	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	19.47	10.04
23 21 13 23-1362	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	19.18	10.04
23 21 13 23-1363	EA	1" Nipple, 2" Long, Screwed Carbon Steel	22.09	10.89
23 21 13 23-1364	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	26.41	11.74
23 21 13 23-1365	EA	2" Nipple, 2" Long, Screwed Carbon Steel	29.36	15.12
23 21 13 23-1366	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	21.54	9.62
23 21 13 23-1367	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	21.21	10.04
23 21 13 23-1368	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	21.15	10.04
23 21 13 23-1369	EA	1" Nipple, 4" Long, Screwed Carbon Steel	24.75	10.89
23 21 13 23-1370	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	31.15	11.74
23 21 13 23-1371	EA	2" Nipple, 4" Long, Screwed Carbon Steel	36.29	15.12
23 21 13 23-1372	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	26.79	9.62
23 21 13 23-1373	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	23.98	10.04
23 21 13 23-1374	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	24.23	10.04
23 21 13 23-1375	EA	1" Nipple, 6" Long, Screwed Carbon Steel	28.57	10.89
23 21 13 23-1376	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	37.62	11.74
23 21 13 23-1377	EA	2" Nipple, 6" Long, Screwed Carbon Steel	42.03	15.12
23 21 13 23-1378		**Unions, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1379	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	39.50	23.36
23 21 13 23-1380	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	39.00	23.47
23 21 13 23-1381	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	44.53	27.17
23 21 13 23-1382	EA	1" Union, 3,000 LB, Screwed Carbon Steel	53.70	32.04
23 21 13 23-1383	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	77.70	45.47
23 21 13 23-1384	EA	2" Union, 3,000 LB, Screwed Carbon Steel	96.58	56.46
23 21 13 23-1385	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	90.41	23.36
23 21 13 23-1386	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	100.54	23.47
23 21 13 23-1387	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	119.07	27.17
23 21 13 23-1388	EA	1" Union, 6,000 LB, Screwed Carbon Steel	145.56	32.04
23 21 13 23-1389	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	265.54	45.47
23 21 13 23-1390	EA	2" Union, 6,000 LB, Screwed Carbon Steel	327.75	56.46
23 21 13 23-1391		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1392	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	92.60	43.67
23 21 13 23-1393	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	96.64	45.78
23 21 13 23-1394	EA	1" Flange, 150 LB, Screwed Carbon Steel	99.61	47.79
23 21 13 23-1395	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	109.63	53.82
23 21 13 23-1396	EA	2" Flange, 150 LB, Screwed Carbon Steel	113.14	56.14
23 21 13 23-1397	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	94.31	43.67
		For Ring Type Joint, Add	*28.79*	
		For Blind Flange, Deduct	*-31.97*	
23 21 13 23-1398	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	98.46	45.78
		For Ring Type Joint, Add	*29.76*	
		For Blind Flange, Deduct	*-33.43*	
23 21 13 23-1399	EA	1" Flange, 300 LB, Screwed Carbon Steel	102.37	47.79
		For Ring Type Joint, Add	*30.70*	
		For Blind Flange, Deduct	*-34.81*	
23 21 13 23-1400	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	116.25	53.82
		For Ring Type Joint, Add	*35.53*	
		For Blind Flange, Deduct	*-39.39*	
23 21 13 23-1401	EA	2" Flange, 300 LB, Screwed Carbon Steel	119.76	56.14
		For Ring Type Joint, Add	*35.53*	
		For Blind Flange, Deduct	*-40.80*	
23 21 13 23-1402	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	105.64	43.67
		For Ring Type Joint, Add	*40.12*	
		For Blind Flange, Deduct	*-34.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1403	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	108.82	45.78
		For Ring Type Joint, Add	*40.12*	
		For Blind Flange, Deduct	*-35.50*	
23 21 13 23-1404	EA	1" Flange, 600 LB, Screwed Carbon Steel	113.62	47.79
		For Ring Type Joint, Add	*41.95*	
		For Blind Flange, Deduct	*-37.06*	
23 21 13 23-1405	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	130.17	53.82
		For Ring Type Joint, Add	*49.45*	
		For Blind Flange, Deduct	*-42.18*	
23 21 13 23-1406	EA	2" Flange, 600 LB, Screwed Carbon Steel	130.26	56.14
		For Ring Type Joint, Add	*46.03*	
		For Blind Flange, Deduct	*-42.90*	
23 21 13 23-1407		**Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1408	EA	1/4" Square Head Plug, Screwed Carbon Steel	6.99	2.96
23 21 13 23-1409	EA	1/2" Square Head Plug, Screwed Carbon Steel	8.36	3.49
23 21 13 23-1410	EA	3/4" Square Head Plug, Screwed Carbon Steel	9.85	4.02
23 21 13 23-1411	EA	1" Square Head Plug, Screwed Carbon Steel	14.30	5.92
23 21 13 23-1412	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	20.98	5.92
23 21 13 23-1413	EA	2" Square Head Plug, Screwed Carbon Steel	31.73	7.72
23 21 13 23-1414		**Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1415	EA	1/4" Hex Head Plug, Screwed Carbon Steel	6.33	2.96
23 21 13 23-1416	EA	1/2" Hex Head Plug, Screwed Carbon Steel	7.74	3.49
23 21 13 23-1417	EA	3/4" Hex Head Plug, Screwed Carbon Steel	9.45	4.02
23 21 13 23-1418	EA	1" Hex Head Plug, Screwed Carbon Steel	13.95	5.92
23 21 13 23-1419	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	19.51	5.92
23 21 13 23-1420	EA	2" Hex Head Plug, Screwed Carbon Steel	32.77	7.72
23 21 13 23-1421		**Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1422	EA	1/4" Round Head Plug, Screwed Carbon Steel	8.49	2.96
23 21 13 23-1423	EA	1/2" Round Head Plug, Screwed Carbon Steel	8.45	3.49
23 21 13 23-1424	EA	3/4" Round Head Plug, Screwed Carbon Steel	9.57	4.02
23 21 13 23-1425	EA	1" Round Head Plug, Screwed Carbon Steel	14.54	5.92
23 21 13 23-1426	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	22.84	5.92
23 21 13 23-1427	EA	2" Round Head Plug, Screwed Carbon Steel	32.37	7.72
23 21 13 23-1428		**Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1429	EA	1/4" Hex Bushing, Screwed Carbon Steel	6.83	2.96
23 21 13 23-1430	EA	1/2" Hex Bushing, Screwed Carbon Steel	7.72	3.49
23 21 13 23-1431	EA	3/4" Hex Bushing, Screwed Carbon Steel	9.28	4.02
23 21 13 23-1432	EA	1" Hex Bushing, Screwed Carbon Steel	14.42	5.92
23 21 13 23-1433	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	19.39	5.92
23 21 13 23-1434	EA	2" Hex Bushing, Screwed Carbon Steel	31.23	7.72
23 21 13 23-1435		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1436	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	48.31	16.07
23 21 13 23-1437	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	54.17	18.82
23 21 13 23-1438	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	64.95	21.05
23 21 13 23-1439	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	77.95	23.47
23 21 13 23-1440	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	136.40	30.03
23 21 13 23-1441	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	187.70	38.17
23 21 13 23-1442	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	88.96	18.82
23 21 13 23-1443	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	135.69	21.05
23 21 13 23-1444	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	196.33	23.47
23 21 13 23-1445	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	462.04	30.03
23 21 13 23-1446		**Screwed Carbon Steel Laterals** *(23 21 13 23-1242)*		
23 21 13 23-1447	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	274.89	23.47
23 21 13 23-1448	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	332.43	27.17
23 21 13 23-1449	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	408.59	32.04
23 21 13 23-1450	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	518.36	45.47
23 21 13 23-1451	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	647.28	56.46
23 21 13 23-1452	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	356.17	23.47
23 21 13 23-1453	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	453.30	27.17
23 21 13 23-1454	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	537.83	32.04
23 21 13 23-1455	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	755.97	45.47
23 21 13 23-1456		**Grooved-Joint Pipe** *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1457		**Schedule 10 Black Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1458	LF	2" Black Schedule 10 Grooved Pipe	37.72	13.43
23 21 13 23-1459	LF	2-1/2" Black Schedule 10 Grooved Pipe	50.48	18.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1460	LF	3" Black Schedule 10 Grooved Pipe	57.00	20.41
23 21 13 23-1461	LF	3-1/2" Black Schedule 10 Grooved Pipe	65.57	21.15
23 21 13 23-1462	LF	4" Black Schedule 10 Grooved Pipe	69.07	22.94
23 21 13 23-1463	LF	5" Black Schedule 10 Grooved Pipe	103.07	28.13
23 21 13 23-1464	LF	6" Black Schedule 10 Grooved Pipe	128.08	39.97
23 21 13 23-1465	LF	8" Black Schedule 10 Grooved Pipe	187.60	44.83
23 21 13 23-1466	LF	10" Black Schedule 10 Grooved Pipe	237.96	54.03
23 21 13 23-1467	LF	12" Black Schedule 10 Grooved Pipe	275.91	61.22
23 21 13 23-1468		**Schedule 40 Black Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1469	LF	3/4" Black Schedule 40 Grooved Pipe	22.52	8.14
23 21 13 23-1470	LF	1" Black Schedule 40 Grooved Pipe	25.46	9.20
23 21 13 23-1471	LF	1-1/4" Black Schedule 40 Grooved Pipe	29.55	9.94
23 21 13 23-1472	LF	1-1/2" Black Schedule 40 Grooved Pipe	33.62	11.31
23 21 13 23-1473	LF	2" Black Schedule 40 Grooved Pipe	42.19	14.38
23 21 13 23-1474	LF	2-1/2" Black Schedule 40 Grooved Pipe	59.21	19.67
23 21 13 23-1475	LF	3" Black Schedule 40 Grooved Pipe	70.90	22.42
23 21 13 23-1476	LF	4" Black Schedule 40 Grooved Pipe	90.35	24.95
23 21 13 23-1477	LF	5" Black Schedule 40 Grooved Pipe	129.56	30.34
23 21 13 23-1478	LF	6" Black Schedule 40 Grooved Pipe	170.54	43.77
23 21 13 23-1479	LF	8" Black Schedule 40 Grooved Pipe	237.29	49.59
23 21 13 23-1480	LF	10" Black Schedule 40 Grooved Pipe	338.95	59.21
23 21 13 23-1481	LF	12" Black Schedule 40 Grooved Pipe	401.55	67.98
23 21 13 23-1482	LF	14" Black Schedule 40 Grooved Pipe	527.41	91.88
23 21 13 23-1483	LF	16" Black Schedule 40 Grooved Pipe	609.86	108.06
23 21 13 23-1484	LF	18" Black Schedule 40 Grooved Pipe	760.90	131.22
23 21 13 23-1485	LF	20" Black Schedule 40 Grooved Pipe	875.11	153.00
23 21 13 23-1486	LF	24" Black Schedule 40 Grooved Pipe	1,165.31	183.66
23 21 13 23-1487		**Schedule 80 Black Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1488	LF	3/4" Black Schedule 80 Grooved Pipe	24.71	8.89
23 21 13 23-1489	LF	1" Black Schedule 80 Grooved Pipe	27.95	9.41
23 21 13 23-1490	LF	1-1/4" Black Schedule 80 Grooved Pipe	33.60	10.47
23 21 13 23-1491	LF	1-1/2" Black Schedule 80 Grooved Pipe	38.47	11.74
23 21 13 23-1492	LF	2" Black Schedule 80 Grooved Pipe	49.83	15.12
23 21 13 23-1493	LF	2-1/2" Black Schedule 80 Grooved Pipe	70.91	20.83
23 21 13 23-1494	LF	3" Black Schedule 80 Grooved Pipe	86.39	23.36
23 21 13 23-1495	LF	4" Black Schedule 80 Grooved Pipe	113.51	25.48
23 21 13 23-1496	LF	5" Black Schedule 80 Grooved Pipe	182.31	32.04
23 21 13 23-1497	LF	6" Black Schedule 80 Grooved Pipe	231.98	45.89
23 21 13 23-1498	LF	8" Black Schedule 80 Grooved Pipe	368.11	52.45
23 21 13 23-1499	LF	10" Black Schedule 80 Grooved Pipe	460.70	63.34
23 21 13 23-1500	LF	12" Black Schedule 80 Grooved Pipe	472.59	76.56
23 21 13 23-1501		**Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1502	LF	3/4" Galvanized Schedule 40 Grooved Pipe	20.26	8.14
23 21 13 23-1503	LF	1" Galvanized Schedule 40 Grooved Pipe	23.61	9.20
23 21 13 23-1504	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	26.46	9.94
23 21 13 23-1505	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	30.12	11.31
23 21 13 23-1506	LF	2" Galvanized Schedule 40 Grooved Pipe	38.04	14.38
23 21 13 23-1507	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	53.53	19.67
23 21 13 23-1508	LF	3" Galvanized Schedule 40 Grooved Pipe	64.04	22.42
23 21 13 23-1509	LF	4" Galvanized Schedule 40 Grooved Pipe	80.56	24.95
23 21 13 23-1510	LF	5" Galvanized Schedule 40 Grooved Pipe	115.73	30.34
23 21 13 23-1511	LF	6" Galvanized Schedule 40 Grooved Pipe	154.53	43.77
23 21 13 23-1512	LF	8" Galvanized Schedule 40 Grooved Pipe	209.83	49.59
23 21 13 23-1513	LF	10" Galvanized Schedule 40 Grooved Pipe	301.61	59.21
23 21 13 23-1514	LF	12" Galvanized Schedule 40 Grooved Pipe	357.32	67.98
23 21 13 23-1515		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1516	LF	3/4" Galvanized Schedule 80 Grooved Pipe	21.67	8.89
23 21 13 23-1517	LF	1" Galvanized Schedule 80 Grooved Pipe	29.39	9.41
23 21 13 23-1518	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	29.22	10.47
23 21 13 23-1519	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	38.84	12.47
23 21 13 23-1520	LF	2" Galvanized Schedule 80 Grooved Pipe	43.39	15.12
23 21 13 23-1521	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	61.79	20.83
23 21 13 23-1522	LF	3" Galvanized Schedule 80 Grooved Pipe	75.19	23.36
23 21 13 23-1523	LF	4" Galvanized Schedule 80 Grooved Pipe	96.77	25.48
23 21 13 23-1524	LF	5" Galvanized Schedule 80 Grooved Pipe	149.14	32.04
23 21 13 23-1525	LF	6" Galvanized Schedule 80 Grooved Pipe	190.99	45.89
23 21 13 23-1526	LF	8" Galvanized Schedule 80 Grooved Pipe	294.31	52.45
23 21 13 23-1527	LF	10" Galvanized Schedule 80 Grooved Pipe	349.80	63.34
23 21 13 23-1528	LF	12" Galvanized Schedule 80 Grooved Pipe	380.13	76.56

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1529		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)* Note: Couplings are not included with fittings.		
23 21 13 23-1530		**Grooved Elbows** *(23 21 13 23-1529)*		
23 21 13 23-1531		**90 Degree Grooved Elbows** *(23 21 13 23-1530)* Note: Victaulic No. 10		
23 21 13 23-1532	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	95.65	11.53
		For Galvanized Fittings, Add	*25.86*	
23 21 13 23-1533	EA	1", Ductile Iron, Grooved 90 Degree Elbow	95.65	11.53
		For Galvanized Fittings, Add	*25.86*	
23 21 13 23-1534	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	99.97	14.38
		For Galvanized Fittings, Add	*25.86*	
23 21 13 23-1535	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	104.54	17.45
		For Galvanized Fittings, Add	*25.86*	
23 21 13 23-1536	EA	2", Ductile Iron, Grooved 90 Degree Elbow	112.93	23.05
		For Galvanized Fittings, Add	*25.86*	
23 21 13 23-1537	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	120.46	28.13
		For Galvanized Fittings, Add	*25.86*	
23 21 13 23-1538	EA	3", Ductile Iron, Grooved 90 Degree Elbow	190.25	34.04
		For Galvanized Fittings, Add	*45.95*	
23 21 13 23-1539	EA	4", Ductile Iron, Grooved 90 Degree Elbow	219.00	44.93
		For Galvanized Fittings, Add	*50.04*	
23 21 13 23-1540	EA	5", Ductile Iron, Grooved 90 Degree Elbow	453.32	56.14
		For Galvanized Fittings, Add	*121.82*	
23 21 13 23-1541	EA	6", Ductile Iron, Grooved 90 Degree Elbow	539.14	73.48
		For Galvanized Fittings, Add	*141.57*	
23 21 13 23-1542	EA	8", Ductile Iron, Grooved 90 Degree Elbow	1,034.02	87.45
		For Galvanized Fittings, Add	*297.96*	
23 21 13 23-1543	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,559.70	102.03
		For Galvanized Fittings, Add	*464.22*	
23 21 13 23-1544	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,438.33	122.44
		For Galvanized Fittings, Add	*744.07*	
23 21 13 23-1545	EA	14", Steel, Grooved 90 Degree Elbow	4,896.35	138.19
		For Galvanized Fittings, Add	*1,547.41*	
23 21 13 23-1546	EA	16", Steel, Grooved 90 Degree Elbow	6,365.18	153.00
		For Galvanized Fittings, Add	*2,024.80*	
23 21 13 23-1547	EA	18", Steel, Grooved 90 Degree Elbow	8,032.51	167.16
		For Galvanized Fittings, Add	*2,568.04*	
23 21 13 23-1548	EA	20", Steel, Grooved 90 Degree Elbow	10,486.93	173.82
		For Galvanized Fittings, Add	*3,374.66*	
23 21 13 23-1549	EA	24", Steel, Grooved 90 Degree Elbow	15,023.91	205.55
		For Galvanized Fittings, Add	*4,856.22*	
23 21 13 23-1550		**45 Degree Grooved Elbows** *(23 21 13 23-1530)* Note: Victaulic No. 11		
23 21 13 23-1551	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	95.60	11.53
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1552	EA	1", Ductile Iron, Grooved 45 Degree Elbow	95.60	11.53
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1553	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	99.92	14.38
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1554	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	104.49	17.45
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1555	EA	2", Ductile Iron, Grooved 45 Degree Elbow	112.88	23.05
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1556	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	120.41	28.13
		For Galvanized Fittings, Add	*18.80*	
23 21 13 23-1557	EA	3", Ductile Iron, Grooved 45 Degree Elbow	190.20	34.04
		For Galvanized Fittings, Add	*33.40*	
23 21 13 23-1558	EA	4", Ductile Iron, Grooved 45 Degree Elbow	219.00	44.93
		For Galvanized Fittings, Add	*36.40*	
23 21 13 23-1559	EA	5", Ductile Iron, Grooved 45 Degree Elbow	453.32	56.14
		For Galvanized Fittings, Add	*88.59*	
23 21 13 23-1560	EA	6", Ductile Iron, Grooved 45 Degree Elbow	539.14	73.48
		For Galvanized Fittings, Add	*102.96*	
23 21 13 23-1561	EA	8", Ductile Iron, Grooved 45 Degree Elbow	1,034.02	87.45
		For Galvanized Fittings, Add	*216.70*	
23 21 13 23-1562	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,559.70	102.03
		For Galvanized Fittings, Add	*337.62*	
23 21 13 23-1563	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,438.33	122.44
		For Galvanized Fittings, Add	*541.14*	
23 21 13 23-1564	EA	14", Steel, Grooved 45 Degree Elbow	4,896.35	138.19
		For Galvanized Fittings, Add	*1,125.39*	
23 21 13 23-1565	EA	16", Steel, Grooved 45 Degree Elbow	6,365.18	153.00
		For Galvanized Fittings, Add	*1,472.58*	
23 21 13 23-1566	EA	18", Steel, Grooved 45 Degree Elbow	8,032.51	167.16
		For Galvanized Fittings, Add	*1,867.66*	
23 21 13 23-1567	EA	20", Steel, Grooved 45 Degree Elbow	10,487.40	174.15
		For Galvanized Fittings, Add	*2,454.30*	
23 21 13 23-1568	EA	24", Steel, Grooved 45 Degree Elbow	15,023.91	205.55
		For Galvanized Fittings, Add	*3,531.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1569		22-1/2 Degree Grooved Elbows *(23 21 13 23-1530)* Note: Victaulic No. 12		
23 21 13 23-1570	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	100.76	11.53
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1571	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	105.08	14.38
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1572	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	109.65	17.45
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1573	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	118.04	23.05
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1574	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	125.57	28.13
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1575	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	173.11	34.04
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-1576	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	231.06	44.93
		For Galvanized Fittings, Add	*39.29*	
23 21 13 23-1577	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	591.87	56.14
		For Galvanized Fittings, Add	*121.85*	
23 21 13 23-1578	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	573.93	73.48
		For Galvanized Fittings, Add	*111.31*	
23 21 13 23-1579	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	1,101.52	87.45
		For Galvanized Fittings, Add	*232.90*	
23 21 13 23-1580	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,485.22	102.03
		For Galvanized Fittings, Add	*319.74*	
23 21 13 23-1581	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,984.65	122.44
		For Galvanized Fittings, Add	*432.26*	
23 21 13 23-1582	EA	14", Steel, Grooved 22-1/2 Degree Elbow	2,287.53	138.19
		For Galvanized Fittings, Add	*499.27*	
23 21 13 23-1583	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,724.45	153.00
		For Galvanized Fittings, Add	*598.80*	
23 21 13 23-1584	EA	18", Steel, Grooved 22-1/2 Degree Elbow	3,272.24	167.16
		For Galvanized Fittings, Add	*725.20*	
23 21 13 23-1585	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,833.09	173.82
		For Galvanized Fittings, Add	*857.38*	
23 21 13 23-1586	EA	24", Steel, Grooved 22-1/2 Degree Elbow	5,108.63	205.55
		For Galvanized Fittings, Add	*1,152.13*	
23 21 13 23-1587		11-1/4 Degree Grooved Elbows *(23 21 13 23-1530)* Note: Victaulic No. 13		
23 21 13 23-1588	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	100.76	11.53
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1589	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	105.08	14.38
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1590	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	109.65	17.45
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1591	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	118.04	23.05
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1592	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	125.57	28.13
		For Galvanized Fittings, Add	*20.04*	
23 21 13 23-1593	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	173.11	34.04
		For Galvanized Fittings, Add	*29.30*	
23 21 13 23-1594	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	231.05	44.93
		For Galvanized Fittings, Add	*39.29*	
23 21 13 23-1595	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	591.84	56.14
		For Galvanized Fittings, Add	*121.84*	
23 21 13 23-1596	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	573.91	73.48
		For Galvanized Fittings, Add	*111.30*	
23 21 13 23-1597	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	1,101.46	87.45
		For Galvanized Fittings, Add	*232.88*	
23 21 13 23-1598	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,485.14	102.03
		For Galvanized Fittings, Add	*319.72*	
23 21 13 23-1599	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,984.55	122.44
		For Galvanized Fittings, Add	*432.24*	
23 21 13 23-1600	EA	14", Steel, Grooved 11-1/4 Degree Elbow	2,287.42	138.19
		For Galvanized Fittings, Add	*499.24*	
23 21 13 23-1601	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,724.35	153.10
		For Galvanized Fittings, Add	*598.77*	
23 21 13 23-1602	EA	18", Steel, Grooved 11-1/4 Degree Elbow	3,272.04	167.16
		For Galvanized Fittings, Add	*725.16*	
23 21 13 23-1603	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,832.89	173.82
		For Galvanized Fittings, Add	*857.33*	
23 21 13 23-1604	EA	24", Steel, Grooved 11-1/4 Degree Elbow	5,108.37	205.55
		For Galvanized Fittings, Add	*1,152.07*	
23 21 13 23-1605		90 Degree Grooved Long Radius Elbows *(23 21 13 23-1530)* Note: Victaulic No. 100		
23 21 13 23-1606	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	213.74	23.05
		For Galvanized Fittings, Add	*43.00*	
23 21 13 23-1607	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	562.00	28.13
		For Galvanized Fittings, Add	*124.78*	
23 21 13 23-1608	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	230.20	34.04
		For Galvanized Fittings, Add	*43.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1609	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	335.76	44.93
		For Galvanized Fittings, Add	*64.42*	
23 21 13 23-1610	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,459.93	56.14
		For Galvanized Fittings, Add	*330.18*	
23 21 13 23-1611	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	895.34	73.48
		For Galvanized Fittings, Add	*188.45*	
23 21 13 23-1612	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	2,014.55	87.45
		For Galvanized Fittings, Add	*452.02*	
23 21 13 23-1613	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,058.11	102.03
		For Galvanized Fittings, Add	*937.23*	
23 21 13 23-1614	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,840.44	122.44
		For Galvanized Fittings, Add	*1,117.65*	

23 21 13 23-1615 Grooved Tees, Wyes And Crosses *(23 21 13 23-1529)*

23 21 13 23-1616 Grooved Tees *(23 21 13 23-1615)*

Note: Victaulic No. 20

23 21 13 23-1617	EA	3/4", Ductile Iron, Grooved Tee	142.49	15.12
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1618	EA	1", Ductile Iron, Grooved Tee	145.93	17.45
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1619	EA	1-1/4", Ductile Iron, Grooved Tee	151.76	21.36
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1620	EA	1-1/2", Ductile Iron, Grooved Tee	159.03	26.22
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1621	EA	2", Ductile Iron, Grooved Tee	170.58	33.94
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1622	EA	2-1/2", Ductile Iron, Grooved Tee	182.12	41.56
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1623	EA	3", Ductile Iron, Grooved Tee	244.29	51.07
		For Galvanized Fittings, Add	*50.33*	
23 21 13 23-1624	EA	4", Ductile Iron, Grooved Tee	356.38	66.09
		For Galvanized Fittings, Add	*77.20*	
23 21 13 23-1625	EA	5", Ductile Iron, Grooved Tee	733.28	86.39
		For Galvanized Fittings, Add	*181.13*	
23 21 13 23-1626	EA	6", Ductile Iron, Grooved Tee	859.76	108.06
		For Galvanized Fittings, Add	*209.34*	
23 21 13 23-1627	EA	8", Ductile Iron, Grooved Tee	1,720.91	131.22
		For Galvanized Fittings, Add	*457.27*	
23 21 13 23-1628	EA	10", Ductile Iron, Grooved Tee	2,951.31	153.00
		For Galvanized Fittings, Add	*816.56*	
23 21 13 23-1629	EA	12", Ductile Iron, Grooved Tee	4,085.94	183.66
		For Galvanized Fittings, Add	*1,143.18*	
23 21 13 23-1630	EA	14", Steel, Grooved Tee	4,462.96	204.07
		For Galvanized Fittings, Add	*1,247.11*	
23 21 13 23-1631	EA	16", Steel, Grooved Tee	5,602.94	205.22
		For Galvanized Fittings, Add	*1,588.58*	
23 21 13 23-1632	EA	18", Steel, Grooved Tee	6,970.81	226.37
		For Galvanized Fittings, Add	*1,989.43*	
23 21 13 23-1633	EA	20", Steel, Grooved Tee	9,846.49	229.97
		For Galvanized Fittings, Add	*2,850.53*	
23 21 13 23-1634	EA	24", Steel, Grooved Tee	15,022.68	282.52
		For Galvanized Fittings, Add	*4,379.72*	

23 21 13 23-1635 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1615)*

Note: Victaulic No. 33

23 21 13 23-1636	EA	1", Steel, Grooved Wye	531.48	17.45
		For Galvanized Fittings, Add	*80.85*	
23 21 13 23-1637	EA	1-1/4", Steel, Grooved Wye	537.31	21.36
		For Galvanized Fittings, Add	*80.85*	
23 21 13 23-1638	EA	1-1/2", Steel, Grooved Wye	544.58	26.22
		For Galvanized Fittings, Add	*80.85*	
23 21 13 23-1639	EA	2", Steel, Grooved Wye	556.13	33.94
		For Galvanized Fittings, Add	*80.85*	
23 21 13 23-1640	EA	2-1/2", Steel, Grooved Wye	567.67	41.56
		For Galvanized Fittings, Add	*80.85*	
23 21 13 23-1641	EA	3", Steel, Grooved Wye	680.54	51.07
		For Galvanized Fittings, Add	*96.64*	
23 21 13 23-1642	EA	4", Steel, Grooved Wye	890.19	66.09
		For Galvanized Fittings, Add	*126.58*	
23 21 13 23-1643	EA	5", Steel, Grooved Wye	1,263.53	86.39
		For Galvanized Fittings, Add	*181.44*	
23 21 13 23-1644	EA	6", Steel, Grooved Wye	1,565.06	108.06
		For Galvanized Fittings, Add	*224.49*	
23 21 13 23-1645	EA	8", Steel, Grooved Wye	2,217.51	131.22
		For Galvanized Fittings, Add	*323.33*	
23 21 13 23-1646	EA	10", Steel, Grooved Wye	3,717.39	153.00
		For Galvanized Fittings, Add	*558.07*	
23 21 13 23-1647	EA	12", Steel, Grooved Wye	4,128.70	183.66
		For Galvanized Fittings, Add	*616.54*	
23 21 13 23-1648	EA	14", Steel, Grooved Wye	4,706.05	204.07
		For Galvanized Fittings, Add	*704.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1649	EA	16", Steel, Grooved Wye	6,022.54	205.01
		For Galvanized Fittings, Add	*914.43*	
23 21 13 23-1650	EA	18", Steel, Grooved Wye	6,877.24	226.58
		For Galvanized Fittings, Add	*1,046.00*	
23 21 13 23-1651	EA	20", Steel, Grooved Wye	9,825.76	229.54
		For Galvanized Fittings, Add	*1,517.05*	
23 21 13 23-1652	EA	24", Steel, Grooved Wye	15,164.81	282.52
		For Galvanized Fittings, Add	*2,358.59*	
23 21 13 23-1653		**Grooved Crosses** *(23 21 13 23-1615)*		
		Note: Victaulic No. 35		
23 21 13 23-1654	EA	3/4", Steel, Grooved Cross	361.25	22.73
		For Galvanized Fittings, Add	*49.07*	
23 21 13 23-1655	EA	1", Steel, Grooved Cross	366.42	26.22
		For Galvanized Fittings, Add	*49.07*	
23 21 13 23-1656	EA	1-1/4", Steel, Grooved Cross	442.84	32.04
		For Galvanized Fittings, Add	*59.23*	
23 21 13 23-1657	EA	1-1/2", Steel, Grooved Cross	484.36	39.33
		For Galvanized Fittings, Add	*63.82*	
23 21 13 23-1658	EA	2", Steel, Grooved Cross	316.67	50.86
		For Galvanized Fittings, Add	*36.07*	
23 21 13 23-1659	EA	2-1/2", Steel, Grooved Cross	333.99	62.38
		For Galvanized Fittings, Add	*36.07*	
23 21 13 23-1660	EA	3", Steel, Grooved Cross	546.87	76.56
		For Galvanized Fittings, Add	*64.81*	
23 21 13 23-1661	EA	4", Steel, Grooved Cross	867.79	99.07
		For Galvanized Fittings, Add	*107.88*	
23 21 13 23-1662	EA	5", Steel, Grooved Cross	1,663.60	129.53
		For Galvanized Fittings, Add	*220.40*	
23 21 13 23-1663	EA	6", Steel, Grooved Cross	2,133.41	162.09
		For Galvanized Fittings, Add	*283.57*	
23 21 13 23-1664	EA	8", Steel, Grooved Cross	2,784.75	196.77
		For Galvanized Fittings, Add	*373.46*	
23 21 13 23-1665	EA	10", Steel, Grooved Cross	4,590.55	229.54
		For Galvanized Fittings, Add	*636.96*	
23 21 13 23-1666	EA	12", Steel, Grooved Cross	6,540.87	275.54
		For Galvanized Fittings, Add	*919.18*	
23 21 13 23-1667	EA	14", Steel, Grooved Cross	6,807.67	306.10
		For Galvanized Fittings, Add	*952.31*	
23 21 13 23-1668	EA	16", Steel, Grooved Cross	8,766.76	307.89
		For Galvanized Fittings, Add	*1,245.78*	
23 21 13 23-1669	EA	18", Steel, Grooved Cross	10,689.24	339.51
		For Galvanized Fittings, Add	*1,527.03*	
23 21 13 23-1670	EA	20", Steel, Grooved Cross	14,939.49	344.80
		For Galvanized Fittings, Add	*2,163.38*	
23 21 13 23-1671	EA	24", Steel, Grooved Cross	22,900.56	423.78
		For Galvanized Fittings, Add	*3,339.77*	
23 21 13 23-1672		**Grooved Reducing Tees** *(23 21 13 23-1615)*		
		Note: Victaulic No. 25		
23 21 13 23-1673	EA	1", Steel, Grooved Reducing Tee	257.25	17.45
		For Galvanized Fittings, Add	*46.22*	
23 21 13 23-1674	EA	1-1/4", Steel, Grooved Reducing Tee	270.34	21.36
		For Galvanized Fittings, Add	*47.67*	
23 21 13 23-1675	EA	1-1/2", Steel, Grooved Reducing Tee	283.55	26.22
		For Galvanized Fittings, Add	*48.86*	
23 21 13 23-1676	EA	2", Steel, Grooved Reducing Tee	336.80	33.94
		For Galvanized Fittings, Add	*57.20*	
23 21 13 23-1677	EA	2-1/2", Steel, Grooved Reducing Tee	377.76	41.56
		For Galvanized Fittings, Add	*63.08*	
23 21 13 23-1678	EA	3", Steel, Grooved Reducing Tee	421.75	51.07
		For Galvanized Fittings, Add	*69.05*	
23 21 13 23-1679	EA	4", Steel, Grooved Reducing Tee	564.63	66.09
		For Galvanized Fittings, Add	*93.12*	
23 21 13 23-1680	EA	5", Steel, Grooved Reducing Tee	744.30	86.39
		For Galvanized Fittings, Add	*122.96*	
23 21 13 23-1681	EA	6", Steel, Grooved Reducing Tee	1,026.81	108.06
		For Galvanized Fittings, Add	*172.97*	
23 21 13 23-1682	EA	8", Steel, Grooved Reducing Tee	1,623.65	131.22
		For Galvanized Fittings, Add	*285.40*	
23 21 13 23-1683	EA	10", Steel, Grooved Reducing Tee	2,333.12	153.00
		For Galvanized Fittings, Add	*420.73*	
23 21 13 23-1684	EA	12", Steel, Grooved Reducing Tee	3,378.59	183.66
		For Galvanized Fittings, Add	*620.65*	
23 21 13 23-1685	EA	14", Steel, Grooved Reducing Tee	3,830.57	204.07
		For Galvanized Fittings, Add	*704.93*	
23 21 13 23-1686	EA	16", Steel, Grooved Reducing Tee	4,886.12	205.22
		For Galvanized Fittings, Add	*915.68*	
23 21 13 23-1687	EA	18", Steel, Grooved Reducing Tee	5,944.44	226.37
		For Galvanized Fittings, Add	*1,121.02*	
23 21 13 23-1688	EA	20", Steel, Grooved Reducing Tee	8,360.96	229.87
		For Galvanized Fittings, Add	*1,603.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1689	EA	24", Steel, Grooved Reducing Tee	13,336.25	282.52
		For Galvanized Fittings, Add	*2,582.53*	
23 21 13 23-1690		**Grooved 45 Degree Lateral Wyes** *(23 21 13 23-1615)*		
		Note: Victaulic No. 30		
23 21 13 23-1691	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	501.26	15.12
		For Galvanized Fittings, Add	*86.14*	
23 21 13 23-1692	EA	1", Steel, Grooved, 45 Degree Lateral Wye	504.70	17.45
		For Galvanized Fittings, Add	*86.14*	
23 21 13 23-1693	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	510.53	21.36
		For Galvanized Fittings, Add	*86.14*	
23 21 13 23-1694	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	517.80	26.22
		For Galvanized Fittings, Add	*86.14*	
23 21 13 23-1695	EA	2", Steel, Grooved, 45 Degree Lateral Wye	529.35	33.94
		For Galvanized Fittings, Add	*86.14*	
23 21 13 23-1696	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	540.89	41.56
		For Galvanized Fittings, Add	*86.14*	
23 21 13 23-1697	EA	3", Steel, Grooved, 45 Degree Lateral Wye	489.93	51.07
		For Galvanized Fittings, Add	*74.41*	
23 21 13 23-1698	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	788.64	58.89
		For Galvanized Fittings, Add	*126.07*	
23 21 13 23-1699	EA	4", Steel, Grooved, 45 Degree Lateral Wye	914.34	66.09
		For Galvanized Fittings, Add	*146.75*	
23 21 13 23-1700	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,321.05	86.39
		For Galvanized Fittings, Add	*214.48*	
23 21 13 23-1701	EA	6", Steel, Grooved, 45 Degree Lateral Wye	2,081.74	108.06
		For Galvanized Fittings, Add	*345.56*	
23 21 13 23-1702	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,961.84	131.22
		For Galvanized Fittings, Add	*497.73*	
23 21 13 23-1703	EA	10", Steel, Grooved, 45 Degree Lateral Wye	4,132.43	153.00
		For Galvanized Fittings, Add	*702.54*	
23 21 13 23-1704	EA	12", Steel, Grooved, 45 Degree Lateral Wye	4,994.22	183.66
		For Galvanized Fittings, Add	*849.40*	
23 21 13 23-1705	EA	14", Steel, Grooved, 45 Degree Lateral Wye	7,193.45	204.07
		For Galvanized Fittings, Add	*1,239.75*	
23 21 13 23-1706	EA	16", Steel, Grooved, 45 Degree Lateral Wye	8,912.07	205.22
		For Galvanized Fittings, Add	*1,548.78*	
23 21 13 23-1707	EA	18", Steel, Grooved, 45 Degree Lateral Wye	9,957.94	226.37
		For Galvanized Fittings, Add	*1,731.35*	
23 21 13 23-1708	EA	20", Steel, Grooved, 45 Degree Lateral Wye	14,934.47	229.87
		For Galvanized Fittings, Add	*2,626.17*	
23 21 13 23-1709	EA	24", Steel, Grooved, 45 Degree Lateral Wye	23,095.13	282.52
		For Galvanized Fittings, Add	*4,080.87*	
23 21 13 23-1710		**Grooved 45 Degree Lateral Reducing Wyes** *(23 21 13 23-1615)*		
		Note: Victaulic No. 30R		
23 21 13 23-1711	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	489.93	51.07
		For Galvanized Fittings, Add	*53.74*	
23 21 13 23-1712	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	914.34	66.09
		For Galvanized Fittings, Add	*105.99*	
23 21 13 23-1713	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,321.05	86.39
		For Galvanized Fittings, Add	*154.90*	
23 21 13 23-1714	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,701.43	108.06
		For Galvanized Fittings, Add	*200.13*	
23 21 13 23-1715	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,419.03	131.22
		For Galvanized Fittings, Add	*288.91*	
23 21 13 23-1716	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,951.21	153.00
		For Galvanized Fittings, Add	*353.83*	
23 21 13 23-1717	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,582.95	183.66
		For Galvanized Fittings, Add	*429.99*	
23 21 13 23-1718	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	4,011.29	204.07
		For Galvanized Fittings, Add	*481.70*	
23 21 13 23-1719	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	5,097.22	205.22
		For Galvanized Fittings, Add	*622.64*	
23 21 13 23-1720	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	7,693.61	226.37
		For Galvanized Fittings, Add	*956.06*	
23 21 13 23-1721	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	11,109.38	229.87
		For Galvanized Fittings, Add	*1,399.42*	
23 21 13 23-1722	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	17,852.14	282.52
		For Galvanized Fittings, Add	*2,265.71*	
23 21 13 23-1723		**Mechanical-T Outlet** *(23 21 13 23-1615)*		
		Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1724	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	155.71	38.06
		For Galvanized Fittings, Add	*19.74*	
23 21 13 23-1725	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	155.71	38.06
		For Galvanized Fittings, Add	*19.74*	
23 21 13 23-1726	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	168.13	38.06
		For Galvanized Fittings, Add	*22.82*	
23 21 13 23-1727	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	168.13	38.06
23 21 13 23-1728	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	165.22	42.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1729	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	165.22	42.83
23 21 13 23-1730	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	198.02	42.83
23 21 13 23-1731	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	186.80	47.58
23 21 13 23-1732	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	186.80	47.58
23 21 13 23-1733	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	213.21	47.58
23 21 13 23-1734	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	213.21	47.58
23 21 13 23-1735	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	231.29	47.58
23 21 13 23-1736	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	243.72	63.44
23 21 13 23-1737	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	243.72	63.44
23 21 13 23-1738	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	264.34	63.44
23 21 13 23-1739	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	270.13	63.44
23 21 13 23-1740	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	270.13	63.44
23 21 13 23-1741	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	275.91	63.44
23 21 13 23-1742	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	287.01	63.44
23 21 13 23-1743	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	350.38	87.23
23 21 13 23-1744	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	350.38	87.23
23 21 13 23-1745	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	360.39	87.23
23 21 13 23-1746	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	372.93	87.23
23 21 13 23-1747	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	402.06	111.02
23 21 13 23-1748	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	402.06	111.02
23 21 13 23-1749	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	416.77	111.02
23 21 13 23-1750	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	429.19	111.02
23 21 13 23-1751	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	451.26	111.02
23 21 13 23-1752	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	612.51	146.96
23 21 13 23-1753	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	612.51	146.96
23 21 13 23-1754	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	630.23	146.96
23 21 13 23-1755	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	640.72	146.96
23 21 13 23-1756		Installation-Ready™ Grooved Fittings *(23 21 13 23-1529)*		
23 21 13 23-1757		Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1756)*		
		Note: Victaulic No. 101		
23 21 13 23-1758	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	263.38	10.47
		For Galvanized Fittings, Add	*81.68*	
		For Galvanized Fittings, Add	*63.37*	
23 21 13 23-1759	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	273.83	12.56
		For Galvanized Fittings, Add	*84.08*	
		For Galvanized Fittings, Add	*65.23*	
23 21 13 23-1760	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	282.00	16.74
		For Galvanized Fittings, Add	*84.68*	
		For Galvanized Fittings, Add	*65.69*	
23 21 13 23-1761	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	341.12	20.93
		For Galvanized Fittings, Add	*102.10*	
		For Galvanized Fittings, Add	*79.21*	
23 21 13 23-1762		Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1756)*		
		Note: Victaulic No. 103		
23 21 13 23-1763	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	263.38	10.47
		For Galvanized Fittings, Add	*59.40*	
		For Galvanized Fittings, Add	*63.37*	
23 21 13 23-1764	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	273.83	12.56
		For Galvanized Fittings, Add	*61.15*	
		For Galvanized Fittings, Add	*65.23*	
23 21 13 23-1765	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	282.00	16.74
		For Galvanized Fittings, Add	*61.59*	
		For Galvanized Fittings, Add	*65.69*	
23 21 13 23-1766	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	341.12	20.93
		For Galvanized Fittings, Add	*74.26*	
		For Galvanized Fittings, Add	*79.21*	
23 21 13 23-1767		Installation-Ready™ Grooved Tees *(23 21 13 23-1756)*		
		Note: Victaulic No. 102		
23 21 13 23-1768	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	403.35	13.95
		For Galvanized Fittings, Add	*114.66*	
		For Galvanized Fittings, Add	*97.84*	
23 21 13 23-1769	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	420.32	16.74
		For Galvanized Fittings, Add	*118.48*	
		For Galvanized Fittings, Add	*101.10*	
23 21 13 23-1770	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	434.23	22.33
		For Galvanized Fittings, Add	*120.12*	
		For Galvanized Fittings, Add	*102.50*	
23 21 13 23-1771	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	504.56	27.92
		For Galvanized Fittings, Add	*138.68*	
		For Galvanized Fittings, Add	*118.34*	
23 21 13 23-1772		Grooved Fittings *(23 21 13 23-1529)*		
23 21 13 23-1773		Flanged Adapter Nipple, Grooved *(23 21 13 23-1772)*		
		Note: Victaulic No. 41 and 45		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1774	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	355.80	12.68
		For Galvanized Fittings, Add	*60.62*	
		For 300 LB Rating, Add	*50.52*	
23 21 13 23-1775	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	357.92	14.06
		For Galvanized Fittings, Add	*60.62*	
		For 300 LB Rating, Add	*50.52*	
23 21 13 23-1776	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	363.21	17.66
		For Galvanized Fittings, Add	*60.62*	
		For 300 LB Rating, Add	*50.52*	
23 21 13 23-1777	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	374.33	25.05
		For Galvanized Fittings, Add	*60.62*	
		For 300 LB Rating, Add	*50.52*	
23 21 13 23-1778	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	382.28	30.34
		For Galvanized Fittings, Add	*60.62*	
		For 300 LB Rating, Add	*50.52*	
23 21 13 23-1779	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	485.23	36.27
		For Galvanized Fittings, Add	*77.57*	
		For 300 LB Rating, Add	*64.64*	
23 21 13 23-1780	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	587.11	48.85
		For Galvanized Fittings, Add	*92.50*	
		For 300 LB Rating, Add	*77.09*	
23 21 13 23-1781	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	822.96	59.11
		For Galvanized Fittings, Add	*132.18*	
		For 300 LB Rating, Add	*110.15*	
23 21 13 23-1782	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	957.56	79.83
		For Galvanized Fittings, Add	*150.81*	
		For 300 LB Rating, Add	*125.68*	
23 21 13 23-1783	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,318.48	108.06
		For Galvanized Fittings, Add	*208.17*	
		For 300 LB Rating, Add	*173.48*	
23 21 13 23-1784	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,083.93	131.22
		For Galvanized Fittings, Add	*339.71*	
		For 300 LB Rating, Add	*283.09*	
23 21 13 23-1785	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,809.93	153.00
		For Galvanized Fittings, Add	*464.49*	
		For 300 LB Rating, Add	*387.07*	
23 21 13 23-1786	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,318.42	183.66
		For Galvanized Fittings, Add	*547.75*	
		For 300 LB Rating, Add	*456.46*	
23 21 13 23-1787	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,992.34	204.07
		For Galvanized Fittings, Add	*843.55*	
		For 300 LB Rating, Add	*702.96*	
23 21 13 23-1788	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,963.47	306.10
		For Galvanized Fittings, Add	*990.82*	
		For 300 LB Rating, Add	*825.68*	
23 21 13 23-1789	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	6,288.23	367.32
		For Galvanized Fittings, Add	*1,032.76*	
		For 300 LB Rating, Add	*860.63*	
23 21 13 23-1790	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	10,509.85	408.13
		For Galvanized Fittings, Add	*1,781.63*	
		For 300 LB Rating, Add	*1,484.70*	

23 21 13 23-1791 Grooved Concentric Reducers *(23 21 13 23-1772)*

Note: Victaulic No. 50

23 21 13 23-1792	EA	1-1/4" x 3/4", Grooved Concentric Reducer	378.23	12.68
		For Galvanized Fittings, Add	*15.80*	
23 21 13 23-1793	EA	1-1/4" x 1", Grooved Concentric Reducer	395.48	13.43
		For Galvanized Fittings, Add	*16.52*	
23 21 13 23-1794	EA	1-1/2" x 3/4", Grooved Concentric Reducer	445.64	14.49
		For Galvanized Fittings, Add	*50.96*	
23 21 13 23-1795	EA	1-1/2" x 1", Grooved Concentric Reducer	113.52	15.12
		For Galvanized Fittings, Add	*10.91*	
23 21 13 23-1796	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	375.19	15.86
		For Galvanized Fittings, Add	*42.24*	
23 21 13 23-1797	EA	2" x 3/4", Grooved Concentric Reducer	116.69	17.24
		For Galvanized Fittings, Add	*10.91*	
23 21 13 23-1798	EA	2" x 1", Grooved Concentric Reducer	117.75	17.97
		For Galvanized Fittings, Add	*10.91*	
23 21 13 23-1799	EA	2" x 1-1/4", Grooved Concentric Reducer	127.92	18.72
		For Galvanized Fittings, Add	*12.01*	
23 21 13 23-1800	EA	2" x 1-1/2", Grooved Concentric Reducer	122.04	20.83
		For Galvanized Fittings, Add	*10.91*	
23 21 13 23-1801	EA	2-1/2" x 3/4", Grooved Concentric Reducer	768.08	19.45
		For Galvanized Fittings, Add	*88.82*	
23 21 13 23-1802	EA	2-1/2" x 1", Grooved Concentric Reducer	609.85	20.20
		For Galvanized Fittings, Add	*69.67*	
23 21 13 23-1803	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	555.96	20.83
		For Galvanized Fittings, Add	*63.07*	
23 21 13 23-1804	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	125.15	22.94
		For Galvanized Fittings, Add	*10.91*	
23 21 13 23-1805	EA	2-1/2" x 2", Grooved Concentric Reducer	129.37	25.69
		For Galvanized Fittings, Add	*10.91*	
23 21 13 23-1806	EA	3" x 3/4", Grooved Concentric Reducer	777.58	22.63
		For Galvanized Fittings, Add	*113.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1807	EA	3" x 1", Grooved Concentric Reducer	135.11	23.26
		For Galvanized Fittings, Add	*15.24*	
23 21 13 23-1808	EA	3" x 1-1/4", Grooved Concentric Reducer	611.96	24.00
		For Galvanized Fittings, Add	*87.56*	
23 21 13 23-1809	EA	3" x 1-1/2", Grooved Concentric Reducer	573.84	25.69
		For Galvanized Fittings, Add	*81.36*	
23 21 13 23-1810	EA	3" x 2", Grooved Concentric Reducer	122.46	28.55
		For Galvanized Fittings, Add	*12.11*	
23 21 13 23-1811	EA	3" x 2-1/2", Grooved Concentric Reducer	160.76	34.04
		For Galvanized Fittings, Add	*16.68*	
23 21 13 23-1812	EA	3-1/2" x 3", Grooved Concentric Reducer	171.91	36.69
		For Galvanized Fittings, Add	*17.77*	
23 21 13 23-1813	EA	4" x 1", Grooved Concentric Reducer	163.88	28.86
		For Galvanized Fittings, Add	*20.67*	
23 21 13 23-1814	EA	4" x 1-1/4", Grooved Concentric Reducer	997.26	29.61
		For Galvanized Fittings, Add	*163.42*	
23 21 13 23-1815	EA	4" x 1-1/2", Grooved Concentric Reducer	775.53	31.40
		For Galvanized Fittings, Add	*124.93*	
23 21 13 23-1816	EA	4" x 2", Grooved Concentric Reducer	157.31	34.25
		For Galvanized Fittings, Add	*18.18*	
23 21 13 23-1817	EA	4" x 2-1/2", Grooved Concentric Reducer	187.88	36.69
		For Galvanized Fittings, Add	*22.79*	
23 21 13 23-1818	EA	4" x 3", Grooved Concentric Reducer	192.11	39.54
		For Galvanized Fittings, Add	*22.79*	
23 21 13 23-1819	EA	4" x 3-1/2", Grooved Concentric Reducer	196.34	42.29
		For Galvanized Fittings, Add	*22.79*	
23 21 13 23-1820	EA	5" x 2", Grooved Concentric Reducer	1,400.72	39.86
		For Galvanized Fittings, Add	*229.98*	
23 21 13 23-1821	EA	5" x 2-1/2", Grooved Concentric Reducer	1,103.87	42.29
		For Galvanized Fittings, Add	*178.43*	
23 21 13 23-1822	EA	5" x 3", Grooved Concentric Reducer	223.22	45.14
		For Galvanized Fittings, Add	*26.68*	
23 21 13 23-1823	EA	5" x 4", Grooved Concentric Reducer	261.91	50.75
		For Galvanized Fittings, Add	*31.86*	
23 21 13 23-1824	EA	6" x 1", Grooved Concentric Reducer	311.57	43.04
		For Galvanized Fittings, Add	*46.10*	
23 21 13 23-1825	EA	6" x 1-1/2", Grooved Concentric Reducer	1,478.12	45.47
		For Galvanized Fittings, Add	*263.09*	
23 21 13 23-1826	EA	6" x 2", Grooved Concentric Reducer	319.48	48.32
		For Galvanized Fittings, Add	*46.10*	
23 21 13 23-1827	EA	6" x 2-1/2", Grooved Concentric Reducer	1,494.10	50.75
		For Galvanized Fittings, Add	*264.59*	
23 21 13 23-1828	EA	6" x 3", Grooved Concentric Reducer	327.43	53.61
		For Galvanized Fittings, Add	*46.10*	
23 21 13 23-1829	EA	6" x 4", Grooved Concentric Reducer	303.99	59.21
		For Galvanized Fittings, Add	*40.15*	
23 21 13 23-1830	EA	6" x 5", Grooved Concentric Reducer	415.59	64.92
		For Galvanized Fittings, Add	*59.39*	
23 21 13 23-1831	EA	8" x 3", Grooved Concentric Reducer	532.40	60.69
		For Galvanized Fittings, Add	*82.38*	
23 21 13 23-1832	EA	8" x 4", Grooved Concentric Reducer	540.84	66.30
		For Galvanized Fittings, Add	*82.38*	
23 21 13 23-1833	EA	8" x 5", Grooved Concentric Reducer	549.32	71.90
		For Galvanized Fittings, Add	*82.38*	
23 21 13 23-1834	EA	8" x 6", Grooved Concentric Reducer	683.49	80.35
		For Galvanized Fittings, Add	*105.05*	
23 21 13 23-1835	EA	10" x 4", Grooved Concentric Reducer	1,161.60	73.69
		For Galvanized Fittings, Add	*196.13*	
23 21 13 23-1836	EA	10" x 5", Grooved Concentric Reducer	2,435.94	79.30
		For Galvanized Fittings, Add	*432.35*	
23 21 13 23-1837	EA	10" x 6", Grooved Concentric Reducer	1,281.08	87.76
		For Galvanized Fittings, Add	*214.49*	
23 21 13 23-1838	EA	10" x 8", Grooved Concentric Reducer	1,291.63	94.84
		For Galvanized Fittings, Add	*214.49*	
23 21 13 23-1839	EA	12" x 4", Grooved Concentric Reducer	3,605.30	83.95
		For Galvanized Fittings, Add	*521.92*	
23 21 13 23-1840	EA	12" x 6", Grooved Concentric Reducer	1,517.88	98.01
		For Galvanized Fittings, Add	*205.64*	
23 21 13 23-1841	EA	12" x 8", Grooved Concentric Reducer	2,216.90	105.10
		For Galvanized Fittings, Add	*308.91*	
23 21 13 23-1842	EA	12" x 10", Grooved Concentric Reducer	2,228.06	112.50
		For Galvanized Fittings, Add	*308.91*	
23 21 13 23-1843	EA	14" x 6", Grooved Concentric Reducer	7,145.79	105.63
		For Galvanized Fittings, Add	*214.51*	
23 21 13 23-1844	EA	14" x 8", Grooved Concentric Reducer	4,270.36	112.71
		For Galvanized Fittings, Add	*125.91*	
23 21 13 23-1845	EA	14" x 10", Grooved Concentric Reducer	3,643.00	120.12
		For Galvanized Fittings, Add	*106.31*	
23 21 13 23-1846	EA	14" x 12", Grooved Concentric Reducer	3,658.31	130.26
		For Galvanized Fittings, Add	*106.31*	
23 21 13 23-1847	EA	16" x 8", Grooved Concentric Reducer	6,499.46	120.22
		For Galvanized Fittings, Add	*194.00*	
23 21 13 23-1848	EA	16" x 10", Grooved Concentric Reducer	6,033.81	127.62
		For Galvanized Fittings, Add	*179.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1849	EA	16" x 12", Grooved Concentric Reducer	5,581.83	137.88
		For Galvanized Fittings, Add	*165.02*	
23 21 13 23-1850	EA	16" x 14", Grooved Concentric Reducer	5,593.25	145.48
		For Galvanized Fittings, Add	*165.02*	
23 21 13 23-1851	EA	18" x 10", Grooved Concentric Reducer	8,451.87	134.70
		For Galvanized Fittings, Add	*253.27*	
23 21 13 23-1852	EA	18" x 12", Grooved Concentric Reducer	7,655.80	144.86
		For Galvanized Fittings, Add	*228.37*	
23 21 13 23-1853	EA	18" x 14", Grooved Concentric Reducer	6,962.77	152.47
		For Galvanized Fittings, Add	*206.74*	
23 21 13 23-1854	EA	18" x 16", Grooved Concentric Reducer	6,974.19	160.18
		For Galvanized Fittings, Add	*206.74*	
23 21 13 23-1855	EA	20" x 10", Grooved Concentric Reducer	9,301.31	138.19
		For Galvanized Fittings, Add	*279.19*	
23 21 13 23-1856	EA	20" x 12", Grooved Concentric Reducer	7,975.92	148.45
		For Galvanized Fittings, Add	*238.03*	
23 21 13 23-1857	EA	20" x 14", Grooved Concentric Reducer	7,987.35	156.06
		For Galvanized Fittings, Add	*238.03*	
23 21 13 23-1858	EA	20" x 16", Grooved Concentric Reducer	7,123.84	163.57
		For Galvanized Fittings, Add	*211.17*	
23 21 13 23-1859	EA	20" x 18", Grooved Concentric Reducer	7,591.11	170.65
		For Galvanized Fittings, Add	*225.19*	
23 21 13 23-1860	EA	24" x 10", Grooved Concentric Reducer	20,495.51	153.73
		For Galvanized Fittings, Add	*622.14*	
23 21 13 23-1861	EA	24" x 12", Grooved Concentric Reducer	20,021.52	163.99
		For Galvanized Fittings, Add	*607.11*	
23 21 13 23-1862	EA	24" x 14", Grooved Concentric Reducer	17,450.59	171.50
		For Galvanized Fittings, Add	*527.84*	
23 21 13 23-1863	EA	24" x 16", Grooved Concentric Reducer	17,462.09	179.21
		For Galvanized Fittings, Add	*527.84*	
23 21 13 23-1864	EA	24" x 18", Grooved Concentric Reducer	14,954.72	186.19
		For Galvanized Fittings, Add	*450.54*	
23 21 13 23-1865	EA	24" x 20", Grooved Concentric Reducer	13,660.17	189.79
		For Galvanized Fittings, Add	*410.63*	

23 21 13 23-1866 Grooved Eccentric Reducers *(23 21 13 23-1772)*

Note: Victaulic No. 51

23 21 13 23-1867	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	460.27	14.49
		For Galvanized Fittings, Add	*52.72*	
23 21 13 23-1868	EA	1-1/2" x 1", Grooved Eccentric Reducer	418.63	15.12
		For Galvanized Fittings, Add	*47.59*	
23 21 13 23-1869	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	411.05	15.86
		For Galvanized Fittings, Add	*46.55*	
23 21 13 23-1870	EA	2" x 3/4", Grooved Eccentric Reducer	878.14	17.24
		For Galvanized Fittings, Add	*102.44*	
23 21 13 23-1871	EA	2" x 1", Grooved Eccentric Reducer	464.12	17.97
		For Galvanized Fittings, Add	*52.55*	
23 21 13 23-1872	EA	2" x 1-1/4", Grooved Eccentric Reducer	507.27	18.72
		For Galvanized Fittings, Add	*57.61*	
23 21 13 23-1873	EA	2" x 1-1/2", Grooved Eccentric Reducer	432.43	20.83
		For Galvanized Fittings, Add	*48.22*	
23 21 13 23-1874	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	1,141.67	19.45
		For Galvanized Fittings, Add	*133.72*	
23 21 13 23-1875	EA	2-1/2" x 1", Grooved Eccentric Reducer	1,066.67	20.20
		For Galvanized Fittings, Add	*124.58*	
23 21 13 23-1876	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	633.19	20.83
		For Galvanized Fittings, Add	*72.35*	
23 21 13 23-1877	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	511.33	22.94
		For Galvanized Fittings, Add	*57.33*	
23 21 13 23-1878	EA	2-1/2" x 2", Grooved Eccentric Reducer	230.71	25.69
		For Galvanized Fittings, Add	*23.09*	
23 21 13 23-1879	EA	3" x 1", Grooved Eccentric Reducer	1,146.63	23.26
		For Galvanized Fittings, Add	*133.64*	
23 21 13 23-1880	EA	3" x 1-1/4", Grooved Eccentric Reducer	1,042.40	24.00
		For Galvanized Fittings, Add	*120.98*	
23 21 13 23-1881	EA	3" x 1-1/2", Grooved Eccentric Reducer	590.27	25.69
		For Galvanized Fittings, Add	*66.31*	
23 21 13 23-1882	EA	3" x 2", Grooved Eccentric Reducer	263.62	28.55
		For Galvanized Fittings, Add	*26.54*	
23 21 13 23-1883	EA	3" x 2-1/2", Grooved Eccentric Reducer	271.82	34.04
		For Galvanized Fittings, Add	*26.54*	
23 21 13 23-1884	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,276.50	36.69
		For Galvanized Fittings, Add	*146.83*	
23 21 13 23-1885	EA	4" x 1", Grooved Eccentric Reducer	2,296.89	28.86
		For Galvanized Fittings, Add	*386.48*	
23 21 13 23-1886	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,409.98	31.40
		For Galvanized Fittings, Add	*233.74*	
23 21 13 23-1887	EA	4" x 2", Grooved Eccentric Reducer	321.26	34.25
		For Galvanized Fittings, Add	*46.30*	
23 21 13 23-1888	EA	4" x 2-1/2", Grooved Eccentric Reducer	324.96	36.69
		For Galvanized Fittings, Add	*46.30*	
23 21 13 23-1889	EA	4" x 3", Grooved Eccentric Reducer	329.19	39.54
		For Galvanized Fittings, Add	*46.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1890	EA	5" x 2", Grooved Eccentric Reducer	1,562.63	39.86
		For Galvanized Fittings, Add	*257.74*	
23 21 13 23-1891	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,343.85	42.29
		For Galvanized Fittings, Add	*219.59*	
23 21 13 23-1892	EA	5" x 3", Grooved Eccentric Reducer	1,304.42	45.14
		For Galvanized Fittings, Add	*212.10*	
23 21 13 23-1893	EA	5" x 4", Grooved Eccentric Reducer	443.84	50.75
		For Galvanized Fittings, Add	*63.06*	
23 21 13 23-1894	EA	6" x 1", Grooved Eccentric Reducer	2,400.80	43.04
		For Galvanized Fittings, Add	*435.95*	
23 21 13 23-1895	EA	6" x 2", Grooved Eccentric Reducer	2,203.03	48.32
		For Galvanized Fittings, Add	*397.57*	
23 21 13 23-1896	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,613.19	50.75
		For Galvanized Fittings, Add	*473.42*	
23 21 13 23-1897	EA	6" x 3", Grooved Eccentric Reducer	569.94	53.61
		For Galvanized Fittings, Add	*91.35*	
23 21 13 23-1898	EA	6" x 4", Grooved Eccentric Reducer	517.35	59.21
		For Galvanized Fittings, Add	*79.96*	
23 21 13 23-1899	EA	6" x 5", Grooved Eccentric Reducer	611.32	64.92
		For Galvanized Fittings, Add	*95.92*	
23 21 13 23-1900	EA	8" x 3", Grooved Eccentric Reducer	2,566.47	60.69
		For Galvanized Fittings, Add	*461.94*	
23 21 13 23-1901	EA	8" x 4", Grooved Eccentric Reducer	2,262.84	66.30
		For Galvanized Fittings, Add	*403.70*	
23 21 13 23-1902	EA	8" x 5", Grooved Eccentric Reducer	2,122.12	71.90
		For Galvanized Fittings, Add	*375.86*	
23 21 13 23-1903	EA	8" x 6", Grooved Eccentric Reducer	989.44	80.35
		For Galvanized Fittings, Add	*162.14*	
23 21 13 23-1904	EA	10" x 4", Grooved Eccentric Reducer	4,080.53	73.69
		For Galvanized Fittings, Add	*740.81*	
23 21 13 23-1905	EA	10" x 5", Grooved Eccentric Reducer	3,859.31	79.30
		For Galvanized Fittings, Add	*697.95*	
23 21 13 23-1906	EA	10" x 6", Grooved Eccentric Reducer	2,952.22	87.76
		For Galvanized Fittings, Add	*526.32*	
23 21 13 23-1907	EA	10" x 8", Grooved Eccentric Reducer	2,529.45	94.84
		For Galvanized Fittings, Add	*445.46*	
23 21 13 23-1908	EA	12" x 4", Grooved Eccentric Reducer	4,162.63	83.95
		For Galvanized Fittings, Add	*609.16*	
23 21 13 23-1909	EA	12" x 6", Grooved Eccentric Reducer	3,914.98	98.01
		For Galvanized Fittings, Add	*568.60*	
23 21 13 23-1910	EA	12" x 8", Grooved Eccentric Reducer	3,829.16	105.10
		For Galvanized Fittings, Add	*554.05*	
23 21 13 23-1911	EA	12" x 10", Grooved Eccentric Reducer	3,457.37	112.50
		For Galvanized Fittings, Add	*496.26*	
23 21 13 23-1912	EA	14" x 6", Grooved Eccentric Reducer	9,665.82	105.63
		For Galvanized Fittings, Add	*291.88*	
23 21 13 23-1913	EA	14" x 8", Grooved Eccentric Reducer	6,247.33	112.71
		For Galvanized Fittings, Add	*186.60*	
23 21 13 23-1914	EA	14" x 10", Grooved Eccentric Reducer	5,966.22	120.12
		For Galvanized Fittings, Add	*177.64*	
23 21 13 23-1915	EA	14" x 12", Grooved Eccentric Reducer	5,981.53	130.26
		For Galvanized Fittings, Add	*177.64*	
23 21 13 23-1916	EA	16" x 8", Grooved Eccentric Reducer	10,680.08	120.22
		For Galvanized Fittings, Add	*322.34*	
23 21 13 23-1917	EA	16" x 10", Grooved Eccentric Reducer	9,893.97	127.62
		For Galvanized Fittings, Add	*297.87*	
23 21 13 23-1918	EA	16" x 12", Grooved Eccentric Reducer	9,323.62	137.88
		For Galvanized Fittings, Add	*279.89*	
23 21 13 23-1919	EA	16" x 14", Grooved Eccentric Reducer	9,335.04	145.48
		For Galvanized Fittings, Add	*279.89*	
23 21 13 23-1920	EA	18" x 10", Grooved Eccentric Reducer	13,398.39	134.70
		For Galvanized Fittings, Add	*405.13*	
23 21 13 23-1921	EA	18" x 12", Grooved Eccentric Reducer	12,608.67	144.86
		For Galvanized Fittings, Add	*380.42*	
23 21 13 23-1922	EA	18" x 14", Grooved Eccentric Reducer	11,486.88	152.47
		For Galvanized Fittings, Add	*345.63*	
23 21 13 23-1923	EA	18" x 16", Grooved Eccentric Reducer	11,498.30	160.18
		For Galvanized Fittings, Add	*345.63*	
23 21 13 23-1924	EA	20" x 10", Grooved Eccentric Reducer	17,596.95	138.19
		For Galvanized Fittings, Add	*533.87*	
23 21 13 23-1925	EA	20" x 12", Grooved Eccentric Reducer	13,085.54	148.45
		For Galvanized Fittings, Add	*394.90*	
23 21 13 23-1926	EA	20" x 14", Grooved Eccentric Reducer	12,292.82	156.06
		For Galvanized Fittings, Add	*370.21*	
23 21 13 23-1927	EA	20" x 16", Grooved Eccentric Reducer	12,108.97	163.57
		For Galvanized Fittings, Add	*364.22*	
23 21 13 23-1928	EA	20" x 18", Grooved Eccentric Reducer	11,665.11	170.65
		For Galvanized Fittings, Add	*350.26*	
23 21 13 23-1929	EA	24" x 12", Grooved Eccentric Reducer	25,419.82	163.99
		For Galvanized Fittings, Add	*772.84*	
23 21 13 23-1930	EA	24" x 14", Grooved Eccentric Reducer	21,712.53	171.50
		For Galvanized Fittings, Add	*658.68*	
23 21 13 23-1931	EA	24" x 16", Grooved Eccentric Reducer	21,724.03	179.21
		For Galvanized Fittings, Add	*658.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1932	EA	24" x 18", Grooved Eccentric Reducer	20,516.61	186.19
		For Galvanized Fittings, Add	*621.29*	
23 21 13 23-1933	EA	24" x 20", Grooved Eccentric Reducer	18,752.28	189.79
		For Galvanized Fittings, Add	*566.96*	
23 21 13 23-1934		**Grooved, Close Nipple** *(23 21 13 23-1772)*		
		Note: Victaulic No. 143		
23 21 13 23-1935	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	61.80	13.95
		For Galvanized Fittings, Add	*7.32*	
		For 300 LB Rating, Add	*6.10*	
		For Galvanized Fittings, Add	*10.41*	
23 21 13 23-1936	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	70.73	17.45
		For Galvanized Fittings, Add	*7.97*	
		For 300 LB Rating, Add	*6.64*	
		For Galvanized Fittings, Add	*11.34*	
23 21 13 23-1937	EA	2" Ductile Iron, Grooved, Close Nipple	88.28	23.03
		For Galvanized Fittings, Add	*9.61*	
		For 300 LB Rating, Add	*8.01*	
		For Galvanized Fittings, Add	*13.67*	
23 21 13 23-1938	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	105.38	27.92
		For Galvanized Fittings, Add	*11.36*	
		For 300 LB Rating, Add	*9.46*	
		For Galvanized Fittings, Add	*16.15*	
23 21 13 23-1939		**Grooved Caps** *(23 21 13 23-1772)*		
		Note: Victaulic No. 60		
23 21 13 23-1940	EA	1" Carbon Steel Grooved Cap	151.62	4.33
23 21 13 23-1941	EA	1-1/4" Carbon Steel Grooved Cap	153.74	5.39
23 21 13 23-1942	EA	1-1/2" Carbon Steel Grooved Cap	156.06	6.56
23 21 13 23-1943	EA	2" Carbon Steel Grooved Cap	160.19	8.67
23 21 13 23-1944	EA	2-1/2" Carbon Steel Grooved Cap	164.00	10.58
23 21 13 23-1945	EA	3" Carbon Steel Grooved Cap	168.43	12.79
23 21 13 23-1946	EA	4" Carbon Steel Grooved Cap	186.02	16.91
23 21 13 23-1947	EA	5" Carbon Steel Grooved Cap	392.06	21.05
23 21 13 23-1948	EA	6" Carbon Steel Grooved Cap	404.59	27.59
23 21 13 23-1949	EA	8" Carbon Steel Grooved Cap	730.12	32.78
23 21 13 23-1950	EA	10" Carbon Steel Grooved Cap	1,235.44	38.27
23 21 13 23-1951	EA	12" Carbon Steel Grooved Cap	2,118.21	45.89
23 21 13 23-1952		**Grooved Couplings** *(23 21 13 23-1529)*		
23 21 13 23-1953		**Flexible Grooved Coupling** *(23 21 13 23-1952)*		
		Note: Victaulic Style 77		
23 21 13 23-1954	EA	3/4" Grooved Standard Coupling	23.61	5.71
		For Galvanized Fittings, Add	*4.19*	
23 21 13 23-1955	EA	1" Grooved Standard Coupling	23.61	5.71
		For Galvanized Fittings, Add	*4.19*	
23 21 13 23-1956	EA	1-1/4" Grooved Standard Coupling	30.72	7.19
		For Galvanized Fittings, Add	*5.58*	
23 21 13 23-1957	EA	1-1/2" Grooved Standard Coupling	34.68	8.56
		For Galvanized Fittings, Add	*6.10*	
23 21 13 23-1958	EA	2" Grooved Standard Coupling	40.29	11.53
		For Galvanized Fittings, Add	*6.44*	
23 21 13 23-1959	EA	2-1/2" Grooved Standard Coupling	48.59	14.06
		For Galvanized Fittings, Add	*7.71*	
23 21 13 23-1960	EA	3" Grooved Standard Coupling	52.67	16.81
		For Galvanized Fittings, Add	*7.71*	
23 21 13 23-1961	EA	3-1/2" Grooved Standard Coupling	73.92	19.67
		For Galvanized Fittings, Add	*12.43*	
23 21 13 23-1962	EA	4" Grooved Standard Coupling	78.05	22.42
		For Galvanized Fittings, Add	*12.43*	
23 21 13 23-1963	EA	5" Grooved Standard Coupling	110.13	28.13
		For Galvanized Fittings, Add	*19.05*	
23 21 13 23-1964	EA	6" Grooved Standard Coupling	135.50	36.69
		For Galvanized Fittings, Add	*22.52*	
23 21 13 23-1965	EA	8" Grooved Standard Coupling	196.65	43.77
		For Galvanized Fittings, Add	*36.71*	
23 21 13 23-1966	EA	10" Grooved Standard Coupling	296.56	52.45
		For Galvanized Fittings, Add	*61.01*	
23 21 13 23-1967	EA	12" Grooved Standard Coupling	334.13	57.41
		For Galvanized Fittings, Add	*69.46*	
23 21 13 23-1968	EA	14" Grooved Standard Coupling	416.10	76.56
		For Galvanized Fittings, Add	*84.38*	
23 21 13 23-1969	EA	16" Grooved Standard Coupling	532.99	91.88
		For Galvanized Fittings, Add	*110.69*	
23 21 13 23-1970	EA	18" Grooved Standard Coupling	615.93	102.03
		For Galvanized Fittings, Add	*129.63*	
23 21 13 23-1971	EA	20" Grooved Standard Coupling	900.40	114.83
		For Galvanized Fittings, Add	*203.93*	
23 21 13 23-1972	EA	24" Grooved Standard Coupling	1,010.51	141.26
		For Galvanized Fittings, Add	*223.64*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1973			Zero-Flex® Rigid Coupling *(23 21 13 23-1952)*		
			Note: Victaulic Style 07		
23 21 13 23-1974		EA	1" Grooved Rigid Coupling	29.47	5.71
			For Galvanized Fittings, Add	*5.11*	
23 21 13 23-1975		EA	1-1/4" Grooved Rigid Coupling	31.64	7.19
			For Galvanized Fittings, Add	*5.11*	
23 21 13 23-1976		EA	1-1/2" Grooved Rigid Coupling	33.74	8.56
			For Galvanized Fittings, Add	*5.11*	
23 21 13 23-1977		EA	2" Grooved Rigid Coupling	38.64	11.53
			For Galvanized Fittings, Add	*5.23*	
23 21 13 23-1978		EA	2-1/2" Grooved Rigid Coupling	45.68	14.06
			For Galvanized Fittings, Add	*6.03*	
23 21 13 23-1979		EA	3" Grooved Rigid Coupling	49.76	16.81
			For Galvanized Fittings, Add	*6.03*	
23 21 13 23-1980		EA	3-1/2" Grooved Rigid Coupling	58.32	19.67
			For Galvanized Fittings, Add	*7.05*	
23 21 13 23-1981		EA	4" Grooved Rigid Coupling	74.46	22.42
			For Galvanized Fittings, Add	*9.99*	
23 21 13 23-1982		EA	5" Grooved Rigid Coupling	95.06	28.13
			For Galvanized Fittings, Add	*12.98*	
23 21 13 23-1983		EA	6" Grooved Rigid Coupling	125.87	36.69
			For Galvanized Fittings, Add	*17.35*	
23 21 13 23-1984		EA	8" Grooved Rigid Coupling	177.10	43.77
			For Galvanized Fittings, Add	*27.33*	
23 21 13 23-1985		EA	10" Grooved Rigid Coupling	278.55	52.45
			For Galvanized Fittings, Add	*48.97*	
23 21 13 23-1986		EA	12" Grooved Rigid Coupling	309.72	57.41
			For Galvanized Fittings, Add	*54.80*	
23 21 13 23-1987		EA	14" Grooved Rigid Coupling	406.95	76.56
			For Galvanized Fittings, Add	*71.59*	
23 21 13 23-1988		EA	16" Grooved Rigid Coupling	518.80	91.88
			For Galvanized Fittings, Add	*93.37*	
23 21 13 23-1989		EA	18" Grooved Rigid Coupling	593.55	102.03
			For Galvanized Fittings, Add	*107.94*	
23 21 13 23-1990		EA	20" Grooved Rigid Coupling	696.63	114.83
			For Galvanized Fittings, Add	*128.51*	
23 21 13 23-1991		EA	24" Grooved Rigid Coupling	984.42	141.26
			For Galvanized Fittings, Add	*189.29*	
23 21 13 23-1992			Large Diameter Grooved Coupling *(23 21 13 23-1952)*		
			Note: Victaulic Style 770		
23 21 13 23-1993		EA	28" Grooved Coupling	969.21	28.13
			For Galvanized Fittings, Add	*129.80*	
23 21 13 23-1994		EA	30" Grooved Coupling	1,122.47	36.69
			For Galvanized Fittings, Add	*149.44*	
23 21 13 23-1995		EA	32" Grooved Coupling	1,664.05	43.77
			For Galvanized Fittings, Add	*223.79*	
23 21 13 23-1996		EA	36" Grooved Coupling	2,208.26	52.45
			For Galvanized Fittings, Add	*298.14*	
23 21 13 23-1997		EA	42" Grooved Coupling	4,392.95	57.41
			For Galvanized Fittings, Add	*602.97*	
23 21 13 23-1998			Flexible Coupling *(23 21 13 23-1952)*		
			Note: Victaulic Style 75		
23 21 13 23-1999		EA	1-1/2" Grooved Flexible Coupling	31.84	8.56
			For Galvanized Fittings, Add	*4.85*	
23 21 13 23-2000		EA	2" Grooved Flexible Coupling	36.70	11.53
			For Galvanized Fittings, Add	*4.97*	
23 21 13 23-2001		EA	2-1/2" Grooved Flexible Coupling	43.56	14.06
			For Galvanized Fittings, Add	*5.76*	
23 21 13 23-2002		EA	3" Grooved Flexible Coupling	51.31	16.81
			For Galvanized Fittings, Add	*6.70*	
23 21 13 23-2003		EA	3-1/2" Grooved Flexible Coupling	66.62	19.67
			For Galvanized Fittings, Add	*9.49*	
23 21 13 23-2004		EA	4" Grooved Flexible Coupling	70.75	22.42
			For Galvanized Fittings, Add	*9.49*	
23 21 13 23-2005		EA	5" Grooved Flexible Coupling	95.59	28.13
			For Galvanized Fittings, Add	*13.70*	
23 21 13 23-2006		EA	6" Grooved Flexible Coupling	119.52	36.69
			For Galvanized Fittings, Add	*16.50*	
23 21 13 23-2007		EA	8" Grooved Flexible Coupling	166.86	43.77
			For Galvanized Fittings, Add	*25.94*	
23 21 13 23-2008			Installation-Ready™ Coupling *(23 21 13 23-1952)*		
			Note: Victaulic Style 009N		
23 21 13 23-2009		EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	79.70	5.34
			For Galvanized Fittings, Add	*18.33*	
23 21 13 23-2010		EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	82.75	6.39
			For Galvanized Fittings, Add	*18.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2011	EA	2" Ductile Iron, Installation-Ready™ Coupling	95.68	8.58
		For Galvanized Fittings, Add	*21.16*	
23 21 13 23-2012	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	110.99	10.40
		For Galvanized Fittings, Add	*24.38*	
23 21 13 23-2013	EA	3" Ductile Iron, Installation-Ready™ Coupling	126.69	12.49
		For Galvanized Fittings, Add	*27.59*	
23 21 13 23-2014	EA	4" Ductile Iron, Installation-Ready™ Coupling	176.59	16.68
		For Galvanized Fittings, Add	*38.74*	
23 21 13 23-2015	EA	5" Ductile Iron, Installation-Ready™ Coupling	279.13	20.86
		For Galvanized Fittings, Add	*63.37*	
23 21 13 23-2016	EA	6" Ductile Iron, Installation-Ready™ Coupling	337.10	27.28
		For Galvanized Fittings, Add	*75.71*	
23 21 13 23-2017	EA	8" Ductile Iron, Installation-Ready™ Coupling	543.28	32.45
		For Galvanized Fittings, Add	*126.49*	
23 21 13 23-2018		**Grooved Strainers And Suction Diffusers** *(23 21 13 23-1529)*		
23 21 13 23-2019		**Grooved Wye Strainers** *(23 21 13 23-2018)*		
		Note: Victaulic Style 732		
23 21 13 23-2020	EA	2" Grooved Wye Strainer	2,519.50	23.26
23 21 13 23-2021	EA	2-1/2" Grooved Wye Strainer	2,652.29	28.23
23 21 13 23-2022	EA	3" Grooved Wye Strainer	2,982.71	33.83
23 21 13 23-2023	EA	4" Grooved Wye Strainer	3,385.83	45.14
23 21 13 23-2024	EA	5" Grooved Wye Strainer	4,891.25	56.46
23 21 13 23-2025	EA	6" Grooved Wye Strainer	5,328.81	73.38
23 21 13 23-2026	EA	8" Grooved Wye Strainer	8,131.59	87.45
23 21 13 23-2027	EA	10" Grooved Wye Strainer	13,014.09	102.24
23 21 13 23-2028	EA	12" Grooved Wye Strainer	22,650.89	122.76
23 21 13 23-2029		**Grooved Tee Type Strainers** *(23 21 13 23-2018)*		
		Note: Victaulic Style 730		
23 21 13 23-2030	EA	1-1/2" Grooved Tee Type Strainer	1,943.76	17.66
23 21 13 23-2031	EA	2" Grooved Tee Type Strainer	2,488.83	23.26
23 21 13 23-2032	EA	2-1/2" Grooved Tee Type Strainer	2,620.41	28.23
23 21 13 23-2033	EA	3" Grooved Tee Type Strainer	2,946.70	33.83
23 21 13 23-2034	EA	4" Grooved Tee Type Strainer	3,345.00	45.14
23 21 13 23-2035	EA	5" Grooved Tee Type Strainer	4,831.81	56.46
23 21 13 23-2036	EA	6" Grooved Tee Type Strainer	5,264.72	73.38
23 21 13 23-2037	EA	8" Grooved Tee Type Strainer	8,032.35	87.45
23 21 13 23-2038	EA	10" Grooved Tee Type Strainer	11,758.09	102.24
23 21 13 23-2039	EA	12" Grooved Tee Type Strainer	15,122.50	122.76
23 21 13 23-2040	EA	14" Grooved Tee Type Strainer	53,454.80	138.19
23 21 13 23-2041	EA	16" Grooved Tee Type Strainer	66,408.34	153.00
23 21 13 23-2042	EA	18" Grooved Tee Type Strainer	87,295.15	167.16
23 21 13 23-2043		**Grooved Suction Diffuser** *(23 21 13 23-2018)*		
		Note: Victaulic Style 731		
23 21 13 23-2044	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,134.58	26.11
23 21 13 23-2045	EA	3" Grooved x 2" Flanged Suction Diffuser	5,450.66	28.86
23 21 13 23-2046	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	3,937.89	33.83
23 21 13 23-2047	EA	3" Grooved x 3" Flanged Suction Diffuser	3,993.53	36.69
23 21 13 23-2048	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,325.89	36.69
23 21 13 23-2049	EA	4" Grooved x 3" Flanged Suction Diffuser	4,667.12	39.54
23 21 13 23-2050	EA	4" Grooved x 4" Flanged Suction Diffuser	5,395.92	39.54
23 21 13 23-2051	EA	5" Grooved x 4" Flanged Suction Diffuser	6,024.62	50.75
23 21 13 23-2052	EA	5" Grooved x 5" Flanged Suction Diffuser	6,330.71	53.61
23 21 13 23-2053	EA	6" Grooved x 4" Flanged Suction Diffuser	6,431.17	59.21
23 21 13 23-2054	EA	6" Grooved x 5" Flanged Suction Diffuser	7,684.26	64.92
23 21 13 23-2055	EA	6" Grooved x 6" Flanged Suction Diffuser	7,981.23	69.15
23 21 13 23-2056	EA	8" Grooved x 5" Flanged Suction Diffuser	8,189.29	71.90
23 21 13 23-2057	EA	8" Grooved x 6" Flanged Suction Diffuser	8,642.35	80.35
23 21 13 23-2058	EA	8" Grooved x 8" Flanged Suction Diffuser	14,796.10	87.45
23 21 13 23-2059	EA	10" Grooved x 8" Flanged Suction Diffuser	16,689.80	94.53
23 21 13 23-2060	EA	10" Grooved x 10" Flanged Suction Diffuser	20,086.93	98.01
23 21 13 23-2061	EA	12" Grooved x 10" Flanged Suction Diffuser	23,771.41	112.81
23 21 13 23-2062	EA	12" Grooved x 12" Flanged Suction Diffuser	33,009.76	119.91
23 21 13 23-2063	EA	14" Grooved x 10" Flanged Suction Diffuser	30,733.82	119.91
23 21 13 23-2064	EA	14" Grooved x 12" Flanged Suction Diffuser	34,326.05	130.47
23 21 13 23-2065	EA	14" Grooved x 14" Flanged Suction Diffuser	41,654.01	138.19
23 21 13 23-2066	EA	16" Grooved x 14" Flanged Suction Diffuser	42,882.31	145.27
23 21 13 23-2067		**Grooved Steel Valves** *(23 21 13 23-1529)*		
23 21 13 23-2068		**Grooved Butterfly Valves With Standard Trim** *(23 21 13 23-2067)*		
23 21 13 23-2069	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	289.49	11.53
23 21 13 23-2070	EA	2" Butterfly Valve, Grooved, With Standard Trim	294.94	15.12
23 21 13 23-2071	EA	3" Butterfly Valve, Grooved, With Standard Trim	484.11	22.42
23 21 13 23-2072	EA	4" Butterfly Valve, Grooved, With Standard Trim	650.30	29.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2073	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,420.53	48.32
23 21 13 23-2074	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,968.55	67.98
23 21 13 23-2075	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,956.98	91.88

23 21 13 23-2076 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2067)*

23 21 13 23-2077	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	435.31	11.53
23 21 13 23-2078	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	440.76	15.12
23 21 13 23-2079	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	681.78	22.42
23 21 13 23-2080	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	867.42	29.50
23 21 13 23-2081	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,660.33	48.32
23 21 13 23-2082	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,759.25	67.98
23 21 13 23-2083	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,350.42	91.88

23 21 13 23-2084 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

23 21 13 23-2085	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	244.16	11.31
23 21 13 23-2086	EA	2" Ball Valve, Grooved, With Standard Trim	279.58	15.54
23 21 13 23-2087	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	639.16	19.03
23 21 13 23-2088	EA	3" Ball Valve, Grooved, With Standard Trim	1,048.66	22.52
23 21 13 23-2089	EA	4" Ball Valve, Grooved, With Standard Trim	1,633.36	29.61
23 21 13 23-2090	EA	6" Ball Valve, Grooved, With Standard Trim	5,081.16	48.64

23 21 13 23-2091 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

23 21 13 23-2092	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	260.13	11.31
23 21 13 23-2093	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	445.37	15.54
23 21 13 23-2094	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,161.93	19.03
23 21 13 23-2095	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,502.71	22.52
23 21 13 23-2096	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,052.95	29.61
23 21 13 23-2097	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,601.09	48.64

23 21 13 23-2098 Grooved Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 712

23 21 13 23-2099	EA	2" Check Valve, Grooved	370.85	15.54
23 21 13 23-2100	EA	2-1/2" Check Valve, Grooved	602.30	19.03
23 21 13 23-2101	EA	3" Check Valve, Grooved	701.77	22.52
23 21 13 23-2102	EA	4" Check Valve, Grooved	994.87	29.61

23 21 13 23-2103 Grooved Vic-Check Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 716

23 21 13 23-2104	EA	2-1/2" "Vic-Check" Check Valve, Grooved	481.06	19.03
23 21 13 23-2105	EA	3" "Vic-Check" Check Valve, Grooved	486.20	22.52
23 21 13 23-2106	EA	4" "Vic-Check" Check Valve, Grooved	609.23	29.61
23 21 13 23-2107	EA	6" "Vic-Check" Check Valve, Grooved	1,188.22	48.64
23 21 13 23-2108	EA	8" "Vic-Check" Check Valve, Grooved	1,625.80	67.67
23 21 13 23-2109	EA	10" "Vic-Check" Check Valve, Grooved	4,549.68	91.67
23 21 13 23-2110	EA	12" "Vic-Check" Check Valve, Grooved	5,387.81	105.84

23 21 13 23-2111 Grooved Plug Valves With Lever Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2112	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,041.12	22.52
23 21 13 23-2113	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,152.90	29.61
23 21 13 23-2114	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,060.75	48.64

23 21 13 23-2115 Grooved Plug Valve With Gear Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2116	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	1,853.61	22.52
23 21 13 23-2117	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	1,965.47	29.61
23 21 13 23-2118	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	2,873.32	48.64
23 21 13 23-2119	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	3,842.15	67.67
23 21 13 23-2120	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	6,036.64	91.67
23 21 13 23-2121	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	8,751.48	105.84

23 21 13 23-2122 Prepare Pipe For Groove *(23 21 13 23-1529)*

23 21 13 23-2123 Cut Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2124	EA	Cut 3/4" Groove Pipe	11.07
23 21 13 23-2125	EA	Cut 1" Groove Pipe	12.03
23 21 13 23-2126	EA	Cut 1-1/4" Groove Pipe	13.58
23 21 13 23-2127	EA	Cut 1-1/2" Groove Pipe	14.77
23 21 13 23-2128	EA	Cut 2" Groove Pipe	16.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2129	EA	Cut 2-1/2" Groove Pipe	17.54	
23 21 13 23-2130	EA	Cut 3" Groove Pipe	19.13	
23 21 13 23-2131	EA	Cut 3-1/2" Groove Pipe	20.29	
23 21 13 23-2132	EA	Cut 4" Groove Pipe	21.59	
23 21 13 23-2133	EA	Cut 5" Groove Pipe	23.38	
23 21 13 23-2134	EA	Cut 6" Groove Pipe	24.05	
23 21 13 23-2135	EA	Cut 8" Groove Pipe	31.18	
23 21 13 23-2136	EA	Cut 10" Groove Pipe	44.31	
23 21 13 23-2137	EA	Cut 12" Groove Pipe	56.12	
23 21 13 23-2138	EA	Cut 14" Groove Pipe	84.18	
23 21 13 23-2139	EA	Cut 16" Groove Pipe	88.61	
23 21 13 23-2140	EA	Cut 18" Groove Pipe	93.54	
23 21 13 23-2141	EA	Cut 20" Groove Pipe	99.04	
23 21 13 23-2142	EA	Cut 24" Groove Pipe	112.24	
23 21 13 23-2143		**Roll Grooved Pipe** *(23 21 13 23-2122)*		
		Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2144	EA	Roll 3/4" Groove	6.33	
23 21 13 23-2145	EA	Roll 1" Groove	7.38	
23 21 13 23-2146	EA	Roll 1-1/4" Groove	8.42	
23 21 13 23-2147	EA	Roll 1-1/2" Groove	9.46	
23 21 13 23-2148	EA	Roll 2" Groove	14.52	
23 21 13 23-2149	EA	Roll 2-1/2" Groove	15.30	
23 21 13 23-2150	EA	Roll 3" Groove	16.83	
23 21 13 23-2151	EA	Roll 3-1/2" Groove	17.91	
23 21 13 23-2152	EA	Roll 4" Groove	19.57	
23 21 13 23-2153	EA	Roll 5" Groove	20.05	
23 21 13 23-2154	EA	Roll 6" Groove	21.05	
23 21 13 23-2155	EA	Roll 8" Groove	25.51	
23 21 13 23-2156	EA	Roll 10" Groove	29.02	
23 21 13 23-2157	EA	Roll 12" Groove	36.60	
23 21 13 23-2158	EA	Roll 14" Groove	56.12	
23 21 13 23-2159	EA	Roll 16" Groove	60.13	
23 21 13 23-2160	EA	Roll 18" Groove	62.36	
23 21 13 23-2161	EA	Roll 20" Groove	67.35	
23 21 13 23-2162	EA	Roll 24" Groove	73.20	
23 21 13 23-2163		**Standard Gaskets** *(23 21 13 23-2122)*		
		Note: For use on replacement of existing gaskets.		
23 21 13 23-2164	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.21	
23 21 13 23-2165	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.10	
23 21 13 23-2166	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.98	
23 21 13 23-2167	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.70	
23 21 13 23-2168	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.33	
23 21 13 23-2169	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.26	
23 21 13 23-2170	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.50	
23 21 13 23-2171	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.66	
23 21 13 23-2172	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.17	
23 21 13 23-2173	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.70	
23 21 13 23-2174	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.36	
23 21 13 23-2175	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	52.96	
23 21 13 23-2176	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	65.64	
23 21 13 23-2177	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	78.08	
23 21 13 23-2178	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	109.66	
23 21 13 23-2179	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	143.42	
23 21 13 23-2180	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	168.03	
23 21 13 23-2181	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	243.71	
23 21 13 23-2182	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	330.57	
23 21 13 23-2183		**Copper Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-2184		**Grooved Fittings** *(23 21 13 23-2183)*		
23 21 13 23-2185		**Grooved 90 Degree Elbows** *(23 21 13 23-2184)*		
23 21 13 23-2186	EA	2" Copper 90 Degree Elbow, Grooved	153.53	17.24
23 21 13 23-2187	EA	2-1/2" Copper 90 Degree Elbow, Grooved	170.85	21.05
23 21 13 23-2188	EA	3" Copper 90 Degree Elbow, Grooved	231.40	25.48
23 21 13 23-2189	EA	4" Copper 90 Degree Elbow, Grooved	481.36	33.62
23 21 13 23-2190	EA	5" Copper 90 Degree Elbow, Grooved	1,257.70	42.08
23 21 13 23-2191	EA	6" Copper 90 Degree Elbow, Grooved	1,982.90	55.09
23 21 13 23-2192	EA	8" Copper 90 Degree Elbow, Grooved	3,646.85	65.55
23 21 13 23-2193		**Grooved 45 Degree Elbows** *(23 21 13 23-2184)*		
23 21 13 23-2194	EA	2" Copper 45 Degree Elbow, Grooved	153.53	17.24
23 21 13 23-2195	EA	2-1/2" Copper 45 Degree Elbow, Grooved	170.85	21.05
23 21 13 23-2196	EA	3" Copper 45 Degree Elbow, Grooved	231.40	25.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2197	EA	4" Copper 45 Degree Elbow, Grooved	481.36	33.62
23 21 13 23-2198	EA	5" Copper 45 Degree Elbow, Grooved	1,257.70	42.08
23 21 13 23-2199	EA	6" Copper 45 Degree Elbow, Grooved	1,982.90	55.09
23 21 13 23-2200	EA	8" Copper 45 Degree Elbow, Grooved	3,646.85	65.55
23 21 13 23-2201		**Grooved Tees** *(23 21 13 23-2184)*		
23 21 13 23-2202	EA	2" Copper Tee, Grooved	245.87	25.38
23 21 13 23-2203	EA	2-1/2" Copper Tee, Grooved	269.35	31.19
23 21 13 23-2204	EA	3" Copper Tee, Grooved	384.57	38.27
23 21 13 23-2205	EA	4" Copper Tee, Grooved	774.37	49.49
23 21 13 23-2206	EA	5" Copper Tee, Grooved	3,101.27	64.71
23 21 13 23-2207	EA	6" Copper Tee, Grooved	2,496.55	80.99
23 21 13 23-2208	EA	8" Copper Tee, Grooved	4,365.43	98.34
23 21 13 23-2209		**Grooved Reducing Tees** *(23 21 13 23-2184)*		
23 21 13 23-2210	EA	2-1/2" Copper Tee, Reducing, Grooved	370.94	31.19
23 21 13 23-2211	EA	3" Copper Tee, Reducing, Grooved	600.27	38.27
23 21 13 23-2212	EA	4" Copper Tee, Reducing, Grooved	986.26	49.59
23 21 13 23-2213	EA	5" Copper Tee, Reducing, Grooved	2,837.35	64.82
23 21 13 23-2214	EA	6" Copper Tee, Reducing, Grooved	3,467.97	80.99
23 21 13 23-2215		**Grooved X Cup Reducing Tees** *(23 21 13 23-2184)*		
23 21 13 23-2216	EA	2" Copper Tee, Reducing, Grooved X Cup	300.20	25.38
23 21 13 23-2217	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	372.05	31.19
23 21 13 23-2218	EA	3" Copper Tee, Reducing, Grooved X Cup	649.16	38.27
23 21 13 23-2219	EA	4" Copper Tee, Reducing, Grooved X Cup	986.26	49.49
23 21 13 23-2220		**Grooved Flanged Adapter Nipples** *(23 21 13 23-2184)*		
23 21 13 23-2221	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	550.87	18.72
23 21 13 23-2222	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	580.04	22.73
23 21 13 23-2223	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	614.30	27.17
23 21 13 23-2224	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	687.10	36.58
23 21 13 23-2225	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	913.84	44.31
23 21 13 23-2226	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,017.68	59.84
23 21 13 23-2227		**Grooved Concentric Reducers** *(23 21 13 23-2184)*		
23 21 13 23-2228	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	209.18	19.24
23 21 13 23-2229	EA	3" x 2" Copper Concentric Reducer, Grooved	213.42	21.47
23 21 13 23-2230	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	221.62	25.48
23 21 13 23-2231	EA	4" x 2" Copper Concentric Reducer, Grooved	400.11	25.69
23 21 13 23-2232	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	403.81	27.49
23 21 13 23-2233	EA	4" x 3" Copper Concentric Reducer, Grooved	408.04	29.61
23 21 13 23-2234	EA	5" x 3" Copper Concentric Reducer, Grooved	1,048.87	33.83
23 21 13 23-2235	EA	5" x 4" Copper Concentric Reducer, Grooved	1,057.33	38.06
23 21 13 23-2236	EA	6" x 3" Copper Concentric Reducer, Grooved	1,142.52	40.18
23 21 13 23-2237	EA	6" x 4" Copper Concentric Reducer, Grooved	1,150.98	44.41
23 21 13 23-2238	EA	6" x 5" Copper Concentric Reducer, Grooved	1,159.44	48.64
23 21 13 23-2239	EA	8" x 6" Copper Concentric Reducer, Grooved	1,984.61	60.26
23 21 13 23-2240		**Grooved X Cup Concentric Reducers** *(23 21 13 23-2184)*		
23 21 13 23-2241	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	168.23	13.53
23 21 13 23-2242	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	169.29	14.06
23 21 13 23-2243	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	172.52	15.65
23 21 13 23-2244	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	202.99	15.12
23 21 13 23-2245	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	204.03	15.65
23 21 13 23-2246	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	207.14	17.24
23 21 13 23-2247	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	211.36	19.24
23 21 13 23-2248	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	253.17	19.24
23 21 13 23-2249	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	257.41	21.47
23 21 13 23-2250	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	449.55	25.59
23 21 13 23-2251		**Grooved Standard Couplings** *(23 21 13 23-2184)*		
23 21 13 23-2252	EA	2" Copper Standard Coupling, Grooved	58.30	8.67
23 21 13 23-2253	EA	2-1/2" Copper Standard Coupling, Grooved	68.07	10.58
23 21 13 23-2254	EA	3" Copper Standard Coupling, Grooved	76.88	12.58
23 21 13 23-2255	EA	4" Copper Standard Coupling, Grooved	112.88	16.91
23 21 13 23-2256	EA	5" Copper Standard Coupling, Grooved	176.84	21.05
23 21 13 23-2257	EA	6" Copper Standard Coupling, Grooved	233.05	27.49
23 21 13 23-2258	EA	8" Copper Standard Coupling, Grooved	342.63	32.78
23 21 13 23-2259		**Grooved Caps** *(23 21 13 23-2184)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2260	EA	2" Copper Cap, Grooved	99.30	8.67
23 21 13 23-2261	EA	2-1/2" Copper Cap, Grooved	142.76	10.58
23 21 13 23-2262	EA	3" Copper Cap, Grooved	176.16	12.58
23 21 13 23-2263	EA	4" Copper Cap, Grooved	260.23	16.81
23 21 13 23-2264	EA	5" Copper Cap, Grooved	443.79	21.05
23 21 13 23-2265	EA	6" Copper Cap, Grooved	517.42	27.49
23 21 13 23-2266		**Grooved Valves** *(23 21 13 23-2183)*		
23 21 13 23-2267		**Grooved Butterfly Valves, Standard Trim, Without Operator** *(23 21 13 23-2266)*		
		Note: Copper body.		
23 21 13 23-2268	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	478.23	11.31
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2269	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	543.86	16.81
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2270	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	718.93	22.10
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2271	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	959.18	36.27
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2272	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,057.20	50.97
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2273		**Grooved Butterfly Valves, Standard Trim, With Operator** *(23 21 13 23-2266)*		
		Note: Copper body.		
23 21 13 23-2274	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	584.29	11.31
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2275	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	649.99	16.81
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2276	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	825.06	22.10
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2277	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,065.38	36.27
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2278	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,163.33	50.97
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2279		**Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23)*		
		Note: Socket or back weld.		
23 21 13 23-2280		**Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23-2279)*		
		Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2281		**Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe** *(23 21 13 23-2280)*		
23 21 13 23-2282	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.30	3.02
		For Work In Restricted Working Space, Add	*1.36*	
23 21 13 23-2283	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.66	3.78
		For Work In Restricted Working Space, Add	*1.70*	
23 21 13 23-2284	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.47	4.03
		For Work In Restricted Working Space, Add	*1.81*	
23 21 13 23-2285	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.38	4.33
		For Work In Restricted Working Space, Add	*1.95*	
23 21 13 23-2286	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.76	4.41
		For Work In Restricted Working Space, Add	*1.98*	
23 21 13 23-2287	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.84	5.28
		For Work In Restricted Working Space, Add	*2.38*	
23 21 13 23-2288	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	14.03	6.27
		For Work In Restricted Working Space, Add	*2.82*	
23 21 13 23-2289	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	17.38	7.59
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2290	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	25.72	11.36
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2291	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	37.85	15.16
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2292	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	50.05	18.07
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-2293	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	100.49	20.19
		For Work In Restricted Working Space, Add	*9.07*	
23 21 13 23-2294		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(23 21 13 23-2280)*		
23 21 13 23-2295	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	17.89	11.41
		For Work In Restricted Working Space, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2296	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	23.91	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2297	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.28	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2298	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	43.72	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2299	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	49.07	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2300	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	63.56	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2301	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	104.06	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2302	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	134.69	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2303	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	173.96	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2304	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	251.12	100.76
		For Work In Restricted Working Space, Add	*45.32*	
23 21 13 23-2305	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	433.89	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2306	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	648.89	175.30
		For Work In Restricted Working Space, Add	*78.83*	

23 21 13 23-2307 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2280)*

23 21 13 23-2308	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	18.31	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2309	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.74	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2310	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	31.45	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2311	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	44.47	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2312	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	50.73	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2313	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	64.64	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2314	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	104.06	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2315	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	141.69	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2316	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	186.70	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2317	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	252.29	100.76
		For Work In Restricted Working Space, Add	*45.32*	
23 21 13 23-2318	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	419.82	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2319	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	648.89	175.30
		For Work In Restricted Working Space, Add	*78.83*	

23 21 13 23-2320 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2280)*

23 21 13 23-2321	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	29.20	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2322	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	35.19	22.73
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-2323	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	47.07	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2324	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	60.48	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2325	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	72.29	45.47
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-2326	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	90.49	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2327	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	130.95	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2328	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	157.90	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2329	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	222.84	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2330	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	384.56	151.62
		For Work In Restricted Working Space, Add	*68.21*	
23 21 13 23-2331	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	646.60	188.10
		For Work In Restricted Working Space, Add	*84.59*	
23 21 13 23-2332	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,848.24	281.03
		For Work In Restricted Working Space, Add	*126.41*	

23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2280)*

23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	36.81	23.47
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2335	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	44.33	28.44
		For Work In Restricted Working Space, Add	*12.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2336	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	59.52	37.54
		For Work In Restricted Working Space, Add	*16.88*	
23 21 13 23-2337	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	76.66	47.68
		For Work In Restricted Working Space, Add	*21.43*	
23 21 13 23-2338	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	91.66	56.88
		For Work In Restricted Working Space, Add	*25.58*	
23 21 13 23-2339	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	115.00	70.52
		For Work In Restricted Working Space, Add	*31.72*	
23 21 13 23-2340	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	169.93	92.84
		For Work In Restricted Working Space, Add	*41.74*	
23 21 13 23-2341	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	205.53	110.17
		For Work In Restricted Working Space, Add	*49.56*	
23 21 13 23-2342	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	293.37	146.96
		For Work In Restricted Working Space, Add	*66.08*	
23 21 13 23-2343	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	530.51	189.48
		For Work In Restricted Working Space, Add	*85.23*	
23 21 13 23-2344	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	923.88	234.93
		For Work In Restricted Working Space, Add	*105.68*	
23 21 13 23-2345	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,763.74	351.45
		For Work In Restricted Working Space, Add	*158.09*	

23 21 13 23-2346 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2280)*

23 21 13 23-2347	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	18.44	11.63
		For Work In Restricted Working Space, Add	*5.31*	
23 21 13 23-2348	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	24.22	14.91
		For Work In Restricted Working Space, Add	*6.79*	
23 21 13 23-2349	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	32.34	19.99
		For Work In Restricted Working Space, Add	*9.08*	
23 21 13 23-2350	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	39.89	24.84
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-2351	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	49.07	29.92
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-2352	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	68.82	41.56
		For Work In Restricted Working Space, Add	*18.90*	
23 21 13 23-2353	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	95.80	57.41
		For Work In Restricted Working Space, Add	*26.12*	
23 21 13 23-2354	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	127.94	71.37
		For Work In Restricted Working Space, Add	*32.46*	
23 21 13 23-2355	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	174.91	83.10
		For Work In Restricted Working Space, Add	*37.76*	
23 21 13 23-2356	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	427.39	96.01
		For Work In Restricted Working Space, Add	*43.64*	
23 21 13 23-2357	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	508.09	128.78
		For Work In Restricted Working Space, Add	*58.53*	

23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2280)*

23 21 13 23-2359	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	18.81	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	24.49	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	30.36	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2362	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	43.22	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2363	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	48.82	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2364	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	62.39	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2365	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	92.16	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2366	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	120.04	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2367	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	151.90	88.18
		For Work In Restricted Working Space, Add	*39.65*	

23 21 13 23-2368 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2280)*

23 21 13 23-2369	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	19.39	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2370	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	25.07	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2371	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	31.53	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2372	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	43.89	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2373	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	50.32	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	63.73	38.17
		For Work In Restricted Working Space, Add	*17.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	93.65	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	124.62	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	149.24	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2378		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2280)*		
23 21 13 23-2379	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	17.89	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2380	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	23.82	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2381	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	29.45	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2382	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	41.89	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2383	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	47.32	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2384	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	60.31	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2385	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	98.31	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2386	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	129.78	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2387	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	162.72	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2388		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2280)*		
23 21 13 23-2389	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	29.34	15.54
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-2390		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2280)*		
23 21 13 23-2391	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	17.56	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2392	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	23.41	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2393	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	29.45	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2394	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	41.56	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2395	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	46.82	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2396	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	59.98	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2397	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	90.91	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2398	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	121.21	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2399	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	146.57	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2400	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	196.67	100.76
		For Work In Restricted Working Space, Add	*45.32*	
23 21 13 23-2401	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	261.47	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2402	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	580.17	126.03
		For Work In Restricted Working Space, Add	*56.67*	
23 21 13 23-2403		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2280)*		
23 21 13 23-2404	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	37.24	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2405	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	48.18	22.73
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-2406	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	60.72	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2407	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	95.45	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2408	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	108.17	45.47
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-2409	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	138.44	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2410	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	209.04	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2411	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	235.74	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2412	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	381.60	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2413	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	502.60	151.62
		For Work In Restricted Working Space, Add	*68.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2414	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	736.01	188.00
		For Work In Restricted Working Space, Add	*84.54*	
23 21 13 23-2415	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,098.59	233.35
		For Work In Restricted Working Space, Add	*104.98*	
23 21 13 23-2416		**Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2280)*		
23 21 13 23-2417	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	8.46	5.15
		For Work In Restricted Working Space, Add	*2.34*	
23 21 13 23-2418	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	11.07	6.77
		For Work In Restricted Working Space, Add	*3.07*	
23 21 13 23-2419	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	14.01	8.35
		For Work In Restricted Working Space, Add	*3.80*	
23 21 13 23-2420	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	20.04	12.01
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-2421	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	22.25	13.32
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-2422	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	28.12	17.03
		For Work In Restricted Working Space, Add	*7.71*	
23 21 13 23-2423	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	45.97	25.17
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-2424	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	58.66	33.09
		For Work In Restricted Working Space, Add	*15.03*	
23 21 13 23-2425	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	79.13	39.23
		For Work In Restricted Working Space, Add	*17.84*	
23 21 13 23-2426	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	115.01	44.83
		For Work In Restricted Working Space, Add	*20.39*	
23 21 13 23-2427	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	236.65	52.34
		For Work In Restricted Working Space, Add	*23.79*	
23 21 13 23-2428	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	700.43	78.04
		For Work In Restricted Working Space, Add	*35.47*	
23 21 13 23-2429		**Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges** *(23 21 13 23-2280)*		
23 21 13 23-2430	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges	44.93	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2431	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	59.75	22.73
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-2432	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	73.54	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2433	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	86.54	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2434	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	98.26	45.47
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-2435	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	124.54	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2436	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	172.99	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2437	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	200.27	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2438	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	262.47	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	362.90	151.62
		For Work In Restricted Working Space, Add	*68.19*	
23 21 13 23-2440	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	587.74	188.00
		For Work In Restricted Working Space, Add	*84.54*	
23 21 13 23-2441	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	1,038.93	233.04
		For Work In Restricted Working Space, Add	*104.81*	
23 21 13 23-2442		**Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23-2279)*		
		Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2443		**Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe** *(23 21 13 23-2442)*		
23 21 13 23-2444	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.52	3.06
		For Work In Restricted Working Space, Add	*1.36*	
23 21 13 23-2445	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.94	3.81
		For Work In Restricted Working Space, Add	*1.70*	
23 21 13 23-2446	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.67	4.54
		For Work In Restricted Working Space, Add	*2.04*	
23 21 13 23-2447	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.49	5.29
		For Work In Restricted Working Space, Add	*2.39*	
23 21 13 23-2448	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.11	6.02
		For Work In Restricted Working Space, Add	*2.72*	
23 21 13 23-2449	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.78	7.62
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2450	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	19.07	8.35
		For Work In Restricted Working Space, Add	*3.75*	
23 21 13 23-2451	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	22.35	9.10
		For Work In Restricted Working Space, Add	*4.09*	
23 21 13 23-2452	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	29.85	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2453	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	47.06	15.12
		For Work In Restricted Working Space, Add	*6.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2454	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	64.17	18.08
		For Work In Restricted Working Space, Add	*8.13*	
23 21 13 23-2455	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	143.35	19.45
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-2456		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(23 21 13 23-2442)*		
23 21 13 23-2457	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.06	11.41
		For Work In Restricted Working Space, Add	*5.12*	
		For Threaded Fittings, Add	*2.56*	
23 21 13 23-2458	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.65	15.12
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2459	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.53	18.82
		For Work In Restricted Working Space, Add	*8.46*	
		For Threaded Fittings, Add	*4.23*	
23 21 13 23-2460	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	48.30	26.65
		For Work In Restricted Working Space, Add	*11.97*	
		For Threaded Fittings, Add	*5.98*	
23 21 13 23-2461	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	53.98	30.03
		For Work In Restricted Working Space, Add	*13.50*	
		For Threaded Fittings, Add	*6.75*	
23 21 13 23-2462	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	68.06	38.17
		For Work In Restricted Working Space, Add	*17.15*	
		For Threaded Fittings, Add	*8.57*	
23 21 13 23-2463	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	110.14	56.46
		For Work In Restricted Working Space, Add	*25.37*	
		For Threaded Fittings, Add	*12.69*	
23 21 13 23-2464	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	140.02	74.23
		For Work In Restricted Working Space, Add	*33.39*	
		For Threaded Fittings, Add	*16.70*	
23 21 13 23-2465	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	175.79	88.18
		For Work In Restricted Working Space, Add	*39.65*	
		For Threaded Fittings, Add	*19.83*	
23 21 13 23-2466	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	308.65	100.76
		For Work In Restricted Working Space, Add	*45.32*	
		For Threaded Fittings, Add	*22.66*	
23 21 13 23-2467	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	518.81	117.58
		For Work In Restricted Working Space, Add	*52.87*	
		For Threaded Fittings, Add	*26.43*	
23 21 13 23-2468	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	648.89	175.30
		For Work In Restricted Working Space, Add	*78.83*	
		For Threaded Fittings, Add	*39.41*	
23 21 13 23-2469		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(23 21 13 23-2442)*		
23 21 13 23-2470	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	22.80	11.41
		For Work In Restricted Working Space, Add	*5.12*	
		For Threaded Fittings, Add	*2.56*	
23 21 13 23-2471	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	31.48	15.12
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2472	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	41.35	18.82
		For Work In Restricted Working Space, Add	*8.46*	
		For Threaded Fittings, Add	*4.23*	
23 21 13 23-2473	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	56.71	26.65
		For Work In Restricted Working Space, Add	*11.97*	
		For Threaded Fittings, Add	*5.98*	
23 21 13 23-2474	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	64.80	30.03
		For Work In Restricted Working Space, Add	*13.50*	
		For Threaded Fittings, Add	*6.75*	
23 21 13 23-2475	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	82.88	38.17
		For Work In Restricted Working Space, Add	*17.15*	
		For Threaded Fittings, Add	*8.57*	
23 21 13 23-2476	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	138.70	56.46
		For Work In Restricted Working Space, Add	*25.37*	
		For Threaded Fittings, Add	*12.69*	
23 21 13 23-2477	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	177.16	74.23
		For Work In Restricted Working Space, Add	*33.39*	
		For Threaded Fittings, Add	*16.70*	
23 21 13 23-2478	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	250.81	88.18
		For Work In Restricted Working Space, Add	*39.65*	
		For Threaded Fittings, Add	*19.83*	
23 21 13 23-2479	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	300.42	100.76
		For Work In Restricted Working Space, Add	*45.32*	
		For Threaded Fittings, Add	*22.66*	
23 21 13 23-2480	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	500.09	117.58
		For Work In Restricted Working Space, Add	*52.87*	
		For Threaded Fittings, Add	*26.43*	
23 21 13 23-2481	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	627.85	175.30
		For Work In Restricted Working Space, Add	*78.83*	
		For Threaded Fittings, Add	*39.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2482		**Schedule 80 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2442)*		
23 21 13 23-2483	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	35.35	17.87
		For Work In Restricted Working Space, Add	*8.03*	
		For Threaded Fittings, Add	*4.02*	
23 21 13 23-2484	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	43.10	22.73
		For Work In Restricted Working Space, Add	*10.23*	
		For Threaded Fittings, Add	*5.12*	
23 21 13 23-2485	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	56.23	30.03
		For Work In Restricted Working Space, Add	*13.50*	
		For Threaded Fittings, Add	*6.75*	
23 21 13 23-2486	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	88.21	38.17
		For Work In Restricted Working Space, Add	*17.15*	
		For Threaded Fittings, Add	*8.57*	
23 21 13 23-2487	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	99.27	45.47
		For Work In Restricted Working Space, Add	*20.46*	
		For Threaded Fittings, Add	*10.23*	
23 21 13 23-2488	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	123.46	56.46
		For Work In Restricted Working Space, Add	*25.37*	
		For Threaded Fittings, Add	*12.69*	
23 21 13 23-2489	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	153.60	74.23
		For Work In Restricted Working Space, Add	*33.39*	
		For Threaded Fittings, Add	*16.70*	
23 21 13 23-2490	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	184.96	88.18
		For Work In Restricted Working Space, Add	*39.65*	
		For Threaded Fittings, Add	*19.83*	
23 21 13 23-2491	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	237.41	117.58
		For Work In Restricted Working Space, Add	*52.87*	
		For Threaded Fittings, Add	*26.43*	
23 21 13 23-2492	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	436.44	151.62
		For Work In Restricted Working Space, Add	*68.21*	
		For Threaded Fittings, Add	*34.11*	
23 21 13 23-2493	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	766.85	188.10
		For Work In Restricted Working Space, Add	*84.59*	
		For Threaded Fittings, Add	*42.29*	
23 21 13 23-2494	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,848.34	281.03
		For Work In Restricted Working Space, Add	*126.41*	
		For Threaded Fittings, Add	*63.21*	
23 21 13 23-2495		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(23 21 13 23-2442)*		
23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	46.90	22.30
		For Work In Restricted Working Space, Add	*10.04*	
		For Threaded Fittings, Add	*5.02*	
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	56.72	28.44
		For Work In Restricted Working Space, Add	*12.79*	
		For Threaded Fittings, Add	*6.39*	
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	73.87	37.54
		For Work In Restricted Working Space, Add	*16.88*	
		For Threaded Fittings, Add	*8.44*	
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	120.12	47.68
		For Work In Restricted Working Space, Add	*21.43*	
		For Threaded Fittings, Add	*10.72*	
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	133.95	56.88
		For Work In Restricted Working Space, Add	*25.58*	
		For Threaded Fittings, Add	*12.79*	
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	166.68	70.52
		For Work In Restricted Working Space, Add	*31.72*	
		For Threaded Fittings, Add	*15.86*	
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	205.44	92.84
		For Work In Restricted Working Space, Add	*41.74*	
		For Threaded Fittings, Add	*20.87*	
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	247.96	110.17
		For Work In Restricted Working Space, Add	*49.56*	
		For Threaded Fittings, Add	*24.78*	
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	316.21	146.96
		For Work In Restricted Working Space, Add	*66.08*	
		For Threaded Fittings, Add	*33.04*	
23 21 13 23-2505	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	611.84	189.48
		For Work In Restricted Working Space, Add	*85.23*	
		For Threaded Fittings, Add	*42.62*	
23 21 13 23-2506	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,112.38	234.93
		For Work In Restricted Working Space, Add	*105.68*	
		For Threaded Fittings, Add	*52.84*	
23 21 13 23-2507	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,763.89	351.45
		For Work In Restricted Working Space, Add	*158.09*	
		For Threaded Fittings, Add	*79.05*	
23 21 13 23-2508		**Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts** *(23 21 13 23-2442)*		
23 21 13 23-2509	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	24.49	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2510	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	33.28	18.82
		For Work In Restricted Working Space, Add	*8.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2511	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	47.88	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2512	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	55.90	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2513	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	72.72	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2514	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	111.55	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2515	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	154.17	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2516	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	191.61	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2517	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	216.98	100.76
		For Work In Restricted Working Space, Add	*45.32*	
23 21 13 23-2518	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	322.57	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2519	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	517.74	136.50
		For Work In Restricted Working Space, Add	*61.42*	

23 21 13 23-2520 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2442)*

23 21 13 23-2521	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	17.64	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2522	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	25.99	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2523	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	33.28	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2524	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	50.21	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2525	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	57.98	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2526	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	73.05	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2527	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	118.21	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2528	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	173.57	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2529	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	227.91	88.18
		For Work In Restricted Working Space, Add	*39.65*	

23 21 13 23-2530 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2442)*

23 21 13 23-2531	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	24.14	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2532	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	30.57	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2533	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	41.85	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2534	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	55.88	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2535	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	67.97	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2536	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	87.12	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2537	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	118.71	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2538	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	149.18	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2539	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	199.52	88.18
		For Work In Restricted Working Space, Add	*39.65*	

23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2442)*

23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	22.22	11.41
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	30.40	15.12
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	39.52	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	58.29	26.65
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	67.55	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	96.44	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	146.69	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	181.23	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2549	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	252.38	88.18
		For Work In Restricted Working Space, Add	*39.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2550		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2442)*		
23 21 13 23-2551	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	22.55	11.41
		For Work In Restricted Working Space, Add	*5.12*	
		For Threaded Fittings, Add	*2.56*	
23 21 13 23-2552	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	30.15	15.12
		For Work In Restricted Working Space, Add	*6.82*	
		For Threaded Fittings, Add	*3.41*	
23 21 13 23-2553	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	35.86	18.82
		For Work In Restricted Working Space, Add	*8.46*	
		For Threaded Fittings, Add	*4.23*	
23 21 13 23-2554	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	51.63	26.65
		For Work In Restricted Working Space, Add	*11.97*	
		For Threaded Fittings, Add	*5.98*	
23 21 13 23-2555	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	57.64	30.03
		For Work In Restricted Working Space, Add	*13.50*	
		For Threaded Fittings, Add	*6.75*	
23 21 13 23-2556	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	70.64	38.17
		For Work In Restricted Working Space, Add	*17.15*	
		For Threaded Fittings, Add	*8.57*	
23 21 13 23-2557	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	117.96	56.46
		For Work In Restricted Working Space, Add	*25.37*	
		For Threaded Fittings, Add	*12.69*	
23 21 13 23-2558	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	149.68	74.23
		For Work In Restricted Working Space, Add	*33.39*	
		For Threaded Fittings, Add	*16.70*	
23 21 13 23-2559	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	180.29	88.18
		For Work In Restricted Working Space, Add	*39.65*	
		For Threaded Fittings, Add	*19.83*	
23 21 13 23-2560	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	254.53	100.76
		For Work In Restricted Working Space, Add	*45.32*	
		For Threaded Fittings, Add	*22.66*	
23 21 13 23-2561	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	317.08	117.58
		For Work In Restricted Working Space, Add	*52.87*	
		For Threaded Fittings, Add	*26.43*	
23 21 13 23-2562	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	605.14	126.03
		For Work In Restricted Working Space, Add	*56.67*	
		For Threaded Fittings, Add	*28.33*	
23 21 13 23-2563		**Schedule 80 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2442)*		
23 21 13 23-2564	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	40.52	18.82
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-2565	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	48.35	22.73
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-2566	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	61.22	30.03
		For Work In Restricted Working Space, Add	*13.50*	
23 21 13 23-2567	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	97.78	38.17
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2568	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	120.49	45.47
		For Work In Restricted Working Space, Add	*20.46*	
23 21 13 23-2569	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	155.43	56.46
		For Work In Restricted Working Space, Add	*25.37*	
23 21 13 23-2570	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	243.21	74.23
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-2571	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	302.20	88.18
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-2572	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	382.10	117.58
		For Work In Restricted Working Space, Add	*52.87*	
23 21 13 23-2573	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	502.60	151.62
		For Work In Restricted Working Space, Add	*68.19*	
23 21 13 23-2574	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	736.01	188.00
		For Work In Restricted Working Space, Add	*84.54*	
23 21 13 23-2575	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,098.04	233.04
		For Work In Restricted Working Space, Add	*104.81*	
23 21 13 23-2576		**Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions** *(23 21 13 23-2442)*		
23 21 13 23-2577	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	42.71	23.49
23 21 13 23-2578	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	51.16	27.17
23 21 13 23-2579	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	62.10	32.04
23 21 13 23-2580	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	83.86	38.17
23 21 13 23-2581	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	101.13	45.47
23 21 13 23-2582	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	134.84	56.46
23 21 13 23-2583	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	291.37	109.44
23 21 13 23-2584	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	315.51	121.39
23 21 13 23-2585		**Schedule 80 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2442)*		
23 21 13 23-2586	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	15.42	5.08
		For Work In Restricted Working Space, Add	*2.30*	
		For Threaded Fittings, Add	*1.15*	

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23 21 13 23-2587	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	18.40	6.77
		For Work In Restricted Working Space, Add	*3.07*	
		For Threaded Fittings, Add	*1.54*	
23 21 13 23-2588	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	27.17	8.35
		For Work In Restricted Working Space, Add	*3.80*	
		For Threaded Fittings, Add	*1.90*	
23 21 13 23-2589	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	35.43	11.84
		For Work In Restricted Working Space, Add	*5.39*	
		For Threaded Fittings, Add	*2.69*	
23 21 13 23-2590	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	37.73	13.32
		For Work In Restricted Working Space, Add	*6.08*	
		For Threaded Fittings, Add	*3.04*	
23 21 13 23-2591	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	51.93	17.03
		For Work In Restricted Working Space, Add	*7.71*	
		For Threaded Fittings, Add	*3.86*	
23 21 13 23-2592	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	91.92	25.17
		For Work In Restricted Working Space, Add	*11.42*	
		For Threaded Fittings, Add	*5.71*	
23 21 13 23-2593	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	115.94	33.09
		For Work In Restricted Working Space, Add	*15.03*	
		For Threaded Fittings, Add	*7.51*	
23 21 13 23-2594	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	165.38	39.23
		For Work In Restricted Working Space, Add	*17.84*	
		For Threaded Fittings, Add	*8.92*	
23 21 13 23-2595	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	331.05	44.83
		For Work In Restricted Working Space, Add	*20.39*	
		For Threaded Fittings, Add	*10.20*	
23 21 13 23-2596	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	440.70	52.34
		For Work In Restricted Working Space, Add	*23.79*	
		For Threaded Fittings, Add	*11.90*	
23 21 13 23-2597	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	783.68	78.04
		For Work In Restricted Working Space, Add	*35.47*	
		For Threaded Fittings, Add	*17.74*	

23 21 13 23-2598 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-2442)*

23 21 13 23-2599	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	52.09	18.82
		For Work In Restricted Working Space, Add	*8.46*	
		For Threaded Fittings, Add	*4.23*	
23 21 13 23-2600	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	59.75	22.73
		For Work In Restricted Working Space, Add	*10.23*	
		For Threaded Fittings, Add	*5.12*	
23 21 13 23-2601	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	73.55	30.03
		For Work In Restricted Working Space, Add	*13.50*	
		For Threaded Fittings, Add	*6.75*	
23 21 13 23-2602	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	86.54	38.17
		For Work In Restricted Working Space, Add	*17.15*	
		For Threaded Fittings, Add	*8.57*	
23 21 13 23-2603	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	98.26	45.47
		For Work In Restricted Working Space, Add	*20.46*	
		For Threaded Fittings, Add	*10.23*	
23 21 13 23-2604	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	124.54	56.46
		For Work In Restricted Working Space, Add	*25.37*	
		For Threaded Fittings, Add	*12.69*	
23 21 13 23-2605	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	172.99	74.23
		For Work In Restricted Working Space, Add	*33.39*	
		For Threaded Fittings, Add	*16.70*	
23 21 13 23-2606	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	200.27	88.18
		For Work In Restricted Working Space, Add	*39.65*	
		For Threaded Fittings, Add	*19.83*	
23 21 13 23-2607	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	262.47	117.58
		For Work In Restricted Working Space, Add	*52.87*	
		For Threaded Fittings, Add	*26.43*	
23 21 13 23-2608	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	362.91	151.62
		For Work In Restricted Working Space, Add	*68.19*	
		For Threaded Fittings, Add	*34.09*	
23 21 13 23-2609	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	587.75	188.00
		For Work In Restricted Working Space, Add	*84.54*	
		For Threaded Fittings, Add	*42.27*	
23 21 13 23-2610	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	1,038.93	233.04
		For Work In Restricted Working Space, Add	*104.81*	
		For Threaded Fittings, Add	*52.41*	

23 21 13 23-2611 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2279)*

Note: In place pipe.

23 21 13 23-2612	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.74	
		For Work In Restricted Working Space, Add	*1.72*	
23 21 13 23-2613	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.20	
		For Work In Restricted Working Space, Add	*1.86*	
23 21 13 23-2614	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.98	
		For Work In Restricted Working Space, Add	*2.09*	
23 21 13 23-2615	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.32	
		For Work In Restricted Working Space, Add	*2.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2616	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.75	
		For Work In Restricted Working Space, Add	*2.33*	
23 21 13 23-2617	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.53	
		For Work In Restricted Working Space, Add	*2.56*	
23 21 13 23-2618	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.18	
		For Work In Restricted Working Space, Add	*2.75*	
23 21 13 23-2619	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.85	
		For Work In Restricted Working Space, Add	*3.26*	
23 21 13 23-2620	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	14.64	
		For Work In Restricted Working Space, Add	*4.39*	
23 21 13 23-2621	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	20.92	
		For Work In Restricted Working Space, Add	*6.28*	
23 21 13 23-2622	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	27.90	
		For Work In Restricted Working Space, Add	*8.37*	
23 21 13 23-2623	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	34.11	
		For Work In Restricted Working Space, Add	*10.23*	
23 21 13 23-2624		**Polyvinylidene Fluoride (PVDF), Socket Weld** *(23 21 13 23)*		
23 21 13 23-2625		**Pipe** *(23 21 13 23-2624)*		
23 21 13 23-2626	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	34.71	3.06
23 21 13 23-2627	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	46.44	3.81
23 21 13 23-2628	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	65.44	4.02
23 21 13 23-2629	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	91.44	4.44
23 21 13 23-2630	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	115.84	5.29
23 21 13 23-2631		**90 Degree Elbows** *(23 21 13 23-2624)*		
23 21 13 23-2632	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	48.02	11.31
23 21 13 23-2633	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	64.11	15.12
23 21 13 23-2634	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	107.04	18.82
23 21 13 23-2635	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	186.19	30.03
23 21 13 23-2636	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	242.90	38.17
23 21 13 23-2637		**45 Degree Elbows** *(23 21 13 23-2624)*		
23 21 13 23-2638	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	55.83	11.41
23 21 13 23-2639	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	75.11	15.12
23 21 13 23-2640	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	107.04	18.82
23 21 13 23-2641	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	159.86	30.03
23 21 13 23-2642	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	235.96	38.17
23 21 13 23-2643		**Tees** *(23 21 13 23-2624)*		
23 21 13 23-2644	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	89.54	18.82
23 21 13 23-2645	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	99.21	22.73
23 21 13 23-2646	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	144.23	30.03
23 21 13 23-2647	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	238.05	45.47
23 21 13 23-2648	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	351.93	56.46
23 21 13 23-2649		**Reducing Tees** *(23 21 13 23-2624)*		
23 21 13 23-2650	EA	3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	102.02	21.15
23 21 13 23-2651	EA	1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	143.76	24.63
23 21 13 23-2652	EA	1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.94	26.75
23 21 13 23-2653	EA	1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	253.85	38.06
23 21 13 23-2654	EA	2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	381.38	50.75
23 21 13 23-2655		**Socket Weld Reducing Couplings** *(23 21 13 23-2624)*		
23 21 13 23-2656	EA	3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	54.52	13.43
23 21 13 23-2657	EA	1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	70.13	15.54
23 21 13 23-2658	EA	1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	77.06	17.66
23 21 13 23-2659	EA	1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	118.52	21.15
23 21 13 23-2660	EA	1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	126.62	23.26
23 21 13 23-2661	EA	1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	128.73	24.63
23 21 13 23-2662	EA	2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	181.43	34.58
23 21 13 23-2663		**Male Adapters, Socket Weld X Male Thread** *(23 21 13 23-2624)*		
23 21 13 23-2664	EA	1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	78.40	11.41
23 21 13 23-2665	EA	3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	99.99	15.12
23 21 13 23-2666	EA	1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	115.00	18.82
23 21 13 23-2667	EA	1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.84	30.03
23 21 13 23-2668	EA	2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	199.74	38.06
23 21 13 23-2669		**Female Adapters, Socket Weld X Female Thread** *(23 21 13 23-2624)*		
23 21 13 23-2670	EA	1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	78.40	11.41

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23 21 13 23-2671	EA	3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	100.28	15.12
23 21 13 23-2672	EA	1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	115.00	18.82
23 21 13 23-2673	EA	1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.84	30.03
23 21 13 23-2674	EA	2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	199.79	38.17
23 21 13 23-2675		**Socket Weld Couplings** *(23 21 13 23-2624)*		
23 21 13 23-2676	EA	1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	38.76	11.41
23 21 13 23-2677	EA	3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	49.65	15.12
23 21 13 23-2678	EA	1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	64.37	18.82
23 21 13 23-2679	EA	1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	120.22	30.03
23 21 13 23-2680	EA	2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	165.65	38.17
23 21 13 23-2681		**Socket Weld Unions** *(23 21 13 23-2624)*		
23 21 13 23-2682	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	162.74	18.82
23 21 13 23-2683	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	194.98	22.73
23 21 13 23-2684	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	281.38	30.03
23 21 13 23-2685	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	494.98	45.47
23 21 13 23-2686	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	609.72	56.46
23 21 13 23-2687		**Caps** *(23 21 13 23-2624)*		
23 21 13 23-2688	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	29.99	5.68
23 21 13 23-2689	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	42.46	7.57
23 21 13 23-2690	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	53.41	9.37
23 21 13 23-2691	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	94.83	14.98
23 21 13 23-2692	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	135.03	19.01
23 21 13 23-2693		**150 LB Socket Weld Flanges** *(23 21 13 23-2624)*		
23 21 13 23-2694	EA	1/2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	109.50	19.03
23 21 13 23-2695	EA	3/4" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	138.27	22.52
23 21 13 23-2696	EA	1" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	182.13	30.34
23 21 13 23-2697	EA	1-1/2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	262.06	45.89
23 21 13 23-2698	EA	2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	417.32	56.46
23 21 13 23-2699		**Polyethylene Pipe And Fittings** *(23 21 13 23)*		
23 21 13 23-2700		**Small Diameter Tubing** *(23 21 13 23-2699)*		
23 21 13 23-2701		**Tubing** *(23 21 13 23-2700)*		
23 21 13 23-2702	LF	1/4" Polyethylene Tubing	3.49	
		For Work In Restricted Working Space, Add	*0.96*	
23 21 13 23-2703	LF	5/16" Polyethylene Tubing	3.81	
		For Work In Restricted Working Space, Add	*0.98*	
23 21 13 23-2704	LF	3/8" Polyethylene Tubing	4.04	
		For Work In Restricted Working Space, Add	*1.00*	
23 21 13 23-2705	LF	1/2" Polyethylene Tubing	4.13	
		For Work In Restricted Working Space, Add	*1.08*	
23 21 13 23-2706		**Chrome Plated Pipe** *(23 21 13 23)*		
23 21 13 23-2707		**Chrome Plated Nipples** *(23 21 13 23-2706)*		
23 21 13 23-2708		**Close** *(23 21 13 23-2707)*		
23 21 13 23-2709	EA	1/4" Diameter Chrome Plated Nipple, Close	20.32	9.18
23 21 13 23-2710	EA	3/8" Diameter Chrome Plated Nipple, Close	19.48	9.99
23 21 13 23-2711	EA	1/2" Diameter Chrome Plated Nipple, Close	24.18	11.48
23 21 13 23-2712	EA	3/4" Diameter Chrome Plated Nipple, Close	31.70	14.58
23 21 13 23-2713	EA	1" Diameter Chrome Plated Nipple, Close	42.44	19.17
23 21 13 23-2714	EA	1-1/4" Diameter Chrome Plated Nipple, Close	60.10	26.75
23 21 13 23-2715	EA	1-1/2" Diameter Chrome Plated Nipple, Close	73.29	31.35
23 21 13 23-2716	EA	2" Diameter Chrome Plated Nipple, Close	94.40	39.04
23 21 13 23-2717		**1-1/2" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2718	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	21.70	9.53
23 21 13 23-2719	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	20.56	10.33
23 21 13 23-2720	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	24.78	11.82
23 21 13 23-2721	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	32.83	14.92
23 21 13 23-2722		**2" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2723	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	22.56	9.99
23 21 13 23-2724	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	21.27	10.67
23 21 13 23-2725	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	26.68	12.28
23 21 13 23-2726	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	34.44	15.28
23 21 13 23-2727	EA	1" Diameter, 2" Length, Chrome Plated Nipple	44.87	19.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2728	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	64.06	27.56
23 21 13 23-2729	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	77.87	32.15
23 21 13 23-2730		**2-1/2" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2731	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	23.86	10.33
23 21 13 23-2732	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	22.05	11.14
23 21 13 23-2733	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	27.82	12.63
23 21 13 23-2734	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	35.26	15.73
23 21 13 23-2735	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	46.15	20.32
23 21 13 23-2736	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	67.87	27.90
23 21 13 23-2737	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	82.95	32.49
23 21 13 23-2738	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	105.48	40.19
23 21 13 23-2739		**3" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2740	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	24.85	10.67
23 21 13 23-2741	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	23.35	11.48
23 21 13 23-2742	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	27.46	12.28
23 21 13 23-2743	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	38.05	16.07
23 21 13 23-2744	EA	1" Diameter, 3" Length, Chrome Plated Nipple	51.80	20.66
23 21 13 23-2745	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	72.03	28.36
23 21 13 23-2746	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	94.88	32.96
23 21 13 23-2747	EA	2" Diameter, 3" Length, Chrome Plated Nipple	114.83	40.65
23 21 13 23-2748		**3-1/2" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2749	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	25.98	11.14
23 21 13 23-2750	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	25.56	11.82
23 21 13 23-2751	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	30.25	13.43
23 21 13 23-2752	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	42.14	16.42
23 21 13 23-2753	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	53.99	21.01
23 21 13 23-2754	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	80.16	28.71
23 21 13 23-2755	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	98.47	33.30
23 21 13 23-2756	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	122.28	40.99
23 21 13 23-2757		**4" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2758	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	27.10	11.48
23 21 13 23-2759	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	26.21	12.28
23 21 13 23-2760	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	30.51	12.97
23 21 13 23-2761	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	43.78	16.88
23 21 13 23-2762	EA	1" Diameter, 4" Length, Chrome Plated Nipple	56.07	21.47
23 21 13 23-2763	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	86.38	29.05
23 21 13 23-2764	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	105.83	33.64
23 21 13 23-2765	EA	2" Diameter, 4" Length, Chrome Plated Nipple	131.38	41.34
23 21 13 23-2766		**4-1/2" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2767	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	28.10	11.82
23 21 13 23-2768	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	28.42	12.63
23 21 13 23-2769	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	33.46	14.13
23 21 13 23-2770	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	45.63	17.22
23 21 13 23-2771	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	63.25	21.82
23 21 13 23-2772	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	92.32	29.50
23 21 13 23-2773	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	109.11	34.11
23 21 13 23-2774	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	139.74	41.80
23 21 13 23-2775		**5" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2776	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	31.51	12.28
23 21 13 23-2777	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	29.81	12.97
23 21 13 23-2778	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	34.67	14.58
23 21 13 23-2779	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	47.42	17.57
23 21 13 23-2780	EA	1" Diameter, 5" Length, Chrome Plated Nipple	67.62	22.16
23 21 13 23-2781	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	97.73	29.86
23 21 13 23-2782	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	116.50	34.45
23 21 13 23-2783	EA	2" Diameter, 5" Length, Chrome Plated Nipple	145.15	42.14
23 21 13 23-2784		**5-1/2" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2785	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	32.53	12.63
23 21 13 23-2786	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	30.90	13.43
23 21 13 23-2787	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	38.06	14.92
23 21 13 23-2788	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	49.20	18.02
23 21 13 23-2789	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	69.90	22.62
23 21 13 23-2790	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	104.29	30.20
23 21 13 23-2791	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	122.38	34.79
23 21 13 23-2792	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	152.03	42.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2793		**6" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2794	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	33.74	12.97
23 21 13 23-2795	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	31.51	13.78
23 21 13 23-2796	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	39.17	15.28
23 21 13 23-2797	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	50.65	18.37
23 21 13 23-2798	EA	1" Diameter, 6" Length, Chrome Plated Nipple	76.87	22.97
23 21 13 23-2799	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	108.32	30.66
23 21 13 23-2800	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	131.45	35.25
23 21 13 23-2801	EA	2" Diameter, 6" Length, Chrome Plated Nipple	158.34	42.95
23 21 13 23-2802		**8" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2803	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	37.68	14.58
23 21 13 23-2804	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	55.98	16.07
23 21 13 23-2805	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	68.09	19.17
23 21 13 23-2806	EA	1" Diameter, 8" Length, Chrome Plated Nipple	90.59	23.76
23 21 13 23-2807	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	130.11	31.35
23 21 13 23-2808	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	159.95	35.94
23 21 13 23-2809	EA	2" Diameter, 8" Length, Chrome Plated Nipple	197.13	43.63
23 21 13 23-2810		**10" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2811	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	43.60	14.58
23 21 13 23-2812	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	63.44	16.07
23 21 13 23-2813	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	76.71	19.17
23 21 13 23-2814	EA	1" Diameter, 10" Length, Chrome Plated Nipple	103.64	23.76
23 21 13 23-2815	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	158.04	31.35
23 21 13 23-2816	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	181.22	35.94
23 21 13 23-2817	EA	2" Diameter, 10" Length, Chrome Plated Nipple	231.14	43.63
23 21 13 23-2818		**12" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2819	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	48.66	16.07
23 21 13 23-2820	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	66.40	16.88
23 21 13 23-2821	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	84.79	19.87
23 21 13 23-2822	EA	1" Diameter, 12" Length, Chrome Plated Nipple	121.80	25.26
23 21 13 23-2823	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	177.44	32.96
23 21 13 23-2824	EA	2" Diameter, 12" Length, Chrome Plated Nipple	260.66	45.24
23 21 13 23-2825		**18" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2826	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	62.24	16.88
23 21 13 23-2827		**24" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2828	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	75.25	17.57
23 21 13 23-2829		**30" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2830	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	83.53	18.37
23 21 13 23-2831		**36" Nipples** *(23 21 13 23-2707)*		
23 21 13 23-2832	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	91.83	19.17
23 21 13 23-2833		**Chrome Plated Fittings** *(23 21 13 23-2706)*		
23 21 13 23-2834		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2833)*		
23 21 13 23-2835	EA	1/4" 90 Degree Elbow, Chrome Plated	26.01	10.67
23 21 13 23-2836	EA	3/8" 90 Degree Elbow, Chrome Plated	26.52	11.48
23 21 13 23-2837	EA	1/2" 90 Degree Elbow, Chrome Plated	29.86	12.28
23 21 13 23-2838	EA	3/4" 90 Degree Elbow, Chrome Plated	38.11	16.07
23 21 13 23-2839	EA	1" 90 Degree Elbow, Chrome Plated	51.77	20.66
23 21 13 23-2840	EA	1-1/4" 90 Degree Elbow, Chrome Plated	79.72	28.36
23 21 13 23-2841	EA	1-1/2" 90 Degree Elbow, Chrome Plated	95.79	32.96
23 21 13 23-2842	EA	2" 90 Degree Elbow, Chrome Plated	131.25	40.65
23 21 13 23-2843		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2833)*		
23 21 13 23-2844	EA	1/4" Street 90 Degree Elbow, Chrome Plated	30.18	10.67
23 21 13 23-2845	EA	3/8" Street 90 Degree Elbow, Chrome Plated	31.09	11.48
23 21 13 23-2846	EA	1/2" Street 90 Degree Elbow, Chrome Plated	33.04	12.28
23 21 13 23-2847	EA	3/4" Street 90 Degree Elbow, Chrome Plated	42.79	16.07
23 21 13 23-2848	EA	1" Street 90 Degree Elbow, Chrome Plated	60.41	20.66
23 21 13 23-2849	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	88.57	28.36
23 21 13 23-2850	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	108.21	32.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2851	EA	2" Street 90 Degree Elbow, Chrome Plated	160.47	40.65
23 21 13 23-2852		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2833)*		
23 21 13 23-2853	EA	1/4" 45 Degree Elbow, Chrome Plated	26.93	10.67
23 21 13 23-2854	EA	3/8" 45 Degree Elbow, Chrome Plated	27.84	11.48
23 21 13 23-2855	EA	1/2" 45 Degree Elbow, Chrome Plated	30.81	12.28
23 21 13 23-2856	EA	3/4" 45 Degree Elbow, Chrome Plated	41.68	16.07
23 21 13 23-2857	EA	1" 45 Degree Elbow, Chrome Plated	55.77	20.66
23 21 13 23-2858	EA	1-1/4" 45 Degree Elbow, Chrome Plated	84.52	28.36
23 21 13 23-2859	EA	1-1/2" 45 Degree Elbow, Chrome Plated	102.22	32.96
23 21 13 23-2860	EA	2" 45 Degree Elbow, Chrome Plated	148.93	40.65
23 21 13 23-2861		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2833)*		
23 21 13 23-2862	EA	1/2" Street 45 Degree Elbow, Chrome Plated	36.53	12.28
23 21 13 23-2863		**Chrome Plated Couplings** *(23 21 13 23-2833)*		
23 21 13 23-2864	EA	1/4" Coupling, Chrome Plated	25.44	10.67
23 21 13 23-2865	EA	3/8" Coupling, Chrome Plated	26.59	11.48
23 21 13 23-2866	EA	1/2" Coupling, Chrome Plated	30.10	12.28
23 21 13 23-2867	EA	3/4" Coupling, Chrome Plated	38.19	16.07
23 21 13 23-2868	EA	1" Coupling, Chrome Plated	49.79	20.66
23 21 13 23-2869	EA	1-1/4" Coupling, Chrome Plated	72.51	28.36
23 21 13 23-2870	EA	1-1/2" Coupling, Chrome Plated	89.76	32.96
23 21 13 23-2871	EA	2" Coupling, Chrome Plated	123.89	40.65
23 21 13 23-2872		**Chrome Plated Unions** *(23 21 13 23-2833)*		
23 21 13 23-2873	EA	1/4" Union, Chrome Plated	41.00	12.28
23 21 13 23-2874	EA	3/8" Union, Chrome Plated	42.18	12.97
23 21 13 23-2875	EA	1/2" Union, Chrome Plated	51.02	14.58
23 21 13 23-2876	EA	3/4" Union, Chrome Plated	63.23	19.17
23 21 13 23-2877	EA	1" Union, Chrome Plated	79.96	24.46
23 21 13 23-2878	EA	1-1/4" Union, Chrome Plated	129.86	32.96
23 21 13 23-2879	EA	1-1/2" Union, Chrome Plated	161.74	39.04
23 21 13 23-2880	EA	2" Union, Chrome Plated	211.17	47.54
23 21 13 23-2881		**Chrome Plated Caps** *(23 21 13 23-2833)*		
23 21 13 23-2882	EA	1/4" Cap, Chrome Plated	17.18	5.40
23 21 13 23-2883	EA	3/8" Cap, Chrome Plated	17.75	5.74
23 21 13 23-2884	EA	1/2" Cap, Chrome Plated	20.27	6.08
23 21 13 23-2885	EA	3/4" Cap, Chrome Plated	25.29	8.04
23 21 13 23-2886	EA	1" Cap, Chrome Plated	30.03	10.33
23 21 13 23-2887	EA	1-1/4" Cap, Chrome Plated	44.36	14.13
23 21 13 23-2888	EA	1-1/2" Cap, Chrome Plated	58.51	16.42
23 21 13 23-2889	EA	2" Cap, Chrome Plated	85.61	21.47
23 21 13 23-2890		**Chrome Plated Plugs** *(23 21 13 23-2833)*		
23 21 13 23-2891	EA	1/4" Plug, Chrome Plated	14.00	5.40
23 21 13 23-2892	EA	3/8" Plug, Chrome Plated	14.57	5.74
23 21 13 23-2893	EA	1/2" Plug, Chrome Plated	16.93	6.08
23 21 13 23-2894	EA	3/4" Plug, Chrome Plated	22.91	8.04
23 21 13 23-2895	EA	1" Plug, Chrome Plated	28.22	10.33
23 21 13 23-2896	EA	1-1/4" Plug, Chrome Plated	38.09	14.13
23 21 13 23-2897	EA	1-1/2" Plug, Chrome Plated	47.04	16.42
23 21 13 23-2898	EA	2" Plug, Chrome Plated	65.67	21.47
23 21 13 23-2899		**Chrome Plated Tees** *(23 21 13 23-2833)*		
23 21 13 23-2900	EA	1/4" Chrome Plated Tee	36.10	16.07
23 21 13 23-2901	EA	3/8" Chrome Plated Tee	38.40	17.57
23 21 13 23-2902	EA	1/2" Chrome Plated Tee	42.81	19.17
23 21 13 23-2903	EA	3/4" Chrome Plated Tee	53.33	23.76
23 21 13 23-2904	EA	1" Chrome Plated Tee	75.94	30.66
23 21 13 23-2905	EA	1-1/4" Chrome Plated Tee	104.68	42.14
23 21 13 23-2906	EA	1-1/2" Chrome Plated Tee	134.19	49.03
23 21 13 23-2907	EA	2" Chrome Plated Tee	184.31	60.51
23 21 13 23-2908		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2833)*		
23 21 13 23-2909	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	40.69	19.17
23 21 13 23-2910	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	47.59	23.76
23 21 13 23-2911		**Chrome Plated Bell Reducers** *(23 21 13 23-2833)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2912	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	44.54	19.17
23 21 13 23-2913	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	54.20	23.76
23 21 13 23-2914	EA	1" x 1/2" Bell Reducer, Chrome Plated	68.85	30.66
23 21 13 23-2915		Chrome Plated Reducing Tees *(23 21 13 23-2833)*		
23 21 13 23-2916	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	59.07	23.76
23 21 13 23-2917		Chrome Plated Bushings *(23 21 13 23-2833)*		
23 21 13 23-2918	EA	3/8" x 1/4" Bushing, Chrome Plated	13.90	5.40
23 21 13 23-2919	EA	1/2" x 1/4" Bushing, Chrome Plated	14.97	5.74
23 21 13 23-2920	EA	1/2" x 3/8" Bushing, Chrome Plated	15.54	6.08
23 21 13 23-2921	EA	3/4" x 1/2" Bushing, Chrome Plated	19.75	8.04
23 21 13 23-2922	EA	1" x 3/4" Bushing, Chrome Plated	28.83	10.33
23 21 13 23-2923	EA	1-1/4" x 1" Bushing, Chrome Plated	42.21	14.13
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		Air Vents *(23 21 16)*		
23 21 16 00-0002		Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	384.13	33.31
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	468.73	44.22
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	1,098.71	45.95
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,627.69	70.99
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,737.02	76.39
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	3,135.61	100.74
23 21 16 00-0009		Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,696.70	38.48
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,382.58	44.22
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	4,041.13	45.95
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,633.85	71.22
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,665.89	76.39
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	11,278.44	100.50
23 21 16 00-0016		Automatic Air Vent *(23 21 16 00-0001)*		
23 21 16 00-0017	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	246.83	44.22
23 21 16 00-0018	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	270.46	45.95
23 21 16 00-0019	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	382.49	70.99
23 21 16 00-0020	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	473.80	76.39
23 21 16 00-0021	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	606.09	82.31
23 21 16 00-0022		Manual Air Vent *(23 21 16 00-0001)*		
23 21 16 00-0023	EA	Manual Air Vent	79.24	41.46
23 21 16 00-0024		Air Release Valves *(23 21 16 00-0001)*		
23 21 16 00-0025		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	197.46	17.23
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	202.06	19.52
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	211.24	24.13
23 21 16 00-0029		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	809.94	24.13
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	971.29	41.93
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,273.54	97.75
23 21 16 00-0033		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	391.51	17.23
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	482.91	24.13
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	834.17	41.93
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,211.44	97.75
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,894.63	164.10
23 21 16 00-0039	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,885.48	207.50

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0040		**Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice** *(23 21 16 00-0024)* Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	700.24	24.13
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,074.79	41.93
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	1,974.70	97.75
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,559.56	164.10
23 21 16 00-0045		**Vent Valves** *(23 21 16)*		
23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	81.30	17.23
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	198.93	18.53
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	189.54	18.53
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	196.11	18.53
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	253.63	18.53
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	186.96	18.53
23 21 16 00-0052		**Threaded Inlet, Drip-Pan Elbow** *(23 21 16)*		
23 21 16 00-0053		**Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)*		
23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	285.86	28.97
		For Flanged Inlet, Add	*116.35*	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	322.12	34.33
		For Flanged Inlet, Add	*124.90*	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	407.95	39.70
		For Flanged Inlet, Add	*168.50*	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	617.85	45.06
		For Flanged Inlet, Add	*296.47*	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	696.56	53.65
		For Flanged Inlet, Add	*327.73*	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	972.57	67.60
		For Flanged Inlet, Add	*478.94*	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	2,231.85	89.05
		For Flanged Inlet, Add	*1,274.46*	
23 21 16 00-0061		**Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)*		
23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,340.87	28.97
		For Flanged Inlet, Add	*833.75*	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,624.16	34.33
		For Flanged Inlet, Add	*1,010.29*	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,374.36	39.70
		For Flanged Inlet, Add	*1,505.66*	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,396.07	45.06
		For Flanged Inlet, Add	*1,505.66*	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,518.24	53.65
		For Flanged Inlet, Add	*2,246.48*	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,571.88	67.60
		For Flanged Inlet, Add	*2,246.48*	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	6,030.81	89.05
		For Flanged Inlet, Add	*3,857.75*	
23 21 16 00-0069		**Y-Type Strainers** *(23 21 16)*		
23 21 16 00-0070		**Screwed Ends, 250 LB, Iron Body, Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	80.29	12.86
		For Galvanized Body, Add	*21.77*	
		For Work In Restricted Working Space, Add	*11.03*	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	80.86	13.10
		For Galvanized Body, Add	*21.77*	
		For Work In Restricted Working Space, Add	*11.20*	
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	102.50	17.69
		For Galvanized Body, Add	*25.98*	
		For Work In Restricted Working Space, Add	*15.16*	
23 21 16 00-0074	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	130.51	21.13
		For Galvanized Body, Add	*35.11*	
		For Work In Restricted Working Space, Add	*18.09*	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	170.86	26.13
		For Galvanized Body, Add	*48.10*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	196.26	28.15
		For Galvanized Body, Add	*57.93*	
		For Work In Restricted Working Space, Add	*24.12*	
23 21 16 00-0077	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	270.23	32.16
		For Galvanized Body, Add	*89.17*	
		For Work In Restricted Working Space, Add	*27.57*	
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	515.79	40.20
		For Galvanized Body, Add	*200.46*	
		For Work In Restricted Working Space, Add	*34.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0079	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	667.38	50.31
		For Galvanized Body, Add	*261.90*	
		For Work In Restricted Working Space, Add	*43.07*	

23 21 16 00-0080 Flanged, 125 LB, Iron Body , Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0081	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer	411.86	120.61
		For Galvanized Body, Add	*130.36*	
		For Work In Restricted Working Space, Add	*45.34*	
23 21 16 00-0082	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer	473.58	153.12
		For Galvanized Body, Add	*141.07*	
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0083	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer	917.00	195.28
		For Galvanized Body, Add	*336.31*	
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0084	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,173.52	327.37
		For Galvanized Body, Add	*381.64*	
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0085	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,265.49	329.75
		For Galvanized Body, Add	*426.97*	
		For Work In Restricted Working Space, Add	*123.47*	
23 21 16 00-0086	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,520.16	366.39
		For Galvanized Body, Add	*530.27*	
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0087	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer	2,670.30	468.16
		For Galvanized Body, Add	*1,044.37*	
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0088	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer	5,367.83	569.94
		For Galvanized Body, Add	*2,327.71*	
		For Work In Restricted Working Space, Add	*213.73*	
23 21 16 00-0089	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer	5,858.33	508.87
		For Galvanized Body, Add	*2,420.30*	
		For Work In Restricted Working Space, Add	*305.32*	

23 21 16 00-0090 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0091	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	71.43	13.10
		For 300 LB Rating, Add	*57.97*	
		For Work In Restricted Working Space, Add	*11.20*	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	94.87	17.69
		For 300 LB Rating, Add	*75.36*	
		For Work In Restricted Working Space, Add	*15.16*	
23 21 16 00-0093	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	116.14	21.13
		For 300 LB Rating, Add	*94.93*	
		For Work In Restricted Working Space, Add	*18.09*	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	158.56	26.13
		For 300 LB Rating, Add	*142.61*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	189.37	28.15
		For 300 LB Rating, Add	*185.23*	
		For Work In Restricted Working Space, Add	*24.12*	
23 21 16 00-0096	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	254.13	32.16
		For 300 LB Rating, Add	*275.81*	
		For Work In Restricted Working Space, Add	*27.57*	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	358.28	40.20
		For 300 LB Rating, Add	*413.80*	
		For Work In Restricted Working Space, Add	*34.46*	
23 21 16 00-0098	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	648.25	50.31
		For 300 LB Rating, Add	*857.94*	
		For Work In Restricted Working Space, Add	*43.07*	
23 21 16 00-0099	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	1,130.09	60.30
		For 300 LB Rating, Add	*1,628.24*	
		For Work In Restricted Working Space, Add	*51.69*	

23 21 16 00-0100 Flanged, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With bolted cap.

23 21 16 00-0101	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	615.08	153.12
		For 300 LB Rating, Add	*254.18*	
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	640.46	166.56
		For 300 LB Rating, Add	*258.97*	
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0103	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer	738.64	195.28
		For 300 LB Rating, Add	*296.55*	
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0104	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,611.18	327.37
		For 300 LB Rating, Add	*720.56*	
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0105	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer	2,280.04	366.39
		For 300 LB Rating, Add	*1,092.25*	
		For Work In Restricted Working Space, Add	*137.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0106	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer	3,688.26	468.16
		For 300 LB Rating, Add	*1,864.01*	
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0107	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer	11,862.75	569.94
		For 300 LB Rating, Add	*6,690.20*	
		For Work In Restricted Working Space, Add	*213.73*	
23 21 16 00-0108		Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0069)*		
23 21 16 00-0109		Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0108)*		
23 21 16 00-0110	EA	1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	163.57	12.63
		For Work In Restricted Working Space, Add	*11.02*	
23 21 16 00-0111	EA	3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	191.09	17.34
		For Work In Restricted Working Space, Add	*14.81*	
23 21 16 00-0112	EA	1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	222.43	23.54
		For Work In Restricted Working Space, Add	*20.33*	
23 21 16 00-0113	EA	1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	356.33	25.26
		For Work In Restricted Working Space, Add	*21.70*	
23 21 16 00-0114	EA	1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	359.59	27.33
		For Work In Restricted Working Space, Add	*23.42*	
23 21 16 00-0115	EA	2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	422.03	31.00
		For Work In Restricted Working Space, Add	*26.52*	
23 21 16 00-0116	EA	2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	908.89	40.19
		For Work In Restricted Working Space, Add	*34.45*	
23 21 16 00-0117	EA	3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	887.96	50.29
		For Work In Restricted Working Space, Add	*43.06*	
23 21 16 00-0118	EA	4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,456.86	53.51
		For Work In Restricted Working Space, Add	*45.81*	
23 21 16 00-0119		Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0108)*		
23 21 16 00-0120	EA	2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	697.72	71.77
		For Work In Restricted Working Space, Add	*43.06*	
23 21 16 00-0121	EA	2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,397.56	93.58
		For Work In Restricted Working Space, Add	*56.15*	
23 21 16 00-0122	EA	3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,394.05	195.20
		For Work In Restricted Working Space, Add	*73.29*	
23 21 16 00-0123	EA	4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	2,262.91	327.24
		For Work In Restricted Working Space, Add	*123.02*	
23 21 16 00-0124		Class 125, Crimped Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*		
		Note: Nibco®		
23 21 16 00-0125	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	178.55	11.48
		For Work In Restricted Working Space, Add	*7.75*	
23 21 16 00-0126	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	206.91	12.63
		For Work In Restricted Working Space, Add	*8.83*	
23 21 16 00-0127	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	295.70	14.35
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0128	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	397.89	15.28
		For Work In Restricted Working Space, Add	*11.63*	
23 21 16 00-0129	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	479.67	17.68
		For Work In Restricted Working Space, Add	*12.92*	
23 21 16 00-0130	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	712.42	20.89
		For Work In Restricted Working Space, Add	*15.50*	
23 21 16 00-0131		250 PSI, Crimped Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*		
23 21 16 00-0132	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	75.20	11.48
23 21 16 00-0133	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	91.65	12.63
23 21 16 00-0134	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	133.87	14.35
23 21 16 00-0135	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	163.39	15.28
23 21 16 00-0136	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	194.80	17.68
23 21 16 00-0137	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	255.54	20.89
23 21 16 00-0138		Cast Iron Body, Suction Diffusers *(23 21 16)*		
		Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0139	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	537.76	45.26
		For Work In Restricted Working Space, Add	*22.16*	
23 21 16 00-0140	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	564.50	50.20
		For Work In Restricted Working Space, Add	*24.62*	
23 21 16 00-0141	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	573.27	52.72
		For Work In Restricted Working Space, Add	*25.85*	
23 21 16 00-0142	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,080.96	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0143	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	591.82	61.34
		For Work In Restricted Working Space, Add	*30.03*	
23 21 16 00-0144	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	670.68	61.34
		For Work In Restricted Working Space, Add	*30.03*	
23 21 16 00-0145	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,131.22	181.29
		For Work In Restricted Working Space, Add	*67.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0146	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,153.63	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0147	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,398.91	261.85
		For Work In Restricted Working Space, Add	*98.19*	
23 21 16 00-0148	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,644.20	327.37
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0149	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,886.75	329.24
		For Work In Restricted Working Space, Add	*123.47*	
23 21 16 00-0150	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	2,282.73	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0151	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	2,576.32	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0152	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	4,009.76	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0153	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	4,576.67	569.94
		For Work In Restricted Working Space, Add	*213.73*	
23 21 16 00-0154	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	5,360.66	569.94
		For Work In Restricted Working Space, Add	*213.73*	

23 21 16 00-0155 Duplex Strainers *(23 21 16)*

23 21 16 00-0156 Iron Body, Duplex Strainers *(23 21 16 00-0155)*

23 21 16 00-0157 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*

Note: With brass or stainless steel basket.

23 21 16 00-0158	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	926.85	28.60
		For Work In Restricted Working Space, Add	*17.17*	
23 21 16 00-0159	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,034.78	32.74
		For Work In Restricted Working Space, Add	*19.66*	
23 21 16 00-0160	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,403.98	38.48
		For Work In Restricted Working Space, Add	*23.08*	
23 21 16 00-0161	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,768.72	41.93
		For Work In Restricted Working Space, Add	*25.16*	
23 21 16 00-0162	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,371.70	51.11
		For Work In Restricted Working Space, Add	*30.77*	
23 21 16 00-0163	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,984.32	65.48
		For Work In Restricted Working Space, Add	*39.27*	

23 21 16 00-0164 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*

Note: With brass or stainless steel basket.

23 21 16 00-0165	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	3,226.02	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0166	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	3,334.01	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0167	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	4,275.40	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0168	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	6,704.40	290.05
		For Work In Restricted Working Space, Add	*109.04*	
23 21 16 00-0169	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	13,141.45	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0170	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	25,039.39	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0171	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	34,591.02	569.94
		For Work In Restricted Working Space, Add	*213.73*	
23 21 16 00-0172	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	39,120.64	718.53
		For Work In Restricted Working Space, Add	*431.25*	
23 21 16 00-0173	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	46,672.33	814.20
		For Work In Restricted Working Space, Add	*305.32*	
23 21 16 00-0174	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	58,368.91	895.61
		For Work In Restricted Working Space, Add	*335.85*	

23 21 16 00-0175 Bronze Body, Duplex Strainers *(23 21 16 00-0155)*

23 21 16 00-0176 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0175)*

Note: With brass or stainless steel basket.

23 21 16 00-0177	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,733.05	28.72
		For Work In Restricted Working Space, Add	*17.17*	
23 21 16 00-0178	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,922.51	32.74
		For Work In Restricted Working Space, Add	*19.66*	
23 21 16 00-0179	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,817.10	38.48
		For Work In Restricted Working Space, Add	*23.08*	
23 21 16 00-0180	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	3,707.23	41.93
		For Work In Restricted Working Space, Add	*25.16*	
23 21 16 00-0181	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	4,790.31	51.11
		For Work In Restricted Working Space, Add	*30.77*	
23 21 16 00-0182	EA	2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	5,883.03	65.48
		For Work In Restricted Working Space, Add	*39.27*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0183		Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0175)* Note: With brass or stainless steel basket.		
23 21 16 00-0184	EA	2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	6,713.52	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0185	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	6,912.09	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0186	EA	3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	9,484.01	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0187	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	14,947.58	290.05
		For Work In Restricted Working Space, Add	*109.04*	
23 21 16 00-0188	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	32,526.53	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0189		Cast Steel Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0190		Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)* Note: With brass or stainless steel basket.		
23 21 16 00-0191	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,703.14	32.74
		For Work In Restricted Working Space, Add	*19.66*	
23 21 16 00-0192	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,329.95	38.48
		For Work In Restricted Working Space, Add	*23.07*	
23 21 16 00-0193	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,952.36	41.93
		For Work In Restricted Working Space, Add	*25.16*	
23 21 16 00-0194	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	6,696.58	51.11
		For Work In Restricted Working Space, Add	*30.77*	
23 21 16 00-0195		Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)* Note: With brass or stainless steel basket.		
23 21 16 00-0196	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	6,829.42	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0197	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	7,506.22	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0198	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	9,871.66	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0199	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	14,474.68	290.05
		For Work In Restricted Working Space, Add	*109.04*	
23 21 16 00-0200	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	24,725.61	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0201	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	48,234.35	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0202		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0203		Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)* Note: With stainless steel basket.		
23 21 16 00-0204	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,489.42	32.74
		For Work In Restricted Working Space, Add	*19.66*	
23 21 16 00-0205	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,201.93	38.48
		For Work In Restricted Working Space, Add	*23.07*	
23 21 16 00-0206	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,898.14	41.93
		For Work In Restricted Working Space, Add	*25.16*	
23 21 16 00-0207	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,864.88	51.11
		For Work In Restricted Working Space, Add	*30.77*	
23 21 16 00-0208		Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)* Note: With stainless steel basket.		
23 21 16 00-0209	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,608.04	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0210	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,458.17	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0211	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,367.47	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0212	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,434.60	290.05
		For Work In Restricted Working Space, Add	*109.04*	
23 21 16 00-0213	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,750.45	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0214	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,598.04	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0215		Pressure Regulating Valve *(23 21 16)*		
23 21 16 00-0216		Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0215)* Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0217	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	227.33	14.35
		For Work In Restricted Working Space, Add	*17.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0218	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	280.36	16.07
		For Work In Restricted Working Space, Add	*19.14*	
23 21 16 00-0219	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	369.48	17.22
		For Work In Restricted Working Space, Add	*20.26*	
23 21 16 00-0220	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	634.67	19.29
		For Work In Restricted Working Space, Add	*22.97*	
23 21 16 00-0221	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	861.76	22.97
		For Work In Restricted Working Space, Add	*27.56*	
23 21 16 00-0222	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,234.68	35.21
		For Work In Restricted Working Space, Add	*42.29*	
23 21 16 00-0223	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,342.94	39.65
		For Work In Restricted Working Space, Add	*47.58*	
23 21 16 00-0224	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,475.55	114.72
		For Work In Restricted Working Space, Add	*52.87*	

23 21 16 00-0225 Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0215)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0226 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

23 21 16 00-0227	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	383.11	19.30
		For Work In Restricted Working Space, Add	*23.13*	
23 21 16 00-0228	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	479.60	27.34
		For Work In Restricted Working Space, Add	*32.82*	
23 21 16 00-0229	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	616.55	33.31
		For Work In Restricted Working Space, Add	*40.07*	
23 21 16 00-0230	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	825.22	40.44
		For Work In Restricted Working Space, Add	*46.57*	
23 21 16 00-0231	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,108.15	45.95
		For Work In Restricted Working Space, Add	*53.02*	
23 21 16 00-0232	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,296.13	64.38
		For Work In Restricted Working Space, Add	*64.38*	

23 21 16 00-0233 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0234	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	2,990.82	155.58
		For Work In Restricted Working Space, Add	*58.52*	
23 21 16 00-0235	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,719.03	182.40
		For Work In Restricted Working Space, Add	*68.49*	
23 21 16 00-0236	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,782.79	305.79
		For Work In Restricted Working Space, Add	*114.96*	
23 21 16 00-0237	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	11,925.43	372.27
		For Work In Restricted Working Space, Add	*140.10*	

23 21 16 00-0238 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0215)*

23 21 16 00-0239 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0238)*

23 21 16 00-0240	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,168.06	14.01
		For Work In Restricted Working Space, Add	*21.02*	
23 21 16 00-0241	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,213.56	14.01
		For Work In Restricted Working Space, Add	*21.02*	
23 21 16 00-0242	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,358.33	17.69
		For Work In Restricted Working Space, Add	*26.54*	
23 21 16 00-0243	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,771.71	22.51
		For Work In Restricted Working Space, Add	*33.77*	
23 21 16 00-0244	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,173.16	25.96
		For Work In Restricted Working Space, Add	*38.94*	
23 21 16 00-0245	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,934.23	30.55
		For Work In Restricted Working Space, Add	*45.83*	

23 21 16 00-0246 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0238)*

23 21 16 00-0247	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,861.22	155.58
		For Work In Restricted Working Space, Add	*58.52*	
23 21 16 00-0248	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,996.51	182.40
		For Work In Restricted Working Space, Add	*68.49*	
23 21 16 00-0249	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,083.56	305.79
		For Work In Restricted Working Space, Add	*114.96*	
23 21 16 00-0250	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	19,985.93	372.27
		For Work In Restricted Working Space, Add	*140.10*	

23 21 16 00-0251 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves *(23 21 16 00-0215)*

23 21 16 00-0252	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	255.27	14.92
23 21 16 00-0253	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	315.97	16.53
23 21 16 00-0254	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	419.13	17.57
23 21 16 00-0255	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	726.44	19.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0256	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	988.32	23.88
23 21 16 00-0257	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,414.51	36.58
23 21 16 00-0258	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,532.38	39.86
23 21 16 00-0259	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,689.20	45.89
23 21 16 00-0260		Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0215)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0261	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	208.31	14.35
23 21 16 00-0262	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	228.85	16.07
23 21 16 00-0263	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	285.71	17.79
23 21 16 00-0264	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	686.73	19.29
23 21 16 00-0265	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	743.29	22.97
23 21 16 00-0266	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,168.40	35.21
23 21 16 00-0267		Plastic Pressure Regulator *(23 21 16 00-0215)*		
23 21 16 00-0268		Polyvinyl Chloride (PVC) Pressure Regulator Valves *(23 21 16 00-0267)*		
23 21 16 00-0269	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	272.30	17.22
23 21 16 00-0270	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	301.64	23.88
23 21 16 00-0271	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	535.14	28.71
23 21 16 00-0272	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve	604.05	38.34
23 21 16 00-0273	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	713.87	45.93
23 21 16 00-0274	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	875.05	71.77
23 21 16 00-0275		Polypropylene Pressure Regulator Valves *(23 21 16 00-0267)*		
23 21 16 00-0276	EA	1/4" Polypropylene Pressure Regulator Valve	346.94	17.22
23 21 16 00-0277	EA	1/2" Polypropylene Pressure Regulator Valve	426.05	24.12
23 21 16 00-0278	EA	3/4" Polypropylene Pressure Regulator Valve	653.58	28.71
23 21 16 00-0279	EA	1" Polypropylene Pressure Regulator Valve	773.25	38.34
23 21 16 00-0280	EA	1-1/2" Polypropylene Pressure Regulator Valve	902.97	45.93
23 21 16 00-0281	EA	2" Polypropylene Pressure Regulator Valve	1,117.90	71.77
23 21 16 00-0282		Teflon (PTFE) Pressure Regulator Valves *(23 21 16 00-0267)*		
23 21 16 00-0283	EA	1/4" Teflon (PTFE) Pressure Regulator Valve	740.08	17.22
23 21 16 00-0284	EA	1/2" Teflon (PTFE) Pressure Regulator Valve	849.04	23.88
23 21 16 00-0285	EA	3/4" Teflon Pressure Regulator Valve	1,430.90	28.71
23 21 16 00-0286	EA	1" Teflon (PTFE) Pressure Regulator Valve	1,977.53	38.34
23 21 16 00-0287	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve	2,385.94	45.93
23 21 16 00-0288	EA	2" Teflon (PTFE) Pressure Regulator Valve	3,338.37	71.77
23 21 16 00-0289		Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves *(23 21 16 00-0267)*		
23 21 16 00-0290	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	243.04	17.22
23 21 16 00-0291	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	278.89	23.88
23 21 16 00-0292	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	448.34	28.71
23 21 16 00-0293	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	532.79	38.23
23 21 16 00-0294	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	620.20	45.93
23 21 16 00-0295		Dual Unit Reducing And Relief Valve *(23 21 16)*		
23 21 16 00-0296	EA	1/2" Dual Unit Reducing And Relief Valve	234.57	35.04
23 21 16 00-0297		Safety Relief Valve *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0298		Threaded Inlet, Bronze Body Safety Valves *(23 21 16 00-0297)*		
		Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0299	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	83.53	14.35
23 21 16 00-0300	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	118.15	15.79
23 21 16 00-0301	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	172.79	19.23
23 21 16 00-0302	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	226.09	20.38
23 21 16 00-0303	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	311.79	27.27
23 21 16 00-0304	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	420.88	32.15
23 21 16 00-0305	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	475.03	40.19
23 21 16 00-0306		Plastic Pressure Relief Valves *(23 21 16 00-0297)*		
23 21 16 00-0307		Polyvinyl Chloride (PVC) Pressure Relief Valves *(23 21 16 00-0306)*		
23 21 16 00-0308	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	224.19	17.22
23 21 16 00-0309	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	246.90	24.12
23 21 16 00-0310	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	463.82	28.71
23 21 16 00-0311	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve	549.31	38.47
23 21 16 00-0312	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	713.87	45.93
23 21 16 00-0313	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve	889.98	71.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0314		**Polypropylene Pressure Relief Valves** *(23 21 16 00-0306)*		
23 21 16 00-0315	EA	1/4" Polypropylene Pressure Relief Valve	257.37	17.22
23 21 16 00-0316	EA	1/2" Polypropylene Pressure Relief Valve	296.66	23.88
23 21 16 00-0317	EA	3/4" Polypropylene Pressure Relief Valve	579.93	28.71
23 21 16 00-0318	EA	1" Polypropylene Pressure Relief Valve	673.72	38.34
23 21 16 00-0319	EA	1-1/2" Polypropylene Pressure Relief Valve	1,186.63	45.93
23 21 16 00-0320	EA	2" Polypropylene Pressure Relief Valve	1,453.97	71.77
23 21 16 00-0321		**Teflon (PTFE) Pressure Relief Valves** *(23 21 16 00-0306)*		
23 21 16 00-0322	EA	1/4" Teflon (PTFE) Pressure Relief Valve	456.42	17.22
23 21 16 00-0323	EA	1/2" Teflon (PTFE) Pressure Relief Valve	504.01	23.88
23 21 16 00-0324	EA	3/4" Teflon (PTFE) Pressure Relief Valve	953.16	28.71
23 21 16 00-0325	EA	1" Teflon (PTFE) Pressure Relief Valve	1,121.59	38.34
23 21 16 00-0326	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve	1,833.56	45.93
23 21 16 00-0327	EA	2" Teflon (PTFE) Pressure Relief Valve	2,366.31	71.77
23 21 16 00-0328		**Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves** *(23 21 16 00-0306)*		
23 21 16 00-0329	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	233.06	23.88
23 21 16 00-0330	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	266.04	28.71
23 21 16 00-0331	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	324.18	38.23
23 21 16 00-0332	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	415.49	45.93
23 21 16 00-0333	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	526.65	71.77
23 21 16 00-0334		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0335	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	96.19	29.28
		For Cast Iron Body, Add	*60.44*	
23 21 16 00-0336	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	124.76	35.13
		For Cast Iron Body, Add	*84.19*	
23 21 16 00-0337	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	183.82	46.84
		For Cast Iron Body, Add	*134.09*	
23 21 16 00-0338	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	310.00	50.18
		For Cast Iron Body, Add	*284.98*	
23 21 16 00-0339	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	527.93	56.26
		For Cast Iron Body, Add	*545.14*	
23 21 16 00-0340	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	607.05	80.89
		For Cast Iron Body, Add	*593.60*	
23 21 16 00-0341		**Thermostatic Radiator Valves** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0342	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	84.85	18.53
23 21 16 00-0343	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	103.60	24.97
23 21 16 00-0344	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	137.52	30.23
23 21 16 00-0345	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	212.18	38.30
23 21 16 00-0346	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	84.85	18.53
23 21 16 00-0347	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	103.60	24.97
23 21 16 00-0348	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	137.52	30.23
23 21 16 00-0349	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	212.18	38.30
23 21 16 00-0350	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	86.08	14.35
23 21 16 00-0351	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	144.26	20.10
23 21 16 00-0352		**Radiator Trap Repair Kits** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0353	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	150.92	
23 21 16 00-0354	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	188.64	
23 21 16 00-0355	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	191.63	
23 21 16 00-0356	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	217.74	
23 21 16 00-0357	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	517.30	
23 21 16 00-0358		**Horizontal Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0359	EA	10 Gallon Horizontal Steel Expansion Tank	835.20	114.87
23 21 16 00-0360	EA	15 Gallon Horizontal Steel Expansion Tank	1,195.37	143.58
23 21 16 00-0361	EA	30 Gallon Horizontal Steel Expansion Tank	1,578.29	172.30
23 21 16 00-0362	EA	40 Gallon Horizontal Steel Expansion Tank	1,814.78	201.02
23 21 16 00-0363	EA	60 Gallon Horizontal Steel Expansion Tank	2,108.06	203.54
23 21 16 00-0364		**Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0365	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,588.88	86.15
23 21 16 00-0366	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,658.76	100.50
23 21 16 00-0367	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,474.46	114.87
23 21 16 00-0368	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,575.83	129.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0369	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,493.24	143.58
23 21 16 00-0370	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,684.19	157.94
23 21 16 00-0371	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,381.24	172.30
23 21 16 00-0372	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,688.43	186.65
23 21 16 00-0373	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,167.54	201.02
23 21 16 00-0374	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,312.15	229.73
23 21 16 00-0375	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,665.08	258.45
23 21 16 00-0376	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,642.68	287.17
23 21 16 00-0377	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,871.44	344.60
23 21 16 00-0378		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0379	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,811.66	86.15
23 21 16 00-0380	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,869.43	100.50
23 21 16 00-0381	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,677.87	114.87
23 21 16 00-0382	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,859.14	129.22
23 21 16 00-0383	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,636.10	143.58
23 21 16 00-0384	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,824.63	157.94
23 21 16 00-0385	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,664.56	172.30
23 21 16 00-0386	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,041.97	186.65
23 21 16 00-0387	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,576.78	201.02
23 21 16 00-0388	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,714.12	229.73
23 21 16 00-0389	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,030.73	258.45
23 21 16 00-0390	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,158.46	287.17
23 21 16 00-0391	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,396.90	344.60
23 21 16 00-0392		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0393	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	103.28	10.58
23 21 16 00-0394	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	148.57	10.58
23 21 16 00-0395		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0396	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,209.56	344.71
23 21 16 00-0397	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,262.47	344.71
23 21 16 00-0398	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,315.38	344.71
23 21 16 00-0399	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,452.92	344.71
23 21 16 00-0400	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,729.85	459.34
23 21 16 00-0401	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,046.55	459.58
23 21 16 00-0402	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,109.39	459.58
23 21 16 00-0403	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,172.24	459.58
23 21 16 00-0404	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,765.39	574.32
23 21 16 00-0405	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,093.56	574.32
23 21 16 00-0406	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,299.50	688.96
23 21 16 00-0407		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0408	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,173.35	202.17
		For Galvanized Steel Tanks, Add	*433.52*	
23 21 16 00-0409	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,195.69	207.91
		For Galvanized Steel Tanks, Add	*439.91*	
23 21 16 00-0410	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,308.04	214.80
		For Galvanized Steel Tanks, Add	*490.91*	
23 21 16 00-0411	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,435.40	222.84
		For Galvanized Steel Tanks, Add	*548.28*	
23 21 16 00-0412	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	1,682.14	235.47
		For Galvanized Steel Tanks, Add	*663.03*	
23 21 16 00-0413	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	1,747.61	244.67
		For Galvanized Steel Tanks, Add	*688.54*	
23 21 16 00-0414	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,175.39	266.49
		For Galvanized Steel Tanks, Add	*886.18*	
23 21 16 00-0415	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	2,371.54	286.02
		For Galvanized Steel Tanks, Add	*969.04*	
23 21 16 00-0416	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	2,961.30	322.78
		For Galvanized Steel Tanks, Add	*1,236.26*	
23 21 16 00-0417	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	3,773.48	369.87
		For Galvanized Steel Tanks, Add	*1,606.58*	
23 21 16 00-0418	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	4,530.55	410.07
		For Galvanized Steel Tanks, Add	*1,954.83*	
23 21 16 00-0419	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	4,955.12	445.67
		For Galvanized Steel Tanks, Add	*2,139.72*	
23 21 16 00-0420	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	6,282.81	489.32
		For Galvanized Steel Tanks, Add	*2,770.87*	
23 21 16 00-0421	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	6,476.41	522.64
		For Galvanized Steel Tanks, Add	*2,842.12*	
23 21 16 00-0422	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	8,380.85	561.69
		For Galvanized Steel Tanks, Add	*3,765.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0423	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	14,044.97	659.32
		For Galvanized Steel Tanks, Add	*6,523.07*	

23 21 16 00-0424 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0425	EA	9" To 24" Diameter Compression Tank Air Fittings	461.50	32.16
23 21 16 00-0426	EA	>100 Gallon Compression Tank Air Fittings	1,622.54	37.91

23 21 16 00-0427 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0428	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,863.37	244.67
		For 300 PSIG, Add	*223.92*	
23 21 16 00-0429	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,315.76	280.28
		For 300 PSIG, Add	*283.55*	
23 21 16 00-0430	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,608.75	329.67
		For 300 PSIG, Add	*466.40*	
23 21 16 00-0431	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	3,859.11	349.11
		For 300 PSIG, Add	*499.52*	
23 21 16 00-0432	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	4,971.76	465.48
		For 300 PSIG, Add	*639.97*	
23 21 16 00-0433	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,288.30	553.65
		For 300 PSIG, Add	*817.52*	
23 21 16 00-0434	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	7,477.71	626.93
		For 300 PSIG, Add	*979.17*	
23 21 16 00-0435	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	10,838.86	752.11
		For 300 PSIG, Add	*1,454.85*	
23 21 16 00-0436	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	16,859.62	854.91
		For 300 PSIG, Add	*2,334.65*	
23 21 16 00-0437	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	22,769.15	1,106.29
		For 300 PSIG, Add	*3,163.93*	
23 21 16 00-0438	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	47,990.54	1,343.42
		For 300 PSIG, Add	*6,893.26*	
23 21 16 00-0439	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	59,273.02	1,612.10
		For 300 PSIG, Add	*8,524.57*	
23 21 16 00-0440	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	77,465.32	1,880.79
		For 300 PSIG, Add	*11,192.35*	
23 21 16 00-0441	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	90,666.99	2,149.47
		For 300 PSIG, Add	*13,111.53*	

23 21 16 00-0442 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0443	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,571.87	244.67
		For 300 PSIG, Add	*180.20*	
23 21 16 00-0444	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	1,997.76	280.28
		For 300 PSIG, Add	*235.85*	
23 21 16 00-0445	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,529.25	329.67
		For 300 PSIG, Add	*454.47*	
23 21 16 00-0446	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,161.28	349.11
		For 300 PSIG, Add	*394.85*	
23 21 16 00-0447	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,238.60	465.48
		For 300 PSIG, Add	*530.00*	
23 21 16 00-0448	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	5,519.80	553.65
		For 300 PSIG, Add	*702.25*	
23 21 16 00-0449	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	6,435.38	626.93
		For 300 PSIG, Add	*822.82*	
23 21 16 00-0450	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	8,612.86	752.11
		For 300 PSIG, Add	*1,120.95*	
23 21 16 00-0451	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	12,098.46	854.91
		For 300 PSIG, Add	*1,620.47*	
23 21 16 00-0452	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	18,768.75	1,106.29
		For 300 PSIG, Add	*2,563.87*	
23 21 16 00-0453	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	32,269.93	1,343.42
		For 300 PSIG, Add	*4,535.17*	
23 21 16 00-0454	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	40,935.34	1,612.10
		For 300 PSIG, Add	*5,773.91*	
23 21 16 00-0455	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	54,893.07	1,880.79
		For 300 PSIG, Add	*7,806.51*	
23 21 16 00-0456	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	75,317.13	2,149.47
		For 300 PSIG, Add	*10,809.05*	
23 21 16 00-0457	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	92,358.99	2,418.16
		For 300 PSIG, Add	*13,304.27*	
23 21 16 00-0458	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	109,400.85	2,686.84
		For 300 PSIG, Add	*15,799.48*	

23 21 16 00-0459 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0460	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,400.00	279.28
23 21 16 00-0461	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	4,830.36	372.15
23 21 16 00-0462	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,120.65	442.51
23 21 16 00-0463	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	7,287.66	501.55
23 21 16 00-0464	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	10,593.21	601.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0465	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	17,289.53	683.93
23 21 16 00-0466	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	26,414.07	885.13
23 21 16 00-0467		**Grooved Vortex Air Separators** *(23 21 16)*		
		Note: Without system strainer.		
23 21 16 00-0468	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,675.67	279.28
23 21 16 00-0469	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,097.20	372.15
23 21 16 00-0470	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,352.15	442.51
23 21 16 00-0471	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,245.33	501.55
23 21 16 00-0472	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	8,384.88	601.86
23 21 16 00-0473	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	12,457.70	683.93
23 21 16 00-0474	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	20,841.88	885.13
23 21 16 00-0475		**Removable Head, Air Eliminator And Dirt Separator** *(23 21 16)*		
		Note: Spirovent VDN.		
23 21 16 00-0476	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,617.53	244.67
23 21 16 00-0477	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,918.68	280.28
23 21 16 00-0478	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,227.88	329.67
23 21 16 00-0479	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,988.05	505.41
23 21 16 00-0480	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,736.38	624.87
23 21 16 00-0481	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,233.90	707.57
23 21 16 00-0482	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,517.53	159.67
23 21 16 00-0483	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	25,836.49	964.87
23 21 16 00-0484	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,393.67	1,248.59
23 21 16 00-0485		**Swivel Joints** *(23 21 16)*		
23 21 16 00-0486		**Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)** *(23 21 16 00-0485)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0487	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	358.95	30.21
23 21 16 00-0488	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	515.75	44.22
23 21 16 00-0489	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	723.46	51.69
23 21 16 00-0490	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,078.65	88.45
23 21 16 00-0491	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,368.05	100.50
		For Stainless Steel, Add	*1,750.55*	
23 21 16 00-0492	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,007.05	153.12
		For Stainless Steel, Add	*1,223.42*	
23 21 16 00-0493	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,361.17	122.16
23 21 16 00-0494	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,731.06	327.37
23 21 16 00-0495	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,217.77	413.52
23 21 16 00-0496		**Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)** *(23 21 16 00-0485)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0497	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	457.13	30.21
		For Stainless Steel, Add	*595.02*	
23 21 16 00-0498	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	562.12	44.22
		For Stainless Steel, Add	*710.64*	
23 21 16 00-0499	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	757.86	51.69
		For Stainless Steel, Add	*980.16*	
23 21 16 00-0500	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,217.77	88.45
		For Stainless Steel, Add	*1,561.58*	
23 21 16 00-0501	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,595.27	100.50
		For Stainless Steel, Add	*2,091.38*	
23 21 16 00-0502	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,038.49	153.12
		For Stainless Steel, Add	*1,270.58*	
23 21 16 00-0503	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,541.26	122.16
		For Stainless Steel, Add	*1,945.31*	
23 21 16 00-0504	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,938.96	327.37
		For Stainless Steel, Add	*2,293.08*	
23 21 16 00-0505	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,361.34	413.52
		For Stainless Steel, Add	*4,263.89*	
23 21 16 00-0506		**Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)** *(23 21 16 00-0485)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0507	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	538.15	30.21
		For Stainless Steel, Add	*716.55*	
23 21 16 00-0508	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	623.95	44.22
		For Stainless Steel, Add	*803.39*	
23 21 16 00-0509	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	913.27	51.69
		For Stainless Steel, Add	*1,213.28*	
23 21 16 00-0510	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,404.80	88.45
		For Stainless Steel, Add	*1,842.12*	
23 21 16 00-0511	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,657.10	100.50
		For Stainless Steel, Add	*2,184.12*	
23 21 16 00-0512	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,193.07	153.12
		For Stainless Steel, Add	*1,502.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0513	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,732.92	122.16
		For Stainless Steel, Add	*2,232.80*	
23 21 16 00-0514	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,136.81	327.37
		For Stainless Steel, Add	*2,589.86*	
23 21 16 00-0515	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,786.41	413.52
		For Stainless Steel, Add	*4,901.49*	
23 21 16 00-0516		**Ball Joints** *(23 21 16)*		
23 21 16 00-0517	EA	1" Steel Threaded Ball Joint (Hyspan BB-33004-16-11)	1,166.40	
23 21 16 00-0518	EA	2" Steel Threaded Ball Joint (Hyspan BB-33001-32-11)	1,700.10	
23 21 16 00-0519	EA	3" Steel Threaded Ball Joint (Hyspan BB-41533-48-21)	2,924.58	
23 21 16 00-0520	EA	8" Steel Welding Type Ball Joint (Hyspan BB-41533-68-21)	9,235.58	
23 21 16 00-0521	EA	10" Steel Welding Type Ball Joint (Hyspan BB-41533-70-21)	10,777.07	
23 21 16 00-0522	EA	3" Steel Flanged Ball Joint (Hyspan BB-41533-48-21)	2,737.77	179.75
23 21 16 00-0523	EA	4" Steel Flanged Ball Joint (Hyspan BB-41533-64-21)	4,239.47	301.33
23 21 16 00-0524	EA	6" Steel Flanged Ball Joint (Hyspan BB-31533-66-11)	5,093.40	372.27
23 21 16 00-0525	EA	8" Steel Flanged Ball Joint (Hyspan BB-41533-68-21)	8,473.77	475.68
23 21 16 00-0526	EA	10" Steel Flanged Ball Joint (Hyspan BB-31533-70-11)	9,934.88	579.08
23 21 16 00-0527	EA	4" Stainless Steel Flanged Ball Joint (Hyspan BB-31524-64)	16,516.51	301.33
23 21 16 00-0528	EA	6" Stainless Ball Flanged Joint (Hyspan BB-31524-66-24)	24,942.80	372.27
23 21 16 00-0529	EA	6" Carbon Steel Flanged Ball Joint (Hyspan BB-41528-66-21)	7,535.76	372.27
23 21 16 00-0530	EA	8" Carbon Steel Flanged Ball Joint (Hyspan BB-41528-68-21)	9,702.78	475.68
23 21 16 00-0531	EA	12" Carbon Steel Flanged Ball Joint (Hyspan BB-41533-72-21)	16,817.99	
23 21 16 00-0532		**Basket Strainers** *(23 21 16)*		
23 21 16 00-0533		**Bronze Body Basket Strainers** *(23 21 16 00-0532)*		
23 21 16 00-0534		**Screwed Ends, Bronze Body Basket Strainers** *(23 21 16 00-0533)*		
23 21 16 00-0535	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	322.77	22.98
		For Work In Restricted Working Space, Add	*13.67*	
23 21 16 00-0536	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	381.48	27.00
		For Work In Restricted Working Space, Add	*16.07*	
23 21 16 00-0537	EA	1" Screwed Ends, Bronze Body Basket Strainer	442.46	32.16
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0538	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	551.25	35.61
		For Work In Restricted Working Space, Add	*21.35*	
23 21 16 00-0539	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	651.01	40.20
		For Work In Restricted Working Space, Add	*24.10*	
23 21 16 00-0540	EA	2" Screwed Ends, Bronze Body Basket Strainer	970.65	45.95
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0541	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,373.28	61.45
		For Work In Restricted Working Space, Add	*36.96*	
23 21 16 00-0542	EA	3" Screwed Ends, Bronze Body Basket Strainer	1,933.31	65.48
		For Work In Restricted Working Space, Add	*39.20*	
23 21 16 00-0543		**Flanged, Bronze Body Basket Strainers** *(23 21 16 00-0533)*		
23 21 16 00-0544	EA	2" Flanged, Bronze Body Basket Strainer	1,523.03	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0545	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,292.28	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0546	EA	3" Flanged, Bronze Body Basket Strainer	2,599.59	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0547	EA	4" Flanged, Bronze Body Basket Strainer	4,395.96	327.37
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0548	EA	6" Flanged, Bronze Body Basket Strainer	8,340.47	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0549	EA	8" Flanged, Bronze Body Basket Strainer	15,210.97	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0550		**Iron Body Basket Strainers** *(23 21 16 00-0532)*		
23 21 16 00-0551		**Screwed Ends, Iron Body Basket Strainers** *(23 21 16 00-0550)*		
23 21 16 00-0552	EA	1/2" Screwed Ends, Iron Body Basket Strainer	370.85	22.98
		For Work In Restricted Working Space, Add	*13.67*	
23 21 16 00-0553	EA	3/4" Screwed Ends, Iron Body Basket Strainer	417.62	27.00
		For Work In Restricted Working Space, Add	*16.07*	
23 21 16 00-0554	EA	1" Screwed Ends, Iron Body Basket Strainer	493.53	32.16
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0555	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	647.08	35.61
		For Work In Restricted Working Space, Add	*21.35*	
23 21 16 00-0556	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	709.97	40.20
		For Work In Restricted Working Space, Add	*24.10*	
23 21 16 00-0557	EA	2" Screwed Ends, Iron Body Basket Strainer	843.97	45.95
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0558	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,197.48	61.45
		For Work In Restricted Working Space, Add	*36.96*	
23 21 16 00-0559	EA	3" Screwed Ends, Iron Body Basket Strainer	1,354.16	65.48
		For Work In Restricted Working Space, Add	*39.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0560		**Flanged, Iron Body Basket Strainers** *(23 21 16 00-0550)*		
23 21 16 00-0561	EA	2" Flanged, Iron Body Basket Strainer	1,316.79	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0562	EA	2-1/2" Flanged, Iron Body Basket Strainer	1,725.61	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0563	EA	3" Flanged, Iron Body Basket Strainer	1,859.02	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0564	EA	4" Flanged, Iron Body Basket Strainer	2,840.34	327.37
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0565	EA	6" Flanged, Iron Body Basket Strainer	5,189.34	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0566	EA	8" Flanged, Iron Body Basket Strainer	9,307.09	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0567	EA	10" Flanged, Iron Body Basket Strainer	13,841.47	569.94
		For Work In Restricted Working Space, Add	*213.73*	
23 21 16 00-0568	EA	12" Flanged, Iron Body Basket Strainer	17,012.36	718.53
		For Work In Restricted Working Space, Add	*431.07*	
23 21 16 00-0569	EA	14" Flanged, Iron Body Basket Strainer	20,670.54	814.20
		For Work In Restricted Working Space, Add	*305.32*	
23 21 16 00-0570	EA	16" Flanged, Iron Body Basket Strainer	21,669.32	895.61
		For Work In Restricted Working Space, Add	*335.85*	
23 21 16 00-0571		**Cast Steel Body Basket Strainers** *(23 21 16 00-0532)*		
23 21 16 00-0572		**Screwed Ends, Cast Steel Body Basket Strainers** *(23 21 16 00-0571)*		
23 21 16 00-0573	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,977.88	32.16
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0574	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	2,625.94	35.61
		For Work In Restricted Working Space, Add	*21.35*	
23 21 16 00-0575	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	2,959.52	40.20
		For Work In Restricted Working Space, Add	*24.09*	
23 21 16 00-0576	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	4,187.75	45.95
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0577	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	5,881.61	61.45
		For Work In Restricted Working Space, Add	*36.96*	
23 21 16 00-0578	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	7,673.41	65.48
		For Work In Restricted Working Space, Add	*39.21*	
23 21 16 00-0579		**Flanged, Cast Steel Body Basket Strainers** *(23 21 16 00-0571)*		
23 21 16 00-0580	EA	2" Flanged, Cast Steel Body Basket Strainer	6,152.62	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0581	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	8,927.57	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0582	EA	3" Flanged, Cast Steel Body Basket Strainer	9,774.16	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0583	EA	4" Flanged, Cast Steel Body Basket Strainer	13,792.47	327.37
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0584	EA	6" Flanged, Cast Steel Body Basket Strainer	24,588.19	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0585	EA	8" Flanged, Cast Steel Body Basket Strainer	40,119.99	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0586		**Stainless Steel Body Basket Strainers** *(23 21 16 00-0532)*		
23 21 16 00-0587		**Screwed Ends, Stainless Steel Body Basket Strainers** *(23 21 16 00-0586)*		
23 21 16 00-0588	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	566.54	32.16
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0589	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	815.27	35.61
		For Work In Restricted Working Space, Add	*21.35*	
23 21 16 00-0590	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	841.86	40.20
		For Work In Restricted Working Space, Add	*24.09*	
23 21 16 00-0591	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,244.25	45.95
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0592	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,758.27	61.45
		For Work In Restricted Working Space, Add	*36.96*	
23 21 16 00-0593	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,482.53	65.48
		For Work In Restricted Working Space, Add	*39.21*	
23 21 16 00-0594		**Flanged, Stainless Steel Body Basket Strainers** *(23 21 16 00-0586)*		
23 21 16 00-0595	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,906.16	153.12
		For Work In Restricted Working Space, Add	*57.43*	
23 21 16 00-0596	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,879.23	166.56
		For Work In Restricted Working Space, Add	*62.65*	
23 21 16 00-0597	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,260.71	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0598	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,512.10	327.37
		For Work In Restricted Working Space, Add	*123.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0599	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,423.49	366.39
		For Work In Restricted Working Space, Add	*137.89*	
23 21 16 00-0600	EA	8" Flanged, Stainless Steel Body Basket Strainer	14,617.89	468.16
		For Work In Restricted Working Space, Add	*174.47*	
23 21 16 00-0601		Plastic Basket Strainers *(23 21 16 00-0532)*		
23 21 16 00-0602		Screwed Or Socket Ends, Simplex, Plastic Basket Strainers *(23 21 16 00-0601)*		
23 21 16 00-0603		Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0602)*		
23 21 16 00-0604	EA	1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	555.66	16.08
		For Work In Restricted Working Space, Add	*13.67*	
23 21 16 00-0605	EA	3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	563.63	18.73
		For Work In Restricted Working Space, Add	*16.07*	
23 21 16 00-0606	EA	1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	573.90	22.28
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0607	EA	1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	957.10	28.15
		For Work In Restricted Working Space, Add	*24.09*	
23 21 16 00-0608	EA	2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	985.31	32.16
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0609	EA	3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,154.48	45.95
		For Work In Restricted Working Space, Add	*39.21*	
23 21 16 00-0610	EA	4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,852.27	60.30
		For Work In Restricted Working Space, Add	*51.68*	
23 21 16 00-0611		Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0602)*		
23 21 16 00-0612	EA	1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	788.52	16.08
		For Work In Restricted Working Space, Add	*13.67*	
23 21 16 00-0613	EA	3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	796.49	18.73
		For Work In Restricted Working Space, Add	*16.07*	
23 21 16 00-0614	EA	1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	806.76	22.28
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0615	EA	1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,403.11	28.15
		For Work In Restricted Working Space, Add	*24.09*	
23 21 16 00-0616	EA	2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,440.67	32.16
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0617	EA	3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	609.60	45.95
		For Work In Restricted Working Space, Add	*39.21*	
23 21 16 00-0618	EA	4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,905.10	60.30
		For Work In Restricted Working Space, Add	*51.68*	
23 21 16 00-0619		Flanged, Simplex, Plastic Basket Strainers *(23 21 16 00-0601)*		
23 21 16 00-0620		Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0619)*		
23 21 16 00-0621	EA	1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	785.49	100.50
		For Work In Restricted Working Space, Add	*60.29*	
23 21 16 00-0622	EA	1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,274.71	114.87
		For Work In Restricted Working Space, Add	*68.92*	
23 21 16 00-0623	EA	2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,331.90	133.82
		For Work In Restricted Working Space, Add	*80.29*	
23 21 16 00-0624	EA	3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,673.48	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0625	EA	4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	3,578.26	327.37
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0626	EA	6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	7,276.65	413.52
		For Work In Restricted Working Space, Add	*155.63*	
23 21 16 00-0627	EA	8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	9,562.13	528.38
		For Work In Restricted Working Space, Add	*196.91*	
23 21 16 00-0628		Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0619)*		
23 21 16 00-0629	EA	1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,718.20	114.87
		For Work In Restricted Working Space, Add	*68.92*	
23 21 16 00-0630	EA	2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,787.16	133.82
		For Work In Restricted Working Space, Add	*80.29*	
23 21 16 00-0631	EA	3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,842.61	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0632	EA	4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	4,818.71	327.37
		For Work In Restricted Working Space, Add	*123.07*	
23 21 16 00-0633		Screwed Or Socket Ends, Duplex, Plastic Basket Strainers *(23 21 16 00-0601)*		
23 21 16 00-0634		Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0633)*		
23 21 16 00-0635	EA	1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,466.40	16.08
		For Work In Restricted Working Space, Add	*13.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0636	EA	3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,474.37	18.73
		For Work In Restricted Working Space, Add	*16.07*	
23 21 16 00-0637	EA	1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,484.64	22.28
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0638	EA	1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	3,849.40	28.15
		For Work In Restricted Working Space, Add	*24.09*	
23 21 16 00-0639	EA	2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	3,861.07	32.16
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0640	EA	3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	8,642.18	45.95
		For Work In Restricted Working Space, Add	*39.21*	
23 21 16 00-0641	EA	4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	11,399.59	60.30
		For Work In Restricted Working Space, Add	*51.68*	

23 21 16 00-0642 Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0633)*

23 21 16 00-0643	EA	1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,449.65	16.08
		For Work In Restricted Working Space, Add	*13.67*	
23 21 16 00-0644	EA	3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,457.62	18.73
		For Work In Restricted Working Space, Add	*16.07*	
23 21 16 00-0645	EA	1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,467.89	22.28
		For Work In Restricted Working Space, Add	*19.15*	
23 21 16 00-0646	EA	1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,389.63	28.15
		For Work In Restricted Working Space, Add	*24.09*	
23 21 16 00-0647	EA	2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,401.30	32.16
		For Work In Restricted Working Space, Add	*27.59*	
23 21 16 00-0648	EA	3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	10,544.84	45.95
		For Work In Restricted Working Space, Add	*39.21*	
23 21 16 00-0649	EA	4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	15,862.08	60.30
		For Work In Restricted Working Space, Add	*51.68*	

23 21 16 00-0650 Flanged, Duplex, Plastic Basket Strainers *(23 21 16 00-0601)*

23 21 16 00-0651 Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0650)*

23 21 16 00-0652	EA	1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,562.13	43.07
		For Work In Restricted Working Space, Add	*25.85*	
23 21 16 00-0653	EA	3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,590.84	57.43
		For Work In Restricted Working Space, Add	*34.46*	
23 21 16 00-0654	EA	1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,676.93	100.50
		For Work In Restricted Working Space, Add	*60.29*	
23 21 16 00-0655	EA	1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	4,142.20	114.87
		For Work In Restricted Working Space, Add	*68.92*	
23 21 16 00-0656	EA	2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	4,180.09	133.82
		For Work In Restricted Working Space, Add	*80.29*	
23 21 16 00-0657	EA	3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	9,059.16	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0658	EA	4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	12,020.81	327.37
		For Work In Restricted Working Space, Add	*123.07*	

23 21 16 00-0659 Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0650)*

23 21 16 00-0660	EA	1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,562.69	43.07
		For Work In Restricted Working Space, Add	*25.84*	
23 21 16 00-0661	EA	3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,591.38	57.43
		For Work In Restricted Working Space, Add	*34.45*	
23 21 16 00-0662	EA	1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,677.52	100.50
		For Work In Restricted Working Space, Add	*60.29*	
23 21 16 00-0663	EA	1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,730.61	114.87
		For Work In Restricted Working Space, Add	*68.92*	
23 21 16 00-0664	EA	2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,768.50	133.82
		For Work In Restricted Working Space, Add	*80.29*	
23 21 16 00-0665	EA	3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	12,921.01	195.28
		For Work In Restricted Working Space, Add	*73.32*	
23 21 16 00-0666	EA	4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	16,780.86	327.37
		For Work In Restricted Working Space, Add	*123.07*	

23 21 16 00-0667 Plastic Strainer Baskets *(23 21 16 00-0532)*

23 21 16 00-0668 Polyvinyl Chloride (PVC) Strainer Baskets *(23 21 16 00-0667)*

23 21 16 00-0669	EA	1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket	215.34
23 21 16 00-0670	EA	1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket	264.14
23 21 16 00-0671	EA	3" Polyvinyl Chloride (PVC) Strainer Basket	592.80
23 21 16 00-0672	EA	4" Polyvinyl Chloride (PVC) Strainer Basket	672.76

23 21 16 00-0673 Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets *(23 21 16 00-0667)*

23 21 16 00-0674	EA	1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	297.69
23 21 16 00-0675	EA	1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	372.77
23 21 16 00-0676	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	828.37
23 21 16 00-0677	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	918.97

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 23 Hydronic Pumps *(23 21)*

23 21 23 13 In-Line Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump		6,501.53	306.79
		For Mechanical Seal, Add		*446.53*	
		For Cast Steel Case, Add		*1,004.69*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump		7,097.20	371.32
		For Mechanical Seal, Add		*478.69*	
		For Cast Steel Case, Add		*1,077.05*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump		8,202.77	441.15
		For Mechanical Seal, Add		*550.43*	
		For Cast Steel Case, Add		*1,238.47*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump		9,182.41	588.20
		For Mechanical Seal, Add		*593.54*	
		For Cast Steel Case, Add		*1,335.46*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump		10,528.47	641.09
		For Mechanical Seal, Add		*688.40*	
		For Cast Steel Case, Add		*1,548.90*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump		15,752.90	705.62
		For Mechanical Seal, Add		*1,090.97*	
		For Cast Steel Case, Add		*2,454.67*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump		18,508.11	881.25
		For Mechanical Seal, Add		*1,269.07*	
		For Cast Steel Case, Add		*2,855.40*	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump		25,759.03	1,007.13
		For Mechanical Seal, Add		*1,818.91*	
		For Cast Steel Case, Add		*4,092.56*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump		32,775.79	1,055.40
		For Mechanical Seal, Add		*2,368.76*	
		For Cast Steel Case, Add		*5,329.71*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump		35,777.16	1,356.65
		For Mechanical Seal, Add		*2,536.50*	
		For Cast Steel Case, Add		*5,707.11*	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*
Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		2,274.21	176.15
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		4,039.60	201.32
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		4,389.21	225.44
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		4,614.35	245.12
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		6,041.79	268.39
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		6,209.75	296.64
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		7,097.06	352.28
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		8,255.41	433.64
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		10,635.44	469.71
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		12,436.05	497.32
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		15,992.17	528.43
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		16,876.15	546.10
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		17,760.11	563.66
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		21,094.52	603.96
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		22,847.46	707.98
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		25,232.84	1,022.57
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		29,744.09	2,045.16
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		34,185.94	2,454.19

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)		6,402.43	335.36
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)		7,185.79	335.78
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)		9,477.91	441.15
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)		10,375.65	542.71
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)		11,625.38	542.71
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)		11,297.62	588.20
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)		12,008.14	588.20
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)		13,120.75	616.76
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)		14,592.63	783.92
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)		15,434.13	881.25
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)		23,739.89	2,149.95
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)		34,439.94	2,579.47
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)		39,045.88	3,224.34

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0015		**Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,806.51	246.49
		For 300 LB Flanges, Add	*1,590.50*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,702.94	264.48
		For 300 LB Flanges, Add	*2,076.56*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,913.89	282.46
		For 300 LB Flanges, Add	*2,610.93*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,719.59	335.36
		For 300 LB Flanges, Add	*3,028.77*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,368.17	335.78
		For 300 LB Flanges, Add	*3,183.35*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,947.16	441.15
		For 300 LB Flanges, Add	*3,288.43*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,261.74	441.15
		For 300 LB Flanges, Add	*3,367.08*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,958.57	441.15
		For 300 LB Flanges, Add	*3,541.28*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,354.36	542.71
		For 300 LB Flanges, Add	*4,094.46*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,618.82	542.29
		For 300 LB Flanges, Add	*4,150.73*	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,574.59	588.20
		For 300 LB Flanges, Add	*4,379.17*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,385.80	616.76
		For 300 LB Flanges, Add	*4,810.84*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,502.91	783.92
		For 300 LB Flanges, Add	*5,273.09*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,529.99	881.25
		For 300 LB Flanges, Add	*5,985.78*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	39,613.45	2,149.95
		For 300 LB Flanges, Add	*8,866.97*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,107.06	2,579.47
		For 300 LB Flanges, Add	*10,533.09*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	57,427.20	3,224.34
		For 300 LB Flanges, Add	*12,802.21*	
23 21 23 16-0033		**Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,536.21	246.49
		For 300 LB Flanges, Add	*1,522.93*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,706.79	264.48
		For 300 LB Flanges, Add	*1,557.67*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,877.50	282.46
		For 300 LB Flanges, Add	*1,592.43*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,475.38	288.81
		For 300 LB Flanges, Add	*1,738.77*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,232.22	335.36
		For 300 LB Flanges, Add	*2,906.92*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,825.29	441.15
		For 300 LB Flanges, Add	*3,534.81*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,667.10	476.06
		For 300 LB Flanges, Add	*3,968.42*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,605.20	528.95
		For 300 LB Flanges, Add	*4,157.17*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,627.03	528.21
		For 300 LB Flanges, Add	*4,669.28*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	21,965.65	678.83
		For 300 LB Flanges, Add	*5,186.09*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	27,943.24	860.21
		For 300 LB Flanges, Add	*6,571.25*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,672.08	1,074.39
		For 300 LB Flanges, Add	*8,399.82*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	44,880.80	1,289.74
		For 300 LB Flanges, Add	*10,598.36*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,220.40	1,432.53
		For 300 LB Flanges, Add	*12,614.17*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,189.07	1,842.48
		For 300 LB Flanges, Add	*14,408.93*	
23 21 23 16-0049		**Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,846.76	542.71
		For 300 LB Flanges, Add	*10,217.56*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,174.39	588.20
		For 300 LB Flanges, Add	*11,029.12*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,301.63	792.77
		For 300 LB Flanges, Add	*14,712.40*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	70,359.53	1,089.33
		For 300 LB Flanges, Add	*17,090.75*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	97,643.11	1,452.44
		For 300 LB Flanges, Add	*23,745.27*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	5,729.17	317.38
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,240.29	317.38
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	6,941.92	335.01
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,394.07	335.01
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,502.92	352.28
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,076.43	424.07
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,233.31	522.41
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,165.45	565.42
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	16,413.02	610.64

23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,439.93	163.92
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,536.16	173.79
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,792.21	185.05

23 21 23 16-0070 Multi Stage, Stainless Steel, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500RPM, 3 phase 208 to 240/480 Volt. (Goulds EHM)

23 21 23 16-0071	EA	2 HP, 30 GPM At 140' Head, Stainless Steel Booster Pump (Goulds 5HM05N15T6PBQE)	2,687.00	317.38

23 21 23 16-0072 Multi Stage, Stainless Steel, Vertical Centrifugal Pump *(23 21 23 16)*

Note: Suction And Discharge Ports On The Same Level

23 21 23 16-0073	EA	7.5 HP, 90.3 GPM @ 206' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN15-4)	9,095.13	451.73
23 21 23 16-0074	EA	15 HP, 159 GPM @ 250' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN32-4)	12,462.02	558.58
23 21 23 16-0075	EA	25 HP, 239 GPM @ 212' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN64-2)	15,267.55	704.57

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)*

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,175.29	783.92
		For Each Extra Column Assembly <60", Add	*1,101.04*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*479.99*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*348.24*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	15,243.15	881.25
		For Each Extra Column Assembly <60", Add	*1,266.85*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*562.33*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*409.90*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	18,393.26	860.21
		For Each Extra Column Assembly <60", Add	*1,533.15*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*674.04*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*490.11*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	21,744.96	992.63
		For Each Extra Column Assembly <60", Add	*1,803.37*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*806.02*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*588.57*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	26,843.04	1,074.39
		For Each Extra Column Assembly <60", Add	*2,216.54*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,004.63*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*736.20*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	35,347.26	1,289.74
		For Each Extra Column Assembly <60", Add	*2,910.69*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,330.98*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*977.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	42,280.08	1,612.17
		For Each Extra Column Assembly <60", Add	*3,486.05*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,587.56*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,164.76*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	68,005.83	1,842.48
		For Each Extra Column Assembly <60", Add	*5,558.91*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,601.79*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,921.73*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	89,276.90	2,149.95
		For Each Extra Column Assembly <60", Add	*7,280.34*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,432.89*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,540.12*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	125,150.88	2,579.47
		For Each Extra Column Assembly <60", Add	*10,177.89*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*4,840.21*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,588.70*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	216.02	34.38
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	234.43	34.38
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	366.21	39.67

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	118.11	26.45
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	125.98	26.45
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	209.99	34.38
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	226.59	39.67
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	419.65	44.96

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 High Temperature Safety Relief Valve *(23 22 16)*

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.

23 22 16 00-0002 Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0001)*

Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.

23 22 16 00-0003 Threaded *(23 22 16 00-0002)*

23 22 16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	500.19	17.22
23 22 16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	523.34	20.38
23 22 16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	577.10	25.84
23 22 16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	711.99	28.71
23 22 16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	911.61	35.30
23 22 16 00-0009	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,415.33	40.19
23 22 16 00-0010	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,533.64	46.22

23 22 16 00-0011 Flanged *(23 22 16 00-0002)*

23 22 16 00-0012	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,527.88	120.56
23 22 16 00-0013	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,106.20	181.22
23 22 16 00-0014	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,537.36	166.88
23 22 16 00-0015	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,510.15	241.03
23 22 16 00-0016	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,882.87	179.75
23 22 16 00-0017	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,911.17	241.03
23 22 16 00-0018	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	11,567.20	342.04
23 22 16 00-0019	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	23,015.84	382.00

23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam *(23 22 16 00-0001)*

Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.

23 22 16 00-0021	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	544.50	15.79
23 22 16 00-0022	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	557.66	17.22
23 22 16 00-0023	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	652.83	18.94
23 22 16 00-0024	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	720.96	20.38
23 22 16 00-0025	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	834.22	22.97
23 22 16 00-0026	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	838.12	25.84
23 22 16 00-0027	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	942.87	27.27
23 22 16 00-0028	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,027.62	28.71
23 22 16 00-0029	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,427.66	32.15
23 22 16 00-0030	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,560.24	35.30
23 22 16 00-0031	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,861.89	40.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0032		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0001)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0033	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	255.26	15.79
23 22 16 00-0034	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	290.99	17.22
23 22 16 00-0035	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	403.68	18.94
23 22 16 00-0036	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	444.53	20.38
23 22 16 00-0037	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	643.80	22.97
23 22 16 00-0038	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	868.94	27.27
23 22 16 00-0039	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,268.42	32.15
23 22 16 00-0040		**Steam Temperature Regulator, Iron Body** *(23 22 16)*		
23 22 16 00-0041		**Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
		Note: Up to 150 PSI.		
23 22 16 00-0042	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,346.06	16.53
23 22 16 00-0043	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,416.08	22.27
23 22 16 00-0044	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,879.37	27.44
23 22 16 00-0045	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,074.98	34.68
23 22 16 00-0046	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,126.91	39.84
23 22 16 00-0047	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,515.80	43.35
23 22 16 00-0048	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,201.46	79.41
23 22 16 00-0049	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,164.28	86.60
23 22 16 00-0050	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,096.82	202.69
23 22 16 00-0051	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,149.06	237.90
23 22 16 00-0052		**Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
23 22 16 00-0053	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,995.89	16.53
23 22 16 00-0054	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,066.91	22.27
23 22 16 00-0055	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,158.84	27.44
23 22 16 00-0056	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,584.15	34.68
23 22 16 00-0057	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,768.26	39.84
23 22 16 00-0058	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,143.63	43.35
23 22 16 00-0059	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,817.05	79.41
23 22 16 00-0060	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,767.04	86.60
23 22 16 00-0061	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,975.76	202.69
23 22 16 00-0062	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	12,890.61	237.90
23 22 16 00-0063		**Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
23 22 16 00-0064	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,720.43	16.53
23 22 16 00-0065	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,759.83	22.27
23 22 16 00-0066	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,020.23	27.44
23 22 16 00-0067	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,288.59	34.68
23 22 16 00-0068	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,407.61	39.84
23 22 16 00-0069	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,844.26	43.35
23 22 16 00-0070	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,114.09	79.41
23 22 16 00-0071	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,169.08	86.60
23 22 16 00-0072	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,327.61	202.69
23 22 16 00-0073	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,489.16	237.90
23 22 16 00-0074		**Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
23 22 16 00-0075	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,486.12	16.53
23 22 16 00-0076	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,521.70	22.27
23 22 16 00-0077	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,824.19	27.44
23 22 16 00-0078	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,985.33	34.68
23 22 16 00-0079	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,138.82	39.84
23 22 16 00-0080	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,506.57	43.35
23 22 16 00-0081	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,496.93	79.41
23 22 16 00-0082	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,587.55	86.60
23 22 16 00-0083	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,746.09	202.69
23 22 16 00-0084	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,907.64	237.90
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	327.84	34.46
		For Work In Restricted Working Space, Add	*20.68*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	330.71	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	493.38	38.25
		For Work In Restricted Working Space, Add	*22.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	799.08	52.21
		For Work In Restricted Working Space, Add	*31.33*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,191.09	64.33
		For Work In Restricted Working Space, Add	*38.28*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,518.41	95.72
		For Work In Restricted Working Space, Add	*57.44*	
23 22 16 00-0093		**Float And Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	346.60	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	457.58	38.29
		For Work In Restricted Working Space, Add	*22.97*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	565.42	52.21
		For Work In Restricted Working Space, Add	*31.33*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	829.23	63.81
		For Work In Restricted Working Space, Add	*38.29*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,401.82	95.68
		For Work In Restricted Working Space, Add	*57.43*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	442.27	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	480.74	38.25
		For Work In Restricted Working Space, Add	*22.97*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	628.56	52.21
		For Work In Restricted Working Space, Add	*31.33*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	982.05	63.75
		For Work In Restricted Working Space, Add	*38.29*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,542.86	95.72
		For Work In Restricted Working Space, Add	*57.43*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	574.89	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	640.72	38.29
		For Work In Restricted Working Space, Add	*22.97*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	975.90	52.21
		For Work In Restricted Working Space, Add	*31.33*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,173.41	63.75
		For Work In Restricted Working Space, Add	*38.29*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,940.70	95.72
		For Work In Restricted Working Space, Add	*57.43*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	583.31	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	640.72	38.29
		For Work In Restricted Working Space, Add	*22.97*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	975.90	52.21
		For Work In Restricted Working Space, Add	*31.33*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,173.41	63.75
		For Work In Restricted Working Space, Add	*38.29*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,940.70	95.72
		For Work In Restricted Working Space, Add	*57.43*	
23 22 16 00-0114		**Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	166.58	34.46
		For Work In Restricted Working Space, Add	*20.68*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	280.17	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	346.50	38.25
		For Work In Restricted Working Space, Add	*22.97*	
23 22 16 00-0118		**Thermodynamic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	371.27	31.02
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	527.82	34.46
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	654.87	35.89
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	878.58	38.25
23 22 16 00-0123		**Steam Moisture Separator** *(23 22 16 00-0085)*		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	795.93	57.43
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	841.12	77.54
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,013.78	87.30
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,609.68	99.93
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	1,966.57	153.12
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,969.07	166.56
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,388.47	195.28
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,683.68	327.37
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,181.01	413.52
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)*		

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0134	EA	1" Steam/Condensate Meter	9,683.80	95.16
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	10,921.72	111.82
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	11,565.54	138.77
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	12,231.55	182.39
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	13,716.62	283.36
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	23,610.37	358.44
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	24,377.82	452.54
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	25,426.00	555.10
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	26,563.93	674.05
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	28,208.41	792.99
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	29,158.40	872.30
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,982.25	538.48
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,528.25	553.29
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,645.67	590.32
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,906.46	596.66
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,245.34	649.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,730.59	649.56
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,813.51	693.99
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,855.60	725.72
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,918.54	757.47
23 22 23 13-0012		30 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,269.54	575.50
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,935.88	590.32
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,050.69	629.46
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,521.82	680.24
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,813.51	695.05
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,947.27	719.38
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,099.83	757.47
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,906.48	806.13
23 22 23 13-0021		40 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,532.16	660.13
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,180.79	713.03
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,714.56	704.57
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,923.67	719.38
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,030.27	750.06
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,918.54	757.47
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,006.75	806.13
23 22 23 13-0029		50 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,700.15	715.15
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,432.94	729.96
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,930.86	735.25
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,117.30	799.78
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,019.02	862.20
23 22 23 13-0035		Duplex Condensate Pumps And Motors *(23 22 23 13)*		
		Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		20 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,247.89	722.56
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,445.58	793.43
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,755.92	799.78
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,194.03	871.72
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,797.24	871.72
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,915.19	939.43
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,988.48	980.69
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,165.17	1,029.35
23 22 23 13-0045		30 PSI Discharge Pressure *(23 22 23 13-0035)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,186.63	778.62
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,388.66	850.56
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,854.71	829.41
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,915.19	939.43
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,084.88	974.33
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,929.23	1,029.35
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,276.25	1,103.41
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,553.81	918.27
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,022.04	959.53
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,099.03	974.33
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,276.91	1,023.00
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,166.35	1,029.35
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,304.57	1,103.41
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,749.64	918.27
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,129.13	1,009.25
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,416.29	1,096.00
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,054.38	1,186.98

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001 Ball Valves *(23 23 13)*

23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	47.01	11.48
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	48.86	11.48
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	66.15	11.48
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	88.56	12.63
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	124.50	14.35
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	203.26	17.68

23 23 13 00-0009 Shut-Off Valves *(23 23 13)*

23 23 13 00-0010 Packless *(23 23 13 00-0009)*

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	63.75	11.95
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	79.89	13.10
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	164.61	17.92

23 23 13 00-0014 Packed *(23 23 13 00-0009)*

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	293.01	26.07
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	392.01	31.93
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	477.81	35.95
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	683.67	41.01
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,129.95	114.87
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,483.43	143.58
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,110.66	191.48

23 23 13 00-0022 Check Valves *(23 23 13)*

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	80.26	11.48
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	256.51	12.63
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	297.38	14.35
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	400.72	15.28
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	528.14	17.69
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	784.35	20.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,097.68	30.67
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,453.34	40.20
23 23 13 00-0031		Solenoid Valves *(23 23 13)*		
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	218.96	11.48
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	224.25	11.48
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	277.15	12.63
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	277.15	12.63
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	388.27	14.35
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	623.82	15.28
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,149.78	17.69
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,165.84	20.90
23 23 16		**Refrigerant Piping Specialties** *(23 23)*		
23 23 16 00-0001		Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	4.85	2.73
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.10	2.80
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	5.33	2.88
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	5.74	2.93
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	5.92	2.97
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	6.69	3.12
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	7.39	3.16
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.12	3.27
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	10.52	3.84
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	13.44	4.40
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	19.59	5.21
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	23.69	5.82
23 23 16 00-0014		Refrigeration Copper Tubing Assembly *(23 23 16)* Note: Based on outside diameter. Nitrogenized. Includes pipe, 1/2" thick flexible elastomeric foam insulation, coupling fittings and fastener straps. See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0015	LF	1/4" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	8.48	3.09
23 23 16 00-0016	LF	5/16" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	8.88	3.13
23 23 16 00-0017	LF	3/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	9.02	3.21
23 23 16 00-0018	LF	1/2" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	10.04	3.45
23 23 16 00-0019	LF	5/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	10.93	3.45
23 23 16 00-0020	LF	3/4" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	12.52	4.02
23 23 16 00-0021	LF	7/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	14.68	4.25
23 23 16 00-0022	LF	1-1/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	18.68	5.17
23 23 16 00-0023	LF	1-3/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	25.34	5.97
23 23 16 00-0024	LF	1-5/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	29.95	6.44
23 23 16 00-0025		Type L Drawn, ACR Copper Tubing *(23 23 16)* Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0026	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.55	3.21
		For Medical Applications "Oxygen Clean", Add	*0.57*	
23 23 16 00-0027	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	7.42	3.21
		For Medical Applications "Oxygen Clean", Add	*0.62*	
23 23 16 00-0028	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.96	3.21
		For Medical Applications "Oxygen Clean", Add	*0.64*	
23 23 16 00-0029	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	11.51	4.83
		For Medical Applications "Oxygen Clean", Add	*0.93*	
23 23 16 00-0030	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.57	5.17
		For Medical Applications "Oxygen Clean", Add	*1.02*	
23 23 16 00-0031	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	14.74	5.17
		For Medical Applications "Oxygen Clean", Add	*1.13*	
23 23 16 00-0032	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.41	5.97
		For Medical Applications "Oxygen Clean", Add	*1.37*	
23 23 16 00-0033	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	22.34	6.89
		For Medical Applications "Oxygen Clean", Add	*1.63*	
23 23 16 00-0034	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	31.76	8.61
		For Medical Applications "Oxygen Clean", Add	*2.23*	
23 23 16 00-0035	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	47.63	12.97
		For Medical Applications "Oxygen Clean", Add	*3.36*	
23 23 16 00-0036	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	61.72	16.08
		For Medical Applications "Oxygen Clean", Add	*4.29*	
23 23 16 00-0037	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	77.81	19.06
		For Medical Applications "Oxygen Clean", Add	*5.32*	
23 23 16 00-0038	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	96.28	22.98
		For Medical Applications "Oxygen Clean", Add	*6.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0039		Refrigeration Fittings *(23 23 16)*		
23 23 16 00-0040		Brass Flare Fittings *(23 23 16 00-0039)*		
23 23 16 00-0041		Brass Flare Unions *(23 23 16 00-0040)*		
23 23 16 00-0042	EA	3/8" Brass Flare Union	27.01	12.40
23 23 16 00-0043	EA	1/2" Brass Flare Union	27.01	12.40
23 23 16 00-0044	EA	5/8" Brass Flare Union	29.19	12.40
23 23 16 00-0045		90 Degree Elbow Brass Flare Unions *(23 23 16 00-0040)*		
23 23 16 00-0046	EA	3/8" 90 Degree Brass Flare Elbow Union	28.33	12.40
23 23 16 00-0047	EA	1/2" 90 Degree Brass Flare Elbow Union	28.33	12.40
23 23 16 00-0048	EA	5/8" 90 Degree Brass Flare Elbow Union	35.65	12.40
23 23 16 00-0049		Brass Flare Tees *(23 23 16 00-0040)*		
23 23 16 00-0050	EA	3/8" Brass Flare Tee	43.49	20.66
23 23 16 00-0051	EA	1/2" Brass Flare Tee	46.75	20.66
23 23 16 00-0052	EA	5/8" Brass Flare Tee	64.50	20.66
23 23 16 00-0053		Male Connector, Half Brass Flare Unions *(23 23 16 00-0040)*		
23 23 16 00-0054	EA	3/8" Brass Flare Male Connector, Half Union	21.01	12.40
23 23 16 00-0055	EA	1/2" Brass Flare Male Connector, Half Union	23.19	12.40
23 23 16 00-0056	EA	5/8" Brass Flare Male Connector, Half Union	26.30	12.40
23 23 16 00-0057		Female Connector, Half Brass Flare Unions *(23 23 16 00-0040)*		
23 23 16 00-0058	EA	3/8" Brass Flare Female Connector, Half Union	23.82	12.40
23 23 16 00-0059	EA	1/2" Brass Flare Female Connector, Half Union	26.78	12.40
23 23 16 00-0060	EA	5/8" Brass Flare Female Connector, Half Union	26.78	12.40
23 23 16 00-0061		Long Forged Nuts *(23 23 16 00-0040)*		
23 23 16 00-0062	EA	3/8" Brass Long Forged Nut	22.34	12.40
23 23 16 00-0063	EA	1/2" Brass Long Forged Nut	23.19	12.40
23 23 16 00-0064	EA	5/8" Brass Long Forged Nut	32.68	12.40
23 23 16 00-0065		Short Forged Nuts *(23 23 16 00-0040)*		
23 23 16 00-0066	EA	3/8" Brass Short Forged Nut	21.10	12.40
23 23 16 00-0067	EA	1/2" Brass Short Forged Nut	23.07	12.40
23 23 16 00-0068	EA	5/8" Brass Short Forged Nut	23.48	12.40
23 23 16 00-0069		ACR Wrought Copper Fittings *(23 23 16 00-0039)* Note: Soldered.		
23 23 16 00-0070		ACR Wrought Copper Coupling *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0071	EA	1/4" ACR Wrought Copper Coupling	20.50	12.40
23 23 16 00-0072	EA	3/8" ACR Wrought Copper Coupling	20.15	12.40
23 23 16 00-0073	EA	1/2" ACR Wrought Copper Coupling	20.67	12.40
23 23 16 00-0074	EA	5/8" ACR Wrought Copper Coupling	21.27	12.97
23 23 16 00-0075	EA	3/4" ACR Wrought Copper Coupling	30.42	17.11
23 23 16 00-0076	EA	7/8" ACR Wrought Copper Coupling	29.88	17.58
23 23 16 00-0077	EA	1-1/8" ACR Wrought Copper Coupling	39.81	21.83
23 23 16 00-0078	EA	1-3/8" ACR Wrought Copper Coupling	57.31	29.87
23 23 16 00-0079	EA	1-5/8" ACR Wrought Copper Coupling	69.12	35.04
23 23 16 00-0080	EA	2-1/8" ACR Wrought Copper Coupling	91.27	42.50
23 23 16 00-0081	EA	2-5/8" ACR Wrought Copper Coupling	158.93	64.55
23 23 16 00-0082	EA	3-1/8" ACR Wrought Copper Coupling	212.03	84.89
23 23 16 00-0083	EA	4-1/8" ACR Wrought Copper Coupling	343.85	100.86
23 23 16 00-0084		ACR Wrought Copper Short Radius 90 Degree Elbows *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0085	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	25.19	12.40
23 23 16 00-0086	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	25.54	12.40
23 23 16 00-0087	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	25.19	12.40
23 23 16 00-0088	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	27.36	12.97
23 23 16 00-0089	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	39.99	17.11
23 23 16 00-0090	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	40.49	17.58
23 23 16 00-0091	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	51.65	21.83
23 23 16 00-0092	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	64.13	29.87
23 23 16 00-0093	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	82.73	35.04
23 23 16 00-0094	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	118.61	42.50
23 23 16 00-0095	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	206.71	64.55
23 23 16 00-0096	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	265.47	84.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0097	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	504.85	100.86
23 23 16 00-0098		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0099	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	31.05	12.40
23 23 16 00-0100	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	27.95	12.40
23 23 16 00-0101	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	30.41	12.40
23 23 16 00-0102	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	30.18	12.97
23 23 16 00-0103	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	36.54	17.11
23 23 16 00-0104	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	40.12	17.58
23 23 16 00-0105	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	54.90	21.83
23 23 16 00-0106	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	80.84	29.87
23 23 16 00-0107	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	100.97	35.04
23 23 16 00-0108	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	190.99	42.50
23 23 16 00-0109	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	298.33	64.55
23 23 16 00-0110	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	394.21	84.89
23 23 16 00-0111	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	866.20	100.86
23 23 16 00-0112		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0113	EA	1/4" ACR Wrought Copper 45 Degree Elbow	35.31	12.40
23 23 16 00-0114	EA	3/8" ACR Wrought Copper 45 Degree Elbow	31.05	12.40
23 23 16 00-0115	EA	1/2" ACR Wrought Copper 45 Degree Elbow	29.24	12.40
23 23 16 00-0116	EA	5/8" ACR Wrought Copper 45 Degree Elbow	23.82	12.97
23 23 16 00-0117	EA	3/4" ACR Wrought Copper 45 Degree Elbow	44.52	17.11
23 23 16 00-0118	EA	7/8" ACR Wrought Copper 45 Degree Elbow	33.85	17.58
23 23 16 00-0119	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	51.61	21.83
23 23 16 00-0120	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	70.14	29.87
23 23 16 00-0121	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	83.11	35.04
23 23 16 00-0122	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	114.64	42.50
23 23 16 00-0123	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	205.38	64.55
23 23 16 00-0124	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	278.89	84.89
23 23 16 00-0125	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	474.17	100.86
23 23 16 00-0126		**ACR Wrought Copper Tee** *(23 23 16 00-0069)* Note: C x C x C		
23 23 16 00-0127	EA	1/4" ACR Wrought Copper Tee	44.32	20.66
23 23 16 00-0128	EA	3/8" ACR Wrought Copper Tee	45.07	20.66
23 23 16 00-0129	EA	1/2" ACR Wrought Copper Tee	42.29	20.66
23 23 16 00-0130	EA	5/8" ACR Wrought Copper Tee	43.00	26.07
23 23 16 00-0131	EA	3/4" ACR Wrought Copper Tee	64.80	26.07
23 23 16 00-0132	EA	7/8" ACR Wrought Copper Tee	49.27	26.42
23 23 16 00-0133	EA	1-1/8" ACR Wrought Copper Tee	82.44	35.04
23 23 16 00-0134	EA	1-3/8" ACR Wrought Copper Tee	104.05	42.50
23 23 16 00-0135	EA	1-5/8" ACR Wrought Copper Tee	137.88	50.43
23 23 16 00-0136	EA	2-1/8" ACR Wrought Copper Tee	197.92	67.20
23 23 16 00-0137	EA	2-5/8" ACR Wrought Copper Tee	415.89	146.68
23 23 16 00-0138	EA	3-1/8" ACR Wrought Copper Tee	523.08	161.27
23 23 16 00-0139	EA	4-1/8" ACR Wrought Copper Tee	949.38	179.19
23 23 16 00-0140		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0069)* Note: C x M		
23 23 16 00-0141	EA	1/4" ACR Wrought Copper Male Adapter	39.54	12.40
23 23 16 00-0142	EA	3/8" ACR Wrought Copper Male Adapter	46.35	12.40
23 23 16 00-0143	EA	1/2" ACR Wrought Copper Male Adapter	35.04	12.40
23 23 16 00-0144		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0069)* Note: C x F		
23 23 16 00-0145	EA	1/4" ACR Wrought Copper Female Adapter	36.87	12.40
23 23 16 00-0146	EA	3/8" ACR Wrought Copper Female Adapter	32.96	12.40
23 23 16 00-0147	EA	1/2" ACR Wrought Copper Female Adapter	34.44	12.40
23 23 16 00-0148		**ACR Wrought Copper Cap** *(23 23 16 00-0069)* Note: C		
23 23 16 00-0149	EA	1/4" ACR Wrought Copper Cap	15.63	8.27
23 23 16 00-0150	EA	3/8" ACR Wrought Copper Cap	14.40	8.27
23 23 16 00-0151	EA	1/2" ACR Wrought Copper Cap	15.60	8.27
23 23 16 00-0152		**ACR Wrought Copper P-Trap** *(23 23 16 00-0069)*		
23 23 16 00-0153	EA	5/8" ACR Wrought Copper P-Trap	109.93	10.58
23 23 16 00-0154	EA	3/4" ACR Wrought Copper P-Trap	151.45	11.63
23 23 16 00-0155	EA	7/8" ACR Wrought Copper P-Trap	129.10	11.63
23 23 16 00-0156	EA	1-1/8" ACR Wrought Copper P-Trap	178.40	12.69
23 23 16 00-0157	EA	1-3/8" ACR Wrought Copper P-Trap	311.47	12.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0158	EA	1-5/8" ACR Wrought Copper P-Trap	444.42	13.75
23 23 16 00-0159	EA	2-1/8" ACR Wrought Copper P-Trap	820.30	14.81
23 23 16 00-0160		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0161	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	59.48	15.87
23 23 16 00-0162	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	72.23	19.04
23 23 16 00-0163	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	87.32	23.27
23 23 16 00-0164	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	95.89	26.45
23 23 16 00-0165	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	129.62	33.85
23 23 16 00-0166	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	149.65	41.26
23 23 16 00-0167	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	232.60	48.67
23 23 16 00-0168	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	286.07	66.65
23 23 16 00-0169	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	351.04	82.51
23 23 16 00-0170		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0171		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0170)*		
23 23 16 00-0172	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	543.47	9.53
23 23 16 00-0173	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	545.15	11.63
23 23 16 00-0174	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	696.13	11.63
23 23 16 00-0175	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	692.04	12.69
23 23 16 00-0176	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	769.79	13.75
23 23 16 00-0177	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	864.17	14.81
23 23 16 00-0178	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,009.28	15.87
23 23 16 00-0179	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,259.98	15.87
23 23 16 00-0180		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0170)*		
23 23 16 00-0181	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	86.11	9.53
23 23 16 00-0182	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	110.01	9.53
23 23 16 00-0183	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	140.49	10.58
23 23 16 00-0184	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	162.81	10.58
23 23 16 00-0185	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	178.96	10.58
23 23 16 00-0186	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	207.34	10.58
23 23 16 00-0187	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	233.28	11.63
23 23 16 00-0188	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	345.78	11.63
23 23 16 00-0189	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	375.94	11.63
23 23 16 00-0190		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0170)*		
23 23 16 00-0191	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	121.33	9.53
23 23 16 00-0192	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	135.08	9.53
23 23 16 00-0193	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	161.00	10.58
23 23 16 00-0194	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	145.02	9.53
23 23 16 00-0195	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	181.51	10.58
23 23 16 00-0196	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	210.86	10.58
23 23 16 00-0197		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0198	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	109.14	9.53
23 23 16 00-0199	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	120.50	9.53
23 23 16 00-0200	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	145.30	9.53
23 23 16 00-0201	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	194.68	11.63
23 23 16 00-0202	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	253.93	11.63
23 23 16 00-0203	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	301.65	12.69
23 23 16 00-0204	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	382.37	13.75
23 23 16 00-0205	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	708.57	14.81
23 23 16 00-0206	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	791.06	15.87
23 23 16 00-0207	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	978.84	15.87
23 23 16 00-0208		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0209		**Thermostatic Expansion Valves** *(23 23 16 00-0208)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0210	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	235.29	9.53
23 23 16 00-0211	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	327.71	10.58
23 23 16 00-0212	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	559.50	10.58
23 23 16 00-0213	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	663.14	11.63
23 23 16 00-0214	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	716.03	11.63
23 23 16 00-0215		**Electric Expansion Valves** *(23 23 16 00-0208)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0216	EA	1/2 To 11 Ton Electric Expansion Valve	574.61	13.22
		Note: Sporlan SEI.		
23 23 16 00-0217	EA	25 Ton Electric Expansion Valve	665.91	13.75
		Note: Sporlan SEI.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0218	EA	50 Ton Electric Expansion Valve Note: Sporlan SEI.	757.73	14.28
23 23 16 00-0219	EA	100 Ton Electric Expansion Valve Note: Sporlan SEH.	889.42	14.28
23 23 16 00-0220	EA	175 Ton Electric Expansion Valve Note: Sporlan SEH.	1,001.85	14.81
23 23 16 00-0221		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0208)*		
23 23 16 00-0222	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	62.40	13.75
23 23 16 00-0223	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	62.58	15.87
23 23 16 00-0224	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	81.19	20.10
23 23 16 00-0225	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	87.35	24.33
23 23 16 00-0226	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	102.81	29.62
23 23 16 00-0227	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	119.05	33.85
23 23 16 00-0228	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	168.99	12.69
23 23 16 00-0229	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	238.84	13.75
23 23 16 00-0230	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	299.54	13.75
23 23 16 00-0231	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	411.04	14.81
23 23 16 00-0232	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	702.50	15.87
23 23 16 00-0233	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	921.14	15.87
23 23 16 00-0234		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0235	EA	3/4" Accumulator, Refrigeration Suction Line	198.23	48.13
23 23 16 00-0236	EA	7/8" Accumulator, Refrigeration Suction Line	268.54	66.12
23 23 16 00-0237	EA	1-1/8" Accumulator, Refrigeration Suction Line	318.98	88.13
23 23 16 00-0238	EA	1 3/8" Accumulator, Refrigeration Suction Line	451.96	105.79
23 23 16 00-0239	EA	1-5/8" Accumulator, Refrigeration Suction Line	624.75	132.24
23 23 16 00-0240	EA	2-1/8" Accumulator, Refrigeration Suction Line	953.42	176.36
23 23 16 00-0241		**Special Chemicals/Component** *(23 23 16)*		
23 23 16 00-0242	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	41.26	
23 23 16 00-0243	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	8.20	
23 23 16 00-0244	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	28.03	
23 23 16 00-0245	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	342.86	
23 23 16 00-0246		**Copper Refrigeration Line Sets, Pre-Insulated** *(23 23 16)* Note: Includes fasteners and insulation on suction line only		
23 23 16 00-0247	LF	5/16" Outside Diameter Liquid, And 5/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	14.69	0.89
23 23 16 00-0248	LF	5/16" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	15.51	0.89
23 23 16 00-0249	LF	3/8" Outside Diameter Liquid, And 5/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	13.84	0.90
23 23 16 00-0250	LF	3/8" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	16.32	0.91
23 23 16 00-0251	LF	3/8" Outside Diameter Liquid, And 7/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	19.73	0.93
23 23 16 00-0252	LF	3/8" Outside Diameter Liquid, And 1-1/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	23.23	0.99
23 23 16 00-0253	LF	1/2" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	17.21	0.93
23 23 16 00-0254	LF	1/2" Outside Diameter Liquid, And 7/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	21.85	1.00
23 23 16 00-0255	LF	1/2" Outside Diameter Liquid, And 1-1/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	26.47	1.06
23 23 16 00-0256		**Triple Copper Refrigeration Line Sets** *(23 23 16)* Note: Includes fasteners and insulation		
23 23 16 00-0257	LF	1-3/8" / 1-1/8" / 3/4" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	56.72	8.69
23 23 16 00-0258	LF	1-1/8" / 7/8" / 3/4" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	46.39	7.78
23 23 16 00-0259	LF	1-1/8" / 7/8" / 5/8" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	44.79	7.50
23 23 16 00-0260	LF	1-1/8" / 3/4" / 1/2" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	41.90	7.34
23 23 16 00-0261	LF	7/8" / 3/4" / 1/2" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	37.14	6.80
23 23 16 00-0262	LF	5/8" / 1/2" / 3/8" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	30.06	5.94
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		**Refrigerant** *(23 23 23)*		
23 23 23 00-0002	LB	R-113 Refrigerant	58.19	
23 23 23 00-0003	LB	R-123 Refrigerant	42.68	
23 23 23 00-0004	LB	R-134A Refrigerant	15.21	
23 23 23 00-0005	LB	R-404A Refrigerant	27.23	
23 23 23 00-0006	LB	R-407C Refrigerant	26.93	
23 23 23 00-0007	LB	R-408A Refrigerant	61.39	
23 23 23 00-0008	LB	R-410A Refrigerant	26.39	
23 23 23 00-0009	LB	R-500 Refrigerant	52.16	
23 23 23 00-0010	LB	R-507 Refrigerant	16.79	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment for Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001 Polyethylene Chemical Storage Tanks *(23 25 13)*

23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	531.84	88.33

23 25 13 00-0003 Gas Chlorinator *(23 25 13)*

23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,153.90	401.86
		For Booster Pump, Add	*450.84*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,318.31	459.28
		For Booster Pump, Add	*515.35*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,816.93	347.90
		For Booster Pump, Add	*630.14*	

23 25 13 00-0007 Bypass Shot Feeders *(23 25 13)*

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG *(23 25 13 00-0007)*

23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,052.97	299.39

23 25 13 00-0010 Floor Mount, 175 PSIG *(23 25 13 00-0007)*

23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,549.07	450.67
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,042.54	596.66

23 25 13 00-0013 Floor Mount, 150 LB ASME Code *(23 25 13 00-0007)*

23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,549.07	450.67
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	2,042.54	596.66

23 25 13 00-0016 Floor Mount, 300 LB ASME Code *(23 25 13 00-0007)*

23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,933.78	450.67
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,442.01	596.66

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	12.40	3.25
		For Polyvinyl Chloride (PVC) Coated, Add	*0.48*	
		For Up To 200, Add	*4.44*	
		For >200 To 500, Add	*2.83*	
		For >500 To 1,000, Add	*1.90*	
		For >1,000 To 2,000, Add	*1.06*	
		For >2,000 To 5,000, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.00*	
		For Elevated Installation >10' To 15', Add	*0.60*	
		For Elevated Installation >15' To 20', Add	*1.20*	
		For Elevated Installation >20' To 25', Add	*1.50*	
		For Elevated Installation >25' To 30', Add	*2.10*	
		For Elevated Installation >30' To 35', Add	*2.40*	
		For Elevated Installation >35' To 40', Add	*3.00*	
		For Elevated Installation >40', Add	*3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	14.13	3.25
		For Polyvinyl Chloride (PVC) Coated, Add	*0.53*	
		For Up To 200, Add	*5.03*	
		For >200 To 500, Add	*3.20*	
		For >500 To 1,000, Add	*2.16*	
		For >1,000 To 2,000, Add	*1.21*	
		For >2,000 To 5,000, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.45*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.45*	
		For Elevated Installation >40', Add	*3.80*	
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	16.88	3.25
		For Polyvinyl Chloride (PVC) Coated, Add	*0.57*	
		For Up To 200, Add	*5.93*	
		For >200 To 500, Add	*3.76*	
		For >500 To 1,000, Add	*2.56*	
		For >1,000 To 2,000, Add	*1.44*	
		For >2,000 To 5,000, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.20*	
		For Elevated Installation >40', Add	*4.62*	
23 31 13 13-0006		Alloy 3003-H14, Aluminum Sheet Metal Ductwork *(23 31 13 13-0001)*		
		Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge – 0.901 LB/SF; 12 gauge – 0.141 LB/SF		
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	24.15	3.25
		For Work In Restricted Working Space, Add	*5.93*	
		For Up To 200, Add	*8.56*	
		For >200 To 500, Add	*5.44*	
		For >500 To 1,000, Add	*3.69*	
		For >1,000 To 2,000, Add	*2.06*	
		For >2,000 To 5,000, Add	*0.92*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.97*	
		For Elevated Installation >25' To 30', Add	*4.15*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.93*	
		For Elevated Installation >40', Add	*6.52*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	27.36	3.25
		For Work In Restricted Working Space, Add	*6.82*	
		For Up To 200, Add	*9.59*	
		For >200 To 500, Add	*6.08*	
		For >500 To 1,000, Add	*4.15*	
		For >1,000 To 2,000, Add	*2.33*	
		For >2,000 To 5,000, Add	*1.05*	
		For Elevated Installation >10' To 15', Add	*1.36*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.41*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.82*	
		For Elevated Installation >40', Add	*7.50*	
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	32.54	3.25
		For Work In Restricted Working Space, Add	*8.30*	
		For Up To 200, Add	*11.22*	
		For >200 To 500, Add	*7.07*	
		For >500 To 1,000, Add	*4.90*	
		For >1,000 To 2,000, Add	*2.75*	
		For >2,000 To 5,000, Add	*1.25*	
		For Elevated Installation >10' To 15', Add	*1.66*	
		For Elevated Installation >15' To 20', Add	*3.32*	
		For Elevated Installation >20' To 25', Add	*4.15*	
		For Elevated Installation >25' To 30', Add	*5.81*	
		For Elevated Installation >30' To 35', Add	*6.64*	
		For Elevated Installation >35' To 40', Add	*8.30*	
		For Elevated Installation >40', Add	*9.13*	
23 31 13 13-0010		Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)*		
		Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge – 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge – 3.154 LB/SF; 12 gauge – 4.427 LB/SF		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	18.02	4.33
		For Work In Restricted Working Space, Add	*3.65*	
		For Welded Seams, Add	*6.37*	
		For Up To 200, Add	*7.17*	
		For >200 To 500, Add	*4.71*	
		For >500 To 1,000, Add	*2.93*	
		For >1,000 To 2,000, Add	*1.62*	
		For >2,000 To 5,000, Add	*0.66*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.82*	
		For Elevated Installation >25' To 30', Add	*2.55*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.01*	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	20.77	4.33
		For Work In Restricted Working Space, Add	*4.40*	
		For Welded Seams, Add	*7.64*	
		For Up To 200, Add	*8.06*	
		For >200 To 500, Add	*5.27*	
		For >500 To 1,000, Add	*3.34*	
		For >1,000 To 2,000, Add	*1.84*	
		For >2,000 To 5,000, Add	*0.77*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.76*	
		For Elevated Installation >20' To 25', Add	*2.20*	
		For Elevated Installation >25' To 30', Add	*3.08*	
		For Elevated Installation >30' To 35', Add	*3.52*	
		For Elevated Installation >35' To 40', Add	*4.40*	
		For Elevated Installation >40', Add	*4.84*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	23.35	4.33
		For Work In Restricted Working Space, Add	*5.10*	
		For Welded Seams, Add	*8.82*	
		For Up To 200, Add	*8.91*	
		For >200 To 500, Add	*5.79*	
		For >500 To 1,000, Add	*3.71*	
		For >1,000 To 2,000, Add	*2.06*	
		For >2,000 To 5,000, Add	*0.87*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.55*	
		For Elevated Installation >25' To 30', Add	*3.57*	
		For Elevated Installation >30' To 35', Add	*4.08*	
		For Elevated Installation >35' To 40', Add	*5.10*	
		For Elevated Installation >40', Add	*5.61*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	13.11	6.68
		For Seal Class B, Add	*1.67*	
		For Seal Class A, Add	*3.56*	
		For Work In Restricted Working Space, Add	*3.34*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.37	8.35
		For Seal Class B, Add	*2.09*	
		For Seal Class A, Add	*4.45*	
		For Work In Restricted Working Space, Add	*4.18*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.66	10.03
		For Seal Class B, Add	*2.51*	
		For Seal Class A, Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.01*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.92	11.69
		For Seal Class B, Add	*2.92*	
		For Seal Class A, Add	*6.23*	
		For Work In Restricted Working Space, Add	*5.84*	
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.22	13.37
		For Seal Class B, Add	*3.34*	
		For Seal Class A, Add	*7.13*	
		For Work In Restricted Working Space, Add	*6.68*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.48	15.04
		For Seal Class B, Add	*3.76*	
		For Seal Class A, Add	*8.02*	
		For Work In Restricted Working Space, Add	*7.52*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.75	16.70
		For Seal Class B, Add	*4.18*	
		For Seal Class A, Add	*8.91*	
		For Work In Restricted Working Space, Add	*8.36*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.66	10.03
		For Seal Class B, Add	*2.51*	
		For Seal Class A, Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.92	11.69
		For Seal Class B, Add	*2.92*	
		For Seal Class A, Add	*6.23*	
		For Work In Restricted Working Space, Add	*5.84*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.22	13.37
		For Seal Class B, Add	*3.34*	
		For Seal Class A, Add	*7.13*	
		For Work In Restricted Working Space, Add	*6.68*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.48	15.04
		For Seal Class B, Add	*3.76*	
		For Seal Class A, Add	*8.02*	
		For Work In Restricted Working Space, Add	*7.52*	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.75	16.70
		For Seal Class B, Add	*4.18*	
		For Seal Class A, Add	*8.91*	
		For Work In Restricted Working Space, Add	*8.36*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.04	18.38
		For Seal Class B, Add	*4.59*	
		For Seal Class A, Add	*9.80*	
		For Work In Restricted Working Space, Add	*9.19*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.22	13.37
		For Seal Class B, Add	*3.34*	
		For Seal Class A, Add	*7.13*	
		For Work In Restricted Working Space, Add	*6.68*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.48	15.04
		For Seal Class B, Add	*3.76*	
		For Seal Class A, Add	*8.02*	
		For Work In Restricted Working Space, Add	*7.52*	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.75	16.70
		For Seal Class B, Add	*4.18*	
		For Seal Class A, Add	*8.91*	
		For Work In Restricted Working Space, Add	*8.36*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.04	18.38
		For Seal Class B, Add	*4.59*	
		For Seal Class A, Add	*9.80*	
		For Work In Restricted Working Space, Add	*9.19*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.30	20.04
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.69*	
		For Work In Restricted Working Space, Add	*10.02*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.59	21.72
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.86	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.47*	
		For Work In Restricted Working Space, Add	*11.69*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.14	25.06
		For Seal Class B, Add	*6.26*	
		For Seal Class A, Add	*13.36*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.40	26.73
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.25*	
		For Work In Restricted Working Space, Add	*13.36*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.75	16.70
		For Seal Class B, Add	*4.18*	
		For Seal Class A, Add	*8.91*	
		For Work In Restricted Working Space, Add	*8.36*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.04	18.38
		For Seal Class B, Add	*4.59*	
		For Seal Class A, Add	*9.80*	
		For Work In Restricted Working Space, Add	*9.19*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.30	20.04
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.69*	
		For Work In Restricted Working Space, Add	*10.02*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.59	21.72
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.86	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.47*	
		For Work In Restricted Working Space, Add	*11.69*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.14	25.06
		For Seal Class B, Add	*6.26*	
		For Seal Class A, Add	*13.36*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.40	26.73
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.25*	
		For Work In Restricted Working Space, Add	*13.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.70	28.40
		For Seal Class B, Add	*7.10*	
		For Seal Class A, Add	*15.15*	
		For Work In Restricted Working Space, Add	*14.20*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.30	20.04
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.69*	
		For Work In Restricted Working Space, Add	*10.02*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.59	21.72
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.86	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.47*	
		For Work In Restricted Working Space, Add	*11.69*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.14	25.06
		For Seal Class B, Add	*6.26*	
		For Seal Class A, Add	*13.36*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.40	26.73
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.25*	
		For Work In Restricted Working Space, Add	*13.36*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.70	28.40
		For Seal Class B, Add	*7.10*	
		For Seal Class A, Add	*15.15*	
		For Work In Restricted Working Space, Add	*14.20*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.97	30.07
		For Seal Class B, Add	*7.52*	
		For Seal Class A, Add	*16.04*	
		For Work In Restricted Working Space, Add	*15.04*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.86	23.39
		For Seal Class B, Add	*5.85*	
		For Seal Class A, Add	*12.47*	
		For Work In Restricted Working Space, Add	*11.69*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.14	25.06
		For Seal Class B, Add	*6.26*	
		For Seal Class A, Add	*13.36*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.40	26.73
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.25*	
		For Work In Restricted Working Space, Add	*13.36*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.70	28.40
		For Seal Class B, Add	*7.10*	
		For Seal Class A, Add	*15.15*	
		For Work In Restricted Working Space, Add	*14.20*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.97	30.07
		For Seal Class B, Add	*7.52*	
		For Seal Class A, Add	*16.04*	
		For Work In Restricted Working Space, Add	*15.04*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.25	31.74
		For Seal Class B, Add	*7.94*	
		For Seal Class A, Add	*16.93*	
		For Work In Restricted Working Space, Add	*15.87*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.40	26.73
		For Seal Class B, Add	*6.68*	
		For Seal Class A, Add	*14.25*	
		For Work In Restricted Working Space, Add	*13.36*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.70	28.40
		For Seal Class B, Add	*7.10*	
		For Seal Class A, Add	*15.15*	
		For Work In Restricted Working Space, Add	*14.20*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.97	30.07
		For Seal Class B, Add	*7.52*	
		For Seal Class A, Add	*16.04*	
		For Work In Restricted Working Space, Add	*15.04*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.25	31.74
		For Seal Class B, Add	*7.94*	
		For Seal Class A, Add	*16.93*	
		For Work In Restricted Working Space, Add	*15.87*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.51	33.41
		For Seal Class B, Add	*8.35*	
		For Seal Class A, Add	*17.82*	
		For Work In Restricted Working Space, Add	*16.70*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.97	30.07
		For Seal Class B, Add	*7.52*	
		For Seal Class A, Add	*16.04*	
		For Work In Restricted Working Space, Add	*15.04*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.25	31.74
		For Seal Class B, Add	*7.94*	
		For Seal Class A, Add	*16.93*	
		For Work In Restricted Working Space, Add	*15.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.51	33.41
		For Seal Class B, Add	*8.35*	
		For Seal Class A, Add	*17.82*	
		For Work In Restricted Working Space, Add	*16.70*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.77	35.08
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.71*	
		For Work In Restricted Working Space, Add	*17.54*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.51	33.41
		For Seal Class B, Add	*8.35*	
		For Seal Class A, Add	*17.82*	
		For Work In Restricted Working Space, Add	*16.70*	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.77	35.08
		For Seal Class B, Add	*8.77*	
		For Seal Class A, Add	*18.71*	
		For Work In Restricted Working Space, Add	*17.54*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.07	36.75
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.60*	
		For Work In Restricted Working Space, Add	*18.38*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.07	36.75
		For Seal Class B, Add	*9.19*	
		For Seal Class A, Add	*19.60*	
		For Work In Restricted Working Space, Add	*18.38*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.34	38.42
		For Seal Class B, Add	*9.61*	
		For Seal Class A, Add	*20.49*	
		For Work In Restricted Working Space, Add	*19.21*	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.63	40.10
		For Seal Class B, Add	*10.02*	
		For Seal Class A, Add	*21.39*	
		For Work In Restricted Working Space, Add	*20.05*	

23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	15.59	7.96
		For Seal Class B, Add	*1.99*	
		For Seal Class A, Add	*4.24*	
		For Work In Restricted Working Space, Add	*3.98*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.51	9.94
		For Seal Class B, Add	*2.49*	
		For Seal Class A, Add	*5.31*	
		For Work In Restricted Working Space, Add	*4.97*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.40	11.93
		For Seal Class B, Add	*2.98*	
		For Seal Class A, Add	*6.36*	
		For Work In Restricted Working Space, Add	*5.97*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.29	13.92
		For Seal Class B, Add	*3.48*	
		For Seal Class A, Add	*7.42*	
		For Work In Restricted Working Space, Add	*6.96*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.21	15.92
		For Seal Class B, Add	*3.98*	
		For Seal Class A, Add	*8.49*	
		For Work In Restricted Working Space, Add	*7.96*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.09	17.90
		For Seal Class B, Add	*4.47*	
		For Seal Class A, Add	*9.55*	
		For Work In Restricted Working Space, Add	*8.95*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.99	19.89
		For Seal Class B, Add	*4.97*	
		For Seal Class A, Add	*10.61*	
		For Work In Restricted Working Space, Add	*9.95*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.40	11.93
		For Seal Class B, Add	*2.98*	
		For Seal Class A, Add	*6.36*	
		For Work In Restricted Working Space, Add	*5.97*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.29	13.92
		For Seal Class B, Add	*3.48*	
		For Seal Class A, Add	*7.42*	
		For Work In Restricted Working Space, Add	*6.96*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.21	15.92
		For Seal Class B, Add	*3.98*	
		For Seal Class A, Add	*8.49*	
		For Work In Restricted Working Space, Add	*7.96*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.09	17.90
		For Seal Class B, Add	*4.47*	
		For Seal Class A, Add	*9.55*	
		For Work In Restricted Working Space, Add	*8.95*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.99	19.89
		For Seal Class B, Add	*4.97*	
		For Seal Class A, Add	*10.61*	
		For Work In Restricted Working Space, Add	*9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.91	21.88
		For Seal Class B, Add	*5.47*	
		For Seal Class A, Add	*11.67*	
		For Work In Restricted Working Space, Add	*10.94*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.21	15.92
		For Seal Class B, Add	*3.98*	
		For Seal Class A, Add	*8.49*	
		For Work In Restricted Working Space, Add	*7.96*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.09	17.90
		For Seal Class B, Add	*4.47*	
		For Seal Class A, Add	*9.55*	
		For Work In Restricted Working Space, Add	*8.95*	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.99	19.89
		For Seal Class B, Add	*4.97*	
		For Seal Class A, Add	*10.61*	
		For Work In Restricted Working Space, Add	*9.95*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.91	21.88
		For Seal Class B, Add	*5.47*	
		For Seal Class A, Add	*11.67*	
		For Work In Restricted Working Space, Add	*10.94*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.79	23.86
		For Seal Class B, Add	*5.97*	
		For Seal Class A, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.93*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.69	25.85
		For Seal Class B, Add	*6.46*	
		For Seal Class A, Add	*13.79*	
		For Work In Restricted Working Space, Add	*12.93*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.61	27.85
		For Seal Class B, Add	*6.96*	
		For Seal Class A, Add	*14.85*	
		For Work In Restricted Working Space, Add	*13.92*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.49	29.83
		For Seal Class B, Add	*7.46*	
		For Seal Class A, Add	*15.91*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.41	31.82
		For Seal Class B, Add	*7.95*	
		For Seal Class A, Add	*16.97*	
		For Work In Restricted Working Space, Add	*15.91*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.99	19.89
		For Seal Class B, Add	*4.97*	
		For Seal Class A, Add	*10.61*	
		For Work In Restricted Working Space, Add	*9.95*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.91	21.88
		For Seal Class B, Add	*5.47*	
		For Seal Class A, Add	*11.67*	
		For Work In Restricted Working Space, Add	*10.94*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.79	23.86
		For Seal Class B, Add	*5.97*	
		For Seal Class A, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.93*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.69	25.85
		For Seal Class B, Add	*6.46*	
		For Seal Class A, Add	*13.79*	
		For Work In Restricted Working Space, Add	*12.93*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.61	27.85
		For Seal Class B, Add	*6.96*	
		For Seal Class A, Add	*14.85*	
		For Work In Restricted Working Space, Add	*13.92*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.49	29.83
		For Seal Class B, Add	*7.46*	
		For Seal Class A, Add	*15.91*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.41	31.82
		For Seal Class B, Add	*7.95*	
		For Seal Class A, Add	*16.97*	
		For Work In Restricted Working Space, Add	*15.91*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.31	33.82
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.04*	
		For Work In Restricted Working Space, Add	*16.91*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.79	23.86
		For Seal Class B, Add	*5.97*	
		For Seal Class A, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.93*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.69	25.85
		For Seal Class B, Add	*6.46*	
		For Seal Class A, Add	*13.79*	
		For Work In Restricted Working Space, Add	*12.93*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.61	27.85
		For Seal Class B, Add	*6.96*	
		For Seal Class A, Add	*14.85*	
		For Work In Restricted Working Space, Add	*13.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.49	29.83
		For Seal Class B, Add	*7.46*	
		For Seal Class A, Add	*15.91*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.41	31.82
		For Seal Class B, Add	*7.95*	
		For Seal Class A, Add	*16.97*	
		For Work In Restricted Working Space, Add	*15.91*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.31	33.82
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.04*	
		For Work In Restricted Working Space, Add	*16.91*	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.20	35.79
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.09*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.61	27.85
		For Seal Class B, Add	*6.96*	
		For Seal Class A, Add	*14.85*	
		For Work In Restricted Working Space, Add	*13.92*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.49	29.83
		For Seal Class B, Add	*7.46*	
		For Seal Class A, Add	*15.91*	
		For Work In Restricted Working Space, Add	*14.92*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.41	31.82
		For Seal Class B, Add	*7.95*	
		For Seal Class A, Add	*16.97*	
		For Work In Restricted Working Space, Add	*15.91*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.31	33.82
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.04*	
		For Work In Restricted Working Space, Add	*16.91*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.20	35.79
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.09*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.11	37.79
		For Seal Class B, Add	*9.45*	
		For Seal Class A, Add	*20.15*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.41	31.82
		For Seal Class B, Add	*7.95*	
		For Seal Class A, Add	*16.97*	
		For Work In Restricted Working Space, Add	*15.91*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.31	33.82
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*18.04*	
		For Work In Restricted Working Space, Add	*16.91*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.20	35.79
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.09*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.11	37.79
		For Seal Class B, Add	*9.45*	
		For Seal Class A, Add	*20.15*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.00	39.77
		For Seal Class B, Add	*9.94*	
		For Seal Class A, Add	*21.21*	
		For Work In Restricted Working Space, Add	*19.89*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.20	35.79
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.09*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.11	37.79
		For Seal Class B, Add	*9.45*	
		For Seal Class A, Add	*20.15*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.00	39.77
		For Seal Class B, Add	*9.94*	
		For Seal Class A, Add	*21.21*	
		For Work In Restricted Working Space, Add	*19.89*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.89	41.77
		For Seal Class B, Add	*10.44*	
		For Seal Class A, Add	*22.28*	
		For Work In Restricted Working Space, Add	*20.88*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.00	39.77
		For Seal Class B, Add	*9.94*	
		For Seal Class A, Add	*21.21*	
		For Work In Restricted Working Space, Add	*19.89*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.89	41.77
		For Seal Class B, Add	*10.44*	
		For Seal Class A, Add	*22.28*	
		For Work In Restricted Working Space, Add	*20.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.81	43.76
		For Seal Class B, Add	*10.94*	
		For Seal Class A, Add	*23.33*	
		For Work In Restricted Working Space, Add	*21.88*	
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.81	43.76
		For Seal Class B, Add	*10.94*	
		For Seal Class A, Add	*23.33*	
		For Work In Restricted Working Space, Add	*21.88*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.69	45.74
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.39*	
		For Work In Restricted Working Space, Add	*22.87*	
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.60	47.74
		For Seal Class B, Add	*11.93*	
		For Seal Class A, Add	*25.46*	
		For Work In Restricted Working Space, Add	*23.87*	
23 31 13 13-0133		**26 Gauge Galvanized Steel Metal Ductwork** *(23 31 13 13-0014)*		
23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	18.10	9.22
		For Seal Class B, Add	*2.31*	
		For Seal Class A, Add	*4.92*	
		For Work In Restricted Working Space, Add	*4.61*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	22.62	11.53
		For Seal Class B, Add	*2.88*	
		For Seal Class A, Add	*6.15*	
		For Work In Restricted Working Space, Add	*5.77*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.14	13.85
		For Seal Class B, Add	*3.46*	
		For Seal Class A, Add	*7.38*	
		For Work In Restricted Working Space, Add	*6.92*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.66	16.16
		For Seal Class B, Add	*4.04*	
		For Seal Class A, Add	*8.61*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.19	18.46
		For Seal Class B, Add	*4.61*	
		For Seal Class A, Add	*9.84*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.71	20.76
		For Seal Class B, Add	*5.19*	
		For Seal Class A, Add	*11.07*	
		For Work In Restricted Working Space, Add	*10.38*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.23	23.07
		For Seal Class B, Add	*5.77*	
		For Seal Class A, Add	*12.30*	
		For Work In Restricted Working Space, Add	*11.54*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.14	13.85
		For Seal Class B, Add	*3.46*	
		For Seal Class A, Add	*7.38*	
		For Work In Restricted Working Space, Add	*6.92*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.66	16.16
		For Seal Class B, Add	*4.04*	
		For Seal Class A, Add	*8.61*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.19	18.46
		For Seal Class B, Add	*4.61*	
		For Seal Class A, Add	*9.84*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.71	20.76
		For Seal Class B, Add	*5.19*	
		For Seal Class A, Add	*11.07*	
		For Work In Restricted Working Space, Add	*10.38*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.23	23.07
		For Seal Class B, Add	*5.77*	
		For Seal Class A, Add	*12.30*	
		For Work In Restricted Working Space, Add	*11.54*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.78	25.38
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*13.54*	
		For Work In Restricted Working Space, Add	*12.69*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.19	18.46
		For Seal Class B, Add	*4.61*	
		For Seal Class A, Add	*9.84*	
		For Work In Restricted Working Space, Add	*9.23*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.71	20.76
		For Seal Class B, Add	*5.19*	
		For Seal Class A, Add	*11.07*	
		For Work In Restricted Working Space, Add	*10.38*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.24	23.07
		For Seal Class B, Add	*5.77*	
		For Seal Class A, Add	*12.30*	
		For Work In Restricted Working Space, Add	*11.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.78	25.38
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*13.54*	
		For Work In Restricted Working Space, Add	*12.69*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.30	27.69
		For Seal Class B, Add	*6.92*	
		For Seal Class A, Add	*14.77*	
		For Work In Restricted Working Space, Add	*13.85*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.81	29.99
		For Seal Class B, Add	*7.50*	
		For Seal Class A, Add	*16.00*	
		For Work In Restricted Working Space, Add	*15.00*	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.34	32.30
		For Seal Class B, Add	*8.08*	
		For Seal Class A, Add	*17.23*	
		For Work In Restricted Working Space, Add	*16.15*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.87	34.60
		For Seal Class B, Add	*8.65*	
		For Seal Class A, Add	*18.46*	
		For Work In Restricted Working Space, Add	*17.30*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.39	36.91
		For Seal Class B, Add	*9.23*	
		For Seal Class A, Add	*19.69*	
		For Work In Restricted Working Space, Add	*18.46*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.24	23.07
		For Seal Class B, Add	*5.77*	
		For Seal Class A, Add	*12.30*	
		For Work In Restricted Working Space, Add	*11.54*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.77	25.38
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*13.54*	
		For Work In Restricted Working Space, Add	*12.69*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.30	27.69
		For Seal Class B, Add	*6.92*	
		For Seal Class A, Add	*14.77*	
		For Work In Restricted Working Space, Add	*13.85*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.81	29.99
		For Seal Class B, Add	*7.50*	
		For Seal Class A, Add	*16.00*	
		For Work In Restricted Working Space, Add	*15.00*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.34	32.30
		For Seal Class B, Add	*8.08*	
		For Seal Class A, Add	*17.23*	
		For Work In Restricted Working Space, Add	*16.15*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.87	34.60
		For Seal Class B, Add	*8.65*	
		For Seal Class A, Add	*18.46*	
		For Work In Restricted Working Space, Add	*17.30*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.39	36.91
		For Seal Class B, Add	*9.23*	
		For Seal Class A, Add	*19.69*	
		For Work In Restricted Working Space, Add	*18.46*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.92	39.23
		For Seal Class B, Add	*9.81*	
		For Seal Class A, Add	*20.92*	
		For Work In Restricted Working Space, Add	*19.61*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.30	27.69
		For Seal Class B, Add	*6.92*	
		For Seal Class A, Add	*14.77*	
		For Work In Restricted Working Space, Add	*13.85*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.81	29.99
		For Seal Class B, Add	*7.50*	
		For Seal Class A, Add	*16.00*	
		For Work In Restricted Working Space, Add	*15.00*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.34	32.30
		For Seal Class B, Add	*8.08*	
		For Seal Class A, Add	*17.23*	
		For Work In Restricted Working Space, Add	*16.15*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.87	34.60
		For Seal Class B, Add	*8.65*	
		For Seal Class A, Add	*18.46*	
		For Work In Restricted Working Space, Add	*17.30*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.39	36.91
		For Seal Class B, Add	*9.23*	
		For Seal Class A, Add	*19.69*	
		For Work In Restricted Working Space, Add	*18.46*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.92	39.23
		For Seal Class B, Add	*9.81*	
		For Seal Class A, Add	*20.92*	
		For Work In Restricted Working Space, Add	*19.61*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.43	41.53
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*22.15*	
		For Work In Restricted Working Space, Add	*20.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.34	32.30
		For Seal Class B, Add	*8.08*	
		For Seal Class A, Add	*17.23*	
		For Work In Restricted Working Space, Add	*16.15*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.87	34.60
		For Seal Class B, Add	*8.65*	
		For Seal Class A, Add	*18.46*	
		For Work In Restricted Working Space, Add	*17.30*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.39	36.91
		For Seal Class B, Add	*9.23*	
		For Seal Class A, Add	*19.69*	
		For Work In Restricted Working Space, Add	*18.46*	
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.92	39.23
		For Seal Class B, Add	*9.81*	
		For Seal Class A, Add	*20.92*	
		For Work In Restricted Working Space, Add	*19.61*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.43	41.53
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*22.15*	
		For Work In Restricted Working Space, Add	*20.77*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.97	43.84
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.39	36.91
		For Seal Class B, Add	*9.23*	
		For Seal Class A, Add	*19.69*	
		For Work In Restricted Working Space, Add	*18.46*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.92	39.23
		For Seal Class B, Add	*9.81*	
		For Seal Class A, Add	*20.92*	
		For Work In Restricted Working Space, Add	*19.61*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.43	41.53
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*22.15*	
		For Work In Restricted Working Space, Add	*20.77*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.97	43.84
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.49	46.15
		For Seal Class B, Add	*11.54*	
		For Seal Class A, Add	*24.61*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.43	41.53
		For Seal Class B, Add	*10.38*	
		For Seal Class A, Add	*22.15*	
		For Work In Restricted Working Space, Add	*20.77*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.97	43.84
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.49	46.15
		For Seal Class B, Add	*11.54*	
		For Seal Class A, Add	*24.61*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.01	48.45
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.84*	
		For Work In Restricted Working Space, Add	*24.23*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.49	46.15
		For Seal Class B, Add	*11.54*	
		For Seal Class A, Add	*24.61*	
		For Work In Restricted Working Space, Add	*23.07*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.01	48.45
		For Seal Class B, Add	*12.11*	
		For Seal Class A, Add	*25.84*	
		For Work In Restricted Working Space, Add	*24.23*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.52	50.76
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*27.07*	
		For Work In Restricted Working Space, Add	*25.38*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.52	50.76
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*27.07*	
		For Work In Restricted Working Space, Add	*25.38*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.07	53.06
		For Seal Class B, Add	*13.27*	
		For Seal Class A, Add	*28.30*	
		For Work In Restricted Working Space, Add	*26.53*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.59	55.37
		For Seal Class B, Add	*13.84*	
		For Seal Class A, Add	*29.53*	
		For Work In Restricted Working Space, Add	*27.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0192		24 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*		
23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.34	14.32
		For Seal Class B, Add	*3.58*	
		For Seal Class A, Add	*7.64*	
		For Work In Restricted Working Space, Add	*7.16*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.17	17.90
		For Seal Class B, Add	*4.48*	
		For Seal Class A, Add	*9.55*	
		For Work In Restricted Working Space, Add	*8.95*	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.00	21.48
		For Seal Class B, Add	*5.37*	
		For Seal Class A, Add	*11.46*	
		For Work In Restricted Working Space, Add	*10.74*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.83	25.07
		For Seal Class B, Add	*6.27*	
		For Seal Class A, Add	*13.37*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.67	28.65
		For Seal Class B, Add	*7.16*	
		For Seal Class A, Add	*15.28*	
		For Work In Restricted Working Space, Add	*14.32*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.51	32.23
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.19*	
		For Work In Restricted Working Space, Add	*16.11*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.34	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.00	21.48
		For Seal Class B, Add	*5.37*	
		For Seal Class A, Add	*11.46*	
		For Work In Restricted Working Space, Add	*10.74*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.83	25.07
		For Seal Class B, Add	*6.27*	
		For Seal Class A, Add	*13.37*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.67	28.65
		For Seal Class B, Add	*7.16*	
		For Seal Class A, Add	*15.28*	
		For Work In Restricted Working Space, Add	*14.32*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.51	32.23
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.19*	
		For Work In Restricted Working Space, Add	*16.11*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.34	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.18	39.39
		For Seal Class B, Add	*9.85*	
		For Seal Class A, Add	*21.01*	
		For Work In Restricted Working Space, Add	*19.70*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.67	28.65
		For Seal Class B, Add	*7.16*	
		For Seal Class A, Add	*15.28*	
		For Work In Restricted Working Space, Add	*14.32*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.51	32.23
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.19*	
		For Work In Restricted Working Space, Add	*16.11*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.34	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.18	39.39
		For Seal Class B, Add	*9.85*	
		For Seal Class A, Add	*21.01*	
		For Work In Restricted Working Space, Add	*19.70*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.00	42.96
		For Seal Class B, Add	*10.74*	
		For Seal Class A, Add	*22.92*	
		For Work In Restricted Working Space, Add	*21.48*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.83	46.55
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.67	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.50	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.34	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.18	39.39
		For Seal Class B, Add	*9.85*	
		For Seal Class A, Add	*21.01*	
		For Work In Restricted Working Space, Add	*19.70*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.00	42.96
		For Seal Class B, Add	*10.74*	
		For Seal Class A, Add	*22.92*	
		For Work In Restricted Working Space, Add	*21.48*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.83	46.55
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.67	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.50	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.18	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.01	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.85	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.66	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.00	42.96
		For Seal Class B, Add	*10.74*	
		For Seal Class A, Add	*22.92*	
		For Work In Restricted Working Space, Add	*21.48*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.83	46.55
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.67	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.50	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.18	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.01	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.85	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.66	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.50	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.67	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.50	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.18	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.01	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.85	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.66	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.50	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.34	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.18	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.01	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.85	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.66	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.50	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.34	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.17	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.01	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.85	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.66	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.50	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.34	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.17	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.01	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.66	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.50	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.34	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.17	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.01	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.85	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.34	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.17	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.01	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.85	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.68	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.01	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.85	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.68	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.52	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.68	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.52	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.33	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.33	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.17	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.02	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0281		**22 Gauge Galvanized Steel Metal Ductwork** *(23 31 13 13-0014)*		
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.09	14.32
		For Seal Class B, Add	*3.58*	
		For Seal Class A, Add	*7.64*	
		For Work In Restricted Working Space, Add	*7.16*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.11	17.90
		For Seal Class B, Add	*4.48*	
		For Seal Class A, Add	*9.55*	
		For Work In Restricted Working Space, Add	*8.95*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.12	21.48
		For Seal Class B, Add	*5.37*	
		For Seal Class A, Add	*11.46*	
		For Work In Restricted Working Space, Add	*10.74*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.15	25.07
		For Seal Class B, Add	*6.27*	
		For Seal Class A, Add	*13.37*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.17	28.65
		For Seal Class B, Add	*7.16*	
		For Seal Class A, Add	*15.28*	
		For Work In Restricted Working Space, Add	*14.32*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.19	32.23
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.19*	
		For Work In Restricted Working Space, Add	*16.11*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.22	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.12	21.48
		For Seal Class B, Add	*5.37*	
		For Seal Class A, Add	*11.46*	
		For Work In Restricted Working Space, Add	*10.74*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.15	25.07
		For Seal Class B, Add	*6.27*	
		For Seal Class A, Add	*13.37*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.17	28.65
		For Seal Class B, Add	*7.16*	
		For Seal Class A, Add	*15.28*	
		For Work In Restricted Working Space, Add	*14.32*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.19	32.23
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.19*	
		For Work In Restricted Working Space, Add	*16.11*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.22	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.24	39.39
		For Seal Class B, Add	*9.85*	
		For Seal Class A, Add	*21.01*	
		For Work In Restricted Working Space, Add	*19.70*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.17	28.65
		For Seal Class B, Add	*7.16*	
		For Seal Class A, Add	*15.28*	
		For Work In Restricted Working Space, Add	*14.32*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.19	32.23
		For Seal Class B, Add	*8.06*	
		For Seal Class A, Add	*17.19*	
		For Work In Restricted Working Space, Add	*16.11*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.22	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.24	39.39
		For Seal Class B, Add	*9.85*	
		For Seal Class A, Add	*21.01*	
		For Work In Restricted Working Space, Add	*19.70*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.25	42.96
		For Seal Class B, Add	*10.74*	
		For Seal Class A, Add	*22.92*	
		For Work In Restricted Working Space, Add	*21.48*	
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.27	46.55
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.29	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.31	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.22	35.80
		For Seal Class B, Add	*8.95*	
		For Seal Class A, Add	*19.10*	
		For Work In Restricted Working Space, Add	*17.90*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.24	39.39
		For Seal Class B, Add	*9.85*	
		For Seal Class A, Add	*21.01*	
		For Work In Restricted Working Space, Add	*19.70*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.25	42.96
		For Seal Class B, Add	*10.74*	
		For Seal Class A, Add	*22.92*	
		For Work In Restricted Working Space, Add	*21.48*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.27	46.55
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.29	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.31	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.36	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.38	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.41	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.41	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.43	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.25	42.96
		For Seal Class B, Add	*10.74*	
		For Seal Class A, Add	*22.92*	
		For Work In Restricted Working Space, Add	*21.48*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.27	46.55
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.29	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.31	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.36	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.38	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.41	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.41	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.43	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.46	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.48	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.29	50.13
		For Seal Class B, Add	*12.53*	
		For Seal Class A, Add	*26.73*	
		For Work In Restricted Working Space, Add	*25.06*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.31	53.71
		For Seal Class B, Add	*13.43*	
		For Seal Class A, Add	*28.64*	
		For Work In Restricted Working Space, Add	*26.85*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.36	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.38	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.41	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.41	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.43	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.46	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.48	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.53	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.34	57.28
		For Seal Class B, Add	*14.32*	
		For Seal Class A, Add	*30.55*	
		For Work In Restricted Working Space, Add	*28.64*	
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.36	60.87
		For Seal Class B, Add	*15.22*	
		For Seal Class A, Add	*32.46*	
		For Work In Restricted Working Space, Add	*30.44*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.38	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.41	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.41	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.43	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.46	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.48	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.53	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.55	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.58	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.38	64.44
		For Seal Class B, Add	*16.11*	
		For Seal Class A, Add	*34.37*	
		For Work In Restricted Working Space, Add	*32.23*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.41	68.03
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*36.28*	
		For Work In Restricted Working Space, Add	*34.02*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.41	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.43	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.46	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.48	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.53	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.55	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.58	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.41	71.61
		For Seal Class B, Add	*17.90*	
		For Seal Class A, Add	*38.19*	
		For Work In Restricted Working Space, Add	*35.80*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.43	75.20
		For Seal Class B, Add	*18.80*	
		For Seal Class A, Add	*40.10*	
		For Work In Restricted Working Space, Add	*37.59*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.46	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.48	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.53	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.55	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.58	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.46	78.76
		For Seal Class B, Add	*19.69*	
		For Seal Class A, Add	*42.01*	
		For Work In Restricted Working Space, Add	*39.38*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.48	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.53	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.55	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.58	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.51	85.94
		For Seal Class B, Add	*21.48*	
		For Seal Class A, Add	*45.83*	
		For Work In Restricted Working Space, Add	*42.97*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.53	89.51
		For Seal Class B, Add	*22.38*	
		For Seal Class A, Add	*47.74*	
		For Work In Restricted Working Space, Add	*44.76*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.55	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.58	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.55	93.10
		For Seal Class B, Add	*23.27*	
		For Seal Class A, Add	*49.65*	
		For Work In Restricted Working Space, Add	*46.55*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.58	96.68
		For Seal Class B, Add	*24.17*	
		For Seal Class A, Add	*51.56*	
		For Work In Restricted Working Space, Add	*48.34*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.78	132.48
		For Seal Class B, Add	*33.12*	
		For Seal Class A, Add	*70.66*	
		For Work In Restricted Working Space, Add	*66.24*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.58	100.25
		For Seal Class B, Add	*25.06*	
		For Seal Class A, Add	*53.47*	
		For Work In Restricted Working Space, Add	*50.12*	
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.60	103.83
		For Seal Class B, Add	*25.96*	
		For Seal Class A, Add	*55.38*	
		For Work In Restricted Working Space, Add	*51.92*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.78	132.48
		For Seal Class B, Add	*33.12*	
		For Seal Class A, Add	*70.66*	
		For Work In Restricted Working Space, Add	*66.24*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.81	136.06
		For Seal Class B, Add	*34.02*	
		For Seal Class A, Add	*72.57*	
		For Work In Restricted Working Space, Add	*68.03*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.64	107.42
		For Seal Class B, Add	*26.85*	
		For Seal Class A, Add	*57.29*	
		For Work In Restricted Working Space, Add	*53.71*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.65	110.99
		For Seal Class B, Add	*27.75*	
		For Seal Class A, Add	*59.20*	
		For Work In Restricted Working Space, Add	*55.50*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.78	132.48
		For Seal Class B, Add	*33.12*	
		For Seal Class A, Add	*70.66*	
		For Work In Restricted Working Space, Add	*66.24*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.81	136.06
		For Seal Class B, Add	*34.02*	
		For Seal Class A, Add	*72.57*	
		For Work In Restricted Working Space, Add	*68.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.82	139.64
		For Seal Class B, Add	*34.91*	
		For Seal Class A, Add	*74.47*	
		For Work In Restricted Working Space, Add	*69.82*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.67	114.58
		For Seal Class B, Add	*28.64*	
		For Seal Class A, Add	*61.11*	
		For Work In Restricted Working Space, Add	*57.29*	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.70	118.16
		For Seal Class B, Add	*29.54*	
		For Seal Class A, Add	*63.02*	
		For Work In Restricted Working Space, Add	*59.08*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.78	132.48
		For Seal Class B, Add	*33.12*	
		For Seal Class A, Add	*70.66*	
		For Work In Restricted Working Space, Add	*66.24*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.81	136.06
		For Seal Class B, Add	*34.02*	
		For Seal Class A, Add	*72.57*	
		For Work In Restricted Working Space, Add	*68.03*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.82	139.64
		For Seal Class B, Add	*34.91*	
		For Seal Class A, Add	*74.47*	
		For Work In Restricted Working Space, Add	*69.82*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.84	143.22
		For Seal Class B, Add	*35.81*	
		For Seal Class A, Add	*76.38*	
		For Work In Restricted Working Space, Add	*71.61*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	238.72	121.74
		For Seal Class B, Add	*30.44*	
		For Seal Class A, Add	*64.93*	
		For Work In Restricted Working Space, Add	*60.87*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	245.73	125.31
		For Seal Class B, Add	*31.33*	
		For Seal Class A, Add	*66.84*	
		For Work In Restricted Working Space, Add	*62.66*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.78	132.48
		For Seal Class B, Add	*33.12*	
		For Seal Class A, Add	*70.66*	
		For Work In Restricted Working Space, Add	*66.24*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.81	136.06
		For Seal Class B, Add	*34.02*	
		For Seal Class A, Add	*72.57*	
		For Work In Restricted Working Space, Add	*68.03*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.82	139.64
		For Seal Class B, Add	*34.91*	
		For Seal Class A, Add	*74.47*	
		For Work In Restricted Working Space, Add	*69.82*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.84	143.22
		For Seal Class B, Add	*35.81*	
		For Seal Class A, Add	*76.38*	
		For Work In Restricted Working Space, Add	*71.61*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.87	146.79
		For Seal Class B, Add	*36.70*	
		For Seal Class A, Add	*78.29*	
		For Work In Restricted Working Space, Add	*73.40*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.75	128.90
		For Seal Class B, Add	*32.22*	
		For Seal Class A, Add	*68.74*	
		For Work In Restricted Working Space, Add	*64.45*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	259.78	132.48
		For Seal Class B, Add	*33.12*	
		For Seal Class A, Add	*70.66*	
		For Work In Restricted Working Space, Add	*66.24*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.81	136.06
		For Seal Class B, Add	*34.02*	
		For Seal Class A, Add	*72.57*	
		For Work In Restricted Working Space, Add	*68.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.82	139.64
		For Seal Class B, Add	*34.91*	
		For Seal Class A, Add	*74.47*	
		For Work In Restricted Working Space, Add	*69.82*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.84	143.22
		For Seal Class B, Add	*35.81*	
		For Seal Class A, Add	*76.38*	
		For Work In Restricted Working Space, Add	*71.61*	
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.87	146.79
		For Seal Class B, Add	*36.70*	
		For Seal Class A, Add	*78.29*	
		For Work In Restricted Working Space, Add	*73.40*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.88	150.38
		For Seal Class B, Add	*37.59*	
		For Seal Class A, Add	*80.20*	
		For Work In Restricted Working Space, Add	*75.19*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.81	136.06
		For Seal Class B, Add	*34.02*	
		For Seal Class A, Add	*72.57*	
		For Work In Restricted Working Space, Add	*68.03*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.82	139.64
		For Seal Class B, Add	*34.91*	
		For Seal Class A, Add	*74.47*	
		For Work In Restricted Working Space, Add	*69.82*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.84	143.22
		For Seal Class B, Add	*35.81*	
		For Seal Class A, Add	*76.38*	
		For Work In Restricted Working Space, Add	*71.61*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.87	146.79
		For Seal Class B, Add	*36.70*	
		For Seal Class A, Add	*78.29*	
		For Work In Restricted Working Space, Add	*73.40*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.88	150.38
		For Seal Class B, Add	*37.59*	
		For Seal Class A, Add	*80.20*	
		For Work In Restricted Working Space, Add	*75.19*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.91	153.97
		For Seal Class B, Add	*38.49*	
		For Seal Class A, Add	*82.12*	
		For Work In Restricted Working Space, Add	*76.98*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	308.93	157.54
		For Seal Class B, Add	*39.39*	
		For Seal Class A, Add	*84.02*	
		For Work In Restricted Working Space, Add	*78.77*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.84	143.22
		For Seal Class B, Add	*35.81*	
		For Seal Class A, Add	*76.38*	
		For Work In Restricted Working Space, Add	*71.61*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.87	146.79
		For Seal Class B, Add	*36.70*	
		For Seal Class A, Add	*78.29*	
		For Work In Restricted Working Space, Add	*73.40*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.88	150.38
		For Seal Class B, Add	*37.59*	
		For Seal Class A, Add	*80.20*	
		For Work In Restricted Working Space, Add	*75.19*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.91	153.97
		For Seal Class B, Add	*38.49*	
		For Seal Class A, Add	*82.12*	
		For Work In Restricted Working Space, Add	*76.98*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	308.93	157.54
		For Seal Class B, Add	*39.39*	
		For Seal Class A, Add	*84.02*	
		For Work In Restricted Working Space, Add	*78.77*	
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.95	161.13
		For Seal Class B, Add	*40.28*	
		For Seal Class A, Add	*85.93*	
		For Work In Restricted Working Space, Add	*80.56*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.96	164.70
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.84*	
		For Work In Restricted Working Space, Add	*82.35*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.99	168.28
		For Seal Class B, Add	*42.07*	
		For Seal Class A, Add	*89.75*	
		For Work In Restricted Working Space, Add	*84.14*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.88	150.38
		For Seal Class B, Add	*37.59*	
		For Seal Class A, Add	*80.20*	
		For Work In Restricted Working Space, Add	*75.19*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.91	153.97
		For Seal Class B, Add	*38.49*	
		For Seal Class A, Add	*82.12*	
		For Work In Restricted Working Space, Add	*76.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	308.93	157.54
		For Seal Class B, Add	*39.39*	
		For Seal Class A, Add	*84.02*	
		For Work In Restricted Working Space, Add	*78.77*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.95	161.13
		For Seal Class B, Add	*40.28*	
		For Seal Class A, Add	*85.93*	
		For Work In Restricted Working Space, Add	*80.56*	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.96	164.70
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.84*	
		For Work In Restricted Working Space, Add	*82.35*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.99	168.28
		For Seal Class B, Add	*42.07*	
		For Seal Class A, Add	*89.75*	
		For Work In Restricted Working Space, Add	*84.14*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.01	171.86
		For Seal Class B, Add	*42.97*	
		For Seal Class A, Add	*91.66*	
		For Work In Restricted Working Space, Add	*85.93*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	308.93	157.54
		For Seal Class B, Add	*39.39*	
		For Seal Class A, Add	*84.02*	
		For Work In Restricted Working Space, Add	*78.77*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.95	161.13
		For Seal Class B, Add	*40.28*	
		For Seal Class A, Add	*85.93*	
		For Work In Restricted Working Space, Add	*80.56*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.96	164.70
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.84*	
		For Work In Restricted Working Space, Add	*82.35*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.99	168.28
		For Seal Class B, Add	*42.07*	
		For Seal Class A, Add	*89.75*	
		For Work In Restricted Working Space, Add	*84.14*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.01	171.86
		For Seal Class B, Add	*42.97*	
		For Seal Class A, Add	*91.66*	
		For Work In Restricted Working Space, Add	*85.93*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.02	175.45
		For Seal Class B, Add	*43.86*	
		For Seal Class A, Add	*93.57*	
		For Work In Restricted Working Space, Add	*87.72*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.96	164.70
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.84*	
		For Work In Restricted Working Space, Add	*82.35*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.99	168.28
		For Seal Class B, Add	*42.07*	
		For Seal Class A, Add	*89.75*	
		For Work In Restricted Working Space, Add	*84.14*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.01	171.86
		For Seal Class B, Add	*42.97*	
		For Seal Class A, Add	*91.66*	
		For Work In Restricted Working Space, Add	*85.93*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.02	175.45
		For Seal Class B, Add	*43.86*	
		For Seal Class A, Add	*93.57*	
		For Work In Restricted Working Space, Add	*87.72*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.06	179.03
		For Seal Class B, Add	*44.76*	
		For Seal Class A, Add	*95.48*	
		For Work In Restricted Working Space, Add	*89.51*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.01	171.86
		For Seal Class B, Add	*42.97*	
		For Seal Class A, Add	*91.66*	
		For Work In Restricted Working Space, Add	*85.93*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.02	175.45
		For Seal Class B, Add	*43.86*	
		For Seal Class A, Add	*93.57*	
		For Work In Restricted Working Space, Add	*87.72*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.06	179.03
		For Seal Class B, Add	*44.76*	
		For Seal Class A, Add	*95.48*	
		For Work In Restricted Working Space, Add	*89.51*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.08	182.61
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.39*	
		For Work In Restricted Working Space, Add	*91.31*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.06	179.03
		For Seal Class B, Add	*44.76*	
		For Seal Class A, Add	*95.48*	
		For Work In Restricted Working Space, Add	*89.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.08	182.61
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.39*	
		For Work In Restricted Working Space, Add	*91.31*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.10	186.18
		For Seal Class B, Add	*46.55*	
		For Seal Class A, Add	*99.30*	
		For Work In Restricted Working Space, Add	*93.09*	
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.10	186.18
		For Seal Class B, Add	*46.55*	
		For Seal Class A, Add	*99.30*	
		For Work In Restricted Working Space, Add	*93.09*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.11	189.77
		For Seal Class B, Add	*47.44*	
		For Seal Class A, Add	*101.21*	
		For Work In Restricted Working Space, Add	*94.88*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.13	193.34
		For Seal Class B, Add	*48.34*	
		For Seal Class A, Add	*103.12*	
		For Work In Restricted Working Space, Add	*96.67*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.07	16.87
		For Seal Class B, Add	*4.22*	
		For Seal Class A, Add	*9.00*	
		For Work In Restricted Working Space, Add	*8.44*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.35	21.08
		For Seal Class B, Add	*5.27*	
		For Seal Class A, Add	*11.25*	
		For Work In Restricted Working Space, Add	*10.55*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.62	25.30
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.49*	
		For Work In Restricted Working Space, Add	*12.65*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.88	29.51
		For Seal Class B, Add	*7.38*	
		For Seal Class A, Add	*15.74*	
		For Work In Restricted Working Space, Add	*14.76*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.16	33.74
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.99*	
		For Work In Restricted Working Space, Add	*16.87*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	37.95
		For Seal Class B, Add	*9.49*	
		For Seal Class A, Add	*20.24*	
		For Work In Restricted Working Space, Add	*18.98*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.69	42.17
		For Seal Class B, Add	*10.54*	
		For Seal Class A, Add	*22.49*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.62	25.30
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.49*	
		For Work In Restricted Working Space, Add	*12.65*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.88	29.51
		For Seal Class B, Add	*7.38*	
		For Seal Class A, Add	*15.74*	
		For Work In Restricted Working Space, Add	*14.76*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.16	33.74
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.99*	
		For Work In Restricted Working Space, Add	*16.87*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	37.95
		For Seal Class B, Add	*9.49*	
		For Seal Class A, Add	*20.24*	
		For Work In Restricted Working Space, Add	*18.98*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.69	42.17
		For Seal Class B, Add	*10.54*	
		For Seal Class A, Add	*22.49*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.97	46.39
		For Seal Class B, Add	*11.60*	
		For Seal Class A, Add	*24.74*	
		For Work In Restricted Working Space, Add	*23.20*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.16	33.74
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.99*	
		For Work In Restricted Working Space, Add	*16.87*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	37.95
		For Seal Class B, Add	*9.49*	
		For Seal Class A, Add	*20.24*	
		For Work In Restricted Working Space, Add	*18.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.69	42.17
		For Seal Class B, Add	*10.54*	
		For Seal Class A, Add	*22.49*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.97	46.39
		For Seal Class B, Add	*11.60*	
		For Seal Class A, Add	*24.74*	
		For Work In Restricted Working Space, Add	*23.20*	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.23	50.61
		For Seal Class B, Add	*12.65*	
		For Seal Class A, Add	*26.99*	
		For Work In Restricted Working Space, Add	*25.31*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.50	54.81
		For Seal Class B, Add	*13.71*	
		For Seal Class A, Add	*29.24*	
		For Work In Restricted Working Space, Add	*27.41*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.78	59.04
		For Seal Class B, Add	*14.76*	
		For Seal Class A, Add	*31.49*	
		For Work In Restricted Working Space, Add	*29.52*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.03	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.31	67.47
		For Seal Class B, Add	*16.87*	
		For Seal Class A, Add	*35.98*	
		For Work In Restricted Working Space, Add	*33.74*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.69	42.17
		For Seal Class B, Add	*10.54*	
		For Seal Class A, Add	*22.49*	
		For Work In Restricted Working Space, Add	*21.09*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.97	46.39
		For Seal Class B, Add	*11.60*	
		For Seal Class A, Add	*24.74*	
		For Work In Restricted Working Space, Add	*23.20*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.23	50.61
		For Seal Class B, Add	*12.65*	
		For Seal Class A, Add	*26.99*	
		For Work In Restricted Working Space, Add	*25.31*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.50	54.81
		For Seal Class B, Add	*13.71*	
		For Seal Class A, Add	*29.24*	
		For Work In Restricted Working Space, Add	*27.41*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.78	59.04
		For Seal Class B, Add	*14.76*	
		For Seal Class A, Add	*31.49*	
		For Work In Restricted Working Space, Add	*29.52*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.03	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.31	67.47
		For Seal Class B, Add	*16.87*	
		For Seal Class A, Add	*35.98*	
		For Work In Restricted Working Space, Add	*33.74*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.60	71.69
		For Seal Class B, Add	*17.92*	
		For Seal Class A, Add	*38.24*	
		For Work In Restricted Working Space, Add	*35.85*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.13	80.12
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*42.74*	
		For Work In Restricted Working Space, Add	*40.07*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.38	84.35
		For Seal Class B, Add	*21.09*	
		For Seal Class A, Add	*44.98*	
		For Work In Restricted Working Space, Add	*42.17*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.66	88.56
		For Seal Class B, Add	*22.14*	
		For Seal Class A, Add	*47.23*	
		For Work In Restricted Working Space, Add	*44.28*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.23	50.61
		For Seal Class B, Add	*12.65*	
		For Seal Class A, Add	*26.99*	
		For Work In Restricted Working Space, Add	*25.31*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.50	54.81
		For Seal Class B, Add	*13.71*	
		For Seal Class A, Add	*29.24*	
		For Work In Restricted Working Space, Add	*27.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.78	59.04
		For Seal Class B, Add	*14.76*	
		For Seal Class A, Add	*31.49*	
		For Work In Restricted Working Space, Add	*29.52*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.03	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.31	67.47
		For Seal Class B, Add	*16.87*	
		For Seal Class A, Add	*35.98*	
		For Work In Restricted Working Space, Add	*33.74*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.60	71.69
		For Seal Class B, Add	*17.92*	
		For Seal Class A, Add	*38.24*	
		For Work In Restricted Working Space, Add	*35.85*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.13	80.12
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*42.74*	
		For Work In Restricted Working Space, Add	*40.07*	
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.38	84.35
		For Seal Class B, Add	*21.09*	
		For Seal Class A, Add	*44.98*	
		For Work In Restricted Working Space, Add	*42.17*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.66	88.56
		For Seal Class B, Add	*22.14*	
		For Seal Class A, Add	*47.23*	
		For Work In Restricted Working Space, Add	*44.28*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.93	92.77
		For Seal Class B, Add	*23.19*	
		For Seal Class A, Add	*49.48*	
		For Work In Restricted Working Space, Add	*46.39*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.19	96.99
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.78	59.04
		For Seal Class B, Add	*14.76*	
		For Seal Class A, Add	*31.49*	
		For Work In Restricted Working Space, Add	*29.52*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.03	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.31	67.47
		For Seal Class B, Add	*16.87*	
		For Seal Class A, Add	*35.98*	
		For Work In Restricted Working Space, Add	*33.74*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.60	71.69
		For Seal Class B, Add	*17.92*	
		For Seal Class A, Add	*38.24*	
		For Work In Restricted Working Space, Add	*35.85*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.13	80.12
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*42.74*	
		For Work In Restricted Working Space, Add	*40.07*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.38	84.35
		For Seal Class B, Add	*21.09*	
		For Seal Class A, Add	*44.98*	
		For Work In Restricted Working Space, Add	*42.17*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.66	88.56
		For Seal Class B, Add	*22.14*	
		For Seal Class A, Add	*47.23*	
		For Work In Restricted Working Space, Add	*44.28*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.93	92.77
		For Seal Class B, Add	*23.19*	
		For Seal Class A, Add	*49.48*	
		For Work In Restricted Working Space, Add	*46.39*	
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.19	96.99
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.73	105.42
		For Seal Class B, Add	*26.36*	
		For Seal Class A, Add	*56.23*	
		For Work In Restricted Working Space, Add	*52.72*	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.31	67.47
		For Seal Class B, Add	*16.87*	
		For Seal Class A, Add	*35.98*	
		For Work In Restricted Working Space, Add	*33.74*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.60	71.69
		For Seal Class B, Add	*17.92*	
		For Seal Class A, Add	*38.24*	
		For Work In Restricted Working Space, Add	*35.85*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.13	80.12
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*42.74*	
		For Work In Restricted Working Space, Add	*40.07*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.38	84.35
		For Seal Class B, Add	*21.09*	
		For Seal Class A, Add	*44.98*	
		For Work In Restricted Working Space, Add	*42.17*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.66	88.56
		For Seal Class B, Add	*22.14*	
		For Seal Class A, Add	*47.23*	
		For Work In Restricted Working Space, Add	*44.28*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.93	92.77
		For Seal Class B, Add	*23.19*	
		For Seal Class A, Add	*49.48*	
		For Work In Restricted Working Space, Add	*46.39*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.19	96.99
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.73	105.42
		For Seal Class B, Add	*26.36*	
		For Seal Class A, Add	*56.23*	
		For Work In Restricted Working Space, Add	*52.72*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.01	109.65
		For Seal Class B, Add	*27.41*	
		For Seal Class A, Add	*58.48*	
		For Work In Restricted Working Space, Add	*54.83*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.28	113.86
		For Seal Class B, Add	*28.47*	
		For Seal Class A, Add	*60.73*	
		For Work In Restricted Working Space, Add	*56.93*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.13	80.12
		For Seal Class B, Add	*20.03*	
		For Seal Class A, Add	*42.74*	
		For Work In Restricted Working Space, Add	*40.07*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.38	84.35
		For Seal Class B, Add	*21.09*	
		For Seal Class A, Add	*44.98*	
		For Work In Restricted Working Space, Add	*42.17*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.66	88.56
		For Seal Class B, Add	*22.14*	
		For Seal Class A, Add	*47.23*	
		For Work In Restricted Working Space, Add	*44.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.93	92.77
		For Seal Class B, Add	*23.19*	
		For Seal Class A, Add	*49.48*	
		For Work In Restricted Working Space, Add	*46.39*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.19	96.99
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.73	105.42
		For Seal Class B, Add	*26.36*	
		For Seal Class A, Add	*56.23*	
		For Work In Restricted Working Space, Add	*52.72*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.01	109.65
		For Seal Class B, Add	*27.41*	
		For Seal Class A, Add	*58.48*	
		For Work In Restricted Working Space, Add	*54.83*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.28	113.86
		For Seal Class B, Add	*28.47*	
		For Seal Class A, Add	*60.73*	
		For Work In Restricted Working Space, Add	*56.93*	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.38	84.35
		For Seal Class B, Add	*21.09*	
		For Seal Class A, Add	*44.98*	
		For Work In Restricted Working Space, Add	*42.17*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.66	88.56
		For Seal Class B, Add	*22.14*	
		For Seal Class A, Add	*47.23*	
		For Work In Restricted Working Space, Add	*44.28*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.93	92.77
		For Seal Class B, Add	*23.19*	
		For Seal Class A, Add	*49.48*	
		For Work In Restricted Working Space, Add	*46.39*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.19	96.99
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.73	105.42
		For Seal Class B, Add	*26.36*	
		For Seal Class A, Add	*56.23*	
		For Work In Restricted Working Space, Add	*52.72*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.01	109.65
		For Seal Class B, Add	*27.41*	
		For Seal Class A, Add	*58.48*	
		For Work In Restricted Working Space, Add	*54.83*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.28	113.86
		For Seal Class B, Add	*28.47*	
		For Seal Class A, Add	*60.73*	
		For Work In Restricted Working Space, Add	*56.93*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	181.93	92.77
		For Seal Class B, Add	*23.19*	
		For Seal Class A, Add	*49.48*	
		For Work In Restricted Working Space, Add	*46.39*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.19	96.99
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.73	105.42
		For Seal Class B, Add	*26.36*	
		For Seal Class A, Add	*56.23*	
		For Work In Restricted Working Space, Add	*52.72*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.01	109.65
		For Seal Class B, Add	*27.41*	
		For Seal Class A, Add	*58.48*	
		For Work In Restricted Working Space, Add	*54.83*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.28	113.86
		For Seal Class B, Add	*28.47*	
		For Seal Class A, Add	*60.73*	
		For Work In Restricted Working Space, Add	*56.93*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.48	101.21
		For Seal Class B, Add	*25.30*	
		For Seal Class A, Add	*53.98*	
		For Work In Restricted Working Space, Add	*50.61*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.73	105.42
		For Seal Class B, Add	*26.36*	
		For Seal Class A, Add	*56.23*	
		For Work In Restricted Working Space, Add	*52.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.01	109.65
		For Seal Class B, Add	*27.41*	
		For Seal Class A, Add	*58.48*	
		For Work In Restricted Working Space, Add	*54.83*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.28	113.86
		For Seal Class B, Add	*28.47*	
		For Seal Class A, Add	*60.73*	
		For Work In Restricted Working Space, Add	*56.93*	
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.01	109.65
		For Seal Class B, Add	*27.41*	
		For Seal Class A, Add	*58.48*	
		For Work In Restricted Working Space, Add	*54.83*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.28	113.86
		For Seal Class B, Add	*28.47*	
		For Seal Class A, Add	*60.73*	
		For Work In Restricted Working Space, Add	*56.93*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.98	156.04
		For Seal Class B, Add	*39.01*	
		For Seal Class A, Add	*83.22*	
		For Work In Restricted Working Space, Add	*78.02*	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	118.08
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.98*	
		For Work In Restricted Working Space, Add	*59.04*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.81	122.30
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*65.22*	
		For Work In Restricted Working Space, Add	*61.15*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.98	156.04
		For Seal Class B, Add	*39.01*	
		For Seal Class A, Add	*83.22*	
		For Work In Restricted Working Space, Add	*78.02*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.22	160.26
		For Seal Class B, Add	*40.06*	
		For Seal Class A, Add	*85.47*	
		For Work In Restricted Working Space, Add	*80.12*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.10	126.52
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.48*	
		For Work In Restricted Working Space, Add	*63.26*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	256.34	130.72
		For Seal Class B, Add	*32.68*	
		For Seal Class A, Add	*69.72*	
		For Work In Restricted Working Space, Add	*65.36*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.98	156.04
		For Seal Class B, Add	*39.01*	
		For Seal Class A, Add	*83.22*	
		For Work In Restricted Working Space, Add	*78.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.22	160.26
		For Seal Class B, Add	*40.06*	
		For Seal Class A, Add	*85.47*	
		For Work In Restricted Working Space, Add	*80.12*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.50	164.46
		For Seal Class B, Add	*41.12*	
		For Seal Class A, Add	*87.72*	
		For Work In Restricted Working Space, Add	*82.23*	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.63	134.95
		For Seal Class B, Add	*33.74*	
		For Seal Class A, Add	*71.97*	
		For Work In Restricted Working Space, Add	*67.48*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.89	139.16
		For Seal Class B, Add	*34.79*	
		For Seal Class A, Add	*74.22*	
		For Work In Restricted Working Space, Add	*69.59*	
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.98	156.04
		For Seal Class B, Add	*39.01*	
		For Seal Class A, Add	*83.22*	
		For Work In Restricted Working Space, Add	*78.02*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.22	160.26
		For Seal Class B, Add	*40.06*	
		For Seal Class A, Add	*85.47*	
		For Work In Restricted Working Space, Add	*80.12*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.50	164.46
		For Seal Class B, Add	*41.12*	
		For Seal Class A, Add	*87.72*	
		For Work In Restricted Working Space, Add	*82.23*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.79	168.69
		For Seal Class B, Add	*42.17*	
		For Seal Class A, Add	*89.97*	
		For Work In Restricted Working Space, Add	*84.35*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.16	143.39
		For Seal Class B, Add	*35.85*	
		For Seal Class A, Add	*76.47*	
		For Work In Restricted Working Space, Add	*71.69*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	289.44	147.60
		For Seal Class B, Add	*36.90*	
		For Seal Class A, Add	*78.72*	
		For Work In Restricted Working Space, Add	*73.80*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.98	156.04
		For Seal Class B, Add	*39.01*	
		For Seal Class A, Add	*83.22*	
		For Work In Restricted Working Space, Add	*78.02*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.22	160.26
		For Seal Class B, Add	*40.06*	
		For Seal Class A, Add	*85.47*	
		For Work In Restricted Working Space, Add	*80.12*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.50	164.46
		For Seal Class B, Add	*41.12*	
		For Seal Class A, Add	*87.72*	
		For Work In Restricted Working Space, Add	*82.23*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.79	168.69
		For Seal Class B, Add	*42.17*	
		For Seal Class A, Add	*89.97*	
		For Work In Restricted Working Space, Add	*84.35*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.04	172.90
		For Seal Class B, Add	*43.23*	
		For Seal Class A, Add	*92.21*	
		For Work In Restricted Working Space, Add	*86.45*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.69	151.82
		For Seal Class B, Add	*37.95*	
		For Seal Class A, Add	*80.97*	
		For Work In Restricted Working Space, Add	*75.91*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.98	156.04
		For Seal Class B, Add	*39.01*	
		For Seal Class A, Add	*83.22*	
		For Work In Restricted Working Space, Add	*78.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.22	160.26
		For Seal Class B, Add	*40.06*	
		For Seal Class A, Add	*85.47*	
		For Work In Restricted Working Space, Add	*80.12*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.50	164.46
		For Seal Class B, Add	*41.12*	
		For Seal Class A, Add	*87.72*	
		For Work In Restricted Working Space, Add	*82.23*	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.79	168.69
		For Seal Class B, Add	*42.17*	
		For Seal Class A, Add	*89.97*	
		For Work In Restricted Working Space, Add	*84.35*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.04	172.90
		For Seal Class B, Add	*43.23*	
		For Seal Class A, Add	*92.21*	
		For Work In Restricted Working Space, Add	*86.45*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.32	177.12
		For Seal Class B, Add	*44.28*	
		For Seal Class A, Add	*94.46*	
		For Work In Restricted Working Space, Add	*88.56*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.22	160.26
		For Seal Class B, Add	*40.06*	
		For Seal Class A, Add	*85.47*	
		For Work In Restricted Working Space, Add	*80.12*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.50	164.46
		For Seal Class B, Add	*41.12*	
		For Seal Class A, Add	*87.72*	
		For Work In Restricted Working Space, Add	*82.23*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.79	168.69
		For Seal Class B, Add	*42.17*	
		For Seal Class A, Add	*89.97*	
		For Work In Restricted Working Space, Add	*84.35*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.04	172.90
		For Seal Class B, Add	*43.23*	
		For Seal Class A, Add	*92.21*	
		For Work In Restricted Working Space, Add	*86.45*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.32	177.12
		For Seal Class B, Add	*44.28*	
		For Seal Class A, Add	*94.46*	
		For Work In Restricted Working Space, Add	*88.56*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.60	181.34
		For Seal Class B, Add	*45.33*	
		For Seal Class A, Add	*96.71*	
		For Work In Restricted Working Space, Add	*90.67*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.85	185.56
		For Seal Class B, Add	*46.39*	
		For Seal Class A, Add	*98.96*	
		For Work In Restricted Working Space, Add	*92.78*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.79	168.69
		For Seal Class B, Add	*42.17*	
		For Seal Class A, Add	*89.97*	
		For Work In Restricted Working Space, Add	*84.35*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.04	172.90
		For Seal Class B, Add	*43.23*	
		For Seal Class A, Add	*92.21*	
		For Work In Restricted Working Space, Add	*86.45*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.32	177.12
		For Seal Class B, Add	*44.28*	
		For Seal Class A, Add	*94.46*	
		For Work In Restricted Working Space, Add	*88.56*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.60	181.34
		For Seal Class B, Add	*45.33*	
		For Seal Class A, Add	*96.71*	
		For Work In Restricted Working Space, Add	*90.67*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.85	185.56
		For Seal Class B, Add	*46.39*	
		For Seal Class A, Add	*98.96*	
		For Work In Restricted Working Space, Add	*92.78*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.12	189.77
		For Seal Class B, Add	*47.44*	
		For Seal Class A, Add	*101.21*	
		For Work In Restricted Working Space, Add	*94.88*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.38	194.00
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	388.66	198.21
		For Seal Class B, Add	*49.55*	
		For Seal Class A, Add	*105.71*	
		For Work In Restricted Working Space, Add	*99.10*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.94	202.42
		For Seal Class B, Add	*50.61*	
		For Seal Class A, Add	*107.96*	
		For Work In Restricted Working Space, Add	*101.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.32	177.12
		For Seal Class B, Add	*44.28*	
		For Seal Class A, Add	*94.46*	
		For Work In Restricted Working Space, Add	*88.56*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.60	181.34
		For Seal Class B, Add	*45.33*	
		For Seal Class A, Add	*96.71*	
		For Work In Restricted Working Space, Add	*90.67*	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.85	185.56
		For Seal Class B, Add	*46.39*	
		For Seal Class A, Add	*98.96*	
		For Work In Restricted Working Space, Add	*92.78*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.12	189.77
		For Seal Class B, Add	*47.44*	
		For Seal Class A, Add	*101.21*	
		For Work In Restricted Working Space, Add	*94.88*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.38	194.00
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	388.66	198.21
		For Seal Class B, Add	*49.55*	
		For Seal Class A, Add	*105.71*	
		For Work In Restricted Working Space, Add	*99.10*	
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.94	202.42
		For Seal Class B, Add	*50.61*	
		For Seal Class A, Add	*107.96*	
		For Work In Restricted Working Space, Add	*101.21*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.20	206.64
		For Seal Class B, Add	*51.66*	
		For Seal Class A, Add	*110.21*	
		For Work In Restricted Working Space, Add	*103.32*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.85	185.56
		For Seal Class B, Add	*46.39*	
		For Seal Class A, Add	*98.96*	
		For Work In Restricted Working Space, Add	*92.78*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.12	189.77
		For Seal Class B, Add	*47.44*	
		For Seal Class A, Add	*101.21*	
		For Work In Restricted Working Space, Add	*94.88*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.38	194.00
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	388.66	198.21
		For Seal Class B, Add	*49.55*	
		For Seal Class A, Add	*105.71*	
		For Work In Restricted Working Space, Add	*99.10*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.94	202.42
		For Seal Class B, Add	*50.61*	
		For Seal Class A, Add	*107.96*	
		For Work In Restricted Working Space, Add	*101.21*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.20	206.64
		For Seal Class B, Add	*51.66*	
		For Seal Class A, Add	*110.21*	
		For Work In Restricted Working Space, Add	*103.32*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.48	210.86
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.46*	
		For Work In Restricted Working Space, Add	*105.43*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.38	194.00
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	388.66	198.21
		For Seal Class B, Add	*49.55*	
		For Seal Class A, Add	*105.71*	
		For Work In Restricted Working Space, Add	*99.10*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.94	202.42
		For Seal Class B, Add	*50.61*	
		For Seal Class A, Add	*107.96*	
		For Work In Restricted Working Space, Add	*101.21*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.20	206.64
		For Seal Class B, Add	*51.66*	
		For Seal Class A, Add	*110.21*	
		For Work In Restricted Working Space, Add	*103.32*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.48	210.86
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.46*	
		For Work In Restricted Working Space, Add	*105.43*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.78	219.30
		For Seal Class B, Add	*54.82*	
		For Seal Class A, Add	*116.95*	
		For Work In Restricted Working Space, Add	*109.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	437.03	223.51
		For Seal Class B, Add	*55.88*	
		For Seal Class A, Add	*119.20*	
		For Work In Restricted Working Space, Add	*111.75*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.94	202.42
		For Seal Class B, Add	*50.61*	
		For Seal Class A, Add	*107.96*	
		For Work In Restricted Working Space, Add	*101.21*	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.20	206.64
		For Seal Class B, Add	*51.66*	
		For Seal Class A, Add	*110.21*	
		For Work In Restricted Working Space, Add	*103.32*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.48	210.86
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.46*	
		For Work In Restricted Working Space, Add	*105.43*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.76	215.07
		For Seal Class B, Add	*53.77*	
		For Seal Class A, Add	*114.71*	
		For Work In Restricted Working Space, Add	*107.54*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.00	219.30
		For Seal Class B, Add	*54.82*	
		For Seal Class A, Add	*116.95*	
		For Work In Restricted Working Space, Add	*109.64*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.28	223.51
		For Seal Class B, Add	*55.88*	
		For Seal Class A, Add	*119.20*	
		For Work In Restricted Working Space, Add	*111.75*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.54	227.73
		For Seal Class B, Add	*56.93*	
		For Seal Class A, Add	*121.45*	
		For Work In Restricted Working Space, Add	*113.86*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.48	210.86
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.46*	
		For Work In Restricted Working Space, Add	*105.43*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.76	215.07
		For Seal Class B, Add	*53.77*	
		For Seal Class A, Add	*114.71*	
		For Work In Restricted Working Space, Add	*107.54*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.00	219.30
		For Seal Class B, Add	*54.82*	
		For Seal Class A, Add	*116.95*	
		For Work In Restricted Working Space, Add	*109.64*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.28	223.51
		For Seal Class B, Add	*55.88*	
		For Seal Class A, Add	*119.20*	
		For Work In Restricted Working Space, Add	*111.75*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.54	227.73
		For Seal Class B, Add	*56.93*	
		For Seal Class A, Add	*121.45*	
		For Work In Restricted Working Space, Add	*113.86*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.82	231.95
		For Seal Class B, Add	*57.99*	
		For Seal Class A, Add	*123.70*	
		For Work In Restricted Working Space, Add	*115.97*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.00	219.30
		For Seal Class B, Add	*54.82*	
		For Seal Class A, Add	*116.95*	
		For Work In Restricted Working Space, Add	*109.64*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.28	223.51
		For Seal Class B, Add	*55.88*	
		For Seal Class A, Add	*119.20*	
		For Work In Restricted Working Space, Add	*111.75*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.54	227.73
		For Seal Class B, Add	*56.93*	
		For Seal Class A, Add	*121.45*	
		For Work In Restricted Working Space, Add	*113.86*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.82	231.95
		For Seal Class B, Add	*57.99*	
		For Seal Class A, Add	*123.70*	
		For Work In Restricted Working Space, Add	*115.97*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.11	236.17
		For Seal Class B, Add	*59.04*	
		For Seal Class A, Add	*125.96*	
		For Work In Restricted Working Space, Add	*118.08*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.54	227.73
		For Seal Class B, Add	*56.93*	
		For Seal Class A, Add	*121.45*	
		For Work In Restricted Working Space, Add	*113.86*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.82	231.95
		For Seal Class B, Add	*57.99*	
		For Seal Class A, Add	*123.70*	
		For Work In Restricted Working Space, Add	*115.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.11	236.17
		For Seal Class B, Add	*59.04*	
		For Seal Class A, Add	*125.96*	
		For Work In Restricted Working Space, Add	*118.08*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.36	240.37
		For Seal Class B, Add	*60.09*	
		For Seal Class A, Add	*128.20*	
		For Work In Restricted Working Space, Add	*120.19*	
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.64	244.59
		For Seal Class B, Add	*61.15*	
		For Seal Class A, Add	*130.45*	
		For Work In Restricted Working Space, Add	*122.30*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	487.88	248.81
		For Seal Class B, Add	*62.20*	
		For Seal Class A, Add	*132.70*	
		For Work In Restricted Working Space, Add	*124.40*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.11	236.17
		For Seal Class B, Add	*59.04*	
		For Seal Class A, Add	*125.96*	
		For Work In Restricted Working Space, Add	*118.08*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.36	240.37
		For Seal Class B, Add	*60.09*	
		For Seal Class A, Add	*128.20*	
		For Work In Restricted Working Space, Add	*120.19*	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.64	244.59
		For Seal Class B, Add	*61.15*	
		For Seal Class A, Add	*130.45*	
		For Work In Restricted Working Space, Add	*122.30*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	487.88	248.81
		For Seal Class B, Add	*62.20*	
		For Seal Class A, Add	*132.70*	
		For Work In Restricted Working Space, Add	*124.40*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.16	253.02
		For Seal Class B, Add	*63.26*	
		For Seal Class A, Add	*134.95*	
		For Work In Restricted Working Space, Add	*126.51*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.64	244.59
		For Seal Class B, Add	*61.15*	
		For Seal Class A, Add	*130.45*	
		For Work In Restricted Working Space, Add	*122.30*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	487.88	248.81
		For Seal Class B, Add	*62.20*	
		For Seal Class A, Add	*132.70*	
		For Work In Restricted Working Space, Add	*124.40*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.16	253.02
		For Seal Class B, Add	*63.26*	
		For Seal Class A, Add	*134.95*	
		For Work In Restricted Working Space, Add	*126.51*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.44	257.25
		For Seal Class B, Add	*64.31*	
		For Seal Class A, Add	*137.20*	
		For Work In Restricted Working Space, Add	*128.62*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	512.70	261.46
		For Seal Class B, Add	*65.37*	
		For Seal Class A, Add	*139.45*	
		For Work In Restricted Working Space, Add	*130.73*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	496.16	253.02
		For Seal Class B, Add	*63.26*	
		For Seal Class A, Add	*134.95*	
		For Work In Restricted Working Space, Add	*126.51*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.44	257.25
		For Seal Class B, Add	*64.31*	
		For Seal Class A, Add	*137.20*	
		For Work In Restricted Working Space, Add	*128.62*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	512.70	261.46
		For Seal Class B, Add	*65.37*	
		For Seal Class A, Add	*139.45*	
		For Work In Restricted Working Space, Add	*130.73*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.99	265.68
		For Seal Class B, Add	*66.42*	
		For Seal Class A, Add	*141.70*	
		For Work In Restricted Working Space, Add	*132.84*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	529.26	269.90
		For Seal Class B, Add	*67.47*	
		For Seal Class A, Add	*143.95*	
		For Work In Restricted Working Space, Add	*134.95*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	512.70	261.46
		For Seal Class B, Add	*65.37*	
		For Seal Class A, Add	*139.45*	
		For Work In Restricted Working Space, Add	*130.73*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.99	265.68
		For Seal Class B, Add	*66.42*	
		For Seal Class A, Add	*141.70*	
		For Work In Restricted Working Space, Add	*132.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	529.26	269.90
		For Seal Class B, Add	*67.47*	
		For Seal Class A, Add	*143.95*	
		For Work In Restricted Working Space, Add	*134.95*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.51	274.11
		For Seal Class B, Add	*68.53*	
		For Seal Class A, Add	*146.20*	
		For Work In Restricted Working Space, Add	*137.06*	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	545.78	278.32
		For Seal Class B, Add	*69.58*	
		For Seal Class A, Add	*148.44*	
		For Work In Restricted Working Space, Add	*139.16*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	529.26	269.90
		For Seal Class B, Add	*67.47*	
		For Seal Class A, Add	*143.95*	
		For Work In Restricted Working Space, Add	*134.95*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.51	274.11
		For Seal Class B, Add	*68.53*	
		For Seal Class A, Add	*146.20*	
		For Work In Restricted Working Space, Add	*137.06*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	545.78	278.32
		For Seal Class B, Add	*69.58*	
		For Seal Class A, Add	*148.44*	
		For Work In Restricted Working Space, Add	*139.16*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	554.04	282.55
		For Seal Class B, Add	*70.64*	
		For Seal Class A, Add	*150.69*	
		For Work In Restricted Working Space, Add	*141.27*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	545.78	278.32
		For Seal Class B, Add	*69.58*	
		For Seal Class A, Add	*148.44*	
		For Work In Restricted Working Space, Add	*139.16*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	554.04	282.55
		For Seal Class B, Add	*70.64*	
		For Seal Class A, Add	*150.69*	
		For Work In Restricted Working Space, Add	*141.27*	
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.32	286.76
		For Seal Class B, Add	*71.69*	
		For Seal Class A, Add	*152.94*	
		For Work In Restricted Working Space, Add	*143.38*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.60	290.98
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.19*	
		For Work In Restricted Working Space, Add	*145.49*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.32	286.76
		For Seal Class B, Add	*71.69*	
		For Seal Class A, Add	*152.94*	
		For Work In Restricted Working Space, Add	*143.38*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.60	290.98
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.19*	
		For Work In Restricted Working Space, Add	*145.49*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	578.86	295.20
		For Seal Class B, Add	*73.80*	
		For Seal Class A, Add	*157.44*	
		For Work In Restricted Working Space, Add	*147.60*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	587.14	299.42
		For Seal Class B, Add	*74.85*	
		For Seal Class A, Add	*159.69*	
		For Work In Restricted Working Space, Add	*149.71*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	578.86	295.20
		For Seal Class B, Add	*73.80*	
		For Seal Class A, Add	*157.44*	
		For Work In Restricted Working Space, Add	*147.60*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	587.14	299.42
		For Seal Class B, Add	*74.85*	
		For Seal Class A, Add	*159.69*	
		For Work In Restricted Working Space, Add	*149.71*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	595.42	303.63
		For Seal Class B, Add	*75.91*	
		For Seal Class A, Add	*161.94*	
		For Work In Restricted Working Space, Add	*151.82*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.66	307.86
		For Seal Class B, Add	*76.96*	
		For Seal Class A, Add	*164.19*	
		For Work In Restricted Working Space, Add	*153.92*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	611.94	312.06
		For Seal Class B, Add	*78.02*	
		For Seal Class A, Add	*166.44*	
		For Work In Restricted Working Space, Add	*156.03*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	620.19	316.28
		For Seal Class B, Add	*79.07*	
		For Seal Class A, Add	*168.68*	
		For Work In Restricted Working Space, Add	*158.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	628.49	320.50
		For Seal Class B, Add	*80.13*	
		For Seal Class A, Add	*170.94*	
		For Work In Restricted Working Space, Add	*160.25*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.76	324.72
		For Seal Class B, Add	*81.18*	
		For Seal Class A, Add	*173.18*	
		For Work In Restricted Working Space, Add	*162.36*	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	595.42	303.63
		For Seal Class B, Add	*75.91*	
		For Seal Class A, Add	*161.94*	
		For Work In Restricted Working Space, Add	*151.82*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.66	307.86
		For Seal Class B, Add	*76.96*	
		For Seal Class A, Add	*164.19*	
		For Work In Restricted Working Space, Add	*153.92*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	611.94	312.06
		For Seal Class B, Add	*78.02*	
		For Seal Class A, Add	*166.44*	
		For Work In Restricted Working Space, Add	*156.03*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	620.19	316.28
		For Seal Class B, Add	*79.07*	
		For Seal Class A, Add	*168.68*	
		For Work In Restricted Working Space, Add	*158.14*	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	628.49	320.50
		For Seal Class B, Add	*80.13*	
		For Seal Class A, Add	*170.94*	
		For Work In Restricted Working Space, Add	*160.25*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.76	324.72
		For Seal Class B, Add	*81.18*	
		For Seal Class A, Add	*173.18*	
		For Work In Restricted Working Space, Add	*162.36*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.01	328.93
		For Seal Class B, Add	*82.23*	
		For Seal Class A, Add	*175.43*	
		For Work In Restricted Working Space, Add	*164.47*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	611.94	312.06
		For Seal Class B, Add	*78.02*	
		For Seal Class A, Add	*166.44*	
		For Work In Restricted Working Space, Add	*156.03*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	620.19	316.28
		For Seal Class B, Add	*79.07*	
		For Seal Class A, Add	*168.68*	
		For Work In Restricted Working Space, Add	*158.14*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	628.49	320.50
		For Seal Class B, Add	*80.13*	
		For Seal Class A, Add	*170.94*	
		For Work In Restricted Working Space, Add	*160.25*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.76	324.72
		For Seal Class B, Add	*81.18*	
		For Seal Class A, Add	*173.18*	
		For Work In Restricted Working Space, Add	*162.36*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.01	328.93
		For Seal Class B, Add	*82.23*	
		For Seal Class A, Add	*175.43*	
		For Work In Restricted Working Space, Add	*164.47*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.30	333.16
		For Seal Class B, Add	*83.29*	
		For Seal Class A, Add	*177.68*	
		For Work In Restricted Working Space, Add	*166.58*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	628.49	320.50
		For Seal Class B, Add	*80.13*	
		For Seal Class A, Add	*170.94*	
		For Work In Restricted Working Space, Add	*160.25*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.76	324.72
		For Seal Class B, Add	*81.18*	
		For Seal Class A, Add	*173.18*	
		For Work In Restricted Working Space, Add	*162.36*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.01	328.93
		For Seal Class B, Add	*82.23*	
		For Seal Class A, Add	*175.43*	
		For Work In Restricted Working Space, Add	*164.47*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.30	333.16
		For Seal Class B, Add	*83.29*	
		For Seal Class A, Add	*177.68*	
		For Work In Restricted Working Space, Add	*166.58*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	661.54	337.37
		For Seal Class B, Add	*84.34*	
		For Seal Class A, Add	*179.93*	
		For Work In Restricted Working Space, Add	*168.68*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.01	328.93
		For Seal Class B, Add	*82.23*	
		For Seal Class A, Add	*175.43*	
		For Work In Restricted Working Space, Add	*164.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.30	333.16
		For Seal Class B, Add	*83.29*	
		For Seal Class A, Add	*177.68*	
		For Work In Restricted Working Space, Add	*166.58*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	661.54	337.37
		For Seal Class B, Add	*84.34*	
		For Seal Class A, Add	*179.93*	
		For Work In Restricted Working Space, Add	*168.68*	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	669.82	341.59
		For Seal Class B, Add	*85.40*	
		For Seal Class A, Add	*182.18*	
		For Work In Restricted Working Space, Add	*170.79*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	661.54	337.37
		For Seal Class B, Add	*84.34*	
		For Seal Class A, Add	*179.93*	
		For Work In Restricted Working Space, Add	*168.68*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	669.82	341.59
		For Seal Class B, Add	*85.40*	
		For Seal Class A, Add	*182.18*	
		For Work In Restricted Working Space, Add	*170.79*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	678.09	345.80
		For Seal Class B, Add	*86.45*	
		For Seal Class A, Add	*184.43*	
		For Work In Restricted Working Space, Add	*172.90*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	678.09	345.80
		For Seal Class B, Add	*86.45*	
		For Seal Class A, Add	*184.43*	
		For Work In Restricted Working Space, Add	*172.90*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.37	350.02
		For Seal Class B, Add	*87.51*	
		For Seal Class A, Add	*186.68*	
		For Work In Restricted Working Space, Add	*175.01*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.64	354.23
		For Seal Class B, Add	*88.56*	
		For Seal Class A, Add	*188.93*	
		For Work In Restricted Working Space, Add	*177.12*	
23 31 13 13-0832		**18 Gauge Galvanized Steel Metal Ductwork** *(23 31 13 13-0014)*		
23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.08	21.95
		For Seal Class B, Add	*5.49*	
		For Seal Class A, Add	*11.72*	
		For Work In Restricted Working Space, Add	*10.98*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.83	27.45
		For Seal Class B, Add	*6.86*	
		For Seal Class A, Add	*14.64*	
		For Work In Restricted Working Space, Add	*13.73*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.59	32.95
		For Seal Class B, Add	*8.24*	
		For Seal Class A, Add	*17.57*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.36	38.43
		For Seal Class B, Add	*9.61*	
		For Seal Class A, Add	*20.50*	
		For Work In Restricted Working Space, Add	*19.22*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.13	43.93
		For Seal Class B, Add	*10.98*	
		For Seal Class A, Add	*23.42*	
		For Work In Restricted Working Space, Add	*21.96*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.89	49.41
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*26.35*	
		For Work In Restricted Working Space, Add	*24.71*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.66	54.90
		For Seal Class B, Add	*13.73*	
		For Seal Class A, Add	*29.28*	
		For Work In Restricted Working Space, Add	*27.45*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.59	32.95
		For Seal Class B, Add	*8.24*	
		For Seal Class A, Add	*17.57*	
		For Work In Restricted Working Space, Add	*16.47*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.36	38.43
		For Seal Class B, Add	*9.61*	
		For Seal Class A, Add	*20.50*	
		For Work In Restricted Working Space, Add	*19.22*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.13	43.93
		For Seal Class B, Add	*10.98*	
		For Seal Class A, Add	*23.42*	
		For Work In Restricted Working Space, Add	*21.96*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.89	49.41
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*26.35*	
		For Work In Restricted Working Space, Add	*24.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.66	54.90
		For Seal Class B, Add	*13.73*	
		For Seal Class A, Add	*29.28*	
		For Work In Restricted Working Space, Add	*27.45*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.43	60.40
		For Seal Class B, Add	*15.10*	
		For Seal Class A, Add	*32.21*	
		For Work In Restricted Working Space, Add	*30.20*	
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.13	43.93
		For Seal Class B, Add	*10.98*	
		For Seal Class A, Add	*23.42*	
		For Work In Restricted Working Space, Add	*21.96*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.89	49.41
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*26.35*	
		For Work In Restricted Working Space, Add	*24.71*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.66	54.90
		For Seal Class B, Add	*13.73*	
		For Seal Class A, Add	*29.28*	
		For Work In Restricted Working Space, Add	*27.45*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.43	60.40
		For Seal Class B, Add	*15.10*	
		For Seal Class A, Add	*32.21*	
		For Work In Restricted Working Space, Add	*30.20*	
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.19	65.88
		For Seal Class B, Add	*16.47*	
		For Seal Class A, Add	*35.14*	
		For Work In Restricted Working Space, Add	*32.94*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.97	71.37
		For Seal Class B, Add	*17.84*	
		For Seal Class A, Add	*38.07*	
		For Work In Restricted Working Space, Add	*35.69*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.72	76.86
		For Seal Class B, Add	*19.22*	
		For Seal Class A, Add	*40.99*	
		For Work In Restricted Working Space, Add	*38.43*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.49	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.25	87.85
		For Seal Class B, Add	*21.96*	
		For Seal Class A, Add	*46.85*	
		For Work In Restricted Working Space, Add	*43.92*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.66	54.90
		For Seal Class B, Add	*13.73*	
		For Seal Class A, Add	*29.28*	
		For Work In Restricted Working Space, Add	*27.45*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.43	60.40
		For Seal Class B, Add	*15.10*	
		For Seal Class A, Add	*32.21*	
		For Work In Restricted Working Space, Add	*30.20*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.19	65.88
		For Seal Class B, Add	*16.47*	
		For Seal Class A, Add	*35.14*	
		For Work In Restricted Working Space, Add	*32.94*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.97	71.37
		For Seal Class B, Add	*17.84*	
		For Seal Class A, Add	*38.07*	
		For Work In Restricted Working Space, Add	*35.69*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.72	76.86
		For Seal Class B, Add	*19.22*	
		For Seal Class A, Add	*40.99*	
		For Work In Restricted Working Space, Add	*38.43*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.49	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.25	87.85
		For Seal Class B, Add	*21.96*	
		For Seal Class A, Add	*46.85*	
		For Work In Restricted Working Space, Add	*43.92*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.02	93.34
		For Seal Class B, Add	*23.34*	
		For Seal Class A, Add	*49.78*	
		For Work In Restricted Working Space, Add	*46.67*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.80	98.83
		For Seal Class B, Add	*24.71*	
		For Seal Class A, Add	*52.71*	
		For Work In Restricted Working Space, Add	*49.41*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.57	104.33
		For Seal Class B, Add	*26.08*	
		For Seal Class A, Add	*55.64*	
		For Work In Restricted Working Space, Add	*52.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.32	109.81
		For Seal Class B, Add	*27.45*	
		For Seal Class A, Add	*58.56*	
		For Work In Restricted Working Space, Add	*54.90*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.08	115.30
		For Seal Class B, Add	*28.82*	
		For Seal Class A, Add	*61.49*	
		For Work In Restricted Working Space, Add	*57.65*	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.19	65.88
		For Seal Class B, Add	*16.47*	
		For Seal Class A, Add	*35.14*	
		For Work In Restricted Working Space, Add	*32.94*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.97	71.37
		For Seal Class B, Add	*17.84*	
		For Seal Class A, Add	*38.07*	
		For Work In Restricted Working Space, Add	*35.69*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.72	76.86
		For Seal Class B, Add	*19.22*	
		For Seal Class A, Add	*40.99*	
		For Work In Restricted Working Space, Add	*38.43*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.49	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.25	87.85
		For Seal Class B, Add	*21.96*	
		For Seal Class A, Add	*46.85*	
		For Work In Restricted Working Space, Add	*43.92*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.02	93.34
		For Seal Class B, Add	*23.34*	
		For Seal Class A, Add	*49.78*	
		For Work In Restricted Working Space, Add	*46.67*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.80	98.83
		For Seal Class B, Add	*24.71*	
		For Seal Class A, Add	*52.71*	
		For Work In Restricted Working Space, Add	*49.41*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.57	104.33
		For Seal Class B, Add	*26.08*	
		For Seal Class A, Add	*55.64*	
		For Work In Restricted Working Space, Add	*52.16*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.32	109.81
		For Seal Class B, Add	*27.45*	
		For Seal Class A, Add	*58.56*	
		For Work In Restricted Working Space, Add	*54.90*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.08	115.30
		For Seal Class B, Add	*28.82*	
		For Seal Class A, Add	*61.49*	
		For Work In Restricted Working Space, Add	*57.65*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.84	120.79
		For Seal Class B, Add	*30.20*	
		For Seal Class A, Add	*64.42*	
		For Work In Restricted Working Space, Add	*60.39*	
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	247.63	126.28
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*67.35*	
		For Work In Restricted Working Space, Add	*63.14*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.72	76.86
		For Seal Class B, Add	*19.22*	
		For Seal Class A, Add	*40.99*	
		For Work In Restricted Working Space, Add	*38.43*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	161.49	82.35
		For Seal Class B, Add	*20.59*	
		For Seal Class A, Add	*43.92*	
		For Work In Restricted Working Space, Add	*41.18*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.25	87.85
		For Seal Class B, Add	*21.96*	
		For Seal Class A, Add	*46.85*	
		For Work In Restricted Working Space, Add	*43.92*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.02	93.34
		For Seal Class B, Add	*23.34*	
		For Seal Class A, Add	*49.78*	
		For Work In Restricted Working Space, Add	*46.67*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.80	98.83
		For Seal Class B, Add	*24.71*	
		For Seal Class A, Add	*52.71*	
		For Work In Restricted Working Space, Add	*49.41*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.57	104.33
		For Seal Class B, Add	*26.08*	
		For Seal Class A, Add	*55.64*	
		For Work In Restricted Working Space, Add	*52.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.32	109.81
		For Seal Class B, Add	*27.45*	
		For Seal Class A, Add	*58.56*	
		For Work In Restricted Working Space, Add	*54.90*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.08	115.30
		For Seal Class B, Add	*28.82*	
		For Seal Class A, Add	*61.49*	
		For Work In Restricted Working Space, Add	*57.65*	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.84	120.79
		For Seal Class B, Add	*30.20*	
		For Seal Class A, Add	*64.42*	
		For Work In Restricted Working Space, Add	*60.39*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	247.63	126.28
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*67.35*	
		For Work In Restricted Working Space, Add	*63.14*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.16	137.26
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*73.21*	
		For Work In Restricted Working Space, Add	*68.63*	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.25	87.85
		For Seal Class B, Add	*21.96*	
		For Seal Class A, Add	*46.85*	
		For Work In Restricted Working Space, Add	*43.92*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.02	93.34
		For Seal Class B, Add	*23.34*	
		For Seal Class A, Add	*49.78*	
		For Work In Restricted Working Space, Add	*46.67*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.80	98.83
		For Seal Class B, Add	*24.71*	
		For Seal Class A, Add	*52.71*	
		For Work In Restricted Working Space, Add	*49.41*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.57	104.33
		For Seal Class B, Add	*26.08*	
		For Seal Class A, Add	*55.64*	
		For Work In Restricted Working Space, Add	*52.16*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.32	109.81
		For Seal Class B, Add	*27.45*	
		For Seal Class A, Add	*58.56*	
		For Work In Restricted Working Space, Add	*54.90*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.08	115.30
		For Seal Class B, Add	*28.82*	
		For Seal Class A, Add	*61.49*	
		For Work In Restricted Working Space, Add	*57.65*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.84	120.79
		For Seal Class B, Add	*30.20*	
		For Seal Class A, Add	*64.42*	
		For Work In Restricted Working Space, Add	*60.39*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	247.63	126.28
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*67.35*	
		For Work In Restricted Working Space, Add	*63.14*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.16	137.26
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*73.21*	
		For Work In Restricted Working Space, Add	*68.63*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.92	142.75
		For Seal Class B, Add	*35.69*	
		For Seal Class A, Add	*76.13*	
		For Work In Restricted Working Space, Add	*71.38*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.68	148.23
		For Seal Class B, Add	*37.06*	
		For Seal Class A, Add	*79.06*	
		For Work In Restricted Working Space, Add	*74.12*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.80	98.83
		For Seal Class B, Add	*24.71*	
		For Seal Class A, Add	*52.71*	
		For Work In Restricted Working Space, Add	*49.41*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.57	104.33
		For Seal Class B, Add	*26.08*	
		For Seal Class A, Add	*55.64*	
		For Work In Restricted Working Space, Add	*52.16*	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.32	109.81
		For Seal Class B, Add	*27.45*	
		For Seal Class A, Add	*58.56*	
		For Work In Restricted Working Space, Add	*54.90*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.08	115.30
		For Seal Class B, Add	*28.82*	
		For Seal Class A, Add	*61.49*	
		For Work In Restricted Working Space, Add	*57.65*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.84	120.79
		For Seal Class B, Add	*30.20*	
		For Seal Class A, Add	*64.42*	
		For Work In Restricted Working Space, Add	*60.39*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	247.63	126.28
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*67.35*	
		For Work In Restricted Working Space, Add	*63.14*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.16	137.26
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*73.21*	
		For Work In Restricted Working Space, Add	*68.63*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.92	142.75
		For Seal Class B, Add	*35.69*	
		For Seal Class A, Add	*76.13*	
		For Work In Restricted Working Space, Add	*71.38*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.68	148.23
		For Seal Class B, Add	*37.06*	
		For Seal Class A, Add	*79.06*	
		For Work In Restricted Working Space, Add	*74.12*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.32	109.81
		For Seal Class B, Add	*27.45*	
		For Seal Class A, Add	*58.56*	
		For Work In Restricted Working Space, Add	*54.90*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.08	115.30
		For Seal Class B, Add	*28.82*	
		For Seal Class A, Add	*61.49*	
		For Work In Restricted Working Space, Add	*57.65*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.84	120.79
		For Seal Class B, Add	*30.20*	
		For Seal Class A, Add	*64.42*	
		For Work In Restricted Working Space, Add	*60.39*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	247.63	126.28
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*67.35*	
		For Work In Restricted Working Space, Add	*63.14*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.16	137.26
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*73.21*	
		For Work In Restricted Working Space, Add	*68.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.92	142.75
		For Seal Class B, Add	*35.69*	
		For Seal Class A, Add	*76.13*	
		For Work In Restricted Working Space, Add	*71.38*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.68	148.23
		For Seal Class B, Add	*37.06*	
		For Seal Class A, Add	*79.06*	
		For Work In Restricted Working Space, Add	*74.12*	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.84	120.79
		For Seal Class B, Add	*30.20*	
		For Seal Class A, Add	*64.42*	
		For Work In Restricted Working Space, Add	*60.39*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	247.63	126.28
		For Seal Class B, Add	*31.57*	
		For Seal Class A, Add	*67.35*	
		For Work In Restricted Working Space, Add	*63.14*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.16	137.26
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*73.21*	
		For Work In Restricted Working Space, Add	*68.63*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.92	142.75
		For Seal Class B, Add	*35.69*	
		For Seal Class A, Add	*76.13*	
		For Work In Restricted Working Space, Add	*71.38*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.68	148.23
		For Seal Class B, Add	*37.06*	
		For Seal Class A, Add	*79.06*	
		For Work In Restricted Working Space, Add	*74.12*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.40	131.77
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*70.28*	
		For Work In Restricted Working Space, Add	*65.89*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.16	137.26
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*73.21*	
		For Work In Restricted Working Space, Add	*68.63*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.92	142.75
		For Seal Class B, Add	*35.69*	
		For Seal Class A, Add	*76.13*	
		For Work In Restricted Working Space, Add	*71.38*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.68	148.23
		For Seal Class B, Add	*37.06*	
		For Seal Class A, Add	*79.06*	
		For Work In Restricted Working Space, Add	*74.12*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.92	142.75
		For Seal Class B, Add	*35.69*	
		For Seal Class A, Add	*76.13*	
		For Work In Restricted Working Space, Add	*71.38*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.68	148.23
		For Seal Class B, Add	*37.06*	
		For Seal Class A, Add	*79.06*	
		For Work In Restricted Working Space, Add	*74.12*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.37	203.14
		For Seal Class B, Add	*50.79*	
		For Seal Class A, Add	*108.35*	
		For Work In Restricted Working Space, Add	*101.57*	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.46	153.74
		For Seal Class B, Add	*38.43*	
		For Seal Class A, Add	*81.99*	
		For Work In Restricted Working Space, Add	*76.87*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.22	159.23
		For Seal Class B, Add	*39.81*	
		For Seal Class A, Add	*84.92*	
		For Work In Restricted Working Space, Add	*79.61*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.37	203.14
		For Seal Class B, Add	*50.79*	
		For Seal Class A, Add	*108.35*	
		For Work In Restricted Working Space, Add	*101.57*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.13	208.63
		For Seal Class B, Add	*52.16*	
		For Seal Class A, Add	*111.27*	
		For Work In Restricted Working Space, Add	*104.32*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.98	164.71
		For Seal Class B, Add	*41.18*	
		For Seal Class A, Add	*87.85*	
		For Work In Restricted Working Space, Add	*82.36*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.76	170.21
		For Seal Class B, Add	*42.55*	
		For Seal Class A, Add	*90.78*	
		For Work In Restricted Working Space, Add	*85.10*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.37	203.14
		For Seal Class B, Add	*50.79*	
		For Seal Class A, Add	*108.35*	
		For Work In Restricted Working Space, Add	*101.57*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.13	208.63
		For Seal Class B, Add	*52.16*	
		For Seal Class A, Add	*111.27*	
		For Work In Restricted Working Space, Add	*104.32*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.88	214.14
		For Seal Class B, Add	*53.53*	
		For Seal Class A, Add	*114.20*	
		For Work In Restricted Working Space, Add	*107.06*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.54	175.69
		For Seal Class B, Add	*43.92*	
		For Seal Class A, Add	*93.71*	
		For Work In Restricted Working Space, Add	*87.85*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.29	181.18
		For Seal Class B, Add	*45.30*	
		For Seal Class A, Add	*96.63*	
		For Work In Restricted Working Space, Add	*90.59*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.37	203.14
		For Seal Class B, Add	*50.79*	
		For Seal Class A, Add	*108.35*	
		For Work In Restricted Working Space, Add	*101.57*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.13	208.63
		For Seal Class B, Add	*52.16*	
		For Seal Class A, Add	*111.27*	
		For Work In Restricted Working Space, Add	*104.32*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.88	214.14
		For Seal Class B, Add	*53.53*	
		For Seal Class A, Add	*114.20*	
		For Work In Restricted Working Space, Add	*107.06*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.65	219.62
		For Seal Class B, Add	*54.90*	
		For Seal Class A, Add	*117.13*	
		For Work In Restricted Working Space, Add	*109.81*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.05	186.68
		For Seal Class B, Add	*46.67*	
		For Seal Class A, Add	*99.56*	
		For Work In Restricted Working Space, Add	*93.34*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	376.82	192.16
		For Seal Class B, Add	*48.04*	
		For Seal Class A, Add	*102.49*	
		For Work In Restricted Working Space, Add	*96.08*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.37	203.14
		For Seal Class B, Add	*50.79*	
		For Seal Class A, Add	*108.35*	
		For Work In Restricted Working Space, Add	*101.57*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.13	208.63
		For Seal Class B, Add	*52.16*	
		For Seal Class A, Add	*111.27*	
		For Work In Restricted Working Space, Add	*104.32*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.88	214.14
		For Seal Class B, Add	*53.53*	
		For Seal Class A, Add	*114.20*	
		For Work In Restricted Working Space, Add	*107.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.65	219.62
		For Seal Class B, Add	*54.90*	
		For Seal Class A, Add	*117.13*	
		For Work In Restricted Working Space, Add	*109.81*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.41	225.11
		For Seal Class B, Add	*56.28*	
		For Seal Class A, Add	*120.06*	
		For Work In Restricted Working Space, Add	*112.55*	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.57	197.65
		For Seal Class B, Add	*49.41*	
		For Seal Class A, Add	*105.41*	
		For Work In Restricted Working Space, Add	*98.83*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.37	203.14
		For Seal Class B, Add	*50.79*	
		For Seal Class A, Add	*108.35*	
		For Work In Restricted Working Space, Add	*101.57*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.13	208.63
		For Seal Class B, Add	*52.16*	
		For Seal Class A, Add	*111.27*	
		For Work In Restricted Working Space, Add	*104.32*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.88	214.14
		For Seal Class B, Add	*53.53*	
		For Seal Class A, Add	*114.20*	
		For Work In Restricted Working Space, Add	*107.06*	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.65	219.62
		For Seal Class B, Add	*54.90*	
		For Seal Class A, Add	*117.13*	
		For Work In Restricted Working Space, Add	*109.81*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.41	225.11
		For Seal Class B, Add	*56.28*	
		For Seal Class A, Add	*120.06*	
		For Work In Restricted Working Space, Add	*112.55*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.18	230.60
		For Seal Class B, Add	*57.65*	
		For Seal Class A, Add	*122.98*	
		For Work In Restricted Working Space, Add	*115.30*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	409.13	208.63
		For Seal Class B, Add	*52.16*	
		For Seal Class A, Add	*111.27*	
		For Work In Restricted Working Space, Add	*104.32*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.88	214.14
		For Seal Class B, Add	*53.53*	
		For Seal Class A, Add	*114.20*	
		For Work In Restricted Working Space, Add	*107.06*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.65	219.62
		For Seal Class B, Add	*54.90*	
		For Seal Class A, Add	*117.13*	
		For Work In Restricted Working Space, Add	*109.81*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.41	225.11
		For Seal Class B, Add	*56.28*	
		For Seal Class A, Add	*120.06*	
		For Work In Restricted Working Space, Add	*112.55*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.18	230.60
		For Seal Class B, Add	*57.65*	
		For Seal Class A, Add	*122.98*	
		For Work In Restricted Working Space, Add	*115.30*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.96	236.09
		For Seal Class B, Add	*59.02*	
		For Seal Class A, Add	*125.91*	
		For Work In Restricted Working Space, Add	*118.04*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.73	241.58
		For Seal Class B, Add	*60.40*	
		For Seal Class A, Add	*128.84*	
		For Work In Restricted Working Space, Add	*120.79*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.65	219.62
		For Seal Class B, Add	*54.90*	
		For Seal Class A, Add	*117.13*	
		For Work In Restricted Working Space, Add	*109.81*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.41	225.11
		For Seal Class B, Add	*56.28*	
		For Seal Class A, Add	*120.06*	
		For Work In Restricted Working Space, Add	*112.55*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.18	230.60
		For Seal Class B, Add	*57.65*	
		For Seal Class A, Add	*122.98*	
		For Work In Restricted Working Space, Add	*115.30*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.96	236.09
		For Seal Class B, Add	*59.02*	
		For Seal Class A, Add	*125.91*	
		For Work In Restricted Working Space, Add	*118.04*	
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.73	241.58
		For Seal Class B, Add	*60.40*	
		For Seal Class A, Add	*128.84*	
		For Work In Restricted Working Space, Add	*120.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.48	247.07
		For Seal Class B, Add	*61.77*	
		For Seal Class A, Add	*131.77*	
		For Work In Restricted Working Space, Add	*123.53*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.24	252.56
		For Seal Class B, Add	*63.14*	
		For Seal Class A, Add	*134.70*	
		For Work In Restricted Working Space, Add	*126.28*	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.02	258.04
		For Seal Class B, Add	*64.51*	
		For Seal Class A, Add	*137.63*	
		For Work In Restricted Working Space, Add	*129.02*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.78	263.54
		For Seal Class B, Add	*65.88*	
		For Seal Class A, Add	*140.55*	
		For Work In Restricted Working Space, Add	*131.77*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.18	230.60
		For Seal Class B, Add	*57.65*	
		For Seal Class A, Add	*122.98*	
		For Work In Restricted Working Space, Add	*115.30*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.96	236.09
		For Seal Class B, Add	*59.02*	
		For Seal Class A, Add	*125.91*	
		For Work In Restricted Working Space, Add	*118.04*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.73	241.58
		For Seal Class B, Add	*60.40*	
		For Seal Class A, Add	*128.84*	
		For Work In Restricted Working Space, Add	*120.79*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.48	247.07
		For Seal Class B, Add	*61.77*	
		For Seal Class A, Add	*131.77*	
		For Work In Restricted Working Space, Add	*123.53*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.24	252.56
		For Seal Class B, Add	*63.14*	
		For Seal Class A, Add	*134.70*	
		For Work In Restricted Working Space, Add	*126.28*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.02	258.04
		For Seal Class B, Add	*64.51*	
		For Seal Class A, Add	*137.63*	
		For Work In Restricted Working Space, Add	*129.02*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.78	263.54
		For Seal Class B, Add	*65.88*	
		For Seal Class A, Add	*140.55*	
		For Work In Restricted Working Space, Add	*131.77*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.54	269.03
		For Seal Class B, Add	*67.26*	
		For Seal Class A, Add	*143.48*	
		For Work In Restricted Working Space, Add	*134.51*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.73	241.58
		For Seal Class B, Add	*60.40*	
		For Seal Class A, Add	*128.84*	
		For Work In Restricted Working Space, Add	*120.79*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	484.48	247.07
		For Seal Class B, Add	*61.77*	
		For Seal Class A, Add	*131.77*	
		For Work In Restricted Working Space, Add	*123.53*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.24	252.56
		For Seal Class B, Add	*63.14*	
		For Seal Class A, Add	*134.70*	
		For Work In Restricted Working Space, Add	*126.28*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.02	258.04
		For Seal Class B, Add	*64.51*	
		For Seal Class A, Add	*137.63*	
		For Work In Restricted Working Space, Add	*129.02*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.78	263.54
		For Seal Class B, Add	*65.88*	
		For Seal Class A, Add	*140.55*	
		For Work In Restricted Working Space, Add	*131.77*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.54	269.03
		For Seal Class B, Add	*67.26*	
		For Seal Class A, Add	*143.48*	
		For Work In Restricted Working Space, Add	*134.51*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.31	274.52
		For Seal Class B, Add	*68.63*	
		For Seal Class A, Add	*146.41*	
		For Work In Restricted Working Space, Add	*137.26*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.24	252.56
		For Seal Class B, Add	*63.14*	
		For Seal Class A, Add	*134.70*	
		For Work In Restricted Working Space, Add	*126.28*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.02	258.04
		For Seal Class B, Add	*64.51*	
		For Seal Class A, Add	*137.63*	
		For Work In Restricted Working Space, Add	*129.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.78	263.54
		For Seal Class B, Add	*65.88*	
		For Seal Class A, Add	*140.55*	
		For Work In Restricted Working Space, Add	*131.77*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.54	269.03
		For Seal Class B, Add	*67.26*	
		For Seal Class A, Add	*143.48*	
		For Work In Restricted Working Space, Add	*134.51*	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.31	274.52
		For Seal Class B, Add	*68.63*	
		For Seal Class A, Add	*146.41*	
		For Work In Restricted Working Space, Add	*137.26*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.23	285.50
		For Seal Class B, Add	*71.38*	
		For Seal Class A, Add	*152.27*	
		For Work In Restricted Working Space, Add	*142.75*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	569.01	290.99
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.20*	
		For Work In Restricted Working Space, Add	*145.50*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.78	263.54
		For Seal Class B, Add	*65.88*	
		For Seal Class A, Add	*140.55*	
		For Work In Restricted Working Space, Add	*131.77*	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.54	269.03
		For Seal Class B, Add	*67.26*	
		For Seal Class A, Add	*143.48*	
		For Work In Restricted Working Space, Add	*134.51*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.31	274.52
		For Seal Class B, Add	*68.63*	
		For Seal Class A, Add	*146.41*	
		For Work In Restricted Working Space, Add	*137.26*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.07	280.02
		For Seal Class B, Add	*70.00*	
		For Seal Class A, Add	*149.34*	
		For Work In Restricted Working Space, Add	*140.00*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.86	285.50
		For Seal Class B, Add	*71.38*	
		For Seal Class A, Add	*152.27*	
		For Work In Restricted Working Space, Add	*142.75*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.62	290.99
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.20*	
		For Work In Restricted Working Space, Add	*145.50*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.37	296.49
		For Seal Class B, Add	*74.12*	
		For Seal Class A, Add	*158.12*	
		For Work In Restricted Working Space, Add	*148.24*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.31	274.52
		For Seal Class B, Add	*68.63*	
		For Seal Class A, Add	*146.41*	
		For Work In Restricted Working Space, Add	*137.26*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.07	280.02
		For Seal Class B, Add	*70.00*	
		For Seal Class A, Add	*149.34*	
		For Work In Restricted Working Space, Add	*140.00*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.86	285.50
		For Seal Class B, Add	*71.38*	
		For Seal Class A, Add	*152.27*	
		For Work In Restricted Working Space, Add	*142.75*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.62	290.99
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.20*	
		For Work In Restricted Working Space, Add	*145.50*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.37	296.49
		For Seal Class B, Add	*74.12*	
		For Seal Class A, Add	*158.12*	
		For Work In Restricted Working Space, Add	*148.24*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.13	301.97
		For Seal Class B, Add	*75.49*	
		For Seal Class A, Add	*161.05*	
		For Work In Restricted Working Space, Add	*150.98*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.86	285.50
		For Seal Class B, Add	*71.38*	
		For Seal Class A, Add	*152.27*	
		For Work In Restricted Working Space, Add	*142.75*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.62	290.99
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.20*	
		For Work In Restricted Working Space, Add	*145.50*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.37	296.49
		For Seal Class B, Add	*74.12*	
		For Seal Class A, Add	*158.12*	
		For Work In Restricted Working Space, Add	*148.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.13	301.97
		For Seal Class B, Add	*75.49*	
		For Seal Class A, Add	*161.05*	
		For Work In Restricted Working Space, Add	*150.98*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.91	307.46
		For Seal Class B, Add	*76.87*	
		For Seal Class A, Add	*163.98*	
		For Work In Restricted Working Space, Add	*153.74*	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.37	296.49
		For Seal Class B, Add	*74.12*	
		For Seal Class A, Add	*158.12*	
		For Work In Restricted Working Space, Add	*148.24*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.13	301.97
		For Seal Class B, Add	*75.49*	
		For Seal Class A, Add	*161.05*	
		For Work In Restricted Working Space, Add	*150.98*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.91	307.46
		For Seal Class B, Add	*76.87*	
		For Seal Class A, Add	*163.98*	
		For Work In Restricted Working Space, Add	*153.74*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	613.70	312.95
		For Seal Class B, Add	*78.24*	
		For Seal Class A, Add	*166.91*	
		For Work In Restricted Working Space, Add	*156.48*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	624.45	318.44
		For Seal Class B, Add	*79.61*	
		For Seal Class A, Add	*169.84*	
		For Work In Restricted Working Space, Add	*159.22*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	635.21	323.93
		For Seal Class B, Add	*80.98*	
		For Seal Class A, Add	*172.76*	
		For Work In Restricted Working Space, Add	*161.97*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.91	307.46
		For Seal Class B, Add	*76.87*	
		For Seal Class A, Add	*163.98*	
		For Work In Restricted Working Space, Add	*153.74*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	613.70	312.95
		For Seal Class B, Add	*78.24*	
		For Seal Class A, Add	*166.91*	
		For Work In Restricted Working Space, Add	*156.48*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	624.45	318.44
		For Seal Class B, Add	*79.61*	
		For Seal Class A, Add	*169.84*	
		For Work In Restricted Working Space, Add	*159.22*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	635.21	323.93
		For Seal Class B, Add	*80.98*	
		For Seal Class A, Add	*172.76*	
		For Work In Restricted Working Space, Add	*161.97*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.98	329.42
		For Seal Class B, Add	*82.36*	
		For Seal Class A, Add	*175.70*	
		For Work In Restricted Working Space, Add	*164.72*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	624.45	318.44
		For Seal Class B, Add	*79.61*	
		For Seal Class A, Add	*169.84*	
		For Work In Restricted Working Space, Add	*159.22*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	635.21	323.93
		For Seal Class B, Add	*80.98*	
		For Seal Class A, Add	*172.76*	
		For Work In Restricted Working Space, Add	*161.97*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.98	329.42
		For Seal Class B, Add	*82.36*	
		For Seal Class A, Add	*175.70*	
		For Work In Restricted Working Space, Add	*164.72*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.73	334.92
		For Seal Class B, Add	*83.73*	
		For Seal Class A, Add	*178.62*	
		For Work In Restricted Working Space, Add	*167.46*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	667.51	340.41
		For Seal Class B, Add	*85.10*	
		For Seal Class A, Add	*181.55*	
		For Work In Restricted Working Space, Add	*170.20*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.98	329.42
		For Seal Class B, Add	*82.36*	
		For Seal Class A, Add	*175.70*	
		For Work In Restricted Working Space, Add	*164.72*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.73	334.92
		For Seal Class B, Add	*83.73*	
		For Seal Class A, Add	*178.62*	
		For Work In Restricted Working Space, Add	*167.46*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	667.51	340.41
		For Seal Class B, Add	*85.10*	
		For Seal Class A, Add	*181.55*	
		For Work In Restricted Working Space, Add	*170.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	678.29	345.90
		For Seal Class B, Add	*86.48*	
		For Seal Class A, Add	*184.48*	
		For Work In Restricted Working Space, Add	*172.95*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	689.05	351.39
		For Seal Class B, Add	*87.85*	
		For Seal Class A, Add	*187.41*	
		For Work In Restricted Working Space, Add	*175.70*	
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	667.51	340.41
		For Seal Class B, Add	*85.10*	
		For Seal Class A, Add	*181.55*	
		For Work In Restricted Working Space, Add	*170.20*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	678.29	345.90
		For Seal Class B, Add	*86.48*	
		For Seal Class A, Add	*184.48*	
		For Work In Restricted Working Space, Add	*172.95*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	689.05	351.39
		For Seal Class B, Add	*87.85*	
		For Seal Class A, Add	*187.41*	
		For Work In Restricted Working Space, Add	*175.70*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	699.81	356.87
		For Seal Class B, Add	*89.22*	
		For Seal Class A, Add	*190.34*	
		For Work In Restricted Working Space, Add	*178.44*	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.57	362.37
		For Seal Class B, Add	*90.59*	
		For Seal Class A, Add	*193.26*	
		For Work In Restricted Working Space, Add	*181.19*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	689.05	351.39
		For Seal Class B, Add	*87.85*	
		For Seal Class A, Add	*187.41*	
		For Work In Restricted Working Space, Add	*175.70*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	699.81	356.87
		For Seal Class B, Add	*89.22*	
		For Seal Class A, Add	*190.34*	
		For Work In Restricted Working Space, Add	*178.44*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.57	362.37
		For Seal Class B, Add	*90.59*	
		For Seal Class A, Add	*193.26*	
		For Work In Restricted Working Space, Add	*181.19*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	721.34	367.86
		For Seal Class B, Add	*91.96*	
		For Seal Class A, Add	*196.19*	
		For Work In Restricted Working Space, Add	*183.93*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.57	362.37
		For Seal Class B, Add	*90.59*	
		For Seal Class A, Add	*193.26*	
		For Work In Restricted Working Space, Add	*181.19*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	721.34	367.86
		For Seal Class B, Add	*91.96*	
		For Seal Class A, Add	*196.19*	
		For Work In Restricted Working Space, Add	*183.93*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	732.11	373.35
		For Seal Class B, Add	*93.34*	
		For Seal Class A, Add	*199.12*	
		For Work In Restricted Working Space, Add	*186.68*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	742.87	378.84
		For Seal Class B, Add	*94.71*	
		For Seal Class A, Add	*202.05*	
		For Work In Restricted Working Space, Add	*189.42*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	732.11	373.35
		For Seal Class B, Add	*93.34*	
		For Seal Class A, Add	*199.12*	
		For Work In Restricted Working Space, Add	*186.68*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	742.87	378.84
		For Seal Class B, Add	*94.71*	
		For Seal Class A, Add	*202.05*	
		For Work In Restricted Working Space, Add	*189.42*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	753.63	384.32
		For Seal Class B, Add	*96.08*	
		For Seal Class A, Add	*204.98*	
		For Work In Restricted Working Space, Add	*192.17*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	764.39	389.82
		For Seal Class B, Add	*97.46*	
		For Seal Class A, Add	*207.90*	
		For Work In Restricted Working Space, Add	*194.91*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	753.63	384.32
		For Seal Class B, Add	*96.08*	
		For Seal Class A, Add	*204.98*	
		For Work In Restricted Working Space, Add	*192.17*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	764.39	389.82
		For Seal Class B, Add	*97.46*	
		For Seal Class A, Add	*207.90*	
		For Work In Restricted Working Space, Add	*194.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	775.19	395.32
		For Seal Class B, Add	*98.83*	
		For Seal Class A, Add	*210.84*	
		For Work In Restricted Working Space, Add	*197.66*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	785.94	400.80
		For Seal Class B, Add	*100.20*	
		For Seal Class A, Add	*213.76*	
		For Work In Restricted Working Space, Add	*200.40*	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	796.70	406.30
		For Seal Class B, Add	*101.57*	
		For Seal Class A, Add	*216.69*	
		For Work In Restricted Working Space, Add	*203.15*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	807.46	411.78
		For Seal Class B, Add	*102.95*	
		For Seal Class A, Add	*219.62*	
		For Work In Restricted Working Space, Add	*205.89*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	818.23	417.27
		For Seal Class B, Add	*104.32*	
		For Seal Class A, Add	*222.55*	
		For Work In Restricted Working Space, Add	*208.64*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	829.02	422.77
		For Seal Class B, Add	*105.69*	
		For Seal Class A, Add	*225.48*	
		For Work In Restricted Working Space, Add	*211.38*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	839.78	428.25
		For Seal Class B, Add	*107.06*	
		For Seal Class A, Add	*228.40*	
		For Work In Restricted Working Space, Add	*214.13*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	775.19	395.32
		For Seal Class B, Add	*98.83*	
		For Seal Class A, Add	*210.84*	
		For Work In Restricted Working Space, Add	*197.66*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	785.94	400.80
		For Seal Class B, Add	*100.20*	
		For Seal Class A, Add	*213.76*	
		For Work In Restricted Working Space, Add	*200.40*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	796.70	406.30
		For Seal Class B, Add	*101.57*	
		For Seal Class A, Add	*216.69*	
		For Work In Restricted Working Space, Add	*203.15*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	807.46	411.78
		For Seal Class B, Add	*102.95*	
		For Seal Class A, Add	*219.62*	
		For Work In Restricted Working Space, Add	*205.89*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	818.23	417.27
		For Seal Class B, Add	*104.32*	
		For Seal Class A, Add	*222.55*	
		For Work In Restricted Working Space, Add	*208.64*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	829.02	422.77
		For Seal Class B, Add	*105.69*	
		For Seal Class A, Add	*225.48*	
		For Work In Restricted Working Space, Add	*211.38*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	839.78	428.25
		For Seal Class B, Add	*107.06*	
		For Seal Class A, Add	*228.40*	
		For Work In Restricted Working Space, Add	*214.13*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	850.53	433.74
		For Seal Class B, Add	*108.44*	
		For Seal Class A, Add	*231.33*	
		For Work In Restricted Working Space, Add	*216.87*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	796.70	406.30
		For Seal Class B, Add	*101.57*	
		For Seal Class A, Add	*216.69*	
		For Work In Restricted Working Space, Add	*203.15*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	807.46	411.78
		For Seal Class B, Add	*102.95*	
		For Seal Class A, Add	*219.62*	
		For Work In Restricted Working Space, Add	*205.89*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	818.23	417.27
		For Seal Class B, Add	*104.32*	
		For Seal Class A, Add	*222.55*	
		For Work In Restricted Working Space, Add	*208.64*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	829.02	422.77
		For Seal Class B, Add	*105.69*	
		For Seal Class A, Add	*225.48*	
		For Work In Restricted Working Space, Add	*211.38*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	839.78	428.25
		For Seal Class B, Add	*107.06*	
		For Seal Class A, Add	*228.40*	
		For Work In Restricted Working Space, Add	*214.13*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	850.53	433.74
		For Seal Class B, Add	*108.44*	
		For Seal Class A, Add	*231.33*	
		For Work In Restricted Working Space, Add	*216.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	861.29	439.23
		For Seal Class B, Add	*109.81*	
		For Seal Class A, Add	*234.26*	
		For Work In Restricted Working Space, Add	*219.62*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	818.23	417.27
		For Seal Class B, Add	*104.32*	
		For Seal Class A, Add	*222.55*	
		For Work In Restricted Working Space, Add	*208.64*	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	829.02	422.77
		For Seal Class B, Add	*105.69*	
		For Seal Class A, Add	*225.48*	
		For Work In Restricted Working Space, Add	*211.38*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	839.78	428.25
		For Seal Class B, Add	*107.06*	
		For Seal Class A, Add	*228.40*	
		For Work In Restricted Working Space, Add	*214.13*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	850.53	433.74
		For Seal Class B, Add	*108.44*	
		For Seal Class A, Add	*231.33*	
		For Work In Restricted Working Space, Add	*216.87*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	861.29	439.23
		For Seal Class B, Add	*109.81*	
		For Seal Class A, Add	*234.26*	
		For Work In Restricted Working Space, Add	*219.62*	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	872.06	444.72
		For Seal Class B, Add	*111.18*	
		For Seal Class A, Add	*237.19*	
		For Work In Restricted Working Space, Add	*222.36*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	839.78	428.25
		For Seal Class B, Add	*107.06*	
		For Seal Class A, Add	*228.40*	
		For Work In Restricted Working Space, Add	*214.13*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	850.53	433.74
		For Seal Class B, Add	*108.44*	
		For Seal Class A, Add	*231.33*	
		For Work In Restricted Working Space, Add	*216.87*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	861.29	439.23
		For Seal Class B, Add	*109.81*	
		For Seal Class A, Add	*234.26*	
		For Work In Restricted Working Space, Add	*219.62*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	872.06	444.72
		For Seal Class B, Add	*111.18*	
		For Seal Class A, Add	*237.19*	
		For Work In Restricted Working Space, Add	*222.36*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	882.83	450.21
		For Seal Class B, Add	*112.55*	
		For Seal Class A, Add	*240.11*	
		For Work In Restricted Working Space, Add	*225.11*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	861.29	439.23
		For Seal Class B, Add	*109.81*	
		For Seal Class A, Add	*234.26*	
		For Work In Restricted Working Space, Add	*219.62*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	872.06	444.72
		For Seal Class B, Add	*111.18*	
		For Seal Class A, Add	*237.19*	
		For Work In Restricted Working Space, Add	*222.36*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	882.83	450.21
		For Seal Class B, Add	*112.55*	
		For Seal Class A, Add	*240.11*	
		For Work In Restricted Working Space, Add	*225.11*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.76	461.20
		For Seal Class B, Add	*115.30*	
		For Seal Class A, Add	*245.97*	
		For Work In Restricted Working Space, Add	*230.60*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	882.83	450.21
		For Seal Class B, Add	*112.55*	
		For Seal Class A, Add	*240.11*	
		For Work In Restricted Working Space, Add	*225.11*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.61	455.71
		For Seal Class B, Add	*113.93*	
		For Seal Class A, Add	*243.04*	
		For Work In Restricted Working Space, Add	*227.85*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	904.37	461.20
		For Seal Class B, Add	*115.30*	
		For Seal Class A, Add	*245.97*	
		For Work In Restricted Working Space, Add	*230.60*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	904.37	461.20
		For Seal Class B, Add	*115.30*	
		For Seal Class A, Add	*245.97*	
		For Work In Restricted Working Space, Add	*230.60*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	915.13	466.68
		For Seal Class B, Add	*116.67*	
		For Seal Class A, Add	*248.90*	
		For Work In Restricted Working Space, Add	*233.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	925.89	472.18
		For Seal Class B, Add	*118.04*	
		For Seal Class A, Add	*251.83*	
		For Work In Restricted Working Space, Add	*236.09*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	7.80	2.69
		For Seal Class B, Add	*0.82*	
		For Seal Class A, Add	*2.20*	
		For Up To 20', Add	*0.69*	
		For >20' To 50', Add	*0.28*	
		For >200' To 500', Deduct	*-0.17*	
		For >500', Deduct	*-0.29*	
		For 28 Gauge, Deduct	*-0.32*	
		For 24 Gauge, Add	*0.32*	
		For 22 Gauge, Add	*0.64*	
		For 20 Gauge, Add	*0.96*	
		For 18 Gauge, Add	*1.27*	
		For 16 Gauge, Add	*1.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.71*	
		For Work In Restricted Working Space, Add	*1.65*	
		For Elevated Installation >10' To 15', Add	*0.55*	
		For Elevated Installation >15' To 20', Add	*1.10*	
		For Elevated Installation >20' To 25', Add	*1.37*	
		For Elevated Installation >25' To 30', Add	*1.92*	
		For Elevated Installation >30' To 35', Add	*2.20*	
		For Elevated Installation >35' To 40', Add	*2.75*	
		For Elevated Installation >40', Add	*3.02*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.02	3.05
		For Seal Class B, Add	*0.92*	
		For Seal Class A, Add	*2.44*	
		For Up To 20', Add	*0.88*	
		For >20' To 50', Add	*0.35*	
		For >200' To 500', Deduct	*-0.22*	
		For >500', Deduct	*-0.37*	
		For 28 Gauge, Deduct	*-0.40*	
		For 24 Gauge, Add	*0.40*	
		For 22 Gauge, Add	*0.80*	
		For 20 Gauge, Add	*1.21*	
		For 18 Gauge, Add	*1.61*	
		For 16 Gauge, Add	*1.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.16*	
		For Work In Restricted Working Space, Add	*1.83*	
		For Elevated Installation >10' To 15', Add	*0.61*	
		For Elevated Installation >15' To 20', Add	*1.22*	
		For Elevated Installation >20' To 25', Add	*1.53*	
		For Elevated Installation >25' To 30', Add	*2.14*	
		For Elevated Installation >30' To 35', Add	*2.44*	
		For Elevated Installation >35' To 40', Add	*3.05*	
		For Elevated Installation >40', Add	*3.36*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.23	3.65
		For Seal Class B, Add	*1.03*	
		For Seal Class A, Add	*2.74*	
		For Up To 20', Add	*1.01*	
		For >20' To 50', Add	*0.40*	
		For >200' To 500', Deduct	*-0.25*	
		For >500', Deduct	*-0.42*	
		For 28 Gauge, Deduct	*-0.47*	
		For 24 Gauge, Add	*0.47*	
		For 22 Gauge, Add	*0.93*	
		For 20 Gauge, Add	*1.40*	
		For 18 Gauge, Add	*1.85*	
		For 16 Gauge, Add	*2.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.49*	
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.72*	
		For Elevated Installation >25' To 30', Add	*2.40*	
		For Elevated Installation >30' To 35', Add	*2.74*	
		For Elevated Installation >35' To 40', Add	*3.43*	
		For Elevated Installation >40', Add	*3.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.48	4.27
		For Seal Class B, Add	*1.18*	
		For Seal Class A, Add	*3.14*	
		For Up To 20', Add	*1.09*	
		For >20' To 50', Add	*0.44*	
		For >200' To 500', Deduct	*-0.27*	
		For >500', Deduct	*-0.46*	
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*1.00*	
		For 20 Gauge, Add	*1.51*	
		For 18 Gauge, Add	*2.00*	
		For 16 Gauge, Add	*2.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.69*	
		For Work In Restricted Working Space, Add	*2.35*	
		For Elevated Installation >10' To 15', Add	*0.78*	
		For Elevated Installation >15' To 20', Add	*1.57*	
		For Elevated Installation >20' To 25', Add	*1.96*	
		For Elevated Installation >25' To 30', Add	*2.74*	
		For Elevated Installation >30' To 35', Add	*3.14*	
		For Elevated Installation >35' To 40', Add	*3.92*	
		For Elevated Installation >40', Add	*4.31*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	13.05	4.88
		For Seal Class B, Add	*1.37*	
		For Seal Class A, Add	*3.66*	
		For Up To 20', Add	*1.17*	
		For >20' To 50', Add	*0.47*	
		For >200' To 500', Deduct	*-0.29*	
		For >500', Deduct	*-0.49*	
		For 28 Gauge, Deduct	*-0.54*	
		For 24 Gauge, Add	*0.54*	
		For 22 Gauge, Add	*1.07*	
		For 20 Gauge, Add	*1.61*	
		For 18 Gauge, Add	*2.15*	
		For 16 Gauge, Add	*2.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.89*	
		For Work In Restricted Working Space, Add	*2.75*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.83*	
		For Elevated Installation >20' To 25', Add	*2.29*	
		For Elevated Installation >25' To 30', Add	*3.20*	
		For Elevated Installation >30' To 35', Add	*3.66*	
		For Elevated Installation >35' To 40', Add	*4.58*	
		For Elevated Installation >40', Add	*5.03*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	16.65	6.10
		For Seal Class B, Add	*1.65*	
		For Seal Class A, Add	*4.39*	
		For Up To 20', Add	*1.70*	
		For >20' To 50', Add	*0.68*	
		For >200' To 500', Deduct	*-0.43*	
		For >500', Deduct	*-0.71*	
		For 28 Gauge, Deduct	*-0.79*	
		For 24 Gauge, Add	*0.78*	
		For 22 Gauge, Add	*1.56*	
		For 20 Gauge, Add	*2.35*	
		For 18 Gauge, Add	*3.12*	
		For 16 Gauge, Add	*3.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.20*	
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.84*	
		For Elevated Installation >30' To 35', Add	*4.39*	
		For Elevated Installation >35' To 40', Add	*5.49*	
		For Elevated Installation >40', Add	*6.03*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	20.36	8.18
		For Seal Class B, Add	*2.06*	
		For Seal Class A, Add	*5.49*	
		For Up To 20', Add	*1.99*	
		For >20' To 50', Add	*0.80*	
		For >200' To 500', Deduct	*-0.50*	
		For >500', Deduct	*-0.83*	
		For 28 Gauge, Deduct	*-0.92*	
		For 24 Gauge, Add	*0.92*	
		For 22 Gauge, Add	*1.83*	
		For 20 Gauge, Add	*2.75*	
		For 18 Gauge, Add	*3.65*	
		For 16 Gauge, Add	*4.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.91*	
		For Work In Restricted Working Space, Add	*4.12*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.74*	
		For Elevated Installation >20' To 25', Add	*3.43*	
		For Elevated Installation >25' To 30', Add	*4.80*	
		For Elevated Installation >30' To 35', Add	*5.49*	
		For Elevated Installation >35' To 40', Add	*6.86*	
		For Elevated Installation >40', Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	24.70	12.19
		For Seal Class B, Add	*2.57*	
		For Seal Class A, Add	*6.86*	
		For Up To 20', Add	*2.26*	
		For >20' To 50', Add	*0.90*	
		For >200' To 500', Deduct	*-0.57*	
		For >500', Deduct	*-0.94*	
		For 28 Gauge, Deduct	*-1.04*	
		For 24 Gauge, Add	*1.04*	
		For 22 Gauge, Add	*2.08*	
		For 20 Gauge, Add	*3.12*	
		For 18 Gauge, Add	*4.15*	
		For 16 Gauge, Add	*5.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.58*	
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.43*	
		For Elevated Installation >20' To 25', Add	*4.29*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.86*	
		For Elevated Installation >35' To 40', Add	*8.58*	
		For Elevated Installation >40', Add	*9.44*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	33.23	16.34
		For Seal Class B, Add	*3.43*	
		For Seal Class A, Add	*9.15*	
		For Up To 20', Add	*3.11*	
		For >20' To 50', Add	*1.24*	
		For >200' To 500', Deduct	*-0.78*	
		For >500', Deduct	*-1.30*	
		For 28 Gauge, Deduct	*-1.43*	
		For 24 Gauge, Add	*1.43*	
		For 22 Gauge, Add	*2.85*	
		For 20 Gauge, Add	*4.29*	
		For 18 Gauge, Add	*5.70*	
		For 16 Gauge, Add	*6.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.67*	
		For Work In Restricted Working Space, Add	*6.86*	
		For Elevated Installation >10' To 15', Add	*2.29*	
		For Elevated Installation >15' To 20', Add	*4.57*	
		For Elevated Installation >20' To 25', Add	*5.72*	
		For Elevated Installation >25' To 30', Add	*8.00*	
		For Elevated Installation >30' To 35', Add	*9.15*	
		For Elevated Installation >35' To 40', Add	*11.44*	
		For Elevated Installation >40', Add	*12.58*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	47.47	19.63
		For Up To 20', Add	*6.01*	
		For >20' To 50', Add	*2.40*	
		For >200' To 500', Deduct	*-1.50*	
		For >500', Deduct	*-2.50*	
		For 28 Gauge, Deduct	*-2.77*	
		For 24 Gauge, Add	*2.76*	
		For 22 Gauge, Add	*5.52*	
		For 20 Gauge, Add	*8.29*	
		For 18 Gauge, Add	*11.01*	
		For 16 Gauge, Add	*13.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.81*	
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.49*	
		For Elevated Installation >20' To 25', Add	*6.86*	
		For Elevated Installation >25' To 30', Add	*9.61*	
		For Elevated Installation >30' To 35', Add	*10.98*	
		For Elevated Installation >35' To 40', Add	*13.73*	
		For Elevated Installation >40', Add	*15.10*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	54.07	22.68
		For Up To 20', Add	*6.71*	
		For >20' To 50', Add	*2.68*	
		For >200' To 500', Deduct	*-1.68*	
		For >500', Deduct	*-2.79*	
		For 28 Gauge, Deduct	*-3.10*	
		For 24 Gauge, Add	*3.08*	
		For 22 Gauge, Add	*6.16*	
		For 20 Gauge, Add	*9.25*	
		For 18 Gauge, Add	*12.29*	
		For 16 Gauge, Add	*15.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.54*	
		For Work In Restricted Working Space, Add	*9.52*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.69*	
		For Elevated Installation >35' To 40', Add	*15.86*	
		For Elevated Installation >40', Add	*17.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0014		Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)* Note: Up to 90 degree.		
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	39.16	16.28
		For Seal Class B, Add	*4.88*	
		For Seal Class A, Add	*13.02*	
		For 28 Gauge, Deduct	*-0.91*	
		For 24 Gauge, Add	*0.91*	
		For 22 Gauge, Add	*1.82*	
		For 20 Gauge, Add	*2.73*	
		For 18 Gauge, Add	*3.63*	
		For 16 Gauge, Add	*4.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.88*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	44.75	18.79
		For Seal Class B, Add	*5.64*	
		For Seal Class A, Add	*15.03*	
		For 28 Gauge, Deduct	*-0.99*	
		For 24 Gauge, Add	*0.99*	
		For 22 Gauge, Add	*1.98*	
		For 20 Gauge, Add	*2.97*	
		For 18 Gauge, Add	*3.95*	
		For 16 Gauge, Add	*4.85*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.31*	
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.03*	
		For Elevated Installation >35' To 40', Add	*18.79*	
		For Elevated Installation >40', Add	*20.66*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	52.47	22.20
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*17.76*	
		For 28 Gauge, Deduct	*-1.12*	
		For 24 Gauge, Add	*1.12*	
		For 22 Gauge, Add	*2.23*	
		For 20 Gauge, Add	*3.35*	
		For 18 Gauge, Add	*4.44*	
		For 16 Gauge, Add	*5.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.98*	
		For Work In Restricted Working Space, Add	*13.32*	
		For Elevated Installation >10' To 15', Add	*4.44*	
		For Elevated Installation >15' To 20', Add	*8.88*	
		For Elevated Installation >20' To 25', Add	*11.10*	
		For Elevated Installation >25' To 30', Add	*15.54*	
		For Elevated Installation >30' To 35', Add	*17.76*	
		For Elevated Installation >35' To 40', Add	*22.20*	
		For Elevated Installation >40', Add	*24.41*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	67.00	28.54
		For Seal Class B, Add	*8.56*	
		For Seal Class A, Add	*22.83*	
		For 28 Gauge, Deduct	*-1.37*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.73*	
		For 20 Gauge, Add	*4.11*	
		For 18 Gauge, Add	*5.46*	
		For 16 Gauge, Add	*6.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.34*	
		For Work In Restricted Working Space, Add	*17.12*	
		For Elevated Installation >10' To 15', Add	*5.71*	
		For Elevated Installation >15' To 20', Add	*11.42*	
		For Elevated Installation >20' To 25', Add	*14.27*	
		For Elevated Installation >25' To 30', Add	*19.98*	
		For Elevated Installation >30' To 35', Add	*22.83*	
		For Elevated Installation >35' To 40', Add	*28.54*	
		For Elevated Installation >40', Add	*31.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	80.24	34.76
		For Seal Class B, Add	*10.43*	
		For Seal Class A, Add	*27.81*	
		For 28 Gauge, Deduct	*-1.48*	
		For 24 Gauge, Add	*1.48*	
		For 22 Gauge, Add	*2.95*	
		For 20 Gauge, Add	*4.44*	
		For 18 Gauge, Add	*5.90*	
		For 16 Gauge, Add	*7.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.93*	
		For Work In Restricted Working Space, Add	*20.86*	
		For Elevated Installation >10' To 15', Add	*6.95*	
		For Elevated Installation >15' To 20', Add	*13.90*	
		For Elevated Installation >20' To 25', Add	*17.38*	
		For Elevated Installation >25' To 30', Add	*24.33*	
		For Elevated Installation >30' To 35', Add	*27.81*	
		For Elevated Installation >35' To 40', Add	*34.76*	
		For Elevated Installation >40', Add	*38.24*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	122.70	54.28
		For Seal Class B, Add	*16.28*	
		For Seal Class A, Add	*43.42*	
		For 28 Gauge, Deduct	*-1.96*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*3.90*	
		For 20 Gauge, Add	*5.86*	
		For 18 Gauge, Add	*7.78*	
		For 16 Gauge, Add	*9.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.47*	
		For Work In Restricted Working Space, Add	*32.57*	
		For Elevated Installation >10' To 15', Add	*10.86*	
		For Elevated Installation >15' To 20', Add	*21.71*	
		For Elevated Installation >20' To 25', Add	*27.14*	
		For Elevated Installation >25' To 30', Add	*37.99*	
		For Elevated Installation >30' To 35', Add	*43.42*	
		For Elevated Installation >35' To 40', Add	*54.28*	
		For Elevated Installation >40', Add	*59.70*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	169.19	75.01
		For Seal Class B, Add	*22.50*	
		For Seal Class A, Add	*60.01*	
		For 28 Gauge, Deduct	*-2.66*	
		For 24 Gauge, Add	*2.65*	
		For 22 Gauge, Add	*5.28*	
		For 20 Gauge, Add	*7.94*	
		For 18 Gauge, Add	*10.54*	
		For 16 Gauge, Add	*12.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.19*	
		For Work In Restricted Working Space, Add	*45.01*	
		For Elevated Installation >10' To 15', Add	*15.00*	
		For Elevated Installation >15' To 20', Add	*30.00*	
		For Elevated Installation >20' To 25', Add	*37.51*	
		For Elevated Installation >25' To 30', Add	*52.51*	
		For Elevated Installation >30' To 35', Add	*60.01*	
		For Elevated Installation >35' To 40', Add	*75.01*	
		For Elevated Installation >40', Add	*82.51*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	206.85	88.73
		For Seal Class B, Add	*26.62*	
		For Seal Class A, Add	*70.99*	
		For 28 Gauge, Deduct	*-4.07*	
		For 24 Gauge, Add	*4.05*	
		For 22 Gauge, Add	*8.09*	
		For 20 Gauge, Add	*12.16*	
		For 18 Gauge, Add	*16.16*	
		For 16 Gauge, Add	*19.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.74*	
		For Work In Restricted Working Space, Add	*53.24*	
		For Elevated Installation >10' To 15', Add	*17.75*	
		For Elevated Installation >15' To 20', Add	*35.49*	
		For Elevated Installation >20' To 25', Add	*44.37*	
		For Elevated Installation >25' To 30', Add	*62.11*	
		For Elevated Installation >30' To 35', Add	*70.99*	
		For Elevated Installation >35' To 40', Add	*88.74*	
		For Elevated Installation >40', Add	*97.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	237.26	97.57
		For Seal Class B, Add	*29.27*	
		For Seal Class A, Add	*78.06*	
		For 28 Gauge, Deduct	*-5.83*	
		For 24 Gauge, Add	*5.81*	
		For 22 Gauge, Add	*11.60*	
		For 20 Gauge, Add	*17.43*	
		For 18 Gauge, Add	*23.16*	
		For 16 Gauge, Add	*28.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.16*	
		For Work In Restricted Working Space, Add	*58.55*	
		For Elevated Installation >10' To 15', Add	*19.52*	
		For Elevated Installation >15' To 20', Add	*39.03*	
		For Elevated Installation >20' To 25', Add	*48.79*	
		For Elevated Installation >25' To 30', Add	*68.30*	
		For Elevated Installation >30' To 35', Add	*78.06*	
		For Elevated Installation >35' To 40', Add	*97.58*	
		For Elevated Installation >40', Add	*107.33*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	266.13	101.54
		For Seal Class B, Add	*30.46*	
		For Seal Class A, Add	*81.23*	
		For 28 Gauge, Deduct	*-8.73*	
		For 24 Gauge, Add	*8.70*	
		For 22 Gauge, Add	*17.37*	
		For 20 Gauge, Add	*26.10*	
		For 18 Gauge, Add	*34.68*	
		For 16 Gauge, Add	*42.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.66*	
		For Work In Restricted Working Space, Add	*60.92*	
		For Elevated Installation >10' To 15', Add	*20.31*	
		For Elevated Installation >15' To 20', Add	*40.62*	
		For Elevated Installation >20' To 25', Add	*50.77*	
		For Elevated Installation >25' To 30', Add	*71.08*	
		For Elevated Installation >30' To 35', Add	*81.23*	
		For Elevated Installation >35' To 40', Add	*101.54*	
		For Elevated Installation >40', Add	*111.69*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	293.85	104.89
		For Seal Class B, Add	*31.47*	
		For Seal Class A, Add	*83.91*	
		For 28 Gauge, Deduct	*-11.64*	
		For 24 Gauge, Add	*11.60*	
		For 22 Gauge, Add	*23.16*	
		For 20 Gauge, Add	*34.80*	
		For 18 Gauge, Add	*46.24*	
		For 16 Gauge, Add	*56.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.21*	
		For Work In Restricted Working Space, Add	*62.93*	
		For Elevated Installation >10' To 15', Add	*20.98*	
		For Elevated Installation >15' To 20', Add	*41.96*	
		For Elevated Installation >20' To 25', Add	*52.45*	
		For Elevated Installation >25' To 30', Add	*73.42*	
		For Elevated Installation >30' To 35', Add	*83.91*	
		For Elevated Installation >35' To 40', Add	*104.89*	
		For Elevated Installation >40', Add	*115.38*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	33.00	10.97
		For Seal Class B, Add	*4.12*	
		For Seal Class A, Add	*10.98*	
		For 28 Gauge, Deduct	*-0.77*	
		For 24 Gauge, Add	*0.77*	
		For 22 Gauge, Add	*1.53*	
		For 20 Gauge, Add	*2.30*	
		For 18 Gauge, Add	*3.05*	
		For 16 Gauge, Add	*3.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.49*	
		For Elevated Installation >20' To 25', Add	*6.86*	
		For Elevated Installation >25' To 30', Add	*9.61*	
		For Elevated Installation >30' To 35', Add	*10.98*	
		For Elevated Installation >35' To 40', Add	*13.73*	
		For Elevated Installation >40', Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	37.68	12.57
		For Seal Class B, Add	*4.70*	
		For Seal Class A, Add	*12.54*	
		For 28 Gauge, Deduct	*-0.88*	
		For 24 Gauge, Add	*0.87*	
		For 22 Gauge, Add	*1.74*	
		For 20 Gauge, Add	*2.62*	
		For 18 Gauge, Add	*3.48*	
		For 16 Gauge, Add	*4.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.41*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.27*	
		For Elevated Installation >20' To 25', Add	*7.84*	
		For Elevated Installation >25' To 30', Add	*10.98*	
		For Elevated Installation >30' To 35', Add	*12.54*	
		For Elevated Installation >35' To 40', Add	*15.68*	
		For Elevated Installation >40', Add	*17.25*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	43.79	14.64
		For Seal Class B, Add	*5.49*	
		For Seal Class A, Add	*14.64*	
		For 28 Gauge, Deduct	*-1.00*	
		For 24 Gauge, Add	*0.99*	
		For 22 Gauge, Add	*1.98*	
		For 20 Gauge, Add	*2.98*	
		For 18 Gauge, Add	*3.96*	
		For 16 Gauge, Add	*4.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.33*	
		For Work In Restricted Working Space, Add	*10.98*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.32*	
		For Elevated Installation >20' To 25', Add	*9.15*	
		For Elevated Installation >25' To 30', Add	*12.81*	
		For Elevated Installation >30' To 35', Add	*14.64*	
		For Elevated Installation >35' To 40', Add	*18.30*	
		For Elevated Installation >40', Add	*20.12*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	51.54	17.56
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*17.56*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.05*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.16*	
		For 18 Gauge, Add	*4.20*	
		For 16 Gauge, Add	*5.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.65*	
		For Work In Restricted Working Space, Add	*13.17*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.78*	
		For Elevated Installation >20' To 25', Add	*10.98*	
		For Elevated Installation >25' To 30', Add	*15.37*	
		For Elevated Installation >30' To 35', Add	*17.56*	
		For Elevated Installation >35' To 40', Add	*21.96*	
		For Elevated Installation >40', Add	*24.15*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	63.73	21.96
		For Seal Class B, Add	*8.23*	
		For Seal Class A, Add	*21.95*	
		For 28 Gauge, Deduct	*-1.23*	
		For 24 Gauge, Add	*1.22*	
		For 22 Gauge, Add	*2.44*	
		For 20 Gauge, Add	*3.66*	
		For 18 Gauge, Add	*4.87*	
		For 16 Gauge, Add	*5.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.55*	
		For Work In Restricted Working Space, Add	*16.46*	
		For Elevated Installation >10' To 15', Add	*5.49*	
		For Elevated Installation >15' To 20', Add	*10.98*	
		For Elevated Installation >20' To 25', Add	*13.72*	
		For Elevated Installation >25' To 30', Add	*19.21*	
		For Elevated Installation >30' To 35', Add	*21.95*	
		For Elevated Installation >35' To 40', Add	*27.44*	
		For Elevated Installation >40', Add	*30.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	85.83	29.27
		For Seal Class B, Add	*10.98*	
		For Seal Class A, Add	*29.27*	
		For 28 Gauge, Deduct	*-1.75*	
		For 24 Gauge, Add	*1.75*	
		For 22 Gauge, Add	*3.49*	
		For 20 Gauge, Add	*5.24*	
		For 18 Gauge, Add	*6.96*	
		For 16 Gauge, Add	*8.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.36*	
		For Work In Restricted Working Space, Add	*21.95*	
		For Elevated Installation >10' To 15', Add	*7.32*	
		For Elevated Installation >15' To 20', Add	*14.64*	
		For Elevated Installation >20' To 25', Add	*18.30*	
		For Elevated Installation >25' To 30', Add	*25.61*	
		For Elevated Installation >30' To 35', Add	*29.27*	
		For Elevated Installation >35' To 40', Add	*36.59*	
		For Elevated Installation >40', Add	*40.25*	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	126.52	43.91
		For Seal Class B, Add	*16.47*	
		For Seal Class A, Add	*43.91*	
		For 28 Gauge, Deduct	*-2.32*	
		For 24 Gauge, Add	*2.31*	
		For 22 Gauge, Add	*4.61*	
		For 20 Gauge, Add	*6.93*	
		For 18 Gauge, Add	*9.21*	
		For 16 Gauge, Add	*11.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.39*	
		For Work In Restricted Working Space, Add	*32.93*	
		For Elevated Installation >10' To 15', Add	*10.98*	
		For Elevated Installation >15' To 20', Add	*21.96*	
		For Elevated Installation >20' To 25', Add	*27.45*	
		For Elevated Installation >25' To 30', Add	*38.42*	
		For Elevated Installation >30' To 35', Add	*43.91*	
		For Elevated Installation >35' To 40', Add	*54.89*	
		For Elevated Installation >40', Add	*60.38*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	171.59	56.10
		For Seal Class B, Add	*21.04*	
		For Seal Class A, Add	*56.10*	
		For 28 Gauge, Deduct	*-4.34*	
		For 24 Gauge, Add	*4.32*	
		For 22 Gauge, Add	*8.63*	
		For 20 Gauge, Add	*12.97*	
		For 18 Gauge, Add	*17.23*	
		For 16 Gauge, Add	*21.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.18*	
		For Work In Restricted Working Space, Add	*42.08*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.05*	
		For Elevated Installation >20' To 25', Add	*35.07*	
		For Elevated Installation >25' To 30', Add	*49.09*	
		For Elevated Installation >30' To 35', Add	*56.10*	
		For Elevated Installation >35' To 40', Add	*70.13*	
		For Elevated Installation >40', Add	*77.14*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	215.20	70.74
		For Seal Class B, Add	*26.53*	
		For Seal Class A, Add	*70.74*	
		For 28 Gauge, Deduct	*-5.31*	
		For 24 Gauge, Add	*5.29*	
		For 22 Gauge, Add	*10.56*	
		For 20 Gauge, Add	*15.87*	
		For 18 Gauge, Add	*21.09*	
		For 16 Gauge, Add	*25.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.37*	
		For Work In Restricted Working Space, Add	*53.06*	
		For Elevated Installation >10' To 15', Add	*17.69*	
		For Elevated Installation >15' To 20', Add	*35.37*	
		For Elevated Installation >20' To 25', Add	*44.22*	
		For Elevated Installation >25' To 30', Add	*61.90*	
		For Elevated Installation >30' To 35', Add	*70.74*	
		For Elevated Installation >35' To 40', Add	*88.43*	
		For Elevated Installation >40', Add	*97.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	243.72	73.79
		For Seal Class B, Add	*27.63*	
		For Seal Class A, Add	*73.67*	
		For 28 Gauge, Deduct	*-8.25*	
		For 24 Gauge, Add	*8.22*	
		For 22 Gauge, Add	*16.41*	
		For 20 Gauge, Add	*24.65*	
		For 18 Gauge, Add	*32.75*	
		For 16 Gauge, Add	*40.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.07*	
		For Work In Restricted Working Space, Add	*55.25*	
		For Elevated Installation >10' To 15', Add	*18.42*	
		For Elevated Installation >15' To 20', Add	*36.83*	
		For Elevated Installation >20' To 25', Add	*46.04*	
		For Elevated Installation >25' To 30', Add	*64.46*	
		For Elevated Installation >30' To 35', Add	*73.67*	
		For Elevated Installation >35' To 40', Add	*92.09*	
		For Elevated Installation >40', Add	*101.29*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	268.45	75.62
		For Seal Class B, Add	*28.36*	
		For Seal Class A, Add	*75.62*	
		For 28 Gauge, Deduct	*-11.00*	
		For 24 Gauge, Add	*10.96*	
		For 22 Gauge, Add	*21.87*	
		For 20 Gauge, Add	*32.87*	
		For 18 Gauge, Add	*43.67*	
		For 16 Gauge, Add	*53.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*58.76*	
		For Work In Restricted Working Space, Add	*56.72*	
		For Elevated Installation >10' To 15', Add	*18.91*	
		For Elevated Installation >15' To 20', Add	*37.81*	
		For Elevated Installation >20' To 25', Add	*47.26*	
		For Elevated Installation >25' To 30', Add	*66.17*	
		For Elevated Installation >30' To 35', Add	*75.62*	
		For Elevated Installation >35' To 40', Add	*94.53*	
		For Elevated Installation >40', Add	*103.98*	
23 31 13 16-0038		Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*		
23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	30.93	10.97
		For Seal Class B, Add	*4.12*	
		For Seal Class A, Add	*10.98*	
		For 28 Gauge, Deduct	*-0.48*	
		For 24 Gauge, Add	*0.48*	
		For 22 Gauge, Add	*0.96*	
		For 20 Gauge, Add	*1.44*	
		For 18 Gauge, Add	*1.91*	
		For 16 Gauge, Add	*2.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.58*	
		For Work In Restricted Working Space, Add	*8.24*	
		For Elevated Installation >10' To 15', Add	*2.75*	
		For Elevated Installation >15' To 20', Add	*5.49*	
		For Elevated Installation >20' To 25', Add	*6.86*	
		For Elevated Installation >25' To 30', Add	*9.61*	
		For Elevated Installation >30' To 35', Add	*10.98*	
		For Elevated Installation >35' To 40', Add	*13.73*	
		For Elevated Installation >40', Add	*15.10*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	35.84	12.57
		For Seal Class B, Add	*4.70*	
		For Seal Class A, Add	*12.54*	
		For 28 Gauge, Deduct	*-0.62*	
		For 24 Gauge, Add	*0.62*	
		For 22 Gauge, Add	*1.23*	
		For 20 Gauge, Add	*1.85*	
		For 18 Gauge, Add	*2.46*	
		For 16 Gauge, Add	*3.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.32*	
		For Work In Restricted Working Space, Add	*9.41*	
		For Elevated Installation >10' To 15', Add	*3.14*	
		For Elevated Installation >15' To 20', Add	*6.27*	
		For Elevated Installation >20' To 25', Add	*7.84*	
		For Elevated Installation >25' To 30', Add	*10.98*	
		For Elevated Installation >30' To 35', Add	*12.54*	
		For Elevated Installation >35' To 40', Add	*15.68*	
		For Elevated Installation >40', Add	*17.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	41.47	14.64
		For Seal Class B, Add	*5.49*	
		For Seal Class A, Add	*14.64*	
		For 28 Gauge, Deduct	*-0.68*	
		For 24 Gauge, Add	*0.67*	
		For 22 Gauge, Add	*1.34*	
		For 20 Gauge, Add	*2.02*	
		For 18 Gauge, Add	*2.68*	
		For 16 Gauge, Add	*3.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.61*	
		For Work In Restricted Working Space, Add	*10.98*	
		For Elevated Installation >10' To 15', Add	*3.66*	
		For Elevated Installation >15' To 20', Add	*7.32*	
		For Elevated Installation >20' To 25', Add	*9.15*	
		For Elevated Installation >25' To 30', Add	*12.81*	
		For Elevated Installation >30' To 35', Add	*14.64*	
		For Elevated Installation >35' To 40', Add	*18.30*	
		For Elevated Installation >40', Add	*20.12*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	49.57	17.56
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*17.56*	
		For 28 Gauge, Deduct	*-0.78*	
		For 24 Gauge, Add	*0.78*	
		For 22 Gauge, Add	*1.56*	
		For 20 Gauge, Add	*2.34*	
		For 18 Gauge, Add	*3.11*	
		For 16 Gauge, Add	*3.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.19*	
		For Work In Restricted Working Space, Add	*13.17*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.78*	
		For Elevated Installation >20' To 25', Add	*10.98*	
		For Elevated Installation >25' To 30', Add	*15.37*	
		For Elevated Installation >30' To 35', Add	*17.56*	
		For Elevated Installation >35' To 40', Add	*21.96*	
		For Elevated Installation >40', Add	*24.15*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	61.32	21.96
		For Seal Class B, Add	*8.23*	
		For Seal Class A, Add	*21.95*	
		For 28 Gauge, Deduct	*-0.89*	
		For 24 Gauge, Add	*0.89*	
		For 22 Gauge, Add	*1.77*	
		For 20 Gauge, Add	*2.67*	
		For 18 Gauge, Add	*3.54*	
		For 16 Gauge, Add	*4.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.77*	
		For Work In Restricted Working Space, Add	*16.46*	
		For Elevated Installation >10' To 15', Add	*5.49*	
		For Elevated Installation >15' To 20', Add	*10.98*	
		For Elevated Installation >20' To 25', Add	*13.72*	
		For Elevated Installation >25' To 30', Add	*19.21*	
		For Elevated Installation >30' To 35', Add	*21.95*	
		For Elevated Installation >35' To 40', Add	*27.44*	
		For Elevated Installation >40', Add	*30.18*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	83.01	29.27
		For Seal Class B, Add	*10.98*	
		For Seal Class A, Add	*29.27*	
		For 28 Gauge, Deduct	*-1.36*	
		For 24 Gauge, Add	*1.36*	
		For 22 Gauge, Add	*2.71*	
		For 20 Gauge, Add	*4.07*	
		For 18 Gauge, Add	*5.41*	
		For 16 Gauge, Add	*6.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.27*	
		For Work In Restricted Working Space, Add	*21.95*	
		For Elevated Installation >10' To 15', Add	*7.32*	
		For Elevated Installation >15' To 20', Add	*14.64*	
		For Elevated Installation >20' To 25', Add	*18.30*	
		For Elevated Installation >25' To 30', Add	*25.61*	
		For Elevated Installation >30' To 35', Add	*29.27*	
		For Elevated Installation >35' To 40', Add	*36.59*	
		For Elevated Installation >40', Add	*40.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	122.43	43.91
		For Seal Class B, Add	*16.47*	
		For Seal Class A, Add	*43.91*	
		For 28 Gauge, Deduct	*-1.75*	
		For 24 Gauge, Add	*1.75*	
		For 22 Gauge, Add	*3.49*	
		For 20 Gauge, Add	*5.24*	
		For 18 Gauge, Add	*6.96*	
		For 16 Gauge, Add	*8.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.36*	
		For Work In Restricted Working Space, Add	*32.93*	
		For Elevated Installation >10' To 15', Add	*10.98*	
		For Elevated Installation >15' To 20', Add	*21.96*	
		For Elevated Installation >20' To 25', Add	*27.45*	
		For Elevated Installation >25' To 30', Add	*38.42*	
		For Elevated Installation >30' To 35', Add	*43.91*	
		For Elevated Installation >35' To 40', Add	*54.89*	
		For Elevated Installation >40', Add	*60.38*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	162.15	56.10
		For Seal Class B, Add	*21.04*	
		For Seal Class A, Add	*56.10*	
		For 28 Gauge, Deduct	*-3.03*	
		For 24 Gauge, Add	*3.02*	
		For 22 Gauge, Add	*6.03*	
		For 20 Gauge, Add	*9.06*	
		For 18 Gauge, Add	*12.04*	
		For 16 Gauge, Add	*14.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.20*	
		For Work In Restricted Working Space, Add	*42.08*	
		For Elevated Installation >10' To 15', Add	*14.03*	
		For Elevated Installation >15' To 20', Add	*28.05*	
		For Elevated Installation >20' To 25', Add	*35.07*	
		For Elevated Installation >25' To 30', Add	*49.09*	
		For Elevated Installation >30' To 35', Add	*56.10*	
		For Elevated Installation >35' To 40', Add	*70.13*	
		For Elevated Installation >40', Add	*77.14*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	212.76	70.74
		For Seal Class B, Add	*26.53*	
		For Seal Class A, Add	*70.74*	
		For 28 Gauge, Deduct	*-4.97*	
		For 24 Gauge, Add	*4.95*	
		For 22 Gauge, Add	*9.89*	
		For 20 Gauge, Add	*14.86*	
		For 18 Gauge, Add	*19.75*	
		For 16 Gauge, Add	*24.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.57*	
		For Work In Restricted Working Space, Add	*53.06*	
		For Elevated Installation >10' To 15', Add	*17.69*	
		For Elevated Installation >15' To 20', Add	*35.37*	
		For Elevated Installation >20' To 25', Add	*44.22*	
		For Elevated Installation >25' To 30', Add	*61.90*	
		For Elevated Installation >30' To 35', Add	*70.74*	
		For Elevated Installation >35' To 40', Add	*88.43*	
		For Elevated Installation >40', Add	*97.27*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	227.57	73.79
		For Seal Class B, Add	*27.63*	
		For Seal Class A, Add	*73.67*	
		For 28 Gauge, Deduct	*-6.01*	
		For 24 Gauge, Add	*5.99*	
		For 22 Gauge, Add	*11.96*	
		For 20 Gauge, Add	*17.97*	
		For 18 Gauge, Add	*23.87*	
		For 16 Gauge, Add	*29.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.12*	
		For Work In Restricted Working Space, Add	*55.25*	
		For Elevated Installation >10' To 15', Add	*18.42*	
		For Elevated Installation >15' To 20', Add	*36.83*	
		For Elevated Installation >20' To 25', Add	*46.04*	
		For Elevated Installation >25' To 30', Add	*64.46*	
		For Elevated Installation >30' To 35', Add	*73.67*	
		For Elevated Installation >35' To 40', Add	*92.09*	
		For Elevated Installation >40', Add	*101.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	244.65	75.62
		For Seal Class B, Add	*28.36*	
		For Seal Class A, Add	*75.62*	
		For 28 Gauge, Deduct	*-7.70*	
		For 24 Gauge, Add	*7.67*	
		For 22 Gauge, Add	*15.32*	
		For 20 Gauge, Add	*23.02*	
		For 18 Gauge, Add	*30.58*	
		For 16 Gauge, Add	*37.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.14*	
		For Work In Restricted Working Space, Add	*56.72*	
		For Elevated Installation >10' To 15', Add	*18.91*	
		For Elevated Installation >15' To 20', Add	*37.81*	
		For Elevated Installation >20' To 25', Add	*47.26*	
		For Elevated Installation >25' To 30', Add	*66.17*	
		For Elevated Installation >30' To 35', Add	*75.62*	
		For Elevated Installation >35' To 40', Add	*94.53*	
		For Elevated Installation >40', Add	*103.98*	
23 31 13 16-0050		Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*		
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	48.92	16.46
		For Seal Class B, Add	*6.17*	
		For Seal Class A, Add	*16.46*	
		For 28 Gauge, Deduct	*-1.07*	
		For 24 Gauge, Add	*1.07*	
		For 22 Gauge, Add	*2.14*	
		For 20 Gauge, Add	*3.21*	
		For 18 Gauge, Add	*4.27*	
		For 16 Gauge, Add	*5.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.74*	
		For Work In Restricted Working Space, Add	*12.35*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.23*	
		For Elevated Installation >20' To 25', Add	*10.29*	
		For Elevated Installation >25' To 30', Add	*14.41*	
		For Elevated Installation >30' To 35', Add	*16.46*	
		For Elevated Installation >35' To 40', Add	*20.58*	
		For Elevated Installation >40', Add	*22.64*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	57.36	18.79
		For Seal Class B, Add	*7.06*	
		For Seal Class A, Add	*18.82*	
		For 28 Gauge, Deduct	*-1.43*	
		For 24 Gauge, Add	*1.42*	
		For 22 Gauge, Add	*2.84*	
		For 20 Gauge, Add	*4.27*	
		For 18 Gauge, Add	*5.67*	
		For 16 Gauge, Add	*6.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.63*	
		For Work In Restricted Working Space, Add	*14.12*	
		For Elevated Installation >10' To 15', Add	*4.71*	
		For Elevated Installation >15' To 20', Add	*9.41*	
		For Elevated Installation >20' To 25', Add	*11.76*	
		For Elevated Installation >25' To 30', Add	*16.47*	
		For Elevated Installation >30' To 35', Add	*18.82*	
		For Elevated Installation >35' To 40', Add	*23.53*	
		For Elevated Installation >40', Add	*25.88*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	66.07	21.96
		For Seal Class B, Add	*8.23*	
		For Seal Class A, Add	*21.95*	
		For 28 Gauge, Deduct	*-1.55*	
		For 24 Gauge, Add	*1.54*	
		For 22 Gauge, Add	*3.08*	
		For 20 Gauge, Add	*4.63*	
		For 18 Gauge, Add	*6.15*	
		For 16 Gauge, Add	*7.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.28*	
		For Work In Restricted Working Space, Add	*16.46*	
		For Elevated Installation >10' To 15', Add	*5.49*	
		For Elevated Installation >15' To 20', Add	*10.98*	
		For Elevated Installation >20' To 25', Add	*13.72*	
		For Elevated Installation >25' To 30', Add	*19.21*	
		For Elevated Installation >30' To 35', Add	*21.95*	
		For Elevated Installation >35' To 40', Add	*27.44*	
		For Elevated Installation >40', Add	*30.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	78.74	26.35
		For Seal Class B, Add	*9.88*	
		For Seal Class A, Add	*26.34*	
		For 28 Gauge, Deduct	*-1.78*	
		For 24 Gauge, Add	*1.78*	
		For 22 Gauge, Add	*3.55*	
		For 20 Gauge, Add	*5.33*	
		For 18 Gauge, Add	*7.08*	
		For 16 Gauge, Add	*8.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.53*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.17*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.05*	
		For Elevated Installation >30' To 35', Add	*26.34*	
		For Elevated Installation >35' To 40', Add	*32.93*	
		For Elevated Installation >40', Add	*36.22*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	103.16	32.93
		For Seal Class B, Add	*12.35*	
		For Seal Class A, Add	*32.94*	
		For 28 Gauge, Deduct	*-2.88*	
		For 24 Gauge, Add	*2.87*	
		For 22 Gauge, Add	*5.74*	
		For 20 Gauge, Add	*8.62*	
		For 18 Gauge, Add	*11.45*	
		For 16 Gauge, Add	*14.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.41*	
		For Work In Restricted Working Space, Add	*24.70*	
		For Elevated Installation >10' To 15', Add	*8.23*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.17*	
		For Elevated Installation >40', Add	*45.29*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	136.34	43.91
		For Seal Class B, Add	*16.47*	
		For Seal Class A, Add	*43.91*	
		For 28 Gauge, Deduct	*-3.68*	
		For 24 Gauge, Add	*3.67*	
		For 22 Gauge, Add	*7.32*	
		For 20 Gauge, Add	*11.00*	
		For 18 Gauge, Add	*14.61*	
		For 16 Gauge, Add	*17.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.65*	
		For Work In Restricted Working Space, Add	*32.93*	
		For Elevated Installation >10' To 15', Add	*10.98*	
		For Elevated Installation >15' To 20', Add	*21.96*	
		For Elevated Installation >20' To 25', Add	*27.45*	
		For Elevated Installation >25' To 30', Add	*38.42*	
		For Elevated Installation >30' To 35', Add	*43.91*	
		For Elevated Installation >35' To 40', Add	*54.89*	
		For Elevated Installation >40', Add	*60.38*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	191.19	65.87
		For Seal Class B, Add	*24.69*	
		For Seal Class A, Add	*65.85*	
		For 28 Gauge, Deduct	*-3.68*	
		For 24 Gauge, Add	*3.67*	
		For 22 Gauge, Add	*7.32*	
		For 20 Gauge, Add	*11.00*	
		For 18 Gauge, Add	*14.61*	
		For 16 Gauge, Add	*17.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.65*	
		For Work In Restricted Working Space, Add	*49.39*	
		For Elevated Installation >10' To 15', Add	*16.46*	
		For Elevated Installation >15' To 20', Add	*32.93*	
		For Elevated Installation >20' To 25', Add	*41.16*	
		For Elevated Installation >25' To 30', Add	*57.62*	
		For Elevated Installation >30' To 35', Add	*65.85*	
		For Elevated Installation >35' To 40', Add	*82.32*	
		For Elevated Installation >40', Add	*90.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	260.89	83.91
		For Seal Class B, Add	*31.54*	
		For Seal Class A, Add	*84.12*	
		For 28 Gauge, Deduct	*-7.01*	
		For 24 Gauge, Add	*6.98*	
		For 22 Gauge, Add	*13.94*	
		For 20 Gauge, Add	*20.95*	
		For 18 Gauge, Add	*27.83*	
		For 16 Gauge, Add	*34.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.44*	
		For Work In Restricted Working Space, Add	*63.09*	
		For Elevated Installation >10' To 15', Add	*21.03*	
		For Elevated Installation >15' To 20', Add	*42.06*	
		For Elevated Installation >20' To 25', Add	*52.57*	
		For Elevated Installation >25' To 30', Add	*73.60*	
		For Elevated Installation >30' To 35', Add	*84.12*	
		For Elevated Installation >35' To 40', Add	*105.15*	
		For Elevated Installation >40', Add	*115.66*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	336.18	106.35
		For Seal Class B, Add	*39.77*	
		For Seal Class A, Add	*106.06*	
		For 28 Gauge, Deduct	*-9.84*	
		For 24 Gauge, Add	*9.80*	
		For 22 Gauge, Add	*19.57*	
		For 20 Gauge, Add	*29.41*	
		For 18 Gauge, Add	*39.07*	
		For 16 Gauge, Add	*47.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.56*	
		For Work In Restricted Working Space, Add	*79.55*	
		For Elevated Installation >10' To 15', Add	*26.52*	
		For Elevated Installation >15' To 20', Add	*53.03*	
		For Elevated Installation >20' To 25', Add	*66.29*	
		For Elevated Installation >25' To 30', Add	*92.80*	
		For Elevated Installation >30' To 35', Add	*106.06*	
		For Elevated Installation >35' To 40', Add	*132.58*	
		For Elevated Installation >40', Add	*145.83*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	386.87	118.31
		For Seal Class B, Add	*44.46*	
		For Seal Class A, Add	*118.55*	
		For 28 Gauge, Deduct	*-12.53*	
		For 24 Gauge, Add	*12.49*	
		For 22 Gauge, Add	*24.93*	
		For 20 Gauge, Add	*37.46*	
		For 18 Gauge, Add	*49.77*	
		For 16 Gauge, Add	*61.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.96*	
		For Work In Restricted Working Space, Add	*88.91*	
		For Elevated Installation >10' To 15', Add	*29.64*	
		For Elevated Installation >15' To 20', Add	*59.28*	
		For Elevated Installation >20' To 25', Add	*74.10*	
		For Elevated Installation >25' To 30', Add	*103.73*	
		For Elevated Installation >30' To 35', Add	*118.55*	
		For Elevated Installation >35' To 40', Add	*148.19*	
		For Elevated Installation >40', Add	*163.01*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	406.55	122.58
		For Seal Class B, Add	*45.92*	
		For Seal Class A, Add	*122.46*	
		For 28 Gauge, Deduct	*-13.91*	
		For 24 Gauge, Add	*13.86*	
		For 22 Gauge, Add	*27.66*	
		For 20 Gauge, Add	*41.57*	
		For 18 Gauge, Add	*55.23*	
		For 16 Gauge, Add	*67.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*74.30*	
		For Work In Restricted Working Space, Add	*91.84*	
		For Elevated Installation >10' To 15', Add	*30.61*	
		For Elevated Installation >15' To 20', Add	*61.23*	
		For Elevated Installation >20' To 25', Add	*76.54*	
		For Elevated Installation >25' To 30', Add	*107.15*	
		For Elevated Installation >30' To 35', Add	*122.46*	
		For Elevated Installation >35' To 40', Add	*153.07*	
		For Elevated Installation >40', Add	*168.38*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	22.12	
		For Seal Class B, Add	*2.93*	
		For Seal Class A, Add	*7.80*	
		For Work In Restricted Working Space, Add	*5.85*	
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.90*	
		For Elevated Installation >20' To 25', Add	*4.88*	
		For Elevated Installation >25' To 30', Add	*6.83*	
		For Elevated Installation >30' To 35', Add	*7.80*	
		For Elevated Installation >35' To 40', Add	*9.76*	
		For Elevated Installation >40', Add	*10.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	23.31	
		For Seal Class B, Add	*3.08*	
		For Seal Class A, Add	*8.20*	
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	24.98	
		For Seal Class B, Add	*3.29*	
		For Seal Class A, Add	*8.78*	
		For Work In Restricted Working Space, Add	*6.59*	
		For Elevated Installation >10' To 15', Add	*2.20*	
		For Elevated Installation >15' To 20', Add	*4.39*	
		For Elevated Installation >20' To 25', Add	*5.49*	
		For Elevated Installation >25' To 30', Add	*7.69*	
		For Elevated Installation >30' To 35', Add	*8.78*	
		For Elevated Installation >35' To 40', Add	*10.98*	
		For Elevated Installation >40', Add	*12.08*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.62	
		For Seal Class B, Add	*3.48*	
		For Seal Class A, Add	*9.27*	
		For Work In Restricted Working Space, Add	*6.95*	
		For Elevated Installation >10' To 15', Add	*2.32*	
		For Elevated Installation >15' To 20', Add	*4.64*	
		For Elevated Installation >20' To 25', Add	*5.80*	
		For Elevated Installation >25' To 30', Add	*8.11*	
		For Elevated Installation >30' To 35', Add	*9.27*	
		For Elevated Installation >35' To 40', Add	*11.59*	
		For Elevated Installation >40', Add	*12.75*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	28.89	
		For Seal Class B, Add	*3.75*	
		For Seal Class A, Add	*10.00*	
		For Work In Restricted Working Space, Add	*7.50*	
		For Elevated Installation >10' To 15', Add	*2.50*	
		For Elevated Installation >15' To 20', Add	*5.00*	
		For Elevated Installation >20' To 25', Add	*6.25*	
		For Elevated Installation >25' To 30', Add	*8.75*	
		For Elevated Installation >30' To 35', Add	*10.00*	
		For Elevated Installation >35' To 40', Add	*12.50*	
		For Elevated Installation >40', Add	*13.75*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	34.06	
		For Seal Class B, Add	*4.19*	
		For Seal Class A, Add	*11.17*	
		For Work In Restricted Working Space, Add	*8.38*	
		For Elevated Installation >10' To 15', Add	*2.79*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.98*	
		For Elevated Installation >25' To 30', Add	*9.78*	
		For Elevated Installation >30' To 35', Add	*11.17*	
		For Elevated Installation >35' To 40', Add	*13.97*	
		For Elevated Installation >40', Add	*15.36*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	46.43	
		For Seal Class B, Add	*5.86*	
		For Seal Class A, Add	*15.62*	
		For Work In Restricted Working Space, Add	*11.71*	
		For Elevated Installation >10' To 15', Add	*3.90*	
		For Elevated Installation >15' To 20', Add	*7.81*	
		For Elevated Installation >20' To 25', Add	*9.76*	
		For Elevated Installation >25' To 30', Add	*13.66*	
		For Elevated Installation >30' To 35', Add	*15.62*	
		For Elevated Installation >35' To 40', Add	*19.52*	
		For Elevated Installation >40', Add	*21.47*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	53.01	
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*17.76*	
		For Work In Restricted Working Space, Add	*13.32*	
		For Elevated Installation >10' To 15', Add	*4.44*	
		For Elevated Installation >15' To 20', Add	*8.88*	
		For Elevated Installation >20' To 25', Add	*11.10*	
		For Elevated Installation >25' To 30', Add	*15.54*	
		For Elevated Installation >30' To 35', Add	*17.76*	
		For Elevated Installation >35' To 40', Add	*22.21*	
		For Elevated Installation >40', Add	*24.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	58.30	
		For Seal Class B, Add	*7.30*	
		For Seal Class A, Add	*19.47*	
		For Work In Restricted Working Space, Add	*14.60*	
		For Elevated Installation >10' To 15', Add	*4.87*	
		For Elevated Installation >15' To 20', Add	*9.73*	
		For Elevated Installation >20' To 25', Add	*12.17*	
		For Elevated Installation >25' To 30', Add	*17.03*	
		For Elevated Installation >30' To 35', Add	*19.47*	
		For Elevated Installation >35' To 40', Add	*24.34*	
		For Elevated Installation >40', Add	*26.77*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	63.45	
		For Seal Class B, Add	*7.90*	
		For Seal Class A, Add	*21.08*	
		For Work In Restricted Working Space, Add	*15.81*	
		For Elevated Installation >10' To 15', Add	*5.27*	
		For Elevated Installation >15' To 20', Add	*10.54*	
		For Elevated Installation >20' To 25', Add	*13.17*	
		For Elevated Installation >25' To 30', Add	*18.44*	
		For Elevated Installation >30' To 35', Add	*21.08*	
		For Elevated Installation >35' To 40', Add	*26.35*	
		For Elevated Installation >40', Add	*28.98*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	69.13	
		For Seal Class B, Add	*8.62*	
		For Seal Class A, Add	*22.98*	
		For Work In Restricted Working Space, Add	*17.24*	
		For Elevated Installation >10' To 15', Add	*5.75*	
		For Elevated Installation >15' To 20', Add	*11.49*	
		For Elevated Installation >20' To 25', Add	*14.36*	
		For Elevated Installation >25' To 30', Add	*20.11*	
		For Elevated Installation >30' To 35', Add	*22.98*	
		For Elevated Installation >35' To 40', Add	*28.73*	
		For Elevated Installation >40', Add	*31.60*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	11.22	1.13
		For Seal Class B, Add	*0.90*	
		For Seal Class A, Add	*2.41*	
		For Up To 20', Add	*1.56*	
		For >20' To 50', Add	*0.62*	
		For >200' To 500', Deduct	*-0.39*	
		For >500', Deduct	*-0.65*	
		For 24 Gauge, Add	*1.04*	
		For 22 Gauge, Add	*2.39*	
		For 20 Gauge, Add	*3.89*	
		For 18 Gauge, Add	*5.97*	
		For 16 Gauge, Add	*7.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.84*	
		For Work In Restricted Working Space, Add	*1.81*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	14.75	2.25
		For Seal Class B, Add	*1.09*	
		For Seal Class A, Add	*2.90*	
		For Up To 20', Add	*2.25*	
		For >20' To 50', Add	*0.90*	
		For >200' To 500', Deduct	*-0.56*	
		For >500', Deduct	*-0.94*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*3.45*	
		For 20 Gauge, Add	*5.63*	
		For 18 Gauge, Add	*8.64*	
		For 16 Gauge, Add	*10.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.56*	
		For Work In Restricted Working Space, Add	*2.17*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	18.87	2.25
		For Seal Class B, Add	*1.35*	
		For Seal Class A, Add	*3.59*	
		For Up To 20', Add	*2.97*	
		For >20' To 50', Add	*1.19*	
		For >200' To 500', Deduct	*-0.74*	
		For >500', Deduct	*-1.24*	
		For 24 Gauge, Add	*1.98*	
		For 22 Gauge, Add	*4.55*	
		For 20 Gauge, Add	*7.43*	
		For 18 Gauge, Add	*11.39*	
		For 16 Gauge, Add	*13.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.33*	
		For Work In Restricted Working Space, Add	*2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	23.01	2.25
		For Seal Class B, Add	*1.62*	
		For Seal Class A, Add	*4.32*	
		For Up To 20', Add	*3.67*	
		For >20' To 50', Add	*1.47*	
		For >200' To 500', Deduct	*-0.92*	
		For >500', Deduct	*-1.53*	
		For 24 Gauge, Add	*2.44*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*9.17*	
		For 18 Gauge, Add	*14.05*	
		For 16 Gauge, Add	*17.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.04*	
		For Work In Restricted Working Space, Add	*3.24*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	28.54	3.37
		For Seal Class B, Add	*2.03*	
		For Seal Class A, Add	*5.40*	
		For Up To 20', Add	*4.51*	
		For >20' To 50', Add	*1.80*	
		For >200' To 500', Deduct	*-1.13*	
		For >500', Deduct	*-1.88*	
		For 24 Gauge, Add	*3.01*	
		For 22 Gauge, Add	*6.91*	
		For 20 Gauge, Add	*11.27*	
		For 18 Gauge, Add	*17.28*	
		For 16 Gauge, Add	*21.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.12*	
		For Work In Restricted Working Space, Add	*4.05*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	34.29	3.37
		For Seal Class B, Add	*2.53*	
		For Seal Class A, Add	*6.75*	
		For Up To 20', Add	*5.22*	
		For >20' To 50', Add	*2.09*	
		For >200' To 500', Deduct	*-1.31*	
		For >500', Deduct	*-2.18*	
		For 24 Gauge, Add	*3.48*	
		For 22 Gauge, Add	*8.01*	
		For 20 Gauge, Add	*13.06*	
		For 18 Gauge, Add	*20.02*	
		For 16 Gauge, Add	*24.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.88*	
		For Work In Restricted Working Space, Add	*5.06*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	47.77	3.37
		For Seal Class B, Add	*3.37*	
		For Seal Class A, Add	*8.99*	
		For Up To 20', Add	*7.59*	
		For >20' To 50', Add	*3.03*	
		For >200' To 500', Deduct	*-1.90*	
		For >500', Deduct	*-3.16*	
		For 24 Gauge, Add	*5.06*	
		For 22 Gauge, Add	*11.63*	
		For 20 Gauge, Add	*18.97*	
		For 18 Gauge, Add	*29.08*	
		For 16 Gauge, Add	*35.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.71*	
		For Work In Restricted Working Space, Add	*6.74*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	54.24	4.50
		For Seal Class B, Add	*3.93*	
		For Seal Class A, Add	*10.48*	
		For Up To 20', Add	*8.41*	
		For >20' To 50', Add	*3.36*	
		For >200' To 500', Deduct	*-2.10*	
		For >500', Deduct	*-3.51*	
		For 24 Gauge, Add	*5.61*	
		For 22 Gauge, Add	*12.90*	
		For 20 Gauge, Add	*21.03*	
		For 18 Gauge, Add	*32.25*	
		For 16 Gauge, Add	*39.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.75*	
		For Work In Restricted Working Space, Add	*7.86*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	61.04	4.50
		For Seal Class B, Add	*4.46*	
		For Seal Class A, Add	*11.90*	
		For Up To 20', Add	*9.38*	
		For >20' To 50', Add	*3.75*	
		For >200' To 500', Deduct	*-2.35*	
		For >500', Deduct	*-3.91*	
		For 24 Gauge, Add	*6.26*	
		For 22 Gauge, Add	*14.39*	
		For 20 Gauge, Add	*23.46*	
		For 18 Gauge, Add	*35.97*	
		For 16 Gauge, Add	*43.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*8.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	68.09	5.63
		For Seal Class B, Add	*5.03*	
		For Seal Class A, Add	*13.41*	
		For Up To 20', Add	*10.37*	
		For >20' To 50', Add	*4.15*	
		For >200' To 500', Deduct	*-2.59*	
		For >500', Deduct	*-4.32*	
		For 24 Gauge, Add	*6.91*	
		For 22 Gauge, Add	*15.90*	
		For 20 Gauge, Add	*25.93*	
		For 18 Gauge, Add	*39.76*	
		For 16 Gauge, Add	*48.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.58*	
		For Work In Restricted Working Space, Add	*10.06*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	75.08	6.75
		For Seal Class B, Add	*5.63*	
		For Seal Class A, Add	*15.00*	
		For Up To 20', Add	*11.27*	
		For >20' To 50', Add	*4.51*	
		For >200' To 500', Deduct	*-2.82*	
		For >500', Deduct	*-4.70*	
		For 24 Gauge, Add	*7.51*	
		For 22 Gauge, Add	*17.28*	
		For 20 Gauge, Add	*28.18*	
		For 18 Gauge, Add	*43.21*	
		For 16 Gauge, Add	*52.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.80*	
		For Work In Restricted Working Space, Add	*11.25*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	74.65	15.75
		For Seal Class B, Add	*9.12*	
		For Seal Class A, Add	*24.33*	
		For 24 Gauge, Add	*2.76*	
		For 22 Gauge, Add	*6.36*	
		For 20 Gauge, Add	*10.37*	
		For 18 Gauge, Add	*15.89*	
		For 16 Gauge, Add	*19.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.23*	
		For Work In Restricted Working Space, Add	*18.25*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	109.65	22.51
		For Seal Class B, Add	*13.50*	
		For Seal Class A, Add	*36.01*	
		For 24 Gauge, Add	*3.92*	
		For 22 Gauge, Add	*9.03*	
		For 20 Gauge, Add	*14.72*	
		For 18 Gauge, Add	*22.56*	
		For 16 Gauge, Add	*27.47*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.52*	
		For Work In Restricted Working Space, Add	*27.01*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	155.88	29.26
		For Seal Class B, Add	*17.77*	
		For Seal Class A, Add	*47.39*	
		For 24 Gauge, Add	*7.48*	
		For 22 Gauge, Add	*17.21*	
		For 20 Gauge, Add	*28.06*	
		For 18 Gauge, Add	*43.02*	
		For 16 Gauge, Add	*52.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.68*	
		For Work In Restricted Working Space, Add	*35.54*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	194.11	37.14
		For Seal Class B, Add	*22.51*	
		For Seal Class A, Add	*60.02*	
		For 24 Gauge, Add	*8.81*	
		For 22 Gauge, Add	*20.26*	
		For 20 Gauge, Add	*33.04*	
		For 18 Gauge, Add	*50.66*	
		For 16 Gauge, Add	*61.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.60*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	239.30	47.27
		For Seal Class B, Add	*28.14*	
		For Seal Class A, Add	*75.03*	
		For 24 Gauge, Add	*10.34*	
		For 22 Gauge, Add	*23.79*	
		For 20 Gauge, Add	*38.79*	
		For 18 Gauge, Add	*59.48*	
		For 16 Gauge, Add	*72.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.27*	
		For Work In Restricted Working Space, Add	*56.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	262.21	51.77
		For Seal Class B, Add	*30.69*	
		For Seal Class A, Add	*81.85*	
		For 24 Gauge, Add	*11.52*	
		For 22 Gauge, Add	*26.49*	
		For 20 Gauge, Add	*43.19*	
		For 18 Gauge, Add	*66.22*	
		For 16 Gauge, Add	*80.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.61*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	309.43	60.77
		For Seal Class B, Add	*36.31*	
		For Seal Class A, Add	*96.82*	
		For 24 Gauge, Add	*13.48*	
		For 22 Gauge, Add	*31.00*	
		For 20 Gauge, Add	*50.54*	
		For 18 Gauge, Add	*77.50*	
		For 16 Gauge, Add	*94.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.87*	
		For Work In Restricted Working Space, Add	*72.61*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	377.66	75.41
		For Seal Class B, Add	*45.02*	
		For Seal Class A, Add	*120.05*	
		For 24 Gauge, Add	*15.51*	
		For 22 Gauge, Add	*35.67*	
		For 20 Gauge, Add	*58.16*	
		For 18 Gauge, Add	*89.17*	
		For 16 Gauge, Add	*108.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.38*	
		For Work In Restricted Working Space, Add	*90.04*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	454.58	91.16
		For Seal Class B, Add	*54.46*	
		For Seal Class A, Add	*145.22*	
		For 24 Gauge, Add	*18.31*	
		For 22 Gauge, Add	*42.10*	
		For 20 Gauge, Add	*68.65*	
		For 18 Gauge, Add	*105.26*	
		For 16 Gauge, Add	*128.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*67.73*	
		For Work In Restricted Working Space, Add	*108.92*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	528.58	105.80
		For Seal Class B, Add	*63.71*	
		For Seal Class A, Add	*169.88*	
		For 24 Gauge, Add	*20.78*	
		For 22 Gauge, Add	*47.78*	
		For 20 Gauge, Add	*77.91*	
		For 18 Gauge, Add	*119.46*	
		For 16 Gauge, Add	*145.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*76.87*	
		For Work In Restricted Working Space, Add	*127.41*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	607.12	120.42
		For Seal Class B, Add	*71.84*	
		For Seal Class A, Add	*191.57*	
		For 24 Gauge, Add	*25.64*	
		For 22 Gauge, Add	*58.97*	
		For 20 Gauge, Add	*96.15*	
		For 18 Gauge, Add	*147.43*	
		For 16 Gauge, Add	*179.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*94.87*	
		For Work In Restricted Working Space, Add	*143.68*	
23 31 13 16-0099		**Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows** *(23 31 13 16-0074)*		
23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	75.30	15.75
		For Seal Class B, Add	*9.12*	
		For Seal Class A, Add	*24.33*	
		For 24 Gauge, Add	*2.89*	
		For 22 Gauge, Add	*6.66*	
		For 20 Gauge, Add	*10.85*	
		For 18 Gauge, Add	*16.64*	
		For 16 Gauge, Add	*20.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.71*	
		For Work In Restricted Working Space, Add	*18.25*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	106.28	22.51
		For Seal Class B, Add	*13.50*	
		For Seal Class A, Add	*36.01*	
		For 24 Gauge, Add	*3.25*	
		For 22 Gauge, Add	*7.48*	
		For 20 Gauge, Add	*12.19*	
		For 18 Gauge, Add	*18.69*	
		For 16 Gauge, Add	*22.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.03*	
		For Work In Restricted Working Space, Add	*27.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	140.27	29.26
		For Seal Class B, Add	*17.77*	
		For Seal Class A, Add	*47.39*	
		For 24 Gauge, Add	*4.36*	
		For 22 Gauge, Add	*10.03*	
		For 20 Gauge, Add	*16.35*	
		For 18 Gauge, Add	*25.07*	
		For 16 Gauge, Add	*30.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.13*	
		For Work In Restricted Working Space, Add	*35.54*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	177.30	37.14
		For Seal Class B, Add	*22.51*	
		For Seal Class A, Add	*60.02*	
		For 24 Gauge, Add	*5.45*	
		For 22 Gauge, Add	*12.53*	
		For 20 Gauge, Add	*20.43*	
		For 18 Gauge, Add	*31.33*	
		For 16 Gauge, Add	*38.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.16*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	219.24	47.27
		For Seal Class B, Add	*28.14*	
		For Seal Class A, Add	*75.03*	
		For 24 Gauge, Add	*6.33*	
		For 22 Gauge, Add	*14.56*	
		For 20 Gauge, Add	*23.75*	
		For 18 Gauge, Add	*36.41*	
		For 16 Gauge, Add	*44.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.43*	
		For Work In Restricted Working Space, Add	*56.27*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	239.82	51.77
		For Seal Class B, Add	*30.69*	
		For Seal Class A, Add	*81.85*	
		For 24 Gauge, Add	*7.04*	
		For 22 Gauge, Add	*16.19*	
		For 20 Gauge, Add	*26.39*	
		For 18 Gauge, Add	*40.47*	
		For 16 Gauge, Add	*49.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.04*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	299.73	60.77
		For Seal Class B, Add	*36.31*	
		For Seal Class A, Add	*96.82*	
		For 24 Gauge, Add	*11.54*	
		For 22 Gauge, Add	*26.54*	
		For 20 Gauge, Add	*43.27*	
		For 18 Gauge, Add	*66.34*	
		For 16 Gauge, Add	*80.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.69*	
		For Work In Restricted Working Space, Add	*72.61*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	370.80	75.41
		For Seal Class B, Add	*45.02*	
		For Seal Class A, Add	*120.05*	
		For 24 Gauge, Add	*14.14*	
		For 22 Gauge, Add	*32.51*	
		For 20 Gauge, Add	*53.01*	
		For 18 Gauge, Add	*81.28*	
		For 16 Gauge, Add	*98.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.30*	
		For Work In Restricted Working Space, Add	*90.04*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	452.48	91.16
		For Seal Class B, Add	*54.46*	
		For Seal Class A, Add	*145.22*	
		For 24 Gauge, Add	*17.89*	
		For 22 Gauge, Add	*41.14*	
		For 20 Gauge, Add	*67.07*	
		For 18 Gauge, Add	*102.84*	
		For 16 Gauge, Add	*125.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.18*	
		For Work In Restricted Working Space, Add	*108.92*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	504.75	105.80
		For Seal Class B, Add	*63.71*	
		For Seal Class A, Add	*169.88*	
		For 24 Gauge, Add	*16.01*	
		For 22 Gauge, Add	*36.82*	
		For 20 Gauge, Add	*60.04*	
		For 18 Gauge, Add	*92.06*	
		For 16 Gauge, Add	*112.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.24*	
		For Work In Restricted Working Space, Add	*127.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	598.64	120.42
		For Seal Class B, Add	*71.84*	
		For Seal Class A, Add	*191.57*	
		For 24 Gauge, Add	*23.94*	
		For 22 Gauge, Add	*55.07*	
		For 20 Gauge, Add	*89.79*	
		For 18 Gauge, Add	*137.68*	
		For 16 Gauge, Add	*167.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*88.59*	
		For Work In Restricted Working Space, Add	*143.68*	
23 31 13 16-0111		Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	149.57	29.26
		For Seal Class B, Add	*17.77*	
		For Seal Class A, Add	*47.39*	
		For 24 Gauge, Add	*6.22*	
		For 22 Gauge, Add	*14.31*	
		For 20 Gauge, Add	*23.33*	
		For 18 Gauge, Add	*35.77*	
		For 16 Gauge, Add	*43.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.01*	
		For Work In Restricted Working Space, Add	*35.54*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	220.18	47.27
		For Seal Class B, Add	*28.14*	
		For Seal Class A, Add	*75.03*	
		For 24 Gauge, Add	*6.52*	
		For 22 Gauge, Add	*15.00*	
		For 20 Gauge, Add	*24.45*	
		For 18 Gauge, Add	*37.49*	
		For 16 Gauge, Add	*45.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.12*	
		For Work In Restricted Working Space, Add	*56.27*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	277.83	60.77
		For Seal Class B, Add	*36.31*	
		For Seal Class A, Add	*96.82*	
		For 24 Gauge, Add	*7.16*	
		For 22 Gauge, Add	*16.46*	
		For 20 Gauge, Add	*26.84*	
		For 18 Gauge, Add	*41.16*	
		For 16 Gauge, Add	*50.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.48*	
		For Work In Restricted Working Space, Add	*72.61*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	337.51	75.41
		For Seal Class B, Add	*45.02*	
		For Seal Class A, Add	*120.05*	
		For 24 Gauge, Add	*7.48*	
		For 22 Gauge, Add	*17.20*	
		For 20 Gauge, Add	*28.04*	
		For 18 Gauge, Add	*43.00*	
		For 16 Gauge, Add	*52.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.67*	
		For Work In Restricted Working Space, Add	*90.04*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	401.66	91.16
		For Seal Class B, Add	*54.46*	
		For Seal Class A, Add	*145.22*	
		For 24 Gauge, Add	*7.72*	
		For 22 Gauge, Add	*17.76*	
		For 20 Gauge, Add	*28.96*	
		For 18 Gauge, Add	*44.40*	
		For 16 Gauge, Add	*54.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.57*	
		For Work In Restricted Working Space, Add	*108.92*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	466.69	105.80
		For Seal Class B, Add	*63.71*	
		For Seal Class A, Add	*169.88*	
		For 24 Gauge, Add	*8.40*	
		For 22 Gauge, Add	*19.32*	
		For 20 Gauge, Add	*31.49*	
		For 18 Gauge, Add	*48.29*	
		For 16 Gauge, Add	*58.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.07*	
		For Work In Restricted Working Space, Add	*127.41*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	522.60	120.42
		For Seal Class B, Add	*71.84*	
		For Seal Class A, Add	*191.57*	
		For 24 Gauge, Add	*8.74*	
		For 22 Gauge, Add	*20.09*	
		For 20 Gauge, Add	*32.76*	
		For 18 Gauge, Add	*50.23*	
		For 16 Gauge, Add	*61.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.32*	
		For Work In Restricted Working Space, Add	*143.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	594.28	137.31
		For Seal Class B, Add	*82.35*	
		For Seal Class A, Add	*219.60*	
		For 24 Gauge, Add	*9.06*	
		For 22 Gauge, Add	*20.83*	
		For 20 Gauge, Add	*33.96*	
		For 18 Gauge, Add	*52.07*	
		For 16 Gauge, Add	*63.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.51*	
		For Work In Restricted Working Space, Add	*164.70*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	662.84	151.94
		For Seal Class B, Add	*91.25*	
		For Seal Class A, Add	*243.34*	
		For 24 Gauge, Add	*10.90*	
		For 22 Gauge, Add	*25.07*	
		For 20 Gauge, Add	*40.87*	
		For 18 Gauge, Add	*62.66*	
		For 16 Gauge, Add	*76.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.32*	
		For Work In Restricted Working Space, Add	*182.51*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	718.31	165.44
		For Seal Class B, Add	*99.31*	
		For Seal Class A, Add	*264.82*	
		For 24 Gauge, Add	*11.25*	
		For 22 Gauge, Add	*25.88*	
		For 20 Gauge, Add	*42.20*	
		For 18 Gauge, Add	*64.71*	
		For 16 Gauge, Add	*78.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.64*	
		For Work In Restricted Working Space, Add	*198.61*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	231.43	50.98
		For Seal Class B, Add	*30.61*	
		For Seal Class A, Add	*81.62*	
		For 24 Gauge, Add	*5.48*	
		For 22 Gauge, Add	*12.60*	
		For 20 Gauge, Add	*20.54*	
		For 18 Gauge, Add	*31.50*	
		For 16 Gauge, Add	*38.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.27*	
		For Work In Restricted Working Space, Add	*61.21*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	279.88	61.34
		For Seal Class B, Add	*36.80*	
		For Seal Class A, Add	*98.12*	
		For 24 Gauge, Add	*6.92*	
		For 22 Gauge, Add	*15.91*	
		For 20 Gauge, Add	*25.94*	
		For 18 Gauge, Add	*39.77*	
		For 16 Gauge, Add	*48.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.59*	
		For Work In Restricted Working Space, Add	*73.59*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	340.04	74.50
		For Seal Class B, Add	*44.71*	
		For Seal Class A, Add	*119.22*	
		For 24 Gauge, Add	*8.40*	
		For 22 Gauge, Add	*19.31*	
		For 20 Gauge, Add	*31.49*	
		For 18 Gauge, Add	*48.28*	
		For 16 Gauge, Add	*58.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.07*	
		For Work In Restricted Working Space, Add	*89.42*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	404.79	88.57
		For Seal Class B, Add	*53.22*	
		For Seal Class A, Add	*141.92*	
		For 24 Gauge, Add	*10.00*	
		For 22 Gauge, Add	*22.99*	
		For 20 Gauge, Add	*37.49*	
		For 18 Gauge, Add	*57.48*	
		For 16 Gauge, Add	*69.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.99*	
		For Work In Restricted Working Space, Add	*106.44*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	513.22	113.89
		For Seal Class B, Add	*68.29*	
		For Seal Class A, Add	*182.11*	
		For 24 Gauge, Add	*11.59*	
		For 22 Gauge, Add	*26.65*	
		For 20 Gauge, Add	*43.46*	
		For 18 Gauge, Add	*66.63*	
		For 16 Gauge, Add	*81.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.88*	
		For Work In Restricted Working Space, Add	*136.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	570.07	126.39
		For Seal Class B, Add	*75.77*	
		For Seal Class A, Add	*202.06*	
		For 24 Gauge, Add	*12.99*	
		For 22 Gauge, Add	*29.87*	
		For 20 Gauge, Add	*48.70*	
		For 18 Gauge, Add	*74.67*	
		For 16 Gauge, Add	*90.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*48.05*	
		For Work In Restricted Working Space, Add	*151.54*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	648.12	143.84
		For Seal Class B, Add	*86.13*	
		For Seal Class A, Add	*229.68*	
		For 24 Gauge, Add	*14.78*	
		For 22 Gauge, Add	*34.00*	
		For 20 Gauge, Add	*55.43*	
		For 18 Gauge, Add	*85.00*	
		For 16 Gauge, Add	*103.47*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.69*	
		For Work In Restricted Working Space, Add	*172.26*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	695.37	153.40
		For Seal Class B, Add	*91.95*	
		For Seal Class A, Add	*245.20*	
		For 24 Gauge, Add	*16.47*	
		For 22 Gauge, Add	*37.89*	
		For 20 Gauge, Add	*61.78*	
		For 18 Gauge, Add	*94.73*	
		For 16 Gauge, Add	*115.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.95*	
		For Work In Restricted Working Space, Add	*183.90*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	754.42	166.34
		For Seal Class B, Add	*99.77*	
		For Seal Class A, Add	*266.06*	
		For 24 Gauge, Add	*17.85*	
		For 22 Gauge, Add	*41.06*	
		For 20 Gauge, Add	*66.95*	
		For 18 Gauge, Add	*102.65*	
		For 16 Gauge, Add	*124.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.05*	
		For Work In Restricted Working Space, Add	*199.55*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	306.19	67.53
		For Seal Class B, Add	*40.47*	
		For Seal Class A, Add	*107.91*	
		For 24 Gauge, Add	*7.28*	
		For 22 Gauge, Add	*16.75*	
		For 20 Gauge, Add	*27.32*	
		For 18 Gauge, Add	*41.88*	
		For 16 Gauge, Add	*50.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.95*	
		For Work In Restricted Working Space, Add	*80.93*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	372.10	82.16
		For Seal Class B, Add	*49.19*	
		For Seal Class A, Add	*131.17*	
		For 24 Gauge, Add	*8.83*	
		For 22 Gauge, Add	*20.32*	
		For 20 Gauge, Add	*33.13*	
		For 18 Gauge, Add	*50.80*	
		For 16 Gauge, Add	*61.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.69*	
		For Work In Restricted Working Space, Add	*98.38*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	442.88	97.36
		For Seal Class B, Add	*58.54*	
		For Seal Class A, Add	*156.10*	
		For 24 Gauge, Add	*10.53*	
		For 22 Gauge, Add	*24.21*	
		For 20 Gauge, Add	*39.48*	
		For 18 Gauge, Add	*60.54*	
		For 16 Gauge, Add	*73.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.95*	
		For Work In Restricted Working Space, Add	*117.07*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	514.09	113.45
		For Seal Class B, Add	*67.96*	
		For Seal Class A, Add	*181.24*	
		For 24 Gauge, Add	*12.20*	
		For 22 Gauge, Add	*28.06*	
		For 20 Gauge, Add	*45.75*	
		For 18 Gauge, Add	*70.15*	
		For 16 Gauge, Add	*85.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.14*	
		For Work In Restricted Working Space, Add	*135.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	575.31	126.84
		For Seal Class B, Add	*76.04*	
		For Seal Class A, Add	*202.78*	
		For 24 Gauge, Add	*13.67*	
		For 22 Gauge, Add	*31.44*	
		For 20 Gauge, Add	*51.26*	
		For 18 Gauge, Add	*78.60*	
		For 16 Gauge, Add	*95.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*50.58*	
		For Work In Restricted Working Space, Add	*152.09*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	654.35	144.28
		For Seal Class B, Add	*86.49*	
		For Seal Class A, Add	*230.63*	
		For 24 Gauge, Add	*15.56*	
		For 22 Gauge, Add	*35.78*	
		For 20 Gauge, Add	*58.34*	
		For 18 Gauge, Add	*89.45*	
		For 16 Gauge, Add	*108.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.56*	
		For Work In Restricted Working Space, Add	*172.97*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	730.57	160.94
		For Seal Class B, Add	*96.58*	
		For Seal Class A, Add	*257.54*	
		For 24 Gauge, Add	*17.34*	
		For 22 Gauge, Add	*39.89*	
		For 20 Gauge, Add	*65.03*	
		For 18 Gauge, Add	*99.72*	
		For 16 Gauge, Add	*121.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.17*	
		For Work In Restricted Working Space, Add	*193.16*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	792.13	174.67
		For Seal Class B, Add	*104.73*	
		For Seal Class A, Add	*279.27*	
		For 24 Gauge, Add	*18.79*	
		For 22 Gauge, Add	*43.22*	
		For 20 Gauge, Add	*70.46*	
		For 18 Gauge, Add	*108.04*	
		For 16 Gauge, Add	*131.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*69.52*	
		For Work In Restricted Working Space, Add	*209.45*	
23 31 13 16-0139		Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*		
23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	101.21	22.51
		For Seal Class B, Add	*13.50*	
		For Seal Class A, Add	*36.01*	
		For 24 Gauge, Add	*2.24*	
		For 22 Gauge, Add	*5.14*	
		For 20 Gauge, Add	*8.39*	
		For 18 Gauge, Add	*12.86*	
		For 16 Gauge, Add	*15.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.27*	
		For Work In Restricted Working Space, Add	*27.01*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	130.78	29.26
		For Seal Class B, Add	*17.77*	
		For Seal Class A, Add	*47.39*	
		For 24 Gauge, Add	*2.46*	
		For 22 Gauge, Add	*5.66*	
		For 20 Gauge, Add	*9.23*	
		For 18 Gauge, Add	*14.16*	
		For 16 Gauge, Add	*17.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.11*	
		For Work In Restricted Working Space, Add	*35.54*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	163.68	37.14
		For Seal Class B, Add	*22.51*	
		For Seal Class A, Add	*60.02*	
		For 24 Gauge, Add	*2.72*	
		For 22 Gauge, Add	*6.27*	
		For 20 Gauge, Add	*10.22*	
		For 18 Gauge, Add	*15.66*	
		For 16 Gauge, Add	*19.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.08*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	202.52	47.27
		For Seal Class B, Add	*28.14*	
		For Seal Class A, Add	*75.03*	
		For 24 Gauge, Add	*2.99*	
		For 22 Gauge, Add	*6.87*	
		For 20 Gauge, Add	*11.21*	
		For 18 Gauge, Add	*17.18*	
		For 16 Gauge, Add	*20.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.06*	
		For Work In Restricted Working Space, Add	*56.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	221.26	51.77
		For Seal Class B, Add	*30.69*	
		For Seal Class A, Add	*81.85*	
		For 24 Gauge, Add	*3.33*	
		For 22 Gauge, Add	*7.65*	
		For 20 Gauge, Add	*12.47*	
		For 18 Gauge, Add	*19.12*	
		For 16 Gauge, Add	*23.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.31*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	270.79	60.77
		For Seal Class B, Add	*36.31*	
		For Seal Class A, Add	*96.82*	
		For 24 Gauge, Add	*5.75*	
		For 22 Gauge, Add	*13.23*	
		For 20 Gauge, Add	*21.56*	
		For 18 Gauge, Add	*33.06*	
		For 16 Gauge, Add	*40.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.28*	
		For Work In Restricted Working Space, Add	*72.61*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	330.84	75.41
		For Seal Class B, Add	*45.02*	
		For Seal Class A, Add	*120.05*	
		For 24 Gauge, Add	*6.14*	
		For 22 Gauge, Add	*14.13*	
		For 20 Gauge, Add	*23.04*	
		For 18 Gauge, Add	*35.33*	
		For 16 Gauge, Add	*43.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.73*	
		For Work In Restricted Working Space, Add	*90.04*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	395.84	91.16
		For Seal Class B, Add	*54.46*	
		For Seal Class A, Add	*145.22*	
		For 24 Gauge, Add	*6.56*	
		For 22 Gauge, Add	*15.08*	
		For 20 Gauge, Add	*24.59*	
		For 18 Gauge, Add	*37.71*	
		For 16 Gauge, Add	*45.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.26*	
		For Work In Restricted Working Space, Add	*108.92*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	459.55	105.80
		For Seal Class B, Add	*63.71*	
		For Seal Class A, Add	*169.88*	
		For 24 Gauge, Add	*6.97*	
		For 22 Gauge, Add	*16.03*	
		For 20 Gauge, Add	*26.14*	
		For 18 Gauge, Add	*40.08*	
		For 16 Gauge, Add	*48.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.79*	
		For Work In Restricted Working Space, Add	*127.41*	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	515.65	120.42
		For Seal Class B, Add	*71.84*	
		For Seal Class A, Add	*191.57*	
		For 24 Gauge, Add	*7.35*	
		For 22 Gauge, Add	*16.90*	
		For 20 Gauge, Add	*27.55*	
		For 18 Gauge, Add	*42.24*	
		For 16 Gauge, Add	*51.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.18*	
		For Work In Restricted Working Space, Add	*143.68*	
23 31 13 16-0150		**Slip Joint, Galvanized, Spiral Duct Couplings** *(23 31 13 16-0074)*		
23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	66.12	15.75
		For Seal Class B, Add	*9.12*	
		For Seal Class A, Add	*24.33*	
		For 24 Gauge, Add	*1.06*	
		For 22 Gauge, Add	*2.43*	
		For 20 Gauge, Add	*3.97*	
		For 18 Gauge, Add	*6.08*	
		For 16 Gauge, Add	*7.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.91*	
		For Work In Restricted Working Space, Add	*18.25*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	96.04	22.51
		For Seal Class B, Add	*13.50*	
		For Seal Class A, Add	*36.01*	
		For 24 Gauge, Add	*1.20*	
		For 22 Gauge, Add	*2.76*	
		For 20 Gauge, Add	*4.51*	
		For 18 Gauge, Add	*6.91*	
		For 16 Gauge, Add	*8.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.45*	
		For Work In Restricted Working Space, Add	*27.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	124.95	29.26
		For Seal Class B, Add	*17.77*	
		For Seal Class A, Add	*47.39*	
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*2.98*	
		For 20 Gauge, Add	*4.86*	
		For 18 Gauge, Add	*7.45*	
		For 16 Gauge, Add	*9.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.80*	
		For Work In Restricted Working Space, Add	*35.54*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	157.01	37.14
		For Seal Class B, Add	*22.51*	
		For Seal Class A, Add	*60.02*	
		For 24 Gauge, Add	*1.39*	
		For 22 Gauge, Add	*3.20*	
		For 20 Gauge, Add	*5.21*	
		For 18 Gauge, Add	*7.99*	
		For 16 Gauge, Add	*9.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.14*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	195.00	47.27
		For Seal Class B, Add	*28.14*	
		For Seal Class A, Add	*75.03*	
		For 24 Gauge, Add	*1.48*	
		For 22 Gauge, Add	*3.41*	
		For 20 Gauge, Add	*5.57*	
		For 18 Gauge, Add	*8.53*	
		For 16 Gauge, Add	*10.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.49*	
		For Work In Restricted Working Space, Add	*56.27*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	212.52	51.77
		For Seal Class B, Add	*30.69*	
		For Seal Class A, Add	*81.85*	
		For 24 Gauge, Add	*1.58*	
		For 22 Gauge, Add	*3.63*	
		For 20 Gauge, Add	*5.92*	
		For 18 Gauge, Add	*9.07*	
		For 16 Gauge, Add	*11.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.84*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	250.78	60.77
		For Seal Class B, Add	*36.31*	
		For Seal Class A, Add	*96.82*	
		For 24 Gauge, Add	*1.75*	
		For 22 Gauge, Add	*4.02*	
		For 20 Gauge, Add	*6.56*	
		For 18 Gauge, Add	*10.05*	
		For 16 Gauge, Add	*12.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.47*	
		For Work In Restricted Working Space, Add	*72.61*	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	309.33	75.41
		For Seal Class B, Add	*45.02*	
		For Seal Class A, Add	*120.05*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.24*	
		For 20 Gauge, Add	*6.91*	
		For 18 Gauge, Add	*10.59*	
		For 16 Gauge, Add	*12.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.82*	
		For Work In Restricted Working Space, Add	*90.04*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	372.82	91.16
		For Seal Class B, Add	*54.46*	
		For Seal Class A, Add	*145.22*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*4.49*	
		For 20 Gauge, Add	*7.33*	
		For 18 Gauge, Add	*11.24*	
		For 16 Gauge, Add	*13.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.23*	
		For Work In Restricted Working Space, Add	*108.92*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	434.85	212.71
		For Seal Class B, Add	*63.71*	
		For Seal Class A, Add	*169.88*	
		For 24 Gauge, Add	*2.03*	
		For 22 Gauge, Add	*4.67*	
		For 20 Gauge, Add	*7.61*	
		For 18 Gauge, Add	*11.67*	
		For 16 Gauge, Add	*14.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.51*	
		For Work In Restricted Working Space, Add	*127.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	489.63	239.72
		For Seal Class B, Add	*71.84*	
		For Seal Class A, Add	*191.57*	
		For 24 Gauge, Add	*2.14*	
		For 22 Gauge, Add	*4.93*	
		For 20 Gauge, Add	*8.03*	
		For 18 Gauge, Add	*12.32*	
		For 16 Gauge, Add	*14.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.93*	
		For Work In Restricted Working Space, Add	*143.68*	
23 31 13 16-0162		Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*		
23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	36.62	15.75
		For Seal Class B, Add	*4.56*	
		For Seal Class A, Add	*12.17*	
		For 24 Gauge, Add	*1.24*	
		For 22 Gauge, Add	*2.85*	
		For 20 Gauge, Add	*4.65*	
		For 18 Gauge, Add	*7.13*	
		For 16 Gauge, Add	*8.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.59*	
		For Work In Restricted Working Space, Add	*9.13*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	51.97	22.51
		For Seal Class B, Add	*6.75*	
		For Seal Class A, Add	*18.01*	
		For 24 Gauge, Add	*1.39*	
		For 22 Gauge, Add	*3.20*	
		For 20 Gauge, Add	*5.21*	
		For 18 Gauge, Add	*7.99*	
		For 16 Gauge, Add	*9.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.14*	
		For Work In Restricted Working Space, Add	*13.51*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	66.84	30.39
		For Seal Class B, Add	*8.88*	
		For Seal Class A, Add	*23.69*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.50*	
		For 20 Gauge, Add	*5.71*	
		For 18 Gauge, Add	*8.75*	
		For 16 Gauge, Add	*10.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.63*	
		For Work In Restricted Working Space, Add	*17.77*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	83.48	38.26
		For Seal Class B, Add	*11.25*	
		For Seal Class A, Add	*30.01*	
		For 24 Gauge, Add	*1.69*	
		For 22 Gauge, Add	*3.89*	
		For 20 Gauge, Add	*6.34*	
		For 18 Gauge, Add	*9.72*	
		For 16 Gauge, Add	*11.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.25*	
		For Work In Restricted Working Space, Add	*22.51*	
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	103.18	47.27
		For Seal Class B, Add	*14.07*	
		For Seal Class A, Add	*37.52*	
		For 24 Gauge, Add	*1.88*	
		For 22 Gauge, Add	*4.32*	
		For 20 Gauge, Add	*7.04*	
		For 18 Gauge, Add	*10.80*	
		For 16 Gauge, Add	*13.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.95*	
		For Work In Restricted Working Space, Add	*28.14*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	112.64	51.77
		For Seal Class B, Add	*15.35*	
		For Seal Class A, Add	*40.92*	
		For 24 Gauge, Add	*2.07*	
		For 22 Gauge, Add	*4.75*	
		For 20 Gauge, Add	*7.75*	
		For 18 Gauge, Add	*11.88*	
		For 16 Gauge, Add	*14.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.64*	
		For Work In Restricted Working Space, Add	*30.69*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	130.40	59.65
		For Seal Class B, Add	*17.77*	
		For Seal Class A, Add	*47.39*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*5.49*	
		For 20 Gauge, Add	*8.95*	
		For 18 Gauge, Add	*13.72*	
		For 16 Gauge, Add	*16.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.83*	
		For Work In Restricted Working Space, Add	*35.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	190.27	75.41
		For Seal Class B, Add	*22.51*	
		For Seal Class A, Add	*60.02*	
		For 24 Gauge, Add	*8.04*	
		For 22 Gauge, Add	*18.50*	
		For 20 Gauge, Add	*30.16*	
		For 18 Gauge, Add	*46.24*	
		For 16 Gauge, Add	*56.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.76*	
		For Work In Restricted Working Space, Add	*45.02*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	231.17	93.42
		For Seal Class B, Add	*28.14*	
		For Seal Class A, Add	*75.03*	
		For 24 Gauge, Add	*8.72*	
		For 22 Gauge, Add	*20.05*	
		For 20 Gauge, Add	*32.69*	
		For 18 Gauge, Add	*50.13*	
		For 16 Gauge, Add	*61.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.26*	
		For Work In Restricted Working Space, Add	*56.27*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	251.60	102.42
		For Seal Class B, Add	*30.69*	
		For Seal Class A, Add	*81.85*	
		For 24 Gauge, Add	*9.39*	
		For 22 Gauge, Add	*21.61*	
		For 20 Gauge, Add	*35.23*	
		For 18 Gauge, Add	*54.02*	
		For 16 Gauge, Add	*65.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.76*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	289.91	119.30
		For Seal Class B, Add	*35.92*	
		For Seal Class A, Add	*95.78*	
		For 24 Gauge, Add	*10.09*	
		For 22 Gauge, Add	*23.21*	
		For 20 Gauge, Add	*37.84*	
		For 18 Gauge, Add	*58.02*	
		For 16 Gauge, Add	*70.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.33*	
		For Work In Restricted Working Space, Add	*71.84*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	43.17	34.64
		For Work In Restricted Working Space, Add	*12.67*	
		For Elevated Installation >10' To 15', Add	*4.22*	
		For Elevated Installation >15' To 20', Add	*8.44*	
		For Elevated Installation >20' To 25', Add	*10.56*	
		For Elevated Installation >25' To 30', Add	*14.78*	
		For Elevated Installation >30' To 35', Add	*16.89*	
		For Elevated Installation >35' To 40', Add	*21.11*	
		For Elevated Installation >40', Add	*23.22*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	39.68	15.24
		For Stainless Steel, Add	*11.95*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	39.68	15.24
		For Stainless Steel, Add	*11.95*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	42.33	16.46
		For Stainless Steel, Add	*12.22*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	42.33	16.46
		For Stainless Steel, Add	*12.22*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	44.60	16.46
		For Stainless Steel, Add	*15.17*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	45.89	17.69
		For Stainless Steel, Add	*13.68*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	45.89	17.69
		For Stainless Steel, Add	*13.68*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	47.30	17.69
		For Stainless Steel, Add	*15.51*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	46.09	18.91
		For Stainless Steel, Add	*10.76*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	48.77	20.13
		For Stainless Steel, Add	*11.08*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	54.55	20.13
		For Stainless Steel, Add	*18.59*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	51.72	21.34
		For Stainless Steel, Add	*11.74*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	57.38	21.34
		For Stainless Steel, Add	*19.10*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	40.96	16.46
		For Stainless Steel, Add	*10.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	40.96	16.46
		For Stainless Steel, Add	*10.44*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	44.32	17.69
		For Stainless Steel, Add	*11.64*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	45.67	17.69
		For Stainless Steel, Add	*13.39*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	46.27	18.91
		For Stainless Steel, Add	*11.00*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	48.93	20.13
		For Stainless Steel, Add	*11.28*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	41.88	16.46
		For Stainless Steel, Add	*11.64*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	44.87	17.69
		For Stainless Steel, Add	*12.35*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	39.69	15.24
		For Stainless Steel, Add	*11.95*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	42.33	16.46
		For Stainless Steel, Add	*12.22*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	45.89	17.69
		For Stainless Steel, Add	*13.68*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	45.89	17.69
		For Stainless Steel, Add	*13.68*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	46.09	18.91
		For Stainless Steel, Add	*10.76*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	48.77	20.13
		For Stainless Steel, Add	*11.08*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	54.55	20.13
		For Stainless Steel, Add	*18.59*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	56.99	21.34
		For Stainless Steel, Add	*18.59*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23-0003	LB	Galvanized Steel Welded Duct	24.96	10.50
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.89*	
		For Work In Restricted Working Space, Add	*6.32*	
		For Elevated Installation >10' To 15', Add	*2.11*	
		For Elevated Installation >15' To 20', Add	*4.21*	
		For Elevated Installation >20' To 25', Add	*5.27*	
		For Elevated Installation >25' To 30', Add	*7.37*	
		For Elevated Installation >30' To 35', Add	*8.42*	
		For Elevated Installation >35' To 40', Add	*10.53*	
		For Elevated Installation >40', Add	*11.58*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23-0005	LB	Black Steel Ductwork	22.53	10.83
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.65*	
		For Work In Restricted Working Space, Add	*6.50*	
		For Elevated Installation >10' To 15', Add	*2.17*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.58*	
		For Elevated Installation >30' To 35', Add	*8.66*	
		For Elevated Installation >35' To 40', Add	*10.83*	
		For Elevated Installation >40', Add	*11.91*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	10.96	2.17
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	12.98	2.38
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	15.07	2.62

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	18.60	5.60
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	23.39	6.56
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	31.56	9.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	41.99	12.16
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	53.26	15.22
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	64.25	18.30
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	72.13	21.36
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	82.56	23.36
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	89.33	24.84
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	111.86	27.92
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	117.50	29.92
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	146.23	31.94
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	167.36	37.00
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	192.73	44.62
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	260.32	49.70
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	291.60	55.83
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	323.44	63.97
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	366.55	74.65
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	390.23	91.35
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	476.17	111.65
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	62.92	22.73
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	75.74	26.96
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	87.43	31.72
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	115.12	42.29
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	140.63	52.87
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	163.97	63.44
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	203.34	78.77
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	217.22	84.58
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	235.33	90.40
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	253.44	97.28
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	276.91	105.73
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	319.86	116.31
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	369.36	126.88
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	418.55	142.74
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	467.72	158.60
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	516.87	174.46
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	641.05	211.47
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	768.60	264.33
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	922.27	317.20
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,054.99	359.49
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	97.82	22.73
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	112.82	26.96
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	128.88	31.72
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	167.47	42.29
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	203.89	52.87
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	240.31	63.44
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	284.04	78.77
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	315.37	84.58
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	344.39	90.40
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	366.87	97.28
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	385.97	105.73
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	450.73	116.31
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	495.87	126.88
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	608.31	142.74
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	677.11	158.60
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	767.71	174.46
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	902.80	211.47
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,080.51	264.33
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,258.18	317.20
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,438.89	359.49
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	163.33	54.77
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	192.01	65.45
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	222.85	76.13
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	289.14	101.50
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	355.43	126.88
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	421.73	152.25
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	518.41	189.37
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	584.98	200.47
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	663.91	217.71
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	786.11	233.46
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	902.87	253.76
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,043.32	279.13
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,390.95	304.51
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,770.72	342.58
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,314.05	380.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,737.46	418.81
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,245.22	507.52
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	3,936.57	634.40
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,627.50	761.07
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,276.35	862.47
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	139.33	54.77
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	163.65	65.45
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	190.11	76.13
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	241.15	101.50
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	292.18	126.88
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	347.63	152.25
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	429.04	189.37
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	464.92	200.47
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	550.29	217.60
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	629.35	233.67
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	723.94	253.76
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	831.25	278.92
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,041.56	304.30
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,267.35	342.89
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,601.25	380.95
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,875.87	418.81
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,237.49	507.52
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,688.90	634.40
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,163.64	759.59
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,576.56	863.31
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	212.53	81.73
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	251.34	98.44
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	288.47	114.19
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	373.74	152.25
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	457.33	189.37
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	545.90	229.44
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	659.81	278.08
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	719.70	300.92
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	828.35	326.92
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	932.65	350.18
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,070.75	380.74
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,221.50	418.81
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,448.20	456.66
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,729.33	514.07
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,260.61	571.17
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,683.21	628.37
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,232.73	761.80
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	3,876.93	952.02
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,520.54	1,141.81
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,102.49	1,294.70
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	179.79	81.73
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	212.05	98.44
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	242.70	114.19
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	310.55	152.25
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	376.69	189.37
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	452.17	229.44
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	542.26	278.29
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	588.36	300.71
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	645.35	327.03
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	697.58	350.51
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	761.47	380.95
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	841.96	418.81
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	928.63	456.45
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,048.23	513.75
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,170.67	571.49
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,286.80	628.16
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,538.62	759.59
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,883.96	953.71
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,275.23	1,142.65
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,550.44	1,294.70
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	148.09	54.88
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	174.61	65.55
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	205.45	76.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	265.14	101.50
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	320.53	126.88
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	385.65	152.89
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	459.58	189.37
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	491.10	200.47
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	541.56	217.60
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	594.45	233.67
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	662.87	253.76
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	753.71	279.45
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	844.24	305.04
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	955.43	342.89
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,066.85	380.95
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,199.69	418.81
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,423.89	507.52
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,705.16	634.40
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,920.33	759.59
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,158.75	863.31
23 31 16 16-0170		Fiber Reinforced Plastic Two Piece Reducer *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	174.27	54.88
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	192.06	65.55
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	222.90	76.13
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	289.14	101.50
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	355.43	126.88
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	422.74	152.89
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	507.57	189.37
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	552.17	200.47
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	602.64	217.60
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	677.33	233.67
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	846.09	253.76
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,022.01	279.45
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,097.26	305.04
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,247.71	342.89
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,354.77	380.95
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,483.25	418.81
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,652.92	507.52
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,921.10	634.40
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,160.27	759.59
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,376.87	863.31
23 31 16 16-0191		Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	448.07	54.77
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	503.41	65.45
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	558.72	76.13
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	657.34	101.50
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	774.74	126.88
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	873.37	152.25
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	991.48	189.37
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,103.95	200.47
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,226.59	217.71
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,346.69	233.46
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,436.89	253.76
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,629.39	279.13
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,896.96	304.51
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,185.76	342.58
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,512.08	380.74
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	2,800.89	418.81
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,286.71	507.52
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	3,836.15	634.40
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,347.62	761.07
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,004.77	862.47
23 31 16 23		**Fabric Ducts** *(23 31 16)*		
23 31 16 23-0001		Heavy Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*		
23 31 16 23-0002		Heavy Duty Fabric Duct Without Vents *(23 31 16 23-0001)*		
		Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.		
23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	188.92	8.46
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	295.47	11.29
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	227.80	14.11
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	339.25	18.55
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	276.36	19.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	396.10	25.81
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	321.78	25.00
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	452.94	33.06
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	358.91	28.64
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	538.53	38.31
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	394.83	31.86
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	600.85	42.34
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	430.05	36.30
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	693.23	48.39
23 31 16 23-0017		**Heavy Duty Fabric Duct With Vents** *(23 31 16 23-0001)*		
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	513.28	11.29
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	570.13	18.55
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	637.87	25.81
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	707.78	33.06
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	852.18	38.31
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	914.50	42.34
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,033.02	48.39
23 31 16 23-0025		**Heavy Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0026	EA	12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	382.87	12.10
23 31 16 23-0027	EA	16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	428.83	19.36
23 31 16 23-0028	EA	20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	579.64	20.97
23 31 16 23-0029	EA	24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	708.36	28.22
23 31 16 23-0030	EA	28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	894.57	31.45
23 31 16 23-0031	EA	32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,114.40	34.27
23 31 16 23-0032	EA	36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,266.13	38.31
23 31 16 23-0033		**Heavy Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	293.57	12.10
23 31 16 23-0035	EA	16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	346.06	19.36
23 31 16 23-0036	EA	20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	387.97	20.97
23 31 16 23-0037	EA	24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	453.52	28.22
23 31 16 23-0038	EA	28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	524.30	31.45
23 31 16 23-0039	EA	32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	628.68	34.27
23 31 16 23-0040	EA	36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	717.14	38.31
23 31 16 23-0041		**Heavy Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	934.88	28.22
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	984.55	30.25
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,068.61	40.72
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,124.66	45.57
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,167.36	49.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,224.90	55.65
23 31 16 23-0048		**Heavy Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	151.99	12.10
23 31 16 23-0050	EA	16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	180.52	19.36
23 31 16 23-0051	EA	20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	194.12	20.97
23 31 16 23-0052	EA	24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	224.82	28.22
23 31 16 23-0053	EA	28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	241.14	31.45
23 31 16 23-0054	EA	32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	258.41	34.27
23 31 16 23-0055	EA	36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	283.69	38.31
23 31 16 23-0056		**Heavy Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	89.40	7.26
23 31 16 23-0058	EA	16" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	113.74	11.70
23 31 16 23-0059	EA	20" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	133.62	12.50
23 31 16 23-0060	EA	24" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	186.25	16.94
23 31 16 23-0061	EA	28" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	222.86	18.95
23 31 16 23-0062	EA	32" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	277.84	20.56
23 31 16 23-0063	EA	36" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	313.49	22.99
23 31 16 23-0064		**Heavy Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)*		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	35.27	6.11
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	54.96	9.17
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	13.16	3.06
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.78	0.12
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	30.45	6.11
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	64.19	6.11
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	87.85	9.17
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	17.23	3.06
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	2.44	0.12
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	40.99	6.11

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001		**Radial Opposed Blade Damper Steel Construction (Ruskin CDR)** *(23 33 13 13)*		
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	135.97	9.76
		For Stainless Steel, Add	*127.54*	
		For Parallel Blade Damper, Add	*39.24*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	143.43	10.97
		For Stainless Steel, Add	*129.38*	
		For Parallel Blade Damper, Add	*39.81*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	151.63	12.19
		For Stainless Steel, Add	*130.74*	
		For Parallel Blade Damper, Add	*40.23*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	163.15	14.64
		For Stainless Steel, Add	*138.92*	
		For Parallel Blade Damper, Add	*42.74*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	175.88	15.86
		For Stainless Steel, Add	*147.10*	
		For Parallel Blade Damper, Add	*45.26*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	213.19	17.08
		For Stainless Steel, Add	*187.95*	
		For Parallel Blade Damper, Add	*57.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	232.85	18.29
		For Stainless Steel, Add	*204.30*	
		For Parallel Blade Damper, Add	*62.86*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	244.72	20.73
		For Stainless Steel, Add	*212.43*	
		For Parallel Blade Damper, Add	*65.36*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	270.10	21.96
		For Stainless Steel, Add	*236.96*	
		For Parallel Blade Damper, Add	*72.91*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	321.74	24.40
		For Stainless Steel, Add	*294.18*	
		For Parallel Blade Damper, Add	*90.52*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	357.47	24.40
		For Stainless Steel, Add	*334.98*	
		For Parallel Blade Damper, Add	*103.07*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	411.47	28.05
		For Stainless Steel, Add	*392.20*	
		For Parallel Blade Damper, Add	*120.68*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	444.28	29.27
		For Stainless Steel, Add	*427.36*	
		For Parallel Blade Damper, Add	*131.50*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.70	13.57
		For Stainless Steel, Add	*124.81*	
		For Parallel Blade Damper, Add	*38.40*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.36	14.17
		For Stainless Steel, Add	*133.68*	
		For Parallel Blade Damper, Add	*41.13*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.46	14.29
		For Stainless Steel, Add	*142.60*	
		For Parallel Blade Damper, Add	*43.88*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.46	14.29
		For Stainless Steel, Add	*142.60*	
		For Parallel Blade Damper, Add	*43.88*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.55	14.67
		For Stainless Steel, Add	*151.52*	
		For Parallel Blade Damper, Add	*46.62*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	179.12	16.26
		For Stainless Steel, Add	*169.31*	
		For Parallel Blade Damper, Add	*52.10*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.55	14.67
		For Stainless Steel, Add	*151.52*	
		For Parallel Blade Damper, Add	*46.62*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.67	15.52
		For Stainless Steel, Add	*169.31*	
		For Parallel Blade Damper, Add	*52.10*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.03	16.26
		For Stainless Steel, Add	*178.30*	
		For Parallel Blade Damper, Add	*54.86*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.55	18.33
		For Stainless Steel, Add	*195.73*	
		For Parallel Blade Damper, Add	*60.22*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.28	15.52
		For Stainless Steel, Add	*164.91*	
		For Parallel Blade Damper, Add	*50.74*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.03	16.26
		For Stainless Steel, Add	*178.30*	
		For Parallel Blade Damper, Add	*54.86*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.33	17.11
		For Stainless Steel, Add	*187.21*	
		For Parallel Blade Damper, Add	*57.60*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.87	18.33
		For Stainless Steel, Add	*196.14*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.09	20.40
		For Stainless Steel, Add	*218.39*	
		For Parallel Blade Damper, Add	*67.20*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.03	16.26
		For Stainless Steel, Add	*178.30*	
		For Parallel Blade Damper, Add	*54.86*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.55	17.47
		For Stainless Steel, Add	*187.21*	
		For Parallel Blade Damper, Add	*57.60*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.31	19.18
		For Stainless Steel, Add	*196.14*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.79	20.40
		For Stainless Steel, Add	*205.00*	
		For Parallel Blade Damper, Add	*63.08*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.11	22.36
		For Stainless Steel, Add	*227.37*	
		For Parallel Blade Damper, Add	*69.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.34	24.44
		For Stainless Steel, Add	*249.63*	
		For Parallel Blade Damper, Add	*76.81*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.33	17.11
		For Stainless Steel, Add	*187.21*	
		For Parallel Blade Damper, Add	*57.60*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.25	18.33
		For Stainless Steel, Add	*200.54*	
		For Parallel Blade Damper, Add	*61.70*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.71	20.40
		For Stainless Steel, Add	*213.99*	
		For Parallel Blade Damper, Add	*65.84*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.98	22.36
		For Stainless Steel, Add	*236.30*	
		For Parallel Blade Damper, Add	*72.71*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.77	24.44
		For Stainless Steel, Add	*254.09*	
		For Parallel Blade Damper, Add	*78.18*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.32	26.39
		For Stainless Steel, Add	*263.77*	
		For Parallel Blade Damper, Add	*81.16*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.26	28.47
		For Stainless Steel, Add	*276.55*	
		For Parallel Blade Damper, Add	*85.09*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.15	18.33
		For Stainless Steel, Add	*178.31*	
		For Parallel Blade Damper, Add	*54.86*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.70	20.40
		For Stainless Steel, Add	*194.48*	
		For Parallel Blade Damper, Add	*59.84*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.29	22.36
		For Stainless Steel, Add	*210.70*	
		For Parallel Blade Damper, Add	*64.83*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.36	24.44
		For Stainless Steel, Add	*243.15*	
		For Parallel Blade Damper, Add	*74.82*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.82	26.39
		For Stainless Steel, Add	*255.32*	
		For Parallel Blade Damper, Add	*78.56*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.29	28.47
		For Stainless Steel, Add	*267.49*	
		For Parallel Blade Damper, Add	*82.30*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.84	30.55
		For Stainless Steel, Add	*283.66*	
		For Parallel Blade Damper, Add	*87.28*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	328.40	32.50
		For Stainless Steel, Add	*299.83*	
		For Parallel Blade Damper, Add	*92.26*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.94	20.40
		For Stainless Steel, Add	*202.59*	
		For Parallel Blade Damper, Add	*62.34*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.77	22.36
		For Stainless Steel, Add	*226.93*	
		For Parallel Blade Damper, Add	*69.82*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.36	24.44
		For Stainless Steel, Add	*243.15*	
		For Parallel Blade Damper, Add	*74.82*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.18	26.39
		For Stainless Steel, Add	*267.49*	
		For Parallel Blade Damper, Add	*82.30*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	300.61	28.47
		For Stainless Steel, Add	*279.60*	
		For Parallel Blade Damper, Add	*86.03*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.08	30.55
		For Stainless Steel, Add	*291.77*	
		For Parallel Blade Damper, Add	*89.78*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.88	32.50
		For Stainless Steel, Add	*316.06*	
		For Parallel Blade Damper, Add	*97.25*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.78	36.66
		For Stainless Steel, Add	*340.34*	
		For Parallel Blade Damper, Add	*104.72*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	409.00	40.69
		For Stainless Steel, Add	*372.84*	
		For Parallel Blade Damper, Add	*114.72*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.77	22.36
		For Stainless Steel, Add	*226.93*	
		For Parallel Blade Damper, Add	*69.82*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.36	24.44
		For Stainless Steel, Add	*243.15*	
		For Parallel Blade Damper, Add	*74.82*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.18	26.39
		For Stainless Steel, Add	*267.49*	
		For Parallel Blade Damper, Add	*82.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.73	28.47
		For Stainless Steel, Add	*283.66*	
		For Parallel Blade Damper, Add	*87.28*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	325.40	30.55
		For Stainless Steel, Add	*303.89*	
		For Parallel Blade Damper, Add	*93.50*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.08	32.50
		For Stainless Steel, Add	*324.12*	
		For Parallel Blade Damper, Add	*99.73*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.02	36.66
		For Stainless Steel, Add	*348.45*	
		For Parallel Blade Damper, Add	*107.22*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	409.00	40.69
		For Stainless Steel, Add	*372.84*	
		For Parallel Blade Damper, Add	*114.72*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	452.47	42.77
		For Stainless Steel, Add	*421.41*	
		For Parallel Blade Damper, Add	*129.66*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.85	46.80
		For Stainless Steel, Add	*461.92*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	279.08	24.44
		For Stainless Steel, Add	*267.49*	
		For Parallel Blade Damper, Add	*82.30*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.38	26.39
		For Stainless Steel, Add	*275.55*	
		For Parallel Blade Damper, Add	*84.78*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.73	28.47
		For Stainless Steel, Add	*283.66*	
		For Parallel Blade Damper, Add	*87.28*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.28	30.55
		For Stainless Steel, Add	*299.83*	
		For Parallel Blade Damper, Add	*92.26*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	348.29	32.50
		For Stainless Steel, Add	*325.69*	
		For Parallel Blade Damper, Add	*100.21*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.02	36.66
		For Stainless Steel, Add	*348.45*	
		For Parallel Blade Damper, Add	*107.22*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.24	40.69
		For Stainless Steel, Add	*380.95*	
		For Parallel Blade Damper, Add	*117.22*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	452.38	44.72
		For Stainless Steel, Add	*413.35*	
		For Parallel Blade Damper, Add	*127.18*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.85	46.80
		For Stainless Steel, Add	*461.92*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.30	50.10
		For Stainless Steel, Add	*518.70*	
		For Parallel Blade Damper, Add	*159.60*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	607.74	52.91
		For Stainless Steel, Add	*583.54*	
		For Parallel Blade Damper, Add	*179.55*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.86	26.39
		For Stainless Steel, Add	*291.77*	
		For Parallel Blade Damper, Add	*89.78*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.41	28.47
		For Stainless Steel, Add	*307.94*	
		For Parallel Blade Damper, Add	*94.75*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.96	30.55
		For Stainless Steel, Add	*324.12*	
		For Parallel Blade Damper, Add	*99.73*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.80	32.50
		For Stainless Steel, Add	*348.45*	
		For Parallel Blade Damper, Add	*107.22*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.42	36.66
		For Stainless Steel, Add	*360.67*	
		For Parallel Blade Damper, Add	*110.98*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	402.89	38.61
		For Stainless Steel, Add	*372.84*	
		For Parallel Blade Damper, Add	*114.72*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	452.38	44.72
		For Stainless Steel, Add	*413.35*	
		For Parallel Blade Damper, Add	*127.18*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.72	48.88
		For Stainless Steel, Add	*453.80*	
		For Parallel Blade Damper, Add	*139.63*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.04	50.47
		For Stainless Steel, Add	*502.48*	
		For Parallel Blade Damper, Add	*154.61*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	598.88	54.13
		For Stainless Steel, Add	*567.27*	
		For Parallel Blade Damper, Add	*174.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	651.08	56.95
		For Stainless Steel, Add	*624.00*	
		For Parallel Blade Damper, Add	*192.00*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.07	59.02
		For Stainless Steel, Add	*688.84*	
		For Parallel Blade Damper, Add	*211.95*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.17	30.55
		For Stainless Steel, Add	*299.83*	
		For Parallel Blade Damper, Add	*92.26*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.20	32.50
		For Stainless Steel, Add	*332.23*	
		For Parallel Blade Damper, Add	*102.22*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.56	34.58
		For Stainless Steel, Add	*340.34*	
		For Parallel Blade Damper, Add	*104.72*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.91	36.66
		For Stainless Steel, Add	*348.45*	
		For Parallel Blade Damper, Add	*107.22*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	405.97	38.61
		For Stainless Steel, Add	*376.84*	
		For Parallel Blade Damper, Add	*115.95*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.92	40.69
		For Stainless Steel, Add	*405.24*	
		For Parallel Blade Damper, Add	*124.69*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	477.17	46.80
		For Stainless Steel, Add	*437.63*	
		For Parallel Blade Damper, Add	*134.66*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.35	50.84
		For Stainless Steel, Add	*470.08*	
		For Parallel Blade Damper, Add	*144.64*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	561.52	54.13
		For Stainless Steel, Add	*518.70*	
		For Parallel Blade Damper, Add	*159.60*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	638.64	56.95
		For Stainless Steel, Add	*607.83*	
		For Parallel Blade Damper, Add	*187.02*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	685.77	60.24
		For Stainless Steel, Add	*656.40*	
		For Parallel Blade Damper, Add	*201.97*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	759.26	61.83
		For Stainless Steel, Add	*745.58*	
		For Parallel Blade Damper, Add	*229.41*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	831.40	65.13
		For Stainless Steel, Add	*826.64*	
		For Parallel Blade Damper, Add	*254.35*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	334.76	30.55
		For Stainless Steel, Add	*316.06*	
		For Parallel Blade Damper, Add	*97.25*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.80	32.50
		For Stainless Steel, Add	*348.45*	
		For Parallel Blade Damper, Add	*107.22*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	390.67	34.58
		For Stainless Steel, Add	*372.84*	
		For Parallel Blade Damper, Add	*114.72*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.02	36.66
		For Stainless Steel, Add	*380.95*	
		For Parallel Blade Damper, Add	*117.22*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.05	38.61
		For Stainless Steel, Add	*413.35*	
		For Parallel Blade Damper, Add	*127.18*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	465.08	40.69
		For Stainless Steel, Add	*445.74*	
		For Parallel Blade Damper, Add	*137.15*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	520.72	48.88
		For Stainless Steel, Add	*486.30*	
		For Parallel Blade Damper, Add	*149.63*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	564.06	52.91
		For Stainless Steel, Add	*526.76*	
		For Parallel Blade Damper, Add	*162.08*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	638.64	56.95
		For Stainless Steel, Add	*607.83*	
		For Parallel Blade Damper, Add	*187.02*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	706.98	61.10
		For Stainless Steel, Add	*680.78*	
		For Parallel Blade Damper, Add	*209.47*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	781.48	65.13
		For Stainless Steel, Add	*761.75*	
		For Parallel Blade Damper, Add	*234.38*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	843.71	67.08
		For Stainless Steel, Add	*834.70*	
		For Parallel Blade Damper, Add	*256.83*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	905.94	69.17
		For Stainless Steel, Add	*907.66*	
		For Parallel Blade Damper, Add	*279.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	968.17	71.24
		For Stainless Steel, Add	*980.62*	
		For Parallel Blade Damper, Add	*301.73*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.56	32.50
		For Stainless Steel, Add	*340.34*	
		For Parallel Blade Damper, Add	*104.72*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	390.67	34.58
		For Stainless Steel, Add	*372.84*	
		For Parallel Blade Damper, Add	*114.72*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.02	36.66
		For Stainless Steel, Add	*380.95*	
		For Parallel Blade Damper, Add	*117.22*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.92	40.69
		For Stainless Steel, Add	*405.24*	
		For Parallel Blade Damper, Add	*124.69*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.06	44.72
		For Stainless Steel, Add	*437.63*	
		For Parallel Blade Damper, Add	*134.66*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	508.24	48.88
		For Stainless Steel, Add	*470.08*	
		For Parallel Blade Damper, Add	*144.64*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	557.86	52.91
		For Stainless Steel, Add	*518.70*	
		For Parallel Blade Damper, Add	*159.60*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	607.44	56.95
		For Stainless Steel, Add	*567.27*	
		For Parallel Blade Damper, Add	*174.54*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	675.78	61.10
		For Stainless Steel, Add	*640.22*	
		For Parallel Blade Damper, Add	*196.99*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	756.56	65.13
		For Stainless Steel, Add	*729.35*	
		For Parallel Blade Damper, Add	*224.42*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	818.84	67.08
		For Stainless Steel, Add	*802.37*	
		For Parallel Blade Damper, Add	*246.88*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	899.70	69.17
		For Stainless Steel, Add	*899.55*	
		For Parallel Blade Damper, Add	*276.78*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	968.04	73.19
		For Stainless Steel, Add	*972.50*	
		For Parallel Blade Damper, Add	*299.23*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,048.95	75.28
		For Stainless Steel, Add	*1,069.74*	
		For Parallel Blade Damper, Add	*329.15*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,117.15	81.39
		For Stainless Steel, Add	*1,134.59*	
		For Parallel Blade Damper, Add	*349.10*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.43	34.58
		For Stainless Steel, Add	*364.73*	
		For Parallel Blade Damper, Add	*112.22*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.46	36.66
		For Stainless Steel, Add	*397.12*	
		For Parallel Blade Damper, Add	*122.19*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	452.60	40.69
		For Stainless Steel, Add	*429.52*	
		For Parallel Blade Damper, Add	*132.16*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.06	44.72
		For Stainless Steel, Add	*437.63*	
		For Parallel Blade Damper, Add	*134.66*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	511.36	48.88
		For Stainless Steel, Add	*474.14*	
		For Parallel Blade Damper, Add	*145.89*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	551.62	52.91
		For Stainless Steel, Add	*510.59*	
		For Parallel Blade Damper, Add	*157.10*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	601.24	56.95
		For Stainless Steel, Add	*559.21*	
		For Parallel Blade Damper, Add	*172.06*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	650.86	61.10
		For Stainless Steel, Add	*607.83*	
		For Parallel Blade Damper, Add	*187.02*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	719.20	65.13
		For Stainless Steel, Add	*680.78*	
		For Parallel Blade Damper, Add	*209.47*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	806.18	69.17
		For Stainless Steel, Add	*777.97*	
		For Parallel Blade Damper, Add	*239.38*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	874.61	71.24
		For Stainless Steel, Add	*858.99*	
		For Parallel Blade Damper, Add	*264.30*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	961.80	73.19
		For Stainless Steel, Add	*964.39*	
		For Parallel Blade Damper, Add	*296.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,048.78	77.35
		For Stainless Steel, Add	*1,061.58*	
		For Parallel Blade Damper, Add	*326.64*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,117.15	81.39
		For Stainless Steel, Add	*1,134.59*	
		For Parallel Blade Damper, Add	*349.10*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,210.28	87.50
		For Stainless Steel, Add	*1,231.83*	
		For Parallel Blade Damper, Add	*379.02*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,284.87	91.52
		For Stainless Steel, Add	*1,312.91*	
		For Parallel Blade Damper, Add	*403.97*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.02	36.66
		For Stainless Steel, Add	*380.95*	
		For Parallel Blade Damper, Add	*117.22*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.36	40.69
		For Stainless Steel, Add	*421.41*	
		For Parallel Blade Damper, Add	*129.66*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	477.30	44.72
		For Stainless Steel, Add	*445.74*	
		For Parallel Blade Damper, Add	*137.15*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.72	48.88
		For Stainless Steel, Add	*453.80*	
		For Parallel Blade Damper, Add	*139.63*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	542.26	52.91
		For Stainless Steel, Add	*498.42*	
		For Parallel Blade Damper, Add	*153.36*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	588.76	56.95
		For Stainless Steel, Add	*542.98*	
		For Parallel Blade Damper, Add	*167.07*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.26	61.10
		For Stainless Steel, Add	*587.55*	
		For Parallel Blade Damper, Add	*180.78*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	681.76	65.13
		For Stainless Steel, Add	*632.11*	
		For Parallel Blade Damper, Add	*194.50*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	768.78	69.17
		For Stainless Steel, Add	*729.35*	
		For Parallel Blade Damper, Add	*224.42*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	849.73	71.24
		For Stainless Steel, Add	*826.64*	
		For Parallel Blade Damper, Add	*254.35*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	924.40	73.19
		For Stainless Steel, Add	*915.77*	
		For Parallel Blade Damper, Add	*281.78*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,023.90	77.35
		For Stainless Steel, Add	*1,029.24*	
		For Parallel Blade Damper, Add	*316.69*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,110.91	81.39
		For Stainless Steel, Add	*1,126.48*	
		For Parallel Blade Damper, Add	*346.61*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,204.17	85.41
		For Stainless Steel, Add	*1,231.83*	
		For Parallel Blade Damper, Add	*379.02*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,278.76	89.57
		For Stainless Steel, Add	*1,312.91*	
		For Parallel Blade Damper, Add	*403.97*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,372.02	93.61
		For Stainless Steel, Add	*1,418.26*	
		For Parallel Blade Damper, Add	*436.39*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,465.29	97.63
		For Stainless Steel, Add	*1,523.61*	
		For Parallel Blade Damper, Add	*468.80*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.92	40.69
		For Stainless Steel, Add	*405.24*	
		For Parallel Blade Damper, Add	*124.69*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	477.30	44.72
		For Stainless Steel, Add	*445.74*	
		For Parallel Blade Damper, Add	*137.15*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.96	48.88
		For Stainless Steel, Add	*461.92*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	520.46	52.91
		For Stainless Steel, Add	*470.08*	
		For Parallel Blade Damper, Add	*144.64*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	570.08	56.95
		For Stainless Steel, Add	*518.70*	
		For Parallel Blade Damper, Add	*159.60*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	619.66	61.10
		For Stainless Steel, Add	*567.27*	
		For Parallel Blade Damper, Add	*174.54*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.40	65.13
		For Stainless Steel, Add	*619.94*	
		For Parallel Blade Damper, Add	*190.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	725.14	69.17
		For Stainless Steel, Add	*672.62*	
		For Parallel Blade Damper, Add	*206.96*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	812.29	71.24
		For Stainless Steel, Add	*777.97*	
		For Parallel Blade Damper, Add	*239.38*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	893.20	73.19
		For Stainless Steel, Add	*875.21*	
		For Parallel Blade Damper, Add	*269.30*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	986.50	77.35
		For Stainless Steel, Add	*980.62*	
		For Parallel Blade Damper, Add	*301.73*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,079.75	81.39
		For Stainless Steel, Add	*1,085.97*	
		For Parallel Blade Damper, Add	*334.14*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,154.29	85.41
		For Stainless Steel, Add	*1,166.98*	
		For Parallel Blade Damper, Add	*359.07*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,266.23	89.57
		For Stainless Steel, Add	*1,296.62*	
		For Parallel Blade Damper, Add	*398.96*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,365.73	93.61
		For Stainless Steel, Add	*1,410.08*	
		For Parallel Blade Damper, Add	*433.87*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,465.29	97.63
		For Stainless Steel, Add	*1,523.61*	
		For Parallel Blade Damper, Add	*468.80*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,552.22	101.79
		For Stainless Steel, Add	*1,620.74*	
		For Parallel Blade Damper, Add	*498.69*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,639.33	105.83
		For Stainless Steel, Add	*1,718.09*	
		For Parallel Blade Damper, Add	*528.64*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	140.93	13.20
		For Smoke Damper, Add	*86.03*	
		For Spring Activated Horizontal Mount Operation, Add	*22.77*	
		For Dynamic Damper, Add	*54.65*	
		For 3 Hour Rated, Add	*30.36*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	196.14	13.20
		For Smoke Damper, Add	*132.96*	
		For Spring Activated Horizontal Mount Operation, Add	*35.19*	
		For Dynamic Damper, Add	*84.47*	
		For 3 Hour Rated, Add	*46.93*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.54	13.57
		For Spring Activated Horizontal Mount Operation, Add	*6.72*	
		For Dynamic Damper, Add	*16.12*	
		For 3 Hour Rated, Add	*8.96*	
		For Cap Of Damper Blades Outside Air Stream, Add	*7.46*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.49	14.17
		For Spring Activated Horizontal Mount Operation, Add	*7.19*	
		For Dynamic Damper, Add	*17.26*	
		For 3 Hour Rated, Add	*9.59*	
		For Cap Of Damper Blades Outside Air Stream, Add	*7.99*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.87	14.29
		For Spring Activated Horizontal Mount Operation, Add	*7.67*	
		For Dynamic Damper, Add	*18.41*	
		For 3 Hour Rated, Add	*10.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.53*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.87	14.29
		For Spring Activated Horizontal Mount Operation, Add	*7.67*	
		For Dynamic Damper, Add	*18.41*	
		For 3 Hour Rated, Add	*10.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.53*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.23	14.67
		For Spring Activated Horizontal Mount Operation, Add	*8.15*	
		For Dynamic Damper, Add	*19.56*	
		For 3 Hour Rated, Add	*10.87*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.06*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.37	16.26
		For Spring Activated Horizontal Mount Operation, Add	*9.11*	
		For Dynamic Damper, Add	*21.86*	
		For 3 Hour Rated, Add	*12.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.23	14.67
		For Spring Activated Horizontal Mount Operation, Add	*8.15*	
		For Dynamic Damper, Add	*19.56*	
		For 3 Hour Rated, Add	*10.87*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.06*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.92	15.52
		For Spring Activated Horizontal Mount Operation, Add	*9.11*	
		For Dynamic Damper, Add	*21.86*	
		For 3 Hour Rated, Add	*12.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.12*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.50	16.26
		For Spring Activated Horizontal Mount Operation, Add	*9.59*	
		For Dynamic Damper, Add	*23.01*	
		For 3 Hour Rated, Add	*12.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.66*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.75	18.33
		For Spring Activated Horizontal Mount Operation, Add	*10.07*	
		For Dynamic Damper, Add	*24.17*	
		For 3 Hour Rated, Add	*13.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.19*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.86	15.52
		For Spring Activated Horizontal Mount Operation, Add	*8.87*	
		For Dynamic Damper, Add	*21.29*	
		For 3 Hour Rated, Add	*11.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.86*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.50	16.26
		For Spring Activated Horizontal Mount Operation, Add	*9.59*	
		For Dynamic Damper, Add	*23.01*	
		For 3 Hour Rated, Add	*12.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.66*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.08	17.11
		For Spring Activated Horizontal Mount Operation, Add	*10.07*	
		For Dynamic Damper, Add	*24.17*	
		For 3 Hour Rated, Add	*13.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.19*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.89	18.33
		For Spring Activated Horizontal Mount Operation, Add	*10.55*	
		For Dynamic Damper, Add	*25.33*	
		For 3 Hour Rated, Add	*14.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.73*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.33	20.40
		For Spring Activated Horizontal Mount Operation, Add	*11.75*	
		For Dynamic Damper, Add	*28.20*	
		For 3 Hour Rated, Add	*15.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.06*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.50	16.26
		For Spring Activated Horizontal Mount Operation, Add	*9.59*	
		For Dynamic Damper, Add	*23.01*	
		For 3 Hour Rated, Add	*12.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.66*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.30	17.47
		For Spring Activated Horizontal Mount Operation, Add	*10.07*	
		For Dynamic Damper, Add	*24.17*	
		For 3 Hour Rated, Add	*13.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.19*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.33	19.18
		For Spring Activated Horizontal Mount Operation, Add	*10.55*	
		For Dynamic Damper, Add	*25.33*	
		For 3 Hour Rated, Add	*14.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.73*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.11	20.40
		For Spring Activated Horizontal Mount Operation, Add	*11.03*	
		For Dynamic Damper, Add	*26.47*	
		For 3 Hour Rated, Add	*14.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.25*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.57	22.36
		For Spring Activated Horizontal Mount Operation, Add	*12.23*	
		For Dynamic Damper, Add	*29.35*	
		For 3 Hour Rated, Add	*16.31*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.59*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.01	24.44
		For Spring Activated Horizontal Mount Operation, Add	*13.43*	
		For Dynamic Damper, Add	*32.23*	
		For 3 Hour Rated, Add	*17.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.92*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.08	17.11
		For Spring Activated Horizontal Mount Operation, Add	*10.07*	
		For Dynamic Damper, Add	*24.17*	
		For 3 Hour Rated, Add	*13.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.19*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.94	18.33
		For Spring Activated Horizontal Mount Operation, Add	*10.79*	
		For Dynamic Damper, Add	*25.89*	
		For 3 Hour Rated, Add	*14.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.27	20.40
		For Spring Activated Horizontal Mount Operation, Add	*11.51*	
		For Dynamic Damper, Add	*27.63*	
		For 3 Hour Rated, Add	*15.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.79*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.71	22.36
		For Spring Activated Horizontal Mount Operation, Add	*12.71*	
		For Dynamic Damper, Add	*30.51*	
		For 3 Hour Rated, Add	*16.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.13*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.07	24.44
		For Spring Activated Horizontal Mount Operation, Add	*13.67*	
		For Dynamic Damper, Add	*32.81*	
		For 3 Hour Rated, Add	*18.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.19*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.50	26.39
		For Spring Activated Horizontal Mount Operation, Add	*14.87*	
		For Dynamic Damper, Add	*35.68*	
		For 3 Hour Rated, Add	*19.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.81	28.47
		For Spring Activated Horizontal Mount Operation, Add	*15.59*	
		For Dynamic Damper, Add	*37.41*	
		For 3 Hour Rated, Add	*20.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.32*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.89	18.33
		For Spring Activated Horizontal Mount Operation, Add	*10.55*	
		For Dynamic Damper, Add	*25.33*	
		For 3 Hour Rated, Add	*14.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.73*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.25	20.40
		For Spring Activated Horizontal Mount Operation, Add	*11.51*	
		For Dynamic Damper, Add	*27.62*	
		For 3 Hour Rated, Add	*15.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.79*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.63	22.36
		For Spring Activated Horizontal Mount Operation, Add	*12.47*	
		For Dynamic Damper, Add	*29.93*	
		For 3 Hour Rated, Add	*16.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.86*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.28	24.44
		For Spring Activated Horizontal Mount Operation, Add	*14.39*	
		For Dynamic Damper, Add	*34.54*	
		For 3 Hour Rated, Add	*19.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.99*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.58	26.39
		For Spring Activated Horizontal Mount Operation, Add	*15.11*	
		For Dynamic Damper, Add	*36.27*	
		For 3 Hour Rated, Add	*20.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.79*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.88	28.47
		For Spring Activated Horizontal Mount Operation, Add	*15.83*	
		For Dynamic Damper, Add	*37.99*	
		For 3 Hour Rated, Add	*21.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.59*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.25	30.55
		For Spring Activated Horizontal Mount Operation, Add	*16.79*	
		For Dynamic Damper, Add	*40.29*	
		For 3 Hour Rated, Add	*22.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.65*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.62	32.50
		For Spring Activated Horizontal Mount Operation, Add	*17.74*	
		For Dynamic Damper, Add	*42.58*	
		For 3 Hour Rated, Add	*23.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.72*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.38	20.40
		For Spring Activated Horizontal Mount Operation, Add	*11.99*	
		For Dynamic Damper, Add	*28.77*	
		For 3 Hour Rated, Add	*15.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.32*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.90	22.36
		For Spring Activated Horizontal Mount Operation, Add	*13.43*	
		For Dynamic Damper, Add	*32.23*	
		For 3 Hour Rated, Add	*17.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.92*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.28	24.44
		For Spring Activated Horizontal Mount Operation, Add	*14.39*	
		For Dynamic Damper, Add	*34.54*	
		For 3 Hour Rated, Add	*19.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.99*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.77	26.39
		For Spring Activated Horizontal Mount Operation, Add	*15.83*	
		For Dynamic Damper, Add	*37.99*	
		For 3 Hour Rated, Add	*21.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.08	28.47
		For Spring Activated Horizontal Mount Operation, Add	*16.55*	
		For Dynamic Damper, Add	*39.72*	
		For 3 Hour Rated, Add	*22.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.39*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.38	30.55
		For Spring Activated Horizontal Mount Operation, Add	*17.27*	
		For Dynamic Damper, Add	*41.44*	
		For 3 Hour Rated, Add	*23.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.19*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.89	32.50
		For Spring Activated Horizontal Mount Operation, Add	*18.70*	
		For Dynamic Damper, Add	*44.89*	
		For 3 Hour Rated, Add	*24.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.78*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.50	36.66
		For Spring Activated Horizontal Mount Operation, Add	*20.14*	
		For Dynamic Damper, Add	*48.34*	
		For 3 Hour Rated, Add	*26.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.38*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.26	40.69
		For Spring Activated Horizontal Mount Operation, Add	*22.06*	
		For Dynamic Damper, Add	*52.95*	
		For 3 Hour Rated, Add	*29.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.52*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.90	22.36
		For Spring Activated Horizontal Mount Operation, Add	*13.43*	
		For Dynamic Damper, Add	*32.23*	
		For 3 Hour Rated, Add	*17.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.92*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.28	24.44
		For Spring Activated Horizontal Mount Operation, Add	*14.39*	
		For Dynamic Damper, Add	*34.54*	
		For 3 Hour Rated, Add	*19.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.99*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.77	26.39
		For Spring Activated Horizontal Mount Operation, Add	*15.83*	
		For Dynamic Damper, Add	*37.99*	
		For 3 Hour Rated, Add	*21.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.59*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.14	28.47
		For Spring Activated Horizontal Mount Operation, Add	*16.79*	
		For Dynamic Damper, Add	*40.29*	
		For 3 Hour Rated, Add	*22.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.65*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.58	30.55
		For Spring Activated Horizontal Mount Operation, Add	*17.99*	
		For Dynamic Damper, Add	*43.17*	
		For 3 Hour Rated, Add	*23.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.99*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.01	32.50
		For Spring Activated Horizontal Mount Operation, Add	*19.18*	
		For Dynamic Damper, Add	*46.04*	
		For 3 Hour Rated, Add	*25.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.31*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.63	36.66
		For Spring Activated Horizontal Mount Operation, Add	*20.62*	
		For Dynamic Damper, Add	*49.49*	
		For 3 Hour Rated, Add	*27.50*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.91*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.26	40.69
		For Spring Activated Horizontal Mount Operation, Add	*22.06*	
		For Dynamic Damper, Add	*52.95*	
		For 3 Hour Rated, Add	*29.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.52*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.15	42.77
		For Spring Activated Horizontal Mount Operation, Add	*24.94*	
		For Dynamic Damper, Add	*59.85*	
		For 3 Hour Rated, Add	*33.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.71*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.03	46.80
		For Spring Activated Horizontal Mount Operation, Add	*27.34*	
		For Dynamic Damper, Add	*65.61*	
		For 3 Hour Rated, Add	*36.45*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.38*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.67	24.44
		For Spring Activated Horizontal Mount Operation, Add	*15.83*	
		For Dynamic Damper, Add	*37.99*	
		For 3 Hour Rated, Add	*21.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.59*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.89	26.39
		For Spring Activated Horizontal Mount Operation, Add	*16.31*	
		For Dynamic Damper, Add	*39.13*	
		For 3 Hour Rated, Add	*21.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.14	28.47
		For Spring Activated Horizontal Mount Operation, Add	*16.79*	
		For Dynamic Damper, Add	*40.29*	
		For 3 Hour Rated, Add	*22.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.65*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.50	30.55
		For Spring Activated Horizontal Mount Operation, Add	*17.74*	
		For Dynamic Damper, Add	*42.58*	
		For 3 Hour Rated, Add	*23.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.72*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.42	32.50
		For Spring Activated Horizontal Mount Operation, Add	*19.27*	
		For Dynamic Damper, Add	*46.26*	
		For 3 Hour Rated, Add	*25.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.42*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.63	36.66
		For Spring Activated Horizontal Mount Operation, Add	*20.62*	
		For Dynamic Damper, Add	*49.49*	
		For 3 Hour Rated, Add	*27.50*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.91*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.40	40.69
		For Spring Activated Horizontal Mount Operation, Add	*22.55*	
		For Dynamic Damper, Add	*54.11*	
		For 3 Hour Rated, Add	*30.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.05*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.14	44.72
		For Spring Activated Horizontal Mount Operation, Add	*24.46*	
		For Dynamic Damper, Add	*58.71*	
		For 3 Hour Rated, Add	*32.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.18*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.03	46.80
		For Spring Activated Horizontal Mount Operation, Add	*27.34*	
		For Dynamic Damper, Add	*65.61*	
		For 3 Hour Rated, Add	*36.45*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.38*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.73	50.10
		For Spring Activated Horizontal Mount Operation, Add	*30.70*	
		For Dynamic Damper, Add	*73.67*	
		For 3 Hour Rated, Add	*40.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.11*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.34	52.91
		For Spring Activated Horizontal Mount Operation, Add	*34.53*	
		For Dynamic Damper, Add	*82.88*	
		For 3 Hour Rated, Add	*46.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.37*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.16	26.39
		For Spring Activated Horizontal Mount Operation, Add	*17.27*	
		For Dynamic Damper, Add	*41.44*	
		For 3 Hour Rated, Add	*23.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.19*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.52	28.47
		For Spring Activated Horizontal Mount Operation, Add	*18.22*	
		For Dynamic Damper, Add	*43.73*	
		For 3 Hour Rated, Add	*24.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.25*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.89	30.55
		For Spring Activated Horizontal Mount Operation, Add	*19.18*	
		For Dynamic Damper, Add	*46.04*	
		For 3 Hour Rated, Add	*25.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.31*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.41	32.50
		For Spring Activated Horizontal Mount Operation, Add	*20.62*	
		For Dynamic Damper, Add	*49.49*	
		For 3 Hour Rated, Add	*27.50*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.91*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.85	36.66
		For Spring Activated Horizontal Mount Operation, Add	*21.35*	
		For Dynamic Damper, Add	*51.23*	
		For 3 Hour Rated, Add	*28.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.72*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.15	38.61
		For Spring Activated Horizontal Mount Operation, Add	*22.06*	
		For Dynamic Damper, Add	*52.95*	
		For 3 Hour Rated, Add	*29.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.52*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.14	44.72
		For Spring Activated Horizontal Mount Operation, Add	*24.46*	
		For Dynamic Damper, Add	*58.71*	
		For 3 Hour Rated, Add	*32.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.18*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.00	48.88
		For Spring Activated Horizontal Mount Operation, Add	*26.86*	
		For Dynamic Damper, Add	*64.45*	
		For 3 Hour Rated, Add	*35.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.04	50.47
		For Spring Activated Horizontal Mount Operation, Add	*16.99*	
		For Dynamic Damper, Add	*40.78*	
		For 3 Hour Rated, Add	*22.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.88*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.73	54.13
		For Spring Activated Horizontal Mount Operation, Add	*33.57*	
		For Dynamic Damper, Add	*80.57*	
		For 3 Hour Rated, Add	*44.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.30*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.20	56.95
		For Spring Activated Horizontal Mount Operation, Add	*36.93*	
		For Dynamic Damper, Add	*88.62*	
		For 3 Hour Rated, Add	*49.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.03*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.36	59.02
		For Spring Activated Horizontal Mount Operation, Add	*40.76*	
		For Dynamic Damper, Add	*97.83*	
		For 3 Hour Rated, Add	*54.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.29*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.39	30.55
		For Spring Activated Horizontal Mount Operation, Add	*17.74*	
		For Dynamic Damper, Add	*42.58*	
		For 3 Hour Rated, Add	*23.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.72*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.02	32.50
		For Spring Activated Horizontal Mount Operation, Add	*19.66*	
		For Dynamic Damper, Add	*47.19*	
		For 3 Hour Rated, Add	*26.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.85*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.28	34.58
		For Spring Activated Horizontal Mount Operation, Add	*20.14*	
		For Dynamic Damper, Add	*48.34*	
		For 3 Hour Rated, Add	*26.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.38*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.52	36.66
		For Spring Activated Horizontal Mount Operation, Add	*20.62*	
		For Dynamic Damper, Add	*49.49*	
		For 3 Hour Rated, Add	*27.50*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.91*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.21	38.61
		For Spring Activated Horizontal Mount Operation, Add	*22.30*	
		For Dynamic Damper, Add	*53.52*	
		For 3 Hour Rated, Add	*29.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.78*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.79	40.69
		For Spring Activated Horizontal Mount Operation, Add	*23.98*	
		For Dynamic Damper, Add	*57.56*	
		For 3 Hour Rated, Add	*31.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.65*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.64	46.80
		For Spring Activated Horizontal Mount Operation, Add	*25.90*	
		For Dynamic Damper, Add	*62.16*	
		For 3 Hour Rated, Add	*34.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.78*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.39	50.84
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.95	54.13
		For Spring Activated Horizontal Mount Operation, Add	*30.70*	
		For Dynamic Damper, Add	*73.67*	
		For 3 Hour Rated, Add	*40.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.11*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.95	56.95
		For Spring Activated Horizontal Mount Operation, Add	*35.97*	
		For Dynamic Damper, Add	*86.33*	
		For 3 Hour Rated, Add	*47.96*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.97*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.50	60.24
		For Spring Activated Horizontal Mount Operation, Add	*38.85*	
		For Dynamic Damper, Add	*93.23*	
		For 3 Hour Rated, Add	*51.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.16*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.85	61.83
		For Spring Activated Horizontal Mount Operation, Add	*44.12*	
		For Dynamic Damper, Add	*105.90*	
		For 3 Hour Rated, Add	*58.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*49.03*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.95	65.13
		For Spring Activated Horizontal Mount Operation, Add	*48.92*	
		For Dynamic Damper, Add	*117.41*	
		For 3 Hour Rated, Add	*65.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.77	30.55
		For Spring Activated Horizontal Mount Operation, Add	*18.70*	
		For Dynamic Damper, Add	*44.89*	
		For 3 Hour Rated, Add	*24.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.78*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.41	32.50
		For Spring Activated Horizontal Mount Operation, Add	*20.62*	
		For Dynamic Damper, Add	*49.49*	
		For 3 Hour Rated, Add	*27.50*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.91*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.93	34.58
		For Spring Activated Horizontal Mount Operation, Add	*22.06*	
		For Dynamic Damper, Add	*52.95*	
		For 3 Hour Rated, Add	*29.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.52*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.18	36.66
		For Spring Activated Horizontal Mount Operation, Add	*22.55*	
		For Dynamic Damper, Add	*54.11*	
		For 3 Hour Rated, Add	*30.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.05*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.81	38.61
		For Spring Activated Horizontal Mount Operation, Add	*24.46*	
		For Dynamic Damper, Add	*58.71*	
		For 3 Hour Rated, Add	*32.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.18*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.45	40.69
		For Spring Activated Horizontal Mount Operation, Add	*26.38*	
		For Dynamic Damper, Add	*63.32*	
		For 3 Hour Rated, Add	*35.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.31*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.55	48.88
		For Spring Activated Horizontal Mount Operation, Add	*28.78*	
		For Dynamic Damper, Add	*69.07*	
		For 3 Hour Rated, Add	*38.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.98*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.41	52.91
		For Spring Activated Horizontal Mount Operation, Add	*31.17*	
		For Dynamic Damper, Add	*74.82*	
		For 3 Hour Rated, Add	*41.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.64*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.95	56.95
		For Spring Activated Horizontal Mount Operation, Add	*35.97*	
		For Dynamic Damper, Add	*86.33*	
		For 3 Hour Rated, Add	*47.96*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.97*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.36	61.10
		For Spring Activated Horizontal Mount Operation, Add	*40.29*	
		For Dynamic Damper, Add	*96.69*	
		For 3 Hour Rated, Add	*53.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.77*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.88	65.13
		For Spring Activated Horizontal Mount Operation, Add	*45.08*	
		For Dynamic Damper, Add	*108.19*	
		For 3 Hour Rated, Add	*60.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*50.09*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.17	67.08
		For Spring Activated Horizontal Mount Operation, Add	*49.40*	
		For Dynamic Damper, Add	*118.55*	
		For 3 Hour Rated, Add	*65.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.89*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.47	69.17
		For Spring Activated Horizontal Mount Operation, Add	*53.71*	
		For Dynamic Damper, Add	*128.91*	
		For 3 Hour Rated, Add	*71.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*59.68*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.78	71.24
		For Spring Activated Horizontal Mount Operation, Add	*58.03*	
		For Dynamic Damper, Add	*139.28*	
		For 3 Hour Rated, Add	*77.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.48*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.28	32.50
		For Spring Activated Horizontal Mount Operation, Add	*20.14*	
		For Dynamic Damper, Add	*48.34*	
		For 3 Hour Rated, Add	*26.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.38*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.93	34.58
		For Spring Activated Horizontal Mount Operation, Add	*22.06*	
		For Dynamic Damper, Add	*52.95*	
		For 3 Hour Rated, Add	*29.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.52*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.18	36.66
		For Spring Activated Horizontal Mount Operation, Add	*22.55*	
		For Dynamic Damper, Add	*54.11*	
		For 3 Hour Rated, Add	*30.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.79	40.69
		For Spring Activated Horizontal Mount Operation, Add	*23.98*	
		For Dynamic Damper, Add	*57.56*	
		For 3 Hour Rated, Add	*31.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.65*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.53	44.72
		For Spring Activated Horizontal Mount Operation, Add	*25.90*	
		For Dynamic Damper, Add	*62.16*	
		For 3 Hour Rated, Add	*34.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.78*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.28	48.88
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.29	52.91
		For Spring Activated Horizontal Mount Operation, Add	*30.70*	
		For Dynamic Damper, Add	*73.67*	
		For 3 Hour Rated, Add	*40.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.11*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.29	56.95
		For Spring Activated Horizontal Mount Operation, Add	*33.57*	
		For Dynamic Damper, Add	*80.57*	
		For 3 Hour Rated, Add	*44.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.30*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.70	61.10
		For Spring Activated Horizontal Mount Operation, Add	*37.89*	
		For Dynamic Damper, Add	*90.94*	
		For 3 Hour Rated, Add	*50.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.10*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.35	65.13
		For Spring Activated Horizontal Mount Operation, Add	*43.16*	
		For Dynamic Damper, Add	*103.59*	
		For 3 Hour Rated, Add	*57.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.96*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.67	67.08
		For Spring Activated Horizontal Mount Operation, Add	*47.48*	
		For Dynamic Damper, Add	*113.96*	
		For 3 Hour Rated, Add	*63.31*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.76*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.33	69.17
		For Spring Activated Horizontal Mount Operation, Add	*53.23*	
		For Dynamic Damper, Add	*127.76*	
		For 3 Hour Rated, Add	*70.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*59.15*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.76	73.19
		For Spring Activated Horizontal Mount Operation, Add	*57.56*	
		For Dynamic Damper, Add	*138.13*	
		For 3 Hour Rated, Add	*76.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.95*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.44	75.28
		For Spring Activated Horizontal Mount Operation, Add	*63.31*	
		For Dynamic Damper, Add	*151.94*	
		For 3 Hour Rated, Add	*84.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*70.34*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.81	81.39
		For Spring Activated Horizontal Mount Operation, Add	*67.14*	
		For Dynamic Damper, Add	*161.15*	
		For 3 Hour Rated, Add	*89.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.61*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.80	34.58
		For Spring Activated Horizontal Mount Operation, Add	*21.58*	
		For Dynamic Damper, Add	*51.80*	
		For 3 Hour Rated, Add	*28.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.98*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.43	36.66
		For Spring Activated Horizontal Mount Operation, Add	*23.50*	
		For Dynamic Damper, Add	*56.40*	
		For 3 Hour Rated, Add	*31.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.11*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.18	40.69
		For Spring Activated Horizontal Mount Operation, Add	*25.42*	
		For Dynamic Damper, Add	*61.01*	
		For 3 Hour Rated, Add	*33.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.25*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.53	44.72
		For Spring Activated Horizontal Mount Operation, Add	*25.90*	
		For Dynamic Damper, Add	*62.16*	
		For 3 Hour Rated, Add	*34.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.78*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.35	48.88
		For Spring Activated Horizontal Mount Operation, Add	*28.06*	
		For Dynamic Damper, Add	*67.34*	
		For 3 Hour Rated, Add	*37.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.16	52.91
		For Spring Activated Horizontal Mount Operation, Add	*30.22*	
		For Dynamic Damper, Add	*72.52*	
		For 3 Hour Rated, Add	*40.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.58*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.17	56.95
		For Spring Activated Horizontal Mount Operation, Add	*33.10*	
		For Dynamic Damper, Add	*79.43*	
		For 3 Hour Rated, Add	*44.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.77*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.17	61.10
		For Spring Activated Horizontal Mount Operation, Add	*35.97*	
		For Dynamic Damper, Add	*86.33*	
		For 3 Hour Rated, Add	*47.96*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.97*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.58	65.13
		For Spring Activated Horizontal Mount Operation, Add	*40.29*	
		For Dynamic Damper, Add	*96.69*	
		For 3 Hour Rated, Add	*53.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.77*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.37	69.17
		For Spring Activated Horizontal Mount Operation, Add	*46.04*	
		For Dynamic Damper, Add	*110.50*	
		For 3 Hour Rated, Add	*61.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.16*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.78	71.24
		For Spring Activated Horizontal Mount Operation, Add	*50.83*	
		For Dynamic Damper, Add	*122.00*	
		For 3 Hour Rated, Add	*67.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.48*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.62	73.19
		For Spring Activated Horizontal Mount Operation, Add	*57.07*	
		For Dynamic Damper, Add	*136.98*	
		For 3 Hour Rated, Add	*76.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.42*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.40	77.35
		For Spring Activated Horizontal Mount Operation, Add	*62.82*	
		For Dynamic Damper, Add	*150.78*	
		For 3 Hour Rated, Add	*83.77*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.81*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.81	81.39
		For Spring Activated Horizontal Mount Operation, Add	*67.14*	
		For Dynamic Damper, Add	*161.15*	
		For 3 Hour Rated, Add	*89.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.61*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.72	87.50
		For Spring Activated Horizontal Mount Operation, Add	*72.90*	
		For Dynamic Damper, Add	*174.96*	
		For 3 Hour Rated, Add	*97.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*81.00*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.26	91.52
		For Spring Activated Horizontal Mount Operation, Add	*77.70*	
		For Dynamic Damper, Add	*186.47*	
		For 3 Hour Rated, Add	*103.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*86.33*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.18	36.66
		For Spring Activated Horizontal Mount Operation, Add	*22.55*	
		For Dynamic Damper, Add	*54.11*	
		For 3 Hour Rated, Add	*30.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.05*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.04	40.69
		For Spring Activated Horizontal Mount Operation, Add	*24.94*	
		For Dynamic Damper, Add	*59.85*	
		For 3 Hour Rated, Add	*33.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.71*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.67	44.72
		For Spring Activated Horizontal Mount Operation, Add	*26.38*	
		For Dynamic Damper, Add	*63.32*	
		For 3 Hour Rated, Add	*35.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.31*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.00	48.88
		For Spring Activated Horizontal Mount Operation, Add	*26.86*	
		For Dynamic Damper, Add	*64.45*	
		For 3 Hour Rated, Add	*35.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.84*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.96	52.91
		For Spring Activated Horizontal Mount Operation, Add	*29.50*	
		For Dynamic Damper, Add	*70.79*	
		For 3 Hour Rated, Add	*39.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.78*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.90	56.95
		For Spring Activated Horizontal Mount Operation, Add	*32.13*	
		For Dynamic Damper, Add	*77.12*	
		For 3 Hour Rated, Add	*42.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.84	61.10
		For Spring Activated Horizontal Mount Operation, Add	*34.77*	
		For Dynamic Damper, Add	*83.45*	
		For 3 Hour Rated, Add	*46.36*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.64*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.78	65.13
		For Spring Activated Horizontal Mount Operation, Add	*37.41*	
		For Dynamic Damper, Add	*89.78*	
		For 3 Hour Rated, Add	*49.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.57*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.57	69.17
		For Spring Activated Horizontal Mount Operation, Add	*43.16*	
		For Dynamic Damper, Add	*103.59*	
		For 3 Hour Rated, Add	*57.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.96*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.28	71.24
		For Spring Activated Horizontal Mount Operation, Add	*48.92*	
		For Dynamic Damper, Add	*117.41*	
		For 3 Hour Rated, Add	*65.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.36*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.83	73.19
		For Spring Activated Horizontal Mount Operation, Add	*54.20*	
		For Dynamic Damper, Add	*130.07*	
		For 3 Hour Rated, Add	*72.26*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.22*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.89	77.35
		For Spring Activated Horizontal Mount Operation, Add	*60.91*	
		For Dynamic Damper, Add	*146.18*	
		For 3 Hour Rated, Add	*81.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*67.68*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.68	81.39
		For Spring Activated Horizontal Mount Operation, Add	*66.67*	
		For Dynamic Damper, Add	*160.00*	
		For 3 Hour Rated, Add	*88.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.07*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.61	85.41
		For Spring Activated Horizontal Mount Operation, Add	*72.90*	
		For Dynamic Damper, Add	*174.96*	
		For 3 Hour Rated, Add	*97.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*81.00*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.15	89.57
		For Spring Activated Horizontal Mount Operation, Add	*77.70*	
		For Dynamic Damper, Add	*186.47*	
		For 3 Hour Rated, Add	*103.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*86.33*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.08	93.61
		For Spring Activated Horizontal Mount Operation, Add	*83.93*	
		For Dynamic Damper, Add	*201.44*	
		For 3 Hour Rated, Add	*111.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*93.26*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.02	97.63
		For Spring Activated Horizontal Mount Operation, Add	*90.17*	
		For Dynamic Damper, Add	*216.40*	
		For 3 Hour Rated, Add	*120.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.19*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.79	40.69
		For Spring Activated Horizontal Mount Operation, Add	*23.98*	
		For Dynamic Damper, Add	*57.56*	
		For 3 Hour Rated, Add	*31.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.65*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.67	44.72
		For Spring Activated Horizontal Mount Operation, Add	*26.38*	
		For Dynamic Damper, Add	*63.32*	
		For 3 Hour Rated, Add	*35.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.31*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.14	48.88
		For Spring Activated Horizontal Mount Operation, Add	*27.34*	
		For Dynamic Damper, Add	*65.61*	
		For 3 Hour Rated, Add	*36.45*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.38*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.50	52.91
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.51	56.95
		For Spring Activated Horizontal Mount Operation, Add	*30.70*	
		For Dynamic Damper, Add	*73.67*	
		For 3 Hour Rated, Add	*40.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.11*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.51	61.10
		For Spring Activated Horizontal Mount Operation, Add	*33.57*	
		For Dynamic Damper, Add	*80.57*	
		For 3 Hour Rated, Add	*44.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.59	65.13
		For Spring Activated Horizontal Mount Operation, Add	*36.69*	
		For Dynamic Damper, Add	*88.06*	
		For 3 Hour Rated, Add	*48.92*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.77*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.66	69.17
		For Spring Activated Horizontal Mount Operation, Add	*39.81*	
		For Dynamic Damper, Add	*95.54*	
		For 3 Hour Rated, Add	*53.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.23*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.48	71.24
		For Spring Activated Horizontal Mount Operation, Add	*46.04*	
		For Dynamic Damper, Add	*110.50*	
		For 3 Hour Rated, Add	*61.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.16*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.16	73.19
		For Spring Activated Horizontal Mount Operation, Add	*51.80*	
		For Dynamic Damper, Add	*124.31*	
		For 3 Hour Rated, Add	*69.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*57.55*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.11	77.35
		For Spring Activated Horizontal Mount Operation, Add	*58.03*	
		For Dynamic Damper, Add	*139.28*	
		For 3 Hour Rated, Add	*77.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.48*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.03	81.39
		For Spring Activated Horizontal Mount Operation, Add	*64.27*	
		For Dynamic Damper, Add	*154.25*	
		For 3 Hour Rated, Add	*85.69*	
		For Cap Of Damper Blades Outside Air Stream, Add	*71.41*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	563.56	85.41
		For Spring Activated Horizontal Mount Operation, Add	*69.06*	
		For Dynamic Damper, Add	*165.75*	
		For 3 Hour Rated, Add	*92.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.74*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.87	89.57
		For Spring Activated Horizontal Mount Operation, Add	*76.73*	
		For Dynamic Damper, Add	*184.16*	
		For 3 Hour Rated, Add	*102.31*	
		For Cap Of Damper Blades Outside Air Stream, Add	*85.26*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.94	93.61
		For Spring Activated Horizontal Mount Operation, Add	*83.45*	
		For Dynamic Damper, Add	*200.28*	
		For 3 Hour Rated, Add	*111.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.72*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.02	97.63
		For Spring Activated Horizontal Mount Operation, Add	*90.17*	
		For Dynamic Damper, Add	*216.40*	
		For 3 Hour Rated, Add	*120.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.19*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	731.79	101.79
		For Spring Activated Horizontal Mount Operation, Add	*95.92*	
		For Dynamic Damper, Add	*230.20*	
		For 3 Hour Rated, Add	*127.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*106.57*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	769.62	105.83
		For Spring Activated Horizontal Mount Operation, Add	*101.68*	
		For Dynamic Damper, Add	*244.03*	
		For 3 Hour Rated, Add	*135.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*112.98*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.45	13.57
		For Spring Activated Horizontal Mount Operation, Add	*13.90*	
		For Dynamic Damper, Add	*33.35*	
		For 3 Hour Rated, Add	*18.53*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.93	14.17
		For Spring Activated Horizontal Mount Operation, Add	*14.49*	
		For Dynamic Damper, Add	*34.78*	
		For 3 Hour Rated, Add	*19.32*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.84	14.29
		For Spring Activated Horizontal Mount Operation, Add	*15.09*	
		For Dynamic Damper, Add	*36.22*	
		For 3 Hour Rated, Add	*20.12*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.84	14.29
		For Spring Activated Horizontal Mount Operation, Add	*15.09*	
		For Dynamic Damper, Add	*36.22*	
		For 3 Hour Rated, Add	*20.12*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.75	14.67
		For Spring Activated Horizontal Mount Operation, Add	*15.69*	
		For Dynamic Damper, Add	*37.67*	
		For 3 Hour Rated, Add	*20.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.94	16.26
		For Spring Activated Horizontal Mount Operation, Add	*16.89*	
		For Dynamic Damper, Add	*40.53*	
		For 3 Hour Rated, Add	*22.52*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.75	14.67
		For Spring Activated Horizontal Mount Operation, Add	*15.69*	
		For Dynamic Damper, Add	*37.67*	
		For 3 Hour Rated, Add	*20.93*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.49	15.52
		For Spring Activated Horizontal Mount Operation, Add	*16.89*	
		For Dynamic Damper, Add	*40.53*	
		For 3 Hour Rated, Add	*22.52*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.61	16.26
		For Spring Activated Horizontal Mount Operation, Add	*17.49*	
		For Dynamic Damper, Add	*41.97*	
		For 3 Hour Rated, Add	*23.32*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.40	18.33
		For Spring Activated Horizontal Mount Operation, Add	*18.09*	
		For Dynamic Damper, Add	*43.42*	
		For 3 Hour Rated, Add	*24.12*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.17	15.52
		For Spring Activated Horizontal Mount Operation, Add	*16.59*	
		For Dynamic Damper, Add	*39.82*	
		For 3 Hour Rated, Add	*22.12*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.61	16.26
		For Spring Activated Horizontal Mount Operation, Add	*17.49*	
		For Dynamic Damper, Add	*41.97*	
		For 3 Hour Rated, Add	*23.32*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.73	17.11
		For Spring Activated Horizontal Mount Operation, Add	*18.09*	
		For Dynamic Damper, Add	*43.42*	
		For 3 Hour Rated, Add	*24.12*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.05	18.33
		For Spring Activated Horizontal Mount Operation, Add	*18.69*	
		For Dynamic Damper, Add	*44.85*	
		For 3 Hour Rated, Add	*24.92*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.83	20.40
		For Spring Activated Horizontal Mount Operation, Add	*20.19*	
		For Dynamic Damper, Add	*48.45*	
		For 3 Hour Rated, Add	*26.92*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.45	16.26
		For Spring Activated Horizontal Mount Operation, Add	*24.43*	
		For Dynamic Damper, Add	*58.63*	
		For 3 Hour Rated, Add	*32.57*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.10	17.47
		For Spring Activated Horizontal Mount Operation, Add	*25.10*	
		For Dynamic Damper, Add	*60.24*	
		For 3 Hour Rated, Add	*33.47*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.99	19.18
		For Spring Activated Horizontal Mount Operation, Add	*25.78*	
		For Dynamic Damper, Add	*61.86*	
		For 3 Hour Rated, Add	*34.37*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.62	20.40
		For Spring Activated Horizontal Mount Operation, Add	*26.44*	
		For Dynamic Damper, Add	*63.46*	
		For 3 Hour Rated, Add	*35.26*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.21	22.36
		For Spring Activated Horizontal Mount Operation, Add	*28.13*	
		For Dynamic Damper, Add	*67.50*	
		For 3 Hour Rated, Add	*37.50*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.79	24.44
		For Spring Activated Horizontal Mount Operation, Add	*29.81*	
		For Dynamic Damper, Add	*71.53*	
		For 3 Hour Rated, Add	*39.74*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.88	17.11
		For Spring Activated Horizontal Mount Operation, Add	*25.10*	
		For Dynamic Damper, Add	*60.24*	
		For 3 Hour Rated, Add	*33.47*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.03	18.33
		For Spring Activated Horizontal Mount Operation, Add	*26.11*	
		For Dynamic Damper, Add	*62.66*	
		For 3 Hour Rated, Add	*34.81*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.64	20.40
		For Spring Activated Horizontal Mount Operation, Add	*27.12*	
		For Dynamic Damper, Add	*65.09*	
		For 3 Hour Rated, Add	*36.16*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.20	22.36
		For Spring Activated Horizontal Mount Operation, Add	*28.80*	
		For Dynamic Damper, Add	*69.11*	
		For 3 Hour Rated, Add	*38.40*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.27	24.44
		For Spring Activated Horizontal Mount Operation, Add	*30.14*	
		For Dynamic Damper, Add	*72.33*	
		For 3 Hour Rated, Add	*40.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.84	26.39
		For Spring Activated Horizontal Mount Operation, Add	*31.82*	
		For Dynamic Damper, Add	*76.37*	
		For 3 Hour Rated, Add	*42.43*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.41	28.47
		For Spring Activated Horizontal Mount Operation, Add	*32.82*	
		For Dynamic Damper, Add	*78.78*	
		For 3 Hour Rated, Add	*43.76*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.55	18.33
		For Spring Activated Horizontal Mount Operation, Add	*25.78*	
		For Dynamic Damper, Add	*61.86*	
		For 3 Hour Rated, Add	*34.37*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.61	20.40
		For Spring Activated Horizontal Mount Operation, Add	*27.11*	
		For Dynamic Damper, Add	*65.08*	
		For 3 Hour Rated, Add	*36.15*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.70	22.36
		For Spring Activated Horizontal Mount Operation, Add	*28.46*	
		For Dynamic Damper, Add	*68.30*	
		For 3 Hour Rated, Add	*37.95*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.77	24.44
		For Spring Activated Horizontal Mount Operation, Add	*31.15*	
		For Dynamic Damper, Add	*74.76*	
		For 3 Hour Rated, Add	*41.54*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.34	26.39
		For Spring Activated Horizontal Mount Operation, Add	*32.16*	
		For Dynamic Damper, Add	*77.18*	
		For 3 Hour Rated, Add	*42.88*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.91	28.47
		For Spring Activated Horizontal Mount Operation, Add	*33.16*	
		For Dynamic Damper, Add	*79.59*	
		For 3 Hour Rated, Add	*44.21*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.99	30.55
		For Spring Activated Horizontal Mount Operation, Add	*34.50*	
		For Dynamic Damper, Add	*82.81*	
		For 3 Hour Rated, Add	*46.01*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.06	32.50
		For Spring Activated Horizontal Mount Operation, Add	*35.84*	
		For Dynamic Damper, Add	*86.02*	
		For 3 Hour Rated, Add	*47.79*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.06	20.40
		For Spring Activated Horizontal Mount Operation, Add	*33.29*	
		For Dynamic Damper, Add	*79.90*	
		For 3 Hour Rated, Add	*44.39*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.13	22.36
		For Spring Activated Horizontal Mount Operation, Add	*35.31*	
		For Dynamic Damper, Add	*84.74*	
		For 3 Hour Rated, Add	*47.08*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.22	24.44
		For Spring Activated Horizontal Mount Operation, Add	*36.65*	
		For Dynamic Damper, Add	*87.97*	
		For 3 Hour Rated, Add	*48.87*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.25	26.39
		For Spring Activated Horizontal Mount Operation, Add	*38.66*	
		For Dynamic Damper, Add	*92.79*	
		For 3 Hour Rated, Add	*51.55*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.85	28.47
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.21*	
		For 3 Hour Rated, Add	*52.90*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.42	30.55
		For Spring Activated Horizontal Mount Operation, Add	*40.68*	
		For Dynamic Damper, Add	*97.62*	
		For 3 Hour Rated, Add	*54.23*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.49	32.50
		For Spring Activated Horizontal Mount Operation, Add	*42.69*	
		For Dynamic Damper, Add	*102.45*	
		For 3 Hour Rated, Add	*56.92*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.66	36.66
		For Spring Activated Horizontal Mount Operation, Add	*44.70*	
		For Dynamic Damper, Add	*107.29*	
		For 3 Hour Rated, Add	*59.60*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.83	40.69
		For Spring Activated Horizontal Mount Operation, Add	*47.39*	
		For Dynamic Damper, Add	*113.74*	
		For 3 Hour Rated, Add	*63.19*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.13	22.36
		For Spring Activated Horizontal Mount Operation, Add	*35.31*	
		For Dynamic Damper, Add	*84.74*	
		For 3 Hour Rated, Add	*47.08*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.22	24.44
		For Spring Activated Horizontal Mount Operation, Add	*36.65*	
		For Dynamic Damper, Add	*87.97*	
		For 3 Hour Rated, Add	*48.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.25	26.39
		For Spring Activated Horizontal Mount Operation, Add	*38.66*	
		For Dynamic Damper, Add	*92.79*	
		For 3 Hour Rated, Add	*51.55*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.33	28.47
		For Spring Activated Horizontal Mount Operation, Add	*40.01*	
		For Dynamic Damper, Add	*96.01*	
		For 3 Hour Rated, Add	*53.34*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.91	30.55
		For Spring Activated Horizontal Mount Operation, Add	*41.69*	
		For Dynamic Damper, Add	*100.05*	
		For 3 Hour Rated, Add	*55.58*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.46	32.50
		For Spring Activated Horizontal Mount Operation, Add	*43.36*	
		For Dynamic Damper, Add	*104.06*	
		For 3 Hour Rated, Add	*57.81*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.64	36.66
		For Spring Activated Horizontal Mount Operation, Add	*45.37*	
		For Dynamic Damper, Add	*108.90*	
		For 3 Hour Rated, Add	*60.50*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.83	40.69
		For Spring Activated Horizontal Mount Operation, Add	*47.39*	
		For Dynamic Damper, Add	*113.74*	
		For 3 Hour Rated, Add	*63.19*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.84	42.77
		For Spring Activated Horizontal Mount Operation, Add	*51.42*	
		For Dynamic Damper, Add	*123.41*	
		For 3 Hour Rated, Add	*68.56*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.99	46.80
		For Spring Activated Horizontal Mount Operation, Add	*54.78*	
		For Dynamic Damper, Add	*131.47*	
		For 3 Hour Rated, Add	*73.04*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.15	24.44
		For Spring Activated Horizontal Mount Operation, Add	*38.66*	
		For Dynamic Damper, Add	*92.79*	
		For 3 Hour Rated, Add	*51.55*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.22	26.39
		For Spring Activated Horizontal Mount Operation, Add	*39.33*	
		For Dynamic Damper, Add	*94.39*	
		For 3 Hour Rated, Add	*52.44*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.33	28.47
		For Spring Activated Horizontal Mount Operation, Add	*40.01*	
		For Dynamic Damper, Add	*96.01*	
		For 3 Hour Rated, Add	*53.34*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.39	30.55
		For Spring Activated Horizontal Mount Operation, Add	*41.34*	
		For Dynamic Damper, Add	*99.23*	
		For 3 Hour Rated, Add	*55.13*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.03	32.50
		For Spring Activated Horizontal Mount Operation, Add	*43.49*	
		For Dynamic Damper, Add	*104.37*	
		For 3 Hour Rated, Add	*57.98*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.64	36.66
		For Spring Activated Horizontal Mount Operation, Add	*45.37*	
		For Dynamic Damper, Add	*108.90*	
		For 3 Hour Rated, Add	*60.50*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.83	40.69
		For Spring Activated Horizontal Mount Operation, Add	*48.07*	
		For Dynamic Damper, Add	*115.36*	
		For 3 Hour Rated, Add	*64.09*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.98	44.72
		For Spring Activated Horizontal Mount Operation, Add	*50.75*	
		For Dynamic Damper, Add	*121.80*	
		For 3 Hour Rated, Add	*67.67*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.99	46.80
		For Spring Activated Horizontal Mount Operation, Add	*54.78*	
		For Dynamic Damper, Add	*131.47*	
		For 3 Hour Rated, Add	*73.04*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.65	50.10
		For Spring Activated Horizontal Mount Operation, Add	*59.48*	
		For Dynamic Damper, Add	*142.75*	
		For 3 Hour Rated, Add	*79.31*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.08	52.91
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.56	26.39
		For Spring Activated Horizontal Mount Operation, Add	*44.13*	
		For Dynamic Damper, Add	*105.92*	
		For 3 Hour Rated, Add	*58.84*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.47	28.47
		For Spring Activated Horizontal Mount Operation, Add	*45.66*	
		For Dynamic Damper, Add	*109.59*	
		For 3 Hour Rated, Add	*60.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.39	30.55
		For Spring Activated Horizontal Mount Operation, Add	*47.19*	
		For Dynamic Damper, Add	*113.27*	
		For 3 Hour Rated, Add	*62.93*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.76	32.50
		For Spring Activated Horizontal Mount Operation, Add	*49.50*	
		For Dynamic Damper, Add	*118.80*	
		For 3 Hour Rated, Add	*66.00*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.12	36.66
		For Spring Activated Horizontal Mount Operation, Add	*50.66*	
		For Dynamic Damper, Add	*121.58*	
		For 3 Hour Rated, Add	*67.54*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.34	38.61
		For Spring Activated Horizontal Mount Operation, Add	*51.81*	
		For Dynamic Damper, Add	*124.34*	
		For 3 Hour Rated, Add	*69.08*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.72	44.72
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.54*	
		For 3 Hour Rated, Add	*74.19*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.98	48.88
		For Spring Activated Horizontal Mount Operation, Add	*59.48*	
		For Dynamic Damper, Add	*142.74*	
		For 3 Hour Rated, Add	*79.30*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.33	50.47
		For Spring Activated Horizontal Mount Operation, Add	*64.08*	
		For Dynamic Damper, Add	*153.80*	
		For 3 Hour Rated, Add	*85.44*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.60	54.13
		For Spring Activated Horizontal Mount Operation, Add	*70.22*	
		For Dynamic Damper, Add	*168.52*	
		For 3 Hour Rated, Add	*93.62*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.02	56.95
		For Spring Activated Horizontal Mount Operation, Add	*75.59*	
		For Dynamic Damper, Add	*181.41*	
		For 3 Hour Rated, Add	*100.78*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.42	59.02
		For Spring Activated Horizontal Mount Operation, Add	*81.73*	
		For Dynamic Damper, Add	*196.14*	
		For 3 Hour Rated, Add	*108.97*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.51	30.55
		For Spring Activated Horizontal Mount Operation, Add	*50.40*	
		For Dynamic Damper, Add	*120.95*	
		For 3 Hour Rated, Add	*67.19*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.26	32.50
		For Spring Activated Horizontal Mount Operation, Add	*53.46*	
		For Dynamic Damper, Add	*128.31*	
		For 3 Hour Rated, Add	*71.29*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.79	34.58
		For Spring Activated Horizontal Mount Operation, Add	*54.23*	
		For Dynamic Damper, Add	*130.16*	
		For 3 Hour Rated, Add	*72.31*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.32	36.66
		For Spring Activated Horizontal Mount Operation, Add	*55.00*	
		For Dynamic Damper, Add	*132.00*	
		For 3 Hour Rated, Add	*73.34*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.49	38.61
		For Spring Activated Horizontal Mount Operation, Add	*57.69*	
		For Dynamic Damper, Add	*138.46*	
		For 3 Hour Rated, Add	*76.92*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.53	40.69
		For Spring Activated Horizontal Mount Operation, Add	*60.37*	
		For Dynamic Damper, Add	*144.90*	
		For 3 Hour Rated, Add	*80.50*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.50	46.80
		For Spring Activated Horizontal Mount Operation, Add	*63.44*	
		For Dynamic Damper, Add	*152.26*	
		For 3 Hour Rated, Add	*84.59*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.37	50.84
		For Spring Activated Horizontal Mount Operation, Add	*66.51*	
		For Dynamic Damper, Add	*159.63*	
		For 3 Hour Rated, Add	*88.69*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.61	54.13
		For Spring Activated Horizontal Mount Operation, Add	*71.12*	
		For Dynamic Damper, Add	*170.69*	
		For 3 Hour Rated, Add	*94.83*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.68	56.95
		For Spring Activated Horizontal Mount Operation, Add	*79.56*	
		For Dynamic Damper, Add	*190.94*	
		For 3 Hour Rated, Add	*106.08*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.89	60.24
		For Spring Activated Horizontal Mount Operation, Add	*84.16*	
		For Dynamic Damper, Add	*201.98*	
		For 3 Hour Rated, Add	*112.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.32	61.83
		For Spring Activated Horizontal Mount Operation, Add	*92.61*	
		For Dynamic Damper, Add	*222.25*	
		For 3 Hour Rated, Add	*123.47*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.19	65.13
		For Spring Activated Horizontal Mount Operation, Add	*100.28*	
		For Dynamic Damper, Add	*240.66*	
		For 3 Hour Rated, Add	*133.70*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.45	30.55
		For Spring Activated Horizontal Mount Operation, Add	*51.93*	
		For Dynamic Damper, Add	*124.64*	
		For 3 Hour Rated, Add	*69.24*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.21	32.50
		For Spring Activated Horizontal Mount Operation, Add	*55.00*	
		For Dynamic Damper, Add	*132.00*	
		For 3 Hour Rated, Add	*73.34*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.57	34.58
		For Spring Activated Horizontal Mount Operation, Add	*57.31*	
		For Dynamic Damper, Add	*137.54*	
		For 3 Hour Rated, Add	*76.41*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.09	36.66
		For Spring Activated Horizontal Mount Operation, Add	*58.07*	
		For Dynamic Damper, Add	*139.38*	
		For 3 Hour Rated, Add	*77.43*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.84	38.61
		For Spring Activated Horizontal Mount Operation, Add	*61.14*	
		For Dynamic Damper, Add	*146.75*	
		For 3 Hour Rated, Add	*81.53*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.60	40.69
		For Spring Activated Horizontal Mount Operation, Add	*64.22*	
		For Dynamic Damper, Add	*154.12*	
		For 3 Hour Rated, Add	*85.62*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.09	48.88
		For Spring Activated Horizontal Mount Operation, Add	*68.05*	
		For Dynamic Damper, Add	*163.32*	
		For 3 Hour Rated, Add	*90.74*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.34	52.91
		For Spring Activated Horizontal Mount Operation, Add	*71.88*	
		For Dynamic Damper, Add	*172.52*	
		For 3 Hour Rated, Add	*95.84*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.68	56.95
		For Spring Activated Horizontal Mount Operation, Add	*79.56*	
		For Dynamic Damper, Add	*190.94*	
		For 3 Hour Rated, Add	*106.08*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.59	61.10
		For Spring Activated Horizontal Mount Operation, Add	*86.47*	
		For Dynamic Damper, Add	*207.52*	
		For 3 Hour Rated, Add	*115.29*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	613.89	65.13
		For Spring Activated Horizontal Mount Operation, Add	*94.13*	
		For Dynamic Damper, Add	*225.92*	
		For 3 Hour Rated, Add	*125.51*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.69	67.08
		For Spring Activated Horizontal Mount Operation, Add	*101.04*	
		For Dynamic Damper, Add	*242.49*	
		For 3 Hour Rated, Add	*134.72*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.51	69.17
		For Spring Activated Horizontal Mount Operation, Add	*107.95*	
		For Dynamic Damper, Add	*259.08*	
		For 3 Hour Rated, Add	*143.93*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	724.33	71.24
		For Spring Activated Horizontal Mount Operation, Add	*114.86*	
		For Dynamic Damper, Add	*275.66*	
		For 3 Hour Rated, Add	*153.14*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.79	32.50
		For Spring Activated Horizontal Mount Operation, Add	*54.23*	
		For Dynamic Damper, Add	*130.16*	
		For 3 Hour Rated, Add	*72.31*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.57	34.58
		For Spring Activated Horizontal Mount Operation, Add	*57.31*	
		For Dynamic Damper, Add	*137.54*	
		For 3 Hour Rated, Add	*76.41*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.09	36.66
		For Spring Activated Horizontal Mount Operation, Add	*58.07*	
		For Dynamic Damper, Add	*139.38*	
		For 3 Hour Rated, Add	*77.43*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.53	40.69
		For Spring Activated Horizontal Mount Operation, Add	*60.37*	
		For Dynamic Damper, Add	*144.90*	
		For 3 Hour Rated, Add	*80.50*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.39	44.72
		For Spring Activated Horizontal Mount Operation, Add	*63.44*	
		For Dynamic Damper, Add	*152.26*	
		For 3 Hour Rated, Add	*84.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.26	48.88
		For Spring Activated Horizontal Mount Operation, Add	*66.51*	
		For Dynamic Damper, Add	*159.63*	
		For 3 Hour Rated, Add	*88.69*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.95	52.91
		For Spring Activated Horizontal Mount Operation, Add	*71.12*	
		For Dynamic Damper, Add	*170.69*	
		For 3 Hour Rated, Add	*94.83*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.61	56.95
		For Spring Activated Horizontal Mount Operation, Add	*75.72*	
		For Dynamic Damper, Add	*181.73*	
		For 3 Hour Rated, Add	*100.96*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.54	61.10
		For Spring Activated Horizontal Mount Operation, Add	*82.63*	
		For Dynamic Damper, Add	*198.31*	
		For 3 Hour Rated, Add	*110.17*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.25	65.13
		For Spring Activated Horizontal Mount Operation, Add	*91.06*	
		For Dynamic Damper, Add	*218.55*	
		For 3 Hour Rated, Add	*121.42*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.08	67.08
		For Spring Activated Horizontal Mount Operation, Add	*97.98*	
		For Dynamic Damper, Add	*235.14*	
		For 3 Hour Rated, Add	*130.64*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.09	69.17
		For Spring Activated Horizontal Mount Operation, Add	*107.18*	
		For Dynamic Damper, Add	*257.23*	
		For 3 Hour Rated, Add	*142.91*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	727.04	73.19
		For Spring Activated Horizontal Mount Operation, Add	*114.09*	
		For Dynamic Damper, Add	*273.82*	
		For 3 Hour Rated, Add	*152.12*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.06	75.28
		For Spring Activated Horizontal Mount Operation, Add	*123.30*	
		For Dynamic Damper, Add	*295.91*	
		For 3 Hour Rated, Add	*164.40*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	819.67	81.39
		For Spring Activated Horizontal Mount Operation, Add	*129.44*	
		For Dynamic Damper, Add	*310.65*	
		For 3 Hour Rated, Add	*172.58*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.15	34.58
		For Spring Activated Horizontal Mount Operation, Add	*56.54*	
		For Dynamic Damper, Add	*135.69*	
		For 3 Hour Rated, Add	*75.38*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.90	36.66
		For Spring Activated Horizontal Mount Operation, Add	*59.61*	
		For Dynamic Damper, Add	*143.06*	
		For 3 Hour Rated, Add	*79.48*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.77	40.69
		For Spring Activated Horizontal Mount Operation, Add	*62.68*	
		For Dynamic Damper, Add	*150.43*	
		For 3 Hour Rated, Add	*83.57*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.39	44.72
		For Spring Activated Horizontal Mount Operation, Add	*63.44*	
		For Dynamic Damper, Add	*152.26*	
		For 3 Hour Rated, Add	*84.59*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.98	48.88
		For Spring Activated Horizontal Mount Operation, Add	*66.90*	
		For Dynamic Damper, Add	*160.56*	
		For 3 Hour Rated, Add	*89.20*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.53	52.91
		For Spring Activated Horizontal Mount Operation, Add	*70.35*	
		For Dynamic Damper, Add	*168.84*	
		For 3 Hour Rated, Add	*93.80*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.22	56.95
		For Spring Activated Horizontal Mount Operation, Add	*74.96*	
		For Dynamic Damper, Add	*179.90*	
		For 3 Hour Rated, Add	*99.94*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.90	61.10
		For Spring Activated Horizontal Mount Operation, Add	*79.56*	
		For Dynamic Damper, Add	*190.94*	
		For 3 Hour Rated, Add	*106.08*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.81	65.13
		For Spring Activated Horizontal Mount Operation, Add	*86.47*	
		For Dynamic Damper, Add	*207.52*	
		For 3 Hour Rated, Add	*115.29*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.94	69.17
		For Spring Activated Horizontal Mount Operation, Add	*95.67*	
		For Dynamic Damper, Add	*229.61*	
		For 3 Hour Rated, Add	*127.56*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	673.15	71.24
		For Spring Activated Horizontal Mount Operation, Add	*103.34*	
		For Dynamic Damper, Add	*248.02*	
		For 3 Hour Rated, Add	*137.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	723.61	73.19
		For Spring Activated Horizontal Mount Operation, Add	*113.32*	
		For Dynamic Damper, Add	*271.97*	
		For 3 Hour Rated, Add	*151.10*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	776.73	77.35
		For Spring Activated Horizontal Mount Operation, Add	*122.52*	
		For Dynamic Damper, Add	*294.06*	
		For 3 Hour Rated, Add	*163.37*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	819.67	81.39
		For Spring Activated Horizontal Mount Operation, Add	*129.44*	
		For Dynamic Damper, Add	*310.65*	
		For 3 Hour Rated, Add	*172.58*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.91	87.50
		For Spring Activated Horizontal Mount Operation, Add	*138.64*	
		For Dynamic Damper, Add	*332.74*	
		For 3 Hour Rated, Add	*184.86*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	925.24	91.52
		For Spring Activated Horizontal Mount Operation, Add	*146.32*	
		For Dynamic Damper, Add	*351.16*	
		For 3 Hour Rated, Add	*195.09*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.09	36.66
		For Spring Activated Horizontal Mount Operation, Add	*58.07*	
		For Dynamic Damper, Add	*139.38*	
		For 3 Hour Rated, Add	*77.43*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.34	40.69
		For Spring Activated Horizontal Mount Operation, Add	*61.91*	
		For Dynamic Damper, Add	*148.58*	
		For 3 Hour Rated, Add	*82.54*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.82	44.72
		For Spring Activated Horizontal Mount Operation, Add	*64.22*	
		For Dynamic Damper, Add	*154.12*	
		For 3 Hour Rated, Add	*85.62*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.43	48.88
		For Spring Activated Horizontal Mount Operation, Add	*64.98*	
		For Dynamic Damper, Add	*155.95*	
		For 3 Hour Rated, Add	*86.64*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.42	52.91
		For Spring Activated Horizontal Mount Operation, Add	*69.20*	
		For Dynamic Damper, Add	*166.08*	
		For 3 Hour Rated, Add	*92.27*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.39	56.95
		For Spring Activated Horizontal Mount Operation, Add	*73.42*	
		For Dynamic Damper, Add	*176.21*	
		For 3 Hour Rated, Add	*97.89*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.37	61.10
		For Spring Activated Horizontal Mount Operation, Add	*77.64*	
		For Dynamic Damper, Add	*186.34*	
		For 3 Hour Rated, Add	*103.52*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.34	65.13
		For Spring Activated Horizontal Mount Operation, Add	*81.86*	
		For Dynamic Damper, Add	*196.46*	
		For 3 Hour Rated, Add	*109.15*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	612.47	69.17
		For Spring Activated Horizontal Mount Operation, Add	*91.06*	
		For Dynamic Damper, Add	*218.55*	
		For 3 Hour Rated, Add	*121.42*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.52	71.24
		For Spring Activated Horizontal Mount Operation, Add	*100.28*	
		For Dynamic Damper, Add	*240.66*	
		For 3 Hour Rated, Add	*133.70*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	703.14	73.19
		For Spring Activated Horizontal Mount Operation, Add	*108.72*	
		For Dynamic Damper, Add	*260.92*	
		For 3 Hour Rated, Add	*144.95*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	763.12	77.35
		For Spring Activated Horizontal Mount Operation, Add	*119.46*	
		For Dynamic Damper, Add	*286.71*	
		For 3 Hour Rated, Add	*159.28*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	816.24	81.39
		For Spring Activated Horizontal Mount Operation, Add	*128.67*	
		For Dynamic Damper, Add	*308.80*	
		For 3 Hour Rated, Add	*171.56*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	872.80	85.41
		For Spring Activated Horizontal Mount Operation, Add	*138.64*	
		For Dynamic Damper, Add	*332.74*	
		For 3 Hour Rated, Add	*184.86*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.13	89.57
		For Spring Activated Horizontal Mount Operation, Add	*146.32*	
		For Dynamic Damper, Add	*351.16*	
		For 3 Hour Rated, Add	*195.09*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	975.69	93.61
		For Spring Activated Horizontal Mount Operation, Add	*156.29*	
		For Dynamic Damper, Add	*375.11*	
		For 3 Hour Rated, Add	*208.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,032.26	97.63
		For Spring Activated Horizontal Mount Operation, Add	*166.27*	
		For Dynamic Damper, Add	*399.05*	
		For 3 Hour Rated, Add	*221.69*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.53	40.69
		For Spring Activated Horizontal Mount Operation, Add	*60.37*	
		For Dynamic Damper, Add	*144.90*	
		For 3 Hour Rated, Add	*80.50*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.82	44.72
		For Spring Activated Horizontal Mount Operation, Add	*64.22*	
		For Dynamic Damper, Add	*154.12*	
		For 3 Hour Rated, Add	*85.62*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.83	48.88
		For Spring Activated Horizontal Mount Operation, Add	*65.74*	
		For Dynamic Damper, Add	*157.78*	
		For 3 Hour Rated, Add	*87.66*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.48	52.91
		For Spring Activated Horizontal Mount Operation, Add	*66.51*	
		For Dynamic Damper, Add	*159.63*	
		For 3 Hour Rated, Add	*88.69*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.17	56.95
		For Spring Activated Horizontal Mount Operation, Add	*71.12*	
		For Dynamic Damper, Add	*170.69*	
		For 3 Hour Rated, Add	*94.83*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.83	61.10
		For Spring Activated Horizontal Mount Operation, Add	*75.72*	
		For Dynamic Damper, Add	*181.73*	
		For 3 Hour Rated, Add	*100.96*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.22	65.13
		For Spring Activated Horizontal Mount Operation, Add	*80.71*	
		For Dynamic Damper, Add	*193.70*	
		For 3 Hour Rated, Add	*107.61*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.61	69.17
		For Spring Activated Horizontal Mount Operation, Add	*85.70*	
		For Dynamic Damper, Add	*205.67*	
		For 3 Hour Rated, Add	*114.26*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.05	71.24
		For Spring Activated Horizontal Mount Operation, Add	*95.67*	
		For Dynamic Damper, Add	*229.61*	
		For 3 Hour Rated, Add	*127.56*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.09	73.19
		For Spring Activated Horizontal Mount Operation, Add	*104.88*	
		For Dynamic Damper, Add	*251.71*	
		For 3 Hour Rated, Add	*139.84*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	742.66	77.35
		For Spring Activated Horizontal Mount Operation, Add	*114.86*	
		For Dynamic Damper, Add	*275.66*	
		For 3 Hour Rated, Add	*153.14*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.21	81.39
		For Spring Activated Horizontal Mount Operation, Add	*124.83*	
		For Dynamic Damper, Add	*299.60*	
		For 3 Hour Rated, Add	*166.45*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	845.53	85.41
		For Spring Activated Horizontal Mount Operation, Add	*132.51*	
		For Dynamic Damper, Add	*318.02*	
		For 3 Hour Rated, Add	*176.68*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	912.31	89.57
		For Spring Activated Horizontal Mount Operation, Add	*144.78*	
		For Dynamic Damper, Add	*347.48*	
		For 3 Hour Rated, Add	*193.04*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	972.27	93.61
		For Spring Activated Horizontal Mount Operation, Add	*155.52*	
		For Dynamic Damper, Add	*373.26*	
		For 3 Hour Rated, Add	*207.37*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,032.26	97.63
		For Spring Activated Horizontal Mount Operation, Add	*166.27*	
		For Dynamic Damper, Add	*399.05*	
		For 3 Hour Rated, Add	*221.69*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,085.37	101.79
		For Spring Activated Horizontal Mount Operation, Add	*175.47*	
		For Dynamic Damper, Add	*421.13*	
		For 3 Hour Rated, Add	*233.96*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,138.56	105.83
		For Spring Activated Horizontal Mount Operation, Add	*184.69*	
		For Dynamic Damper, Add	*443.25*	
		For 3 Hour Rated, Add	*246.25*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	128.00	24.44
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	133.67	24.44
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	157.33	27.74
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	163.49	27.74
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	196.79	30.55
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	213.74	30.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	237.53	33.97
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	266.80	38.25
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	303.18	43.62
23 33 13 16-0358		Round 4 Hour Fire Damper *(23 33 13 16)*		
23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	144.16	27.74
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	159.60	27.74
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	180.81	30.55
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	200.73	30.55
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	227.49	33.97
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	239.63	33.97
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	267.17	38.25
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	295.46	43.62
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	344.71	50.96
23 33 13 19		**Smoke-Control Dampers** *(23 33 13)*		
23 33 13 19-0001		Combination Smoke/Fire Damper *(23 33 13 19)*		
		Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.53	20.34
		For Dynamic Damper, Add	*291.86*	
		For 3 Hour Rated, Add	*162.15*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.46	21.26
		For Dynamic Damper, Add	*298.99*	
		For 3 Hour Rated, Add	*166.10*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.21	21.45
		For Dynamic Damper, Add	*306.21*	
		For 3 Hour Rated, Add	*170.12*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.93	21.45
		For Dynamic Damper, Add	*287.16*	
		For 3 Hour Rated, Add	*159.53*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.22	21.99
		For Dynamic Damper, Add	*293.88*	
		For 3 Hour Rated, Add	*163.27*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	642.53	24.38
		For Dynamic Damper, Add	*307.37*	
		For 3 Hour Rated, Add	*170.76*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.22	21.99
		For Dynamic Damper, Add	*293.88*	
		For 3 Hour Rated, Add	*163.27*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.86	23.28
		For Dynamic Damper, Add	*307.37*	
		For 3 Hour Rated, Add	*170.76*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.99	24.38
		For Dynamic Damper, Add	*314.10*	
		For 3 Hour Rated, Add	*174.50*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	676.68	27.50
		For Dynamic Damper, Add	*320.87*	
		For 3 Hour Rated, Add	*178.26*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.64	23.28
		For Dynamic Damper, Add	*304.01*	
		For 3 Hour Rated, Add	*168.90*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.99	24.38
		For Dynamic Damper, Add	*314.10*	
		For 3 Hour Rated, Add	*174.50*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.19	25.67
		For Dynamic Damper, Add	*320.87*	
		For 3 Hour Rated, Add	*178.26*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	689.21	27.50
		For Dynamic Damper, Add	*327.63*	
		For 3 Hour Rated, Add	*182.02*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	729.59	30.61
		For Dynamic Damper, Add	*344.49*	
		For 3 Hour Rated, Add	*191.39*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.25	24.38
		For Dynamic Damper, Add	*346.64*	
		For 3 Hour Rated, Add	*192.58*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	728.50	26.21
		For Dynamic Damper, Add	*350.83*	
		For 3 Hour Rated, Add	*194.90*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	743.58	28.78
		For Dynamic Damper, Add	*355.01*	
		For 3 Hour Rated, Add	*197.23*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	756.72	30.61
		For Dynamic Damper, Add	*359.14*	
		For 3 Hour Rated, Add	*199.52*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	785.24	33.55
		For Dynamic Damper, Add	*369.59*	
		For 3 Hour Rated, Add	*205.33*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	813.71	36.66
		For Dynamic Damper, Add	*380.01*	
		For 3 Hour Rated, Add	*211.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.67	25.67
		For Dynamic Damper, Add	*350.83*	
		For 3 Hour Rated, Add	*194.90*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	743.71	27.50
		For Dynamic Damper, Add	*357.06*	
		For 3 Hour Rated, Add	*198.37*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.52	30.61
		For Dynamic Damper, Add	*363.36*	
		For 3 Hour Rated, Add	*201.86*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	792.99	33.55
		For Dynamic Damper, Add	*373.78*	
		For 3 Hour Rated, Add	*207.65*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.56	36.66
		For Dynamic Damper, Add	*382.09*	
		For 3 Hour Rated, Add	*212.27*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.02	39.60
		For Dynamic Damper, Add	*392.52*	
		For 3 Hour Rated, Add	*218.06*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.79	42.71
		For Dynamic Damper, Add	*398.78*	
		For 3 Hour Rated, Add	*221.54*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	739.91	27.50
		For Dynamic Damper, Add	*355.01*	
		For 3 Hour Rated, Add	*197.23*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.47	30.61
		For Dynamic Damper, Add	*363.33*	
		For 3 Hour Rated, Add	*201.85*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	789.09	33.55
		For Dynamic Damper, Add	*371.67*	
		For 3 Hour Rated, Add	*206.48*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	829.21	36.66
		For Dynamic Damper, Add	*388.38*	
		For 3 Hour Rated, Add	*215.77*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	849.92	39.60
		For Dynamic Damper, Add	*394.62*	
		For 3 Hour Rated, Add	*219.23*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	870.64	42.71
		For Dynamic Damper, Add	*400.86*	
		For 3 Hour Rated, Add	*222.70*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	895.25	45.83
		For Dynamic Damper, Add	*409.20*	
		For 3 Hour Rated, Add	*227.33*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.81	48.76
		For Dynamic Damper, Add	*417.51*	
		For 3 Hour Rated, Add	*231.95*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	757.37	30.61
		For Dynamic Damper, Add	*359.49*	
		For 3 Hour Rated, Add	*199.72*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.16	33.55
		For Dynamic Damper, Add	*367.93*	
		For 3 Hour Rated, Add	*204.41*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.77	36.66
		For Dynamic Damper, Add	*373.57*	
		For 3 Hour Rated, Add	*207.54*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	826.48	39.60
		For Dynamic Damper, Add	*381.96*	
		For 3 Hour Rated, Add	*212.20*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.47	42.71
		For Dynamic Damper, Add	*386.19*	
		For 3 Hour Rated, Add	*214.55*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	860.40	45.83
		For Dynamic Damper, Add	*390.38*	
		For 3 Hour Rated, Add	*216.88*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.16	48.76
		For Dynamic Damper, Add	*398.80*	
		For 3 Hour Rated, Add	*221.56*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.08	54.99
		For Dynamic Damper, Add	*407.22*	
		For 3 Hour Rated, Add	*226.23*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.22	61.04
		For Dynamic Damper, Add	*418.46*	
		For 3 Hour Rated, Add	*232.48*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.16	33.55
		For Dynamic Damper, Add	*367.93*	
		For 3 Hour Rated, Add	*204.41*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.77	36.66
		For Dynamic Damper, Add	*373.57*	
		For 3 Hour Rated, Add	*207.54*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	826.48	39.60
		For Dynamic Damper, Add	*381.96*	
		For 3 Hour Rated, Add	*212.20*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.06	42.71
		For Dynamic Damper, Add	*387.59*	
		For 3 Hour Rated, Add	*215.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.22	45.83
		For Dynamic Damper, Add	*394.61*	
		For 3 Hour Rated, Add	*219.23*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	890.35	48.76
		For Dynamic Damper, Add	*401.60*	
		For 3 Hour Rated, Add	*223.11*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	924.27	54.99
		For Dynamic Damper, Add	*410.02*	
		For 3 Hour Rated, Add	*227.79*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.22	61.04
		For Dynamic Damper, Add	*418.46*	
		For 3 Hour Rated, Add	*232.48*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	998.57	64.16
		For Dynamic Damper, Add	*435.29*	
		For 3 Hour Rated, Add	*241.83*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,042.90	70.21
		For Dynamic Damper, Add	*449.33*	
		For 3 Hour Rated, Add	*249.63*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.32	36.66
		For Dynamic Damper, Add	*381.96*	
		For 3 Hour Rated, Add	*212.20*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	831.67	39.60
		For Dynamic Damper, Add	*384.77*	
		For 3 Hour Rated, Add	*213.76*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.06	42.71
		For Dynamic Damper, Add	*387.59*	
		For 3 Hour Rated, Add	*215.33*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.59	45.83
		For Dynamic Damper, Add	*393.18*	
		For 3 Hour Rated, Add	*218.44*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	891.32	48.76
		For Dynamic Damper, Add	*402.13*	
		For 3 Hour Rated, Add	*223.40*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	924.27	54.99
		For Dynamic Damper, Add	*410.02*	
		For 3 Hour Rated, Add	*227.79*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	963.44	61.04
		For Dynamic Damper, Add	*421.28*	
		For 3 Hour Rated, Add	*234.04*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,002.58	67.08
		For Dynamic Damper, Add	*432.51*	
		For 3 Hour Rated, Add	*240.29*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,042.90	70.21
		For Dynamic Damper, Add	*449.33*	
		For 3 Hour Rated, Add	*249.63*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,093.98	75.15
		For Dynamic Damper, Add	*469.01*	
		For 3 Hour Rated, Add	*260.56*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,148.36	79.36
		For Dynamic Damper, Add	*491.44*	
		For 3 Hour Rated, Add	*273.02*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	858.36	39.60
		For Dynamic Damper, Add	*399.18*	
		For 3 Hour Rated, Add	*221.77*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.79	42.71
		For Dynamic Damper, Add	*405.26*	
		For 3 Hour Rated, Add	*225.14*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	899.26	45.83
		For Dynamic Damper, Add	*411.37*	
		For 3 Hour Rated, Add	*228.54*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	925.40	48.76
		For Dynamic Damper, Add	*420.53*	
		For 3 Hour Rated, Add	*233.63*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	952.23	54.99
		For Dynamic Damper, Add	*425.12*	
		For 3 Hour Rated, Add	*236.18*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	969.86	57.93
		For Dynamic Damper, Add	*429.69*	
		For 3 Hour Rated, Add	*238.72*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,025.64	67.08
		For Dynamic Damper, Add	*444.97*	
		For 3 Hour Rated, Add	*247.20*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,072.17	73.32
		For Dynamic Damper, Add	*460.19*	
		For 3 Hour Rated, Add	*255.66*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,113.41	75.70
		For Dynamic Damper, Add	*478.50*	
		For 3 Hour Rated, Add	*265.84*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,175.13	81.20
		For Dynamic Damper, Add	*502.92*	
		For 3 Hour Rated, Add	*279.40*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,227.46	85.41
		For Dynamic Damper, Add	*524.26*	
		For 3 Hour Rated, Add	*291.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,281.84	88.53
		For Dynamic Damper, Add	*548.67*	
		For 3 Hour Rated, Add	*304.82*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,383.31	45.83
		For Dynamic Damper, Add	*677.70*	
		For 3 Hour Rated, Add	*376.50*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,422.77	48.76
		For Dynamic Damper, Add	*694.06*	
		For 3 Hour Rated, Add	*385.59*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,439.55	51.88
		For Dynamic Damper, Add	*698.17*	
		For 3 Hour Rated, Add	*387.87*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,456.32	54.99
		For Dynamic Damper, Add	*702.28*	
		For 3 Hour Rated, Add	*390.16*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,501.19	57.93
		For Dynamic Damper, Add	*716.61*	
		For 3 Hour Rated, Add	*398.12*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,536.94	61.04
		For Dynamic Damper, Add	*730.97*	
		For 3 Hour Rated, Add	*406.09*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,594.79	70.21
		For Dynamic Damper, Add	*747.35*	
		For 3 Hour Rated, Add	*415.20*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,643.42	76.25
		For Dynamic Damper, Add	*763.72*	
		For 3 Hour Rated, Add	*424.29*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,703.64	81.20
		For Dynamic Damper, Add	*788.32*	
		For 3 Hour Rated, Add	*437.96*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,799.84	85.41
		For Dynamic Damper, Add	*833.34*	
		For 3 Hour Rated, Add	*462.97*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,859.98	90.37
		For Dynamic Damper, Add	*857.90*	
		For 3 Hour Rated, Add	*476.61*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,950.79	92.75
		For Dynamic Damper, Add	*902.97*	
		For 3 Hour Rated, Add	*501.65*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,041.32	97.69
		For Dynamic Damper, Add	*943.94*	
		For 3 Hour Rated, Add	*524.41*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,407.64	45.83
		For Dynamic Damper, Add	*685.89*	
		For 3 Hour Rated, Add	*381.05*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,447.16	48.76
		For Dynamic Damper, Add	*702.28*	
		For 3 Hour Rated, Add	*390.16*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,479.10	51.88
		For Dynamic Damper, Add	*714.58*	
		For 3 Hour Rated, Add	*396.99*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,495.88	54.99
		For Dynamic Damper, Add	*718.69*	
		For 3 Hour Rated, Add	*399.27*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,535.38	57.93
		For Dynamic Damper, Add	*735.08*	
		For 3 Hour Rated, Add	*408.38*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,574.85	61.04
		For Dynamic Damper, Add	*751.44*	
		For 3 Hour Rated, Add	*417.47*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,649.47	73.32
		For Dynamic Damper, Add	*771.94*	
		For 3 Hour Rated, Add	*428.85*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,705.65	79.36
		For Dynamic Damper, Add	*792.38*	
		For 3 Hour Rated, Add	*440.21*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,799.84	85.41
		For Dynamic Damper, Add	*833.34*	
		For 3 Hour Rated, Add	*462.97*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,886.42	91.64
		For Dynamic Damper, Add	*870.20*	
		For 3 Hour Rated, Add	*483.44*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,980.58	97.69
		For Dynamic Damper, Add	*911.14*	
		For 3 Hour Rated, Add	*506.19*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,057.99	100.63
		For Dynamic Damper, Add	*948.00*	
		For 3 Hour Rated, Add	*526.67*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,135.46	103.74
		For Dynamic Damper, Add	*984.88*	
		For 3 Hour Rated, Add	*547.16*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,212.92	106.86
		For Dynamic Damper, Add	*1,021.76*	
		For 3 Hour Rated, Add	*567.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,439.55	48.76
		For Dynamic Damper, Add	*698.17*	
		For 3 Hour Rated, Add	*387.87*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,479.10	51.88
		For Dynamic Damper, Add	*714.58*	
		For 3 Hour Rated, Add	*396.99*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,495.88	54.99
		For Dynamic Damper, Add	*718.69*	
		For 3 Hour Rated, Add	*399.27*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,536.94	61.04
		For Dynamic Damper, Add	*730.97*	
		For 3 Hour Rated, Add	*406.09*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,585.62	67.08
		For Dynamic Damper, Add	*747.35*	
		For 3 Hour Rated, Add	*415.20*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,634.25	73.32
		For Dynamic Damper, Add	*763.72*	
		For 3 Hour Rated, Add	*424.29*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,698.13	79.36
		For Dynamic Damper, Add	*788.32*	
		For 3 Hour Rated, Add	*437.96*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,761.93	85.41
		For Dynamic Damper, Add	*812.87*	
		For 3 Hour Rated, Add	*451.60*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,848.52	91.64
		For Dynamic Damper, Add	*849.73*	
		For 3 Hour Rated, Add	*472.07*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,950.23	97.69
		For Dynamic Damper, Add	*894.75*	
		For 3 Hour Rated, Add	*497.09*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,027.74	100.63
		For Dynamic Damper, Add	*931.66*	
		For 3 Hour Rated, Add	*517.59*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,127.85	103.74
		For Dynamic Damper, Add	*980.77*	
		For 3 Hour Rated, Add	*544.87*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,214.48	109.79
		For Dynamic Damper, Add	*1,017.65*	
		For 3 Hour Rated, Add	*565.36*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,314.68	112.91
		For Dynamic Damper, Add	*1,066.81*	
		For 3 Hour Rated, Add	*592.67*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,402.82	122.07
		For Dynamic Damper, Add	*1,099.56*	
		For 3 Hour Rated, Add	*610.87*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,471.49	51.88
		For Dynamic Damper, Add	*710.47*	
		For 3 Hour Rated, Add	*394.71*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,511.01	54.99
		For Dynamic Damper, Add	*726.86*	
		For 3 Hour Rated, Add	*403.81*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,559.68	61.04
		For Dynamic Damper, Add	*743.25*	
		For 3 Hour Rated, Add	*412.91*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,585.62	67.08
		For Dynamic Damper, Add	*747.35*	
		For 3 Hour Rated, Add	*415.20*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,638.10	73.32
		For Dynamic Damper, Add	*765.80*	
		For 3 Hour Rated, Add	*425.44*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,690.52	79.36
		For Dynamic Damper, Add	*784.21*	
		For 3 Hour Rated, Add	*435.67*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,754.37	85.41
		For Dynamic Damper, Add	*808.79*	
		For 3 Hour Rated, Add	*449.33*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,818.17	91.64
		For Dynamic Damper, Add	*833.34*	
		For 3 Hour Rated, Add	*462.97*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,904.76	97.69
		For Dynamic Damper, Add	*870.20*	
		For 3 Hour Rated, Add	*483.44*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,014.13	103.74
		For Dynamic Damper, Add	*919.36*	
		For 3 Hour Rated, Add	*510.76*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,099.06	106.86
		For Dynamic Damper, Add	*960.28*	
		For 3 Hour Rated, Add	*533.49*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,206.92	109.79
		For Dynamic Damper, Add	*1,013.57*	
		For 3 Hour Rated, Add	*563.09*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,316.19	116.03
		For Dynamic Damper, Add	*1,062.68*	
		For 3 Hour Rated, Add	*590.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,402.82	122.07
		For Dynamic Damper, Add	*1,099.56*	
		For 3 Hour Rated, Add	*610.87*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,521.30	131.24
		For Dynamic Damper, Add	*1,148.69*	
		For 3 Hour Rated, Add	*638.16*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,615.49	137.29
		For Dynamic Damper, Add	*1,189.66*	
		For 3 Hour Rated, Add	*660.92*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,495.88	54.99
		For Dynamic Damper, Add	*718.69*	
		For 3 Hour Rated, Add	*399.27*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,552.07	61.04
		For Dynamic Damper, Add	*739.14*	
		For 3 Hour Rated, Add	*410.63*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,593.18	67.08
		For Dynamic Damper, Add	*751.44*	
		For 3 Hour Rated, Add	*417.47*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,619.08	73.32
		For Dynamic Damper, Add	*755.52*	
		For 3 Hour Rated, Add	*419.74*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,679.15	79.36
		For Dynamic Damper, Add	*778.07*	
		For 3 Hour Rated, Add	*432.26*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,739.20	85.41
		For Dynamic Damper, Add	*800.60*	
		For 3 Hour Rated, Add	*444.78*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,799.19	91.64
		For Dynamic Damper, Add	*823.10*	
		For 3 Hour Rated, Add	*457.28*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,859.25	97.69
		For Dynamic Damper, Add	*845.62*	
		For 3 Hour Rated, Add	*469.79*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,968.56	103.74
		For Dynamic Damper, Add	*894.75*	
		For 3 Hour Rated, Add	*497.09*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,068.81	106.86
		For Dynamic Damper, Add	*943.94*	
		For 3 Hour Rated, Add	*524.41*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,161.35	109.79
		For Dynamic Damper, Add	*988.96*	
		For 3 Hour Rated, Add	*549.42*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,285.89	116.03
		For Dynamic Damper, Add	*1,046.31*	
		For 3 Hour Rated, Add	*581.29*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,395.21	122.07
		For Dynamic Damper, Add	*1,095.45*	
		For 3 Hour Rated, Add	*608.58*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,512.14	128.12
		For Dynamic Damper, Add	*1,148.69*	
		For 3 Hour Rated, Add	*638.16*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,606.32	134.36
		For Dynamic Damper, Add	*1,189.66*	
		For 3 Hour Rated, Add	*660.92*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,723.25	140.41
		For Dynamic Damper, Add	*1,242.90*	
		For 3 Hour Rated, Add	*690.50*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,840.18	146.46
		For Dynamic Damper, Add	*1,296.15*	
		For 3 Hour Rated, Add	*720.08*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,536.94	61.04
		For Dynamic Damper, Add	*730.97*	
		For 3 Hour Rated, Add	*406.09*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,593.18	67.08
		For Dynamic Damper, Add	*751.44*	
		For 3 Hour Rated, Add	*417.47*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,626.68	73.32
		For Dynamic Damper, Add	*759.63*	
		For 3 Hour Rated, Add	*422.02*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,652.57	79.36
		For Dynamic Damper, Add	*763.72*	
		For 3 Hour Rated, Add	*424.29*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,716.46	85.41
		For Dynamic Damper, Add	*788.32*	
		For 3 Hour Rated, Add	*437.96*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,780.26	91.64
		For Dynamic Damper, Add	*812.87*	
		For 3 Hour Rated, Add	*451.60*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,847.88	97.69
		For Dynamic Damper, Add	*839.48*	
		For 3 Hour Rated, Add	*466.38*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,915.53	103.74
		For Dynamic Damper, Add	*866.12*	
		For 3 Hour Rated, Add	*481.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,023.29	106.86
		For Dynamic Damper, Add	*919.36*	
		For 3 Hour Rated, Add	*510.76*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,123.45	109.79
		For Dynamic Damper, Add	*968.50*	
		For 3 Hour Rated, Add	*538.05*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,240.42	116.03
		For Dynamic Damper, Add	*1,021.76*	
		For 3 Hour Rated, Add	*567.65*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,357.35	122.07
		For Dynamic Damper, Add	*1,075.01*	
		For 3 Hour Rated, Add	*597.23*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,451.50	128.12
		For Dynamic Damper, Add	*1,115.95*	
		For 3 Hour Rated, Add	*619.97*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,591.15	134.36
		For Dynamic Damper, Add	*1,181.47*	
		For 3 Hour Rated, Add	*656.37*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,715.69	140.41
		For Dynamic Damper, Add	*1,238.82*	
		For 3 Hour Rated, Add	*688.23*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,840.18	146.46
		For Dynamic Damper, Add	*1,296.15*	
		For 3 Hour Rated, Add	*720.08*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,949.45	152.69
		For Dynamic Damper, Add	*1,345.25*	
		For 3 Hour Rated, Add	*747.36*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,058.91	158.74
		For Dynamic Damper, Add	*1,394.46*	
		For 3 Hour Rated, Add	*774.70*	

23 33 13 19-0173 Combination Smoke/Fire Damper (Ruskin FSD60) *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades and actuator.

23 33 13 19-0174	EA	6" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	857.81	20.40
		For 3 Hour Rated, Add	*318.68*	
23 33 13 19-0175	EA	8" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	879.93	21.26
		For 3 Hour Rated, Add	*326.46*	
23 33 13 19-0176	EA	8" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	900.01	21.51
		For 3 Hour Rated, Add	*334.34*	
23 33 13 19-0177	EA	10" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	942.71	21.51
		For 3 Hour Rated, Add	*351.42*	
23 33 13 19-0178	EA	10" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	965.11	21.99
		For 3 Hour Rated, Add	*359.65*	
23 33 13 19-0179	EA	10" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,013.72	24.44
		For 3 Hour Rated, Add	*376.16*	
23 33 13 19-0180	EA	11" x 11", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,029.16	25.91
		For 3 Hour Rated, Add	*380.48*	
23 33 13 19-0181	EA	12" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	947.41	21.99
		For 3 Hour Rated, Add	*352.57*	
23 33 13 19-0182	EA	12" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	991.54	23.34
		For 3 Hour Rated, Add	*368.76*	
23 33 13 19-0183	EA	12" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,015.38	24.44
		For 3 Hour Rated, Add	*376.82*	
23 33 13 19-0184	EA	12" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,044.48	27.50
		For 3 Hour Rated, Add	*384.80*	
23 33 13 19-0185	EA	14" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	947.21	23.34
		For 3 Hour Rated, Add	*351.02*	
23 33 13 19-0186	EA	14" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	980.00	24.44
		For 3 Hour Rated, Add	*362.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0187	EA	14" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,003.21	25.67
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*370.49*	
23 33 13 19-0188	EA	14" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,028.23	27.50
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*378.30*	
23 33 13 19-0189	EA	14" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,086.04	30.67
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*397.76*	
23 33 13 19-0190	EA	16" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,014.12	26.27
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*374.12*	
23 33 13 19-0191	EA	16" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,041.55	28.84
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*382.16*	
23 33 13 19-0192	EA	16" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,067.13	30.67
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*390.20*	
23 33 13 19-0193	EA	16" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,104.69	33.61
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*401.55*	
23 33 13 19-0194	EA	16" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,139.10	36.66
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*411.65*	
23 33 13 19-0195	EA	16" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,302.21	45.83
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*465.90*	
23 33 13 19-0196	EA	18" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,017.78	27.50
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*374.12*	
23 33 13 19-0197	EA	18" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,054.01	30.67
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*384.95*	
23 33 13 19-0198	EA	18" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,090.24	33.61
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*395.77*	
23 33 13 19-0199	EA	18" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,124.68	36.66
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*405.88*	
23 33 13 19-0200	EA	18" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,159.09	39.60
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*415.98*	
23 33 13 19-0201	EA	18" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,193.52	42.77
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*426.08*	
23 33 13 19-0202	EA	20" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,089.32	30.67
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*399.07*	
23 33 13 19-0203	EA	20" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,126.49	33.61
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*410.27*	
23 33 13 19-0204	EA	20" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,163.66	36.66
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*421.47*	
23 33 13 19-0205	EA	20" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,200.83	39.60
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*432.68*	
23 33 13 19-0206	EA	20" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,240.55	42.77
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*444.90*	
23 33 13 19-0207	EA	20" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,272.86	45.83
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*454.16*	

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23 33 13 19-0208	EA	20" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,305.09	48.76
		For 3 Hour Rated, Add	*463.38*	
23 33 13 19-0209	EA	20" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,379.95	54.99
		For 3 Hour Rated, Add	*485.99*	
23 33 13 19-0210	EA	22" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,138.13	35.07
		For 3 Hour Rated, Add	*413.07*	
23 33 13 19-0211	EA	22" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,176.58	38.13
		For 3 Hour Rated, Add	*424.78*	
23 33 13 19-0212	EA	22" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,215.02	41.18
		For 3 Hour Rated, Add	*436.50*	
23 33 13 19-0213	EA	22" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,254.74	44.24
		For 3 Hour Rated, Add	*448.72*	
23 33 13 19-0214	EA	22" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,287.69	47.29
		For 3 Hour Rated, Add	*458.23*	
23 33 13 19-0215	EA	22" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,325.10	51.94
		For 3 Hour Rated, Add	*467.72*	
23 33 13 19-0216	EA	22" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,349.20	54.62
		For 3 Hour Rated, Add	*474.08*	
23 33 13 19-0217	EA	22" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,720.01	68.68
		For 3 Hour Rated, Add	*605.50*	
23 33 13 19-0218	EA	22" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,999.20	72.95
		For 3 Hour Rated, Add	*712.04*	
23 33 13 19-0219	EA	24" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,180.35	36.66
		For 3 Hour Rated, Add	*428.15*	
23 33 13 19-0220	EA	24" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,220.97	39.60
		For 3 Hour Rated, Add	*440.73*	
23 33 13 19-0221	EA	24" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,261.61	42.77
		For 3 Hour Rated, Add	*453.32*	
23 33 13 19-0222	EA	24" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,302.21	45.83
		For 3 Hour Rated, Add	*465.90*	
23 33 13 19-0223	EA	24" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,336.51	48.76
		For 3 Hour Rated, Add	*475.95*	
23 33 13 19-0224	EA	24" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,379.95	54.99
		For 3 Hour Rated, Add	*485.99*	
23 33 13 19-0225	EA	24" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,405.88	58.05
		For 3 Hour Rated, Add	*492.70*	
23 33 13 19-0226	EA	24" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,431.80	61.10
		For 3 Hour Rated, Add	*499.40*	
23 33 13 19-0227	EA	26" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,197.02	38.13
		For 3 Hour Rated, Add	*432.96*	
23 33 13 19-0228	EA	26" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,233.72	41.18
		For 3 Hour Rated, Add	*443.98*	

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23 33 13 19-0229	EA	26" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,278.60	44.24
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*458.26*	
23 33 13 19-0230	EA	26" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,323.60	47.29
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*472.59*	
23 33 13 19-0231	EA	26" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,362.39	51.94
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*482.64*	
23 33 13 19-0232	EA	26" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,405.88	58.05
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*492.70*	
23 33 13 19-0233	EA	26" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,433.66	60.36
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*501.08*	
23 33 13 19-0234	EA	26" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,461.57	62.57
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*509.45*	
23 33 13 19-0235	EA	26" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,490.21	65.37
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*517.54*	
23 33 13 19-0236	EA	28" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,301.39	39.60
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*472.90*	
23 33 13 19-0237	EA	28" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,344.79	42.77
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*486.59*	
23 33 13 19-0238	EA	28" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,392.65	45.83
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*502.07*	
23 33 13 19-0239	EA	28" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,440.59	48.76
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*517.58*	
23 33 13 19-0240	EA	28" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,481.49	54.99
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*526.61*	
23 33 13 19-0241	EA	28" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,529.12	61.10
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*538.33*	
23 33 13 19-0242	EA	28" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,558.51	62.57
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*548.23*	
23 33 13 19-0243	EA	28" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,587.80	64.16
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*558.13*	
23 33 13 19-0244	EA	28" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,621.34	67.21
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*567.88*	
23 33 13 19-0245	EA	28" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,653.03	70.27
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*576.89*	
23 33 13 19-0246	EA	28" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,451.20	81.27
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*882.96*	
23 33 13 19-0247	EA	30" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,310.19	41.18
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*474.56*	
23 33 13 19-0248	EA	30" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,357.86	44.24
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*489.96*	
23 33 13 19-0249	EA	30" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,405.55	47.29
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*505.37*	

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23 33 13 19-0250	EA	30" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,457.76	51.94
		For 3 Hour Rated, Add	*520.78*	
23 33 13 19-0251	EA	30" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,493.90	58.05
		For 3 Hour Rated, Add	*527.91*	
23 33 13 19-0252	EA	30" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,543.48	64.04
		For 3 Hour Rated, Add	*540.40*	
23 33 13 19-0253	EA	30" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,574.83	65.63
		For 3 Hour Rated, Add	*551.09*	
23 33 13 19-0254	EA	30" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,606.07	67.21
		For 3 Hour Rated, Add	*561.78*	
23 33 13 19-0255	EA	30" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,641.14	69.89
		For 3 Hour Rated, Add	*572.48*	
23 33 13 19-0256	EA	30" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,676.07	72.71
		For 3 Hour Rated, Add	*583.18*	
23 33 13 19-0257	EA	30" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,719.52	75.52
		For 3 Hour Rated, Add	*597.14*	
23 33 13 19-0258	EA	30" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,880.60	77.23
		For 3 Hour Rated, Add	*659.47*	
23 33 13 19-0259	EA	30" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,597.03	94.70
		For 3 Hour Rated, Add	*925.17*	
23 33 13 19-0260	EA	32" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,487.31	45.83
		For 3 Hour Rated, Add	*539.94*	
23 33 13 19-0261	EA	32" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,527.18	48.76
		For 3 Hour Rated, Add	*552.22*	
23 33 13 19-0262	EA	32" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,572.62	54.99
		For 3 Hour Rated, Add	*563.06*	
23 33 13 19-0263	EA	32" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,629.59	61.10
		For 3 Hour Rated, Add	*578.52*	
23 33 13 19-0264	EA	32" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,686.50	67.08
		For 3 Hour Rated, Add	*593.95*	
23 33 13 19-0265	EA	32" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,720.01	68.68
		For 3 Hour Rated, Add	*605.50*	
23 33 13 19-0266	EA	32" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,753.41	70.27
		For 3 Hour Rated, Add	*617.04*	
23 33 13 19-0267	EA	32" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,794.50	72.71
		For 3 Hour Rated, Add	*630.55*	
23 33 13 19-0268	EA	32" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,835.60	75.15
		For 3 Hour Rated, Add	*644.06*	
23 33 13 19-0269	EA	32" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,880.60	77.23
		For 3 Hour Rated, Add	*659.47*	
23 33 13 19-0270	EA	32" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,925.45	79.42
		For 3 Hour Rated, Add	*674.87*	

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23 33 13 19-0271	EA	32" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,233.73	82.36
		For 3 Hour Rated, Add	*794.51*	
23 33 13 19-0272	EA	34" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,733.39	47.29
		For 3 Hour Rated, Add	*636.51*	
23 33 13 19-0273	EA	34" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,773.55	51.94
		For 3 Hour Rated, Add	*647.10*	
23 33 13 19-0274	EA	34" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,811.74	56.46
		For 3 Hour Rated, Add	*656.85*	
23 33 13 19-0275	EA	34" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,886.46	64.04
		For 3 Hour Rated, Add	*677.60*	
23 33 13 19-0276	EA	34" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,956.55	70.27
		For 3 Hour Rated, Add	*698.30*	
23 33 13 19-0277	EA	34" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,995.04	71.60
		For 3 Hour Rated, Add	*712.04*	
23 33 13 19-0278	EA	34" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,033.55	72.95
		For 3 Hour Rated, Add	*725.78*	
23 33 13 19-0279	EA	34" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,084.37	75.52
		For 3 Hour Rated, Add	*743.03*	
23 33 13 19-0280	EA	34" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,135.29	78.21
		For 3 Hour Rated, Add	*760.27*	
23 33 13 19-0281	EA	34" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,184.56	80.28
		For 3 Hour Rated, Add	*777.39*	
23 33 13 19-0282	EA	34" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,233.73	82.36
		For 3 Hour Rated, Add	*794.51*	
23 33 13 19-0283	EA	34" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,284.06	84.56
		For 3 Hour Rated, Add	*812.00*	
23 33 13 19-0284	EA	34" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,131.22	87.00
		For 3 Hour Rated, Add	*747.98*	
23 33 13 19-0285	EA	36" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,992.42	48.76
		For 3 Hour Rated, Add	*738.31*	
23 33 13 19-0286	EA	36" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,030.91	54.99
		For 3 Hour Rated, Add	*746.38*	
23 33 13 19-0287	EA	36" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,060.14	57.93
		For 3 Hour Rated, Add	*754.40*	
23 33 13 19-0288	EA	36" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,154.66	67.08
		For 3 Hour Rated, Add	*781.21*	
23 33 13 19-0289	EA	36" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,239.84	73.32
		For 3 Hour Rated, Add	*807.95*	
23 33 13 19-0290	EA	36" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,283.69	74.54
		For 3 Hour Rated, Add	*824.03*	
23 33 13 19-0291	EA	36" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,327.54	75.76
		For 3 Hour Rated, Add	*840.10*	

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23 33 13 19-0292	EA	36" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,389.43	78.45
		For 3 Hour Rated, Add	*861.53*	
23 33 13 19-0293	EA	36" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,451.20	81.27
		For 3 Hour Rated, Add	*882.96*	
23 33 13 19-0294	EA	36" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,504.50	83.34
		For 3 Hour Rated, Add	*901.70*	
23 33 13 19-0295	EA	36" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,557.67	85.41
		For 3 Hour Rated, Add	*920.42*	
23 33 13 19-0296	EA	36" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,615.90	87.00
		For 3 Hour Rated, Add	*941.86*	
23 33 13 19-0297	EA	36" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,674.00	88.59
		For 3 Hour Rated, Add	*963.29*	
23 33 13 19-0298	EA	38" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,070.88	59.51
		For 3 Hour Rated, Add	*756.84*	
23 33 13 19-0299	EA	38" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,153.16	68.68
		For 3 Hour Rated, Add	*778.76*	
23 33 13 19-0300	EA	38" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,226.16	74.78
		For 3 Hour Rated, Add	*800.62*	
23 33 13 19-0301	EA	38" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,267.73	76.62
		For 3 Hour Rated, Add	*815.05*	
23 33 13 19-0302	EA	38" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,309.30	78.45
		For 3 Hour Rated, Add	*829.48*	
23 33 13 19-0303	EA	38" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,372.64	80.89
		For 3 Hour Rated, Add	*851.88*	
23 33 13 19-0304	EA	38" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,435.99	83.34
		For 3 Hour Rated, Add	*874.29*	
23 33 13 19-0305	EA	38" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,482.19	85.67
		For 3 Hour Rated, Add	*890.03*	
23 33 13 19-0306	EA	38" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,528.39	87.86
		For 3 Hour Rated, Add	*905.78*	
23 33 13 19-0307	EA	38" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,588.61	89.33
		For 3 Hour Rated, Add	*928.20*	
23 33 13 19-0308	EA	38" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,648.79	90.67
		For 3 Hour Rated, Add	*950.62*	
23 33 13 19-0309	EA	38" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,710.36	92.02
		For 3 Hour Rated, Add	*973.58*	
23 33 13 19-0310	EA	40" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,151.55	70.27
		For 3 Hour Rated, Add	*776.30*	
23 33 13 19-0311	EA	40" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,212.36	76.25
		For 3 Hour Rated, Add	*793.29*	
23 33 13 19-0312	EA	40" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,251.64	78.70
		For 3 Hour Rated, Add	*806.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0313	EA	40" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,290.93	81.27
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*818.86*	
23 33 13 19-0314	EA	40" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,355.85	83.34
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*842.24*	
23 33 13 19-0315	EA	40" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,420.66	85.41
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*865.62*	
23 33 13 19-0316	EA	40" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,459.88	87.86
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*878.37*	
23 33 13 19-0317	EA	40" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,499.10	90.43
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*891.13*	
23 33 13 19-0318	EA	40" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,561.28	91.52
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*914.54*	
23 33 13 19-0319	EA	40" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,623.48	92.75
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*937.94*	
23 33 13 19-0320	EA	40" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,684.00	95.20
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*959.22*	
23 33 13 19-0321	EA	40" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,744.54	97.76
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*980.50*	
23 33 13 19-0322	EA	40" x 66", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,853.35	137.84
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,375.54*	
23 33 13 19-0323	EA	42" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,188.10	71.73
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*789.06*	
23 33 13 19-0324	EA	42" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,254.23	77.84
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*808.18*	
23 33 13 19-0325	EA	42" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,304.98	80.53
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*825.21*	
23 33 13 19-0326	EA	42" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,355.85	83.34
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*842.24*	
23 33 13 19-0327	EA	42" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,416.71	85.91
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*863.50*	
23 33 13 19-0328	EA	42" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,477.68	88.59
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*884.76*	
23 33 13 19-0329	EA	42" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,528.52	91.28
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*901.77*	
23 33 13 19-0330	EA	42" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,579.24	94.09
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*918.78*	
23 33 13 19-0331	EA	42" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,636.58	95.32
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*940.06*	
23 33 13 19-0332	EA	42" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,693.91	96.66
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*961.33*	
23 33 13 19-0333	EA	42" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,750.32	98.74
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*981.55*	

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23 33 13 19-0334	EA	42" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,806.85	100.69
		For 3 Hour Rated, Add	*1,001.76*	
23 33 13 19-0335	EA	42" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,864.53	102.77
		For 3 Hour Rated, Add	*1,022.39*	
23 33 13 19-0336	EA	44" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,224.55	73.32
		For 3 Hour Rated, Add	*801.84*	
23 33 13 19-0337	EA	44" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,295.95	79.42
		For 3 Hour Rated, Add	*823.07*	
23 33 13 19-0338	EA	44" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,358.32	82.36
		For 3 Hour Rated, Add	*844.35*	
23 33 13 19-0339	EA	44" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,420.66	85.41
		For 3 Hour Rated, Add	*865.62*	
23 33 13 19-0340	EA	44" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,477.68	88.59
		For 3 Hour Rated, Add	*884.76*	
23 33 13 19-0341	EA	44" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,534.71	91.64
		For 3 Hour Rated, Add	*903.91*	
23 33 13 19-0342	EA	44" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,597.03	94.70
		For 3 Hour Rated, Add	*925.17*	
23 33 13 19-0343	EA	44" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,659.36	97.76
		For 3 Hour Rated, Add	*946.43*	
23 33 13 19-0344	EA	44" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,711.85	99.22
		For 3 Hour Rated, Add	*965.57*	
23 33 13 19-0345	EA	44" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,764.23	100.69
		For 3 Hour Rated, Add	*984.72*	
23 33 13 19-0346	EA	44" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,816.76	102.16
		For 3 Hour Rated, Add	*1,003.87*	
23 33 13 19-0347	EA	44" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,869.17	103.74
		For 3 Hour Rated, Add	*1,023.02*	
23 33 13 19-0348	EA	44" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,921.71	105.33
		For 3 Hour Rated, Add	*1,042.18*	
23 33 13 19-0349	EA	44" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,974.11	106.92
		For 3 Hour Rated, Add	*1,061.34*	
23 33 13 19-0350	EA	46" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,254.99	76.38
		For 3 Hour Rated, Add	*810.34*	
23 33 13 19-0351	EA	46" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,331.73	82.36
		For 3 Hour Rated, Add	*833.71*	
23 33 13 19-0352	EA	46" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,391.42	85.41
		For 3 Hour Rated, Add	*853.92*	
23 33 13 19-0353	EA	46" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,451.11	88.59
		For 3 Hour Rated, Add	*874.13*	
23 33 13 19-0354	EA	46" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,513.43	91.64
		For 3 Hour Rated, Add	*895.40*	

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23 33 13 19-0355	EA	46" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,575.75	94.70
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*916.66*	
23 33 13 19-0356	EA	46" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,633.14	96.91
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*936.87*	
23 33 13 19-0357	EA	46" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,690.64	99.22
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*957.09*	
23 33 13 19-0358	EA	46" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,750.97	100.69
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*979.41*	
23 33 13 19-0359	EA	46" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,811.42	102.16
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,001.74*	
23 33 13 19-0360	EA	46" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,866.17	104.48
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,020.90*	
23 33 13 19-0361	EA	46" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,920.89	106.80
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,040.05*	
23 33 13 19-0362	EA	46" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,981.39	108.39
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,062.39*	
23 33 13 19-0363	EA	46" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,041.78	109.85
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,084.74*	
23 33 13 19-0364	EA	46" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,103.44	111.44
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,107.54*	
23 33 13 19-0365	EA	48" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,285.42	79.42
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*818.86*	
23 33 13 19-0366	EA	48" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,367.50	85.41
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*844.36*	
23 33 13 19-0367	EA	48" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,424.53	88.59
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*863.50*	
23 33 13 19-0368	EA	48" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,481.54	91.64
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*882.64*	
23 33 13 19-0369	EA	48" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,549.18	94.70
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*906.03*	
23 33 13 19-0370	EA	48" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,616.81	97.76
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*929.41*	
23 33 13 19-0371	EA	48" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,669.37	99.22
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*948.58*	
23 33 13 19-0372	EA	48" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,721.81	100.69
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*967.75*	
23 33 13 19-0373	EA	48" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,790.21	102.16
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*993.25*	
23 33 13 19-0374	EA	48" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,858.51	103.74
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,018.76*	
23 33 13 19-0375	EA	48" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,915.55	106.80
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,037.91*	

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23 33 13 19-0376	EA	48" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,972.61	109.85
		For 3 Hour Rated, Add	*1,057.07*	
23 33 13 19-0377	EA	48" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,041.08	111.32
		For 3 Hour Rated, Add	*1,082.60*	
23 33 13 19-0378	EA	48" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,109.43	112.91
		For 3 Hour Rated, Add	*1,108.13*	
23 33 13 19-0379	EA	48" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,165.76	117.55
		For 3 Hour Rated, Add	*1,125.14*	
23 33 13 19-0380	EA	48" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,221.97	122.07
		For 3 Hour Rated, Add	*1,142.15*	
23 33 13 19-0381	EA	48" x 54", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,434.88	132.83
		For 3 Hour Rated, Add	*1,214.46*	
23 33 13 19-0382	EA	50" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,403.26	88.59
		For 3 Hour Rated, Add	*854.99*	
23 33 13 19-0383	EA	50" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,460.27	91.64
		For 3 Hour Rated, Add	*874.13*	
23 33 13 19-0384	EA	50" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,517.30	94.70
		For 3 Hour Rated, Add	*893.28*	
23 33 13 19-0385	EA	50" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,587.61	97.76
		For 3 Hour Rated, Add	*917.73*	
23 33 13 19-0386	EA	50" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,657.92	100.69
		For 3 Hour Rated, Add	*942.19*	
23 33 13 19-0387	EA	50" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,713.08	102.28
		For 3 Hour Rated, Add	*962.40*	
23 33 13 19-0388	EA	50" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,768.12	103.74
		For 3 Hour Rated, Add	*982.60*	
23 33 13 19-0389	EA	50" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,839.25	105.21
		For 3 Hour Rated, Add	*1,009.20*	
23 33 13 19-0390	EA	50" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,910.25	106.80
		For 3 Hour Rated, Add	*1,035.79*	
23 33 13 19-0391	EA	50" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,975.24	109.85
		For 3 Hour Rated, Add	*1,058.12*	
23 33 13 19-0392	EA	50" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,040.23	112.91
		For 3 Hour Rated, Add	*1,080.45*	
23 33 13 19-0393	EA	50" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,102.93	115.24
		For 3 Hour Rated, Add	*1,102.80*	
23 33 13 19-0394	EA	50" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,165.76	117.55
		For 3 Hour Rated, Add	*1,125.14*	
23 33 13 19-0395	EA	50" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,232.60	122.07
		For 3 Hour Rated, Add	*1,146.40*	
23 33 13 19-0396	EA	50" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,299.58	126.72
		For 3 Hour Rated, Add	*1,167.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0397	EA	50" x 50", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,367.88	131.36
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,189.32*	
23 33 13 19-0398	EA	52" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,438.99	91.64
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*865.62*	
23 33 13 19-0399	EA	52" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,496.01	94.70
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*884.76*	
23 33 13 19-0400	EA	52" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,553.05	97.76
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*903.91*	
23 33 13 19-0401	EA	52" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,626.03	100.69
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*929.44*	
23 33 13 19-0402	EA	52" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,699.03	103.74
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*954.97*	
23 33 13 19-0403	EA	52" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,756.79	105.33
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*976.22*	
23 33 13 19-0404	EA	52" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,814.44	106.92
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*997.47*	
23 33 13 19-0405	EA	52" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,888.28	108.39
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,025.14*	
23 33 13 19-0406	EA	52" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,962.01	109.85
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,052.83*	
23 33 13 19-0407	EA	52" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,034.93	112.91
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,078.33*	
23 33 13 19-0408	EA	52" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,107.87	116.09
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,103.84*	
23 33 13 19-0409	EA	52" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,164.91	119.02
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,122.99*	
23 33 13 19-0410	EA	52" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,221.97	122.07
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,142.15*	
23 33 13 19-0411	EA	52" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,299.58	126.72
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,167.67*	
23 33 13 19-0412	EA	52" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,377.05	131.24
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,193.18*	
23 33 13 19-0413	EA	52" x 50", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,439.40	134.30
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,214.46*	
23 33 13 19-0414	EA	52" x 52", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,501.76	137.35
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,235.74*	
23 33 13 19-0415	EA	52" x 56", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,114.62	140.41
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,477.22*	
23 33 13 19-0416	EA	54" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,594.08	100.69
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*916.66*	
23 33 13 19-0417	EA	54" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	2,664.77	103.02
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*942.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0418	EA	54" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,735.58	105.33
		For 3 Hour Rated, Add	*967.73*	
23 33 13 19-0419	EA	54" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,795.90	106.80
		For 3 Hour Rated, Add	*990.05*	
23 33 13 19-0420	EA	54" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,856.35	108.39
		For 3 Hour Rated, Add	*1,012.37*	
23 33 13 19-0421	EA	54" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,935.00	110.59
		For 3 Hour Rated, Add	*1,041.10*	
23 33 13 19-0422	EA	54" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,013.68	112.91
		For 3 Hour Rated, Add	*1,069.83*	
23 33 13 19-0423	EA	54" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,086.64	115.96
		For 3 Hour Rated, Add	*1,095.35*	
23 33 13 19-0424	EA	54" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,159.58	119.02
		For 3 Hour Rated, Add	*1,120.86*	
23 33 13 19-0425	EA	54" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,227.26	122.07
		For 3 Hour Rated, Add	*1,144.26*	
23 33 13 19-0426	EA	54" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,294.93	125.13
		For 3 Hour Rated, Add	*1,167.67*	
23 33 13 19-0427	EA	54" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,364.90	128.92
		For 3 Hour Rated, Add	*1,191.06*	
23 33 13 19-0428	EA	54" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,434.88	132.83
		For 3 Hour Rated, Add	*1,214.46*	
23 33 13 19-0429	EA	56" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,720.61	91.64
		For 3 Hour Rated, Add	*978.27*	
23 33 13 19-0430	EA	56" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,805.88	97.76
		For 3 Hour Rated, Add	*1,005.04*	
23 33 13 19-0431	EA	56" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,888.03	100.69
		For 3 Hour Rated, Add	*1,034.24*	
23 33 13 19-0432	EA	56" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,970.20	103.74
		For 3 Hour Rated, Add	*1,063.44*	
23 33 13 19-0433	EA	56" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,047.91	105.33
		For 3 Hour Rated, Add	*1,092.66*	
23 33 13 19-0434	EA	56" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,125.49	106.92
		For 3 Hour Rated, Add	*1,121.89*	
23 33 13 19-0435	EA	56" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,197.04	108.39
		For 3 Hour Rated, Add	*1,148.65*	
23 33 13 19-0436	EA	56" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,268.45	109.85
		For 3 Hour Rated, Add	*1,175.40*	
23 33 13 19-0437	EA	56" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,362.82	112.91
		For 3 Hour Rated, Add	*1,209.49*	
23 33 13 19-0438	EA	56" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,457.19	116.09
		For 3 Hour Rated, Add	*1,243.57*	

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23 33 13 19-0439	EA	56" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,539.34	119.02
		For 3 Hour Rated, Add	*1,272.76*	
23 33 13 19-0440	EA	56" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,621.52	122.07
		For 3 Hour Rated, Add	*1,301.97*	
23 33 13 19-0441	EA	56" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,868.07	131.24
		For 3 Hour Rated, Add	*1,389.59*	
23 33 13 19-0442	EA	56" x 52", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,114.62	140.41
		For 3 Hour Rated, Add	*1,477.22*	
23 33 13 19-0443	EA	56" x 56", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,291.15	146.52
		For 3 Hour Rated, Add	*1,540.50*	
23 33 13 19-0444	EA	56" x 72", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,053.35	169.49
		For 3 Hour Rated, Add	*1,818.00*	
23 33 13 19-0445	EA	58" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,011.39	105.33
		For 3 Hour Rated, Add	*1,078.06*	
23 33 13 19-0446	EA	58" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,088.94	106.80
		For 3 Hour Rated, Add	*1,107.27*	
23 33 13 19-0447	EA	58" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,166.63	108.39
		For 3 Hour Rated, Add	*1,136.48*	
23 33 13 19-0448	EA	58" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,246.48	110.59
		For 3 Hour Rated, Add	*1,165.69*	
23 33 13 19-0449	EA	58" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,326.33	112.91
		For 3 Hour Rated, Add	*1,194.89*	
23 33 13 19-0450	EA	58" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,417.66	115.96
		For 3 Hour Rated, Add	*1,227.76*	
23 33 13 19-0451	EA	58" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,508.97	119.02
		For 3 Hour Rated, Add	*1,260.62*	
23 33 13 19-0452	EA	58" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,585.05	122.07
		For 3 Hour Rated, Add	*1,287.38*	
23 33 13 19-0453	EA	58" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,661.12	125.13
		For 3 Hour Rated, Add	*1,314.14*	
23 33 13 19-0454	EA	58" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,758.51	128.19
		For 3 Hour Rated, Add	*1,349.43*	
23 33 13 19-0455	EA	60" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,060.20	106.92
		For 3 Hour Rated, Add	*1,095.77*	
23 33 13 19-0456	EA	60" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,138.05	108.39
		For 3 Hour Rated, Add	*1,125.05*	
23 33 13 19-0457	EA	60" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,215.76	109.85
		For 3 Hour Rated, Add	*1,154.33*	
23 33 13 19-0458	EA	60" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,304.29	112.91
		For 3 Hour Rated, Add	*1,186.08*	
23 33 13 19-0459	EA	60" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,392.81	116.09
		For 3 Hour Rated, Add	*1,217.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0460	EA	60" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,481.30	119.02
		For 3 Hour Rated, Add	*1,249.55*	
23 33 13 19-0461	EA	60" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,569.80	122.07
		For 3 Hour Rated, Add	*1,281.28*	
23 33 13 19-0462	EA	60" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,639.96	125.13
		For 3 Hour Rated, Add	*1,305.68*	
23 33 13 19-0463	EA	60" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,710.11	128.19
		For 3 Hour Rated, Add	*1,330.07*	
23 33 13 19-0464	EA	60" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,816.90	131.24
		For 3 Hour Rated, Add	*1,369.12*	
23 33 13 19-0465	EA	60" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,923.66	134.42
		For 3 Hour Rated, Add	*1,408.16*	
23 33 13 19-0466	EA	60" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,018.29	137.35
		For 3 Hour Rated, Add	*1,442.35*	
23 33 13 19-0467	EA	60" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,112.88	140.41
		For 3 Hour Rated, Add	*1,476.52*	
23 33 13 19-0468	EA	64" x 58", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,827.37	161.31
		For 3 Hour Rated, Add	*1,737.34*	
23 33 13 19-0469	EA	66" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,279.74	113.41
		For 3 Hour Rated, Add	*1,175.81*	
23 33 13 19-0470	EA	66" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,357.02	113.89
		For 3 Hour Rated, Add	*1,205.90*	
23 33 13 19-0471	EA	66" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,434.18	114.50
		For 3 Hour Rated, Add	*1,235.98*	
23 33 13 19-0472	EA	66" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,547.23	119.38
		For 3 Hour Rated, Add	*1,275.48*	
23 33 13 19-0473	EA	66" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,660.40	124.28
		For 3 Hour Rated, Add	*1,315.03*	
23 33 13 19-0474	EA	66" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,750.15	128.19
		For 3 Hour Rated, Add	*1,346.24*	
23 33 13 19-0475	EA	66" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,839.94	131.98
		For 3 Hour Rated, Add	*1,377.46*	
23 33 13 19-0476	EA	66" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,898.22	134.90
		For 3 Hour Rated, Add	*1,397.10*	
23 33 13 19-0477	EA	66" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,956.50	137.84
		For 3 Hour Rated, Add	*1,416.80*	
23 33 13 19-0478	EA	70" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,095.39	139.18
		For 3 Hour Rated, Add	*1,471.04*	
23 33 13 19-0479	EA	70" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,144.93	141.99
		For 3 Hour Rated, Add	*1,487.28*	
23 33 13 19-0480	EA	70" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,194.94	144.93
		For 3 Hour Rated, Add	*1,503.67*	

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23 33 13 19-0481	EA	70" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,368.30	148.10
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,569.40*	
23 33 13 19-0482	EA	70" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,542.86	151.40
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,635.61*	
23 33 13 19-0483	EA	70" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,675.85	152.75
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,686.99*	
23 33 13 19-0484	EA	70" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,809.16	154.09
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,738.51*	
23 33 13 19-0485	EA	72" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,538.59	120.24
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,271.10*	
23 33 13 19-0486	EA	72" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,615.43	119.76
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,302.18*	
23 33 13 19-0487	EA	72" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,692.42	119.38
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,333.26*	
23 33 13 19-0488	EA	72" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,833.53	126.11
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,381.84*	
23 33 13 19-0489	EA	72" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	3,975.52	133.07
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,430.57*	
23 33 13 19-0490	EA	72" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,066.76	137.84
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,461.20*	
23 33 13 19-0491	EA	72" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,158.14	142.73
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,491.88*	
23 33 13 19-0492	EA	72" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	4,900.72	156.91
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,771.71*	
23 33 13 19-0493	EA	72" x 60", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	5,564.01	176.21
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*2,014.15*	
23 33 13 19-0494	EA	90" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	5,197.73	178.41
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*1,864.86*	
23 33 13 19-0495		**Smoke Damper** *(23 33 13 19)*		
		Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0496	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.08	13.57
		For Dynamic Damper, Add	*47.73*	
		For 3 Hour Rated, Add	*26.52*	
23 33 13 19-0497	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.14	14.17
		For Dynamic Damper, Add	*48.93*	
		For 3 Hour Rated, Add	*27.18*	
23 33 13 19-0498	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.63	14.29
		For Dynamic Damper, Add	*50.14*	
		For 3 Hour Rated, Add	*27.86*	
23 33 13 19-0499	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.63	14.29
		For Dynamic Damper, Add	*50.14*	
		For 3 Hour Rated, Add	*27.86*	
23 33 13 19-0500	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.09	14.67
		For Dynamic Damper, Add	*51.35*	
		For 3 Hour Rated, Add	*28.53*	
23 33 13 19-0501	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.44	16.26
		For Dynamic Damper, Add	*53.76*	
		For 3 Hour Rated, Add	*29.87*	
23 33 13 19-0502	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.09	14.67
		For Dynamic Damper, Add	*51.35*	
		For 3 Hour Rated, Add	*28.53*	
23 33 13 19-0503	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.99	15.52
		For Dynamic Damper, Add	*53.76*	
		For 3 Hour Rated, Add	*29.87*	

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23 33 13 19-0504	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.69	16.26
		For Dynamic Damper, Add	*54.98*	
		For 3 Hour Rated, Add	*30.54*	
23 33 13 19-0505	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.03	18.33
		For Dynamic Damper, Add	*56.18*	
		For 3 Hour Rated, Add	*31.21*	
23 33 13 19-0506	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.88	15.52
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
23 33 13 19-0507	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.69	16.26
		For Dynamic Damper, Add	*54.98*	
		For 3 Hour Rated, Add	*30.54*	
23 33 13 19-0508	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.36	17.11
		For Dynamic Damper, Add	*56.18*	
		For 3 Hour Rated, Add	*31.21*	
23 33 13 19-0509	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.28	18.33
		For Dynamic Damper, Add	*57.40*	
		For 3 Hour Rated, Add	*31.89*	
23 33 13 19-0510	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.98	20.40
		For Dynamic Damper, Add	*60.42*	
		For 3 Hour Rated, Add	*33.56*	
23 33 13 19-0511	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.19	16.26
		For Dynamic Damper, Add	*98.99*	
		For 3 Hour Rated, Add	*54.99*	
23 33 13 19-0512	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.08	17.47
		For Dynamic Damper, Add	*100.19*	
		For 3 Hour Rated, Add	*55.66*	
23 33 13 19-0513	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.22	19.18
		For Dynamic Damper, Add	*101.41*	
		For 3 Hour Rated, Add	*56.34*	
23 33 13 19-0514	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.11	20.40
		For Dynamic Damper, Add	*102.61*	
		For 3 Hour Rated, Add	*57.00*	
23 33 13 19-0515	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.84	22.36
		For Dynamic Damper, Add	*105.64*	
		For 3 Hour Rated, Add	*58.69*	
23 33 13 19-0516	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.54	24.44
		For Dynamic Damper, Add	*108.66*	
		For 3 Hour Rated, Add	*60.37*	
23 33 13 19-0517	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.86	17.11
		For Dynamic Damper, Add	*100.19*	
		For 3 Hour Rated, Add	*55.66*	
23 33 13 19-0518	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.89	18.33
		For Dynamic Damper, Add	*102.01*	
		For 3 Hour Rated, Add	*56.67*	
23 33 13 19-0519	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.37	20.40
		For Dynamic Damper, Add	*103.83*	
		For 3 Hour Rated, Add	*57.68*	
23 33 13 19-0520	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.08	22.36
		For Dynamic Damper, Add	*106.85*	
		For 3 Hour Rated, Add	*59.36*	
23 33 13 19-0521	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.65	24.44
		For Dynamic Damper, Add	*109.26*	
		For 3 Hour Rated, Add	*60.70*	
23 33 13 19-0522	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.36	26.39
		For Dynamic Damper, Add	*112.29*	
		For 3 Hour Rated, Add	*62.38*	
23 33 13 19-0523	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.83	28.47
		For Dynamic Damper, Add	*114.10*	
		For 3 Hour Rated, Add	*63.39*	
23 33 13 19-0524	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.78	18.33
		For Dynamic Damper, Add	*101.41*	
		For 3 Hour Rated, Add	*56.34*	
23 33 13 19-0525	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.36	20.40
		For Dynamic Damper, Add	*103.82*	
		For 3 Hour Rated, Add	*57.68*	
23 33 13 19-0526	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.95	22.36
		For Dynamic Damper, Add	*106.24*	
		For 3 Hour Rated, Add	*59.02*	
23 33 13 19-0527	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.03	24.44
		For Dynamic Damper, Add	*111.08*	
		For 3 Hour Rated, Add	*61.71*	
23 33 13 19-0528	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.48	26.39
		For Dynamic Damper, Add	*112.89*	
		For 3 Hour Rated, Add	*62.72*	
23 33 13 19-0529	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.95	28.47
		For Dynamic Damper, Add	*114.71*	
		For 3 Hour Rated, Add	*63.73*	
23 33 13 19-0530	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.53	30.55
		For Dynamic Damper, Add	*117.12*	
		For 3 Hour Rated, Add	*65.07*	
23 33 13 19-0531	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.11	32.50
		For Dynamic Damper, Add	*119.53*	
		For 3 Hour Rated, Add	*66.41*	

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23 33 13 19-0532	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.79	20.40
		For Dynamic Damper, Add	*140.23*	
		For 3 Hour Rated, Add	*77.91*	
23 33 13 19-0533	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.63	22.36
		For Dynamic Damper, Add	*143.87*	
		For 3 Hour Rated, Add	*79.93*	
23 33 13 19-0534	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.23	24.44
		For Dynamic Damper, Add	*146.29*	
		For 3 Hour Rated, Add	*81.27*	
23 33 13 19-0535	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.04	26.39
		For Dynamic Damper, Add	*149.91*	
		For 3 Hour Rated, Add	*83.29*	
23 33 13 19-0536	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.51	28.47
		For Dynamic Damper, Add	*151.73*	
		For 3 Hour Rated, Add	*84.29*	
23 33 13 19-0537	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.96	30.55
		For Dynamic Damper, Add	*153.53*	
		For 3 Hour Rated, Add	*85.30*	
23 33 13 19-0538	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.80	32.50
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0539	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.73	36.66
		For Dynamic Damper, Add	*160.79*	
		For 3 Hour Rated, Add	*89.33*	
23 33 13 19-0540	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.92	40.69
		For Dynamic Damper, Add	*165.63*	
		For 3 Hour Rated, Add	*92.02*	
23 33 13 19-0541	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.63	22.36
		For Dynamic Damper, Add	*143.87*	
		For 3 Hour Rated, Add	*79.93*	
23 33 13 19-0542	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.23	24.44
		For Dynamic Damper, Add	*146.29*	
		For 3 Hour Rated, Add	*81.27*	
23 33 13 19-0543	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.04	26.39
		For Dynamic Damper, Add	*149.91*	
		For 3 Hour Rated, Add	*83.29*	
23 33 13 19-0544	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.62	28.47
		For Dynamic Damper, Add	*152.33*	
		For 3 Hour Rated, Add	*84.63*	
23 33 13 19-0545	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.32	30.55
		For Dynamic Damper, Add	*155.35*	
		For 3 Hour Rated, Add	*86.30*	
23 33 13 19-0546	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.03	32.50
		For Dynamic Damper, Add	*158.37*	
		For 3 Hour Rated, Add	*87.98*	
23 33 13 19-0547	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.97	36.66
		For Dynamic Damper, Add	*161.99*	
		For 3 Hour Rated, Add	*90.00*	
23 33 13 19-0548	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.92	40.69
		For Dynamic Damper, Add	*165.63*	
		For 3 Hour Rated, Add	*92.02*	
23 33 13 19-0549	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.44	42.77
		For Dynamic Damper, Add	*172.87*	
		For 3 Hour Rated, Add	*96.04*	
23 33 13 19-0550	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.86	46.80
		For Dynamic Damper, Add	*178.92*	
		For 3 Hour Rated, Add	*99.40*	
23 33 13 19-0551	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.94	24.44
		For Dynamic Damper, Add	*149.91*	
		For 3 Hour Rated, Add	*83.29*	
23 33 13 19-0552	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.26	26.39
		For Dynamic Damper, Add	*151.11*	
		For 3 Hour Rated, Add	*83.95*	
23 33 13 19-0553	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.62	28.47
		For Dynamic Damper, Add	*152.33*	
		For 3 Hour Rated, Add	*84.63*	
23 33 13 19-0554	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.19	30.55
		For Dynamic Damper, Add	*154.74*	
		For 3 Hour Rated, Add	*85.97*	
23 33 13 19-0555	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.45	32.50
		For Dynamic Damper, Add	*158.59*	
		For 3 Hour Rated, Add	*88.11*	
23 33 13 19-0556	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.97	36.66
		For Dynamic Damper, Add	*161.99*	
		For 3 Hour Rated, Add	*90.00*	
23 33 13 19-0557	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.15	40.69
		For Dynamic Damper, Add	*166.83*	
		For 3 Hour Rated, Add	*92.69*	
23 33 13 19-0558	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.34	44.72
		For Dynamic Damper, Add	*171.68*	
		For 3 Hour Rated, Add	*95.38*	
23 33 13 19-0559	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.86	46.80
		For Dynamic Damper, Add	*178.92*	
		For 3 Hour Rated, Add	*99.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0560	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.31	50.10
		For Dynamic Damper, Add	*187.39*	
		For 3 Hour Rated, Add	*104.10*	
23 33 13 19-0561	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.77	52.91
		For Dynamic Damper, Add	*197.05*	
		For 3 Hour Rated, Add	*109.47*	
23 33 13 19-0562	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.59	26.39
		For Dynamic Damper, Add	*155.61*	
		For 3 Hour Rated, Add	*86.45*	
23 33 13 19-0563	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.38	28.47
		For Dynamic Damper, Add	*158.14*	
		For 3 Hour Rated, Add	*87.86*	
23 33 13 19-0564	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.16	30.55
		For Dynamic Damper, Add	*160.66*	
		For 3 Hour Rated, Add	*89.26*	
23 33 13 19-0565	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.33	32.50
		For Dynamic Damper, Add	*164.47*	
		For 3 Hour Rated, Add	*91.37*	
23 33 13 19-0566	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.08	36.66
		For Dynamic Damper, Add	*166.37*	
		For 3 Hour Rated, Add	*92.43*	
23 33 13 19-0567	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.71	38.61
		For Dynamic Damper, Add	*168.27*	
		For 3 Hour Rated, Add	*93.49*	
23 33 13 19-0568	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.76	44.72
		For Dynamic Damper, Add	*174.60*	
		For 3 Hour Rated, Add	*97.00*	
23 33 13 19-0569	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.69	48.88
		For Dynamic Damper, Add	*180.93*	
		For 3 Hour Rated, Add	*100.52*	
23 33 13 19-0570	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.65	50.47
		For Dynamic Damper, Add	*188.53*	
		For 3 Hour Rated, Add	*104.74*	
23 33 13 19-0571	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.39	54.13
		For Dynamic Damper, Add	*198.65*	
		For 3 Hour Rated, Add	*110.36*	
23 33 13 19-0572	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	555.37	56.95
		For Dynamic Damper, Add	*207.52*	
		For 3 Hour Rated, Add	*115.29*	
23 33 13 19-0573	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.24	59.02
		For Dynamic Damper, Add	*217.65*	
		For 3 Hour Rated, Add	*120.92*	
23 33 13 19-0574	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.93	30.55
		For Dynamic Damper, Add	*183.28*	
		For 3 Hour Rated, Add	*101.82*	
23 33 13 19-0575	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.41	32.50
		For Dynamic Damper, Add	*188.34*	
		For 3 Hour Rated, Add	*104.63*	
23 33 13 19-0576	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.88	34.58
		For Dynamic Damper, Add	*189.60*	
		For 3 Hour Rated, Add	*105.34*	
23 33 13 19-0577	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.34	36.66
		For Dynamic Damper, Add	*190.87*	
		For 3 Hour Rated, Add	*106.04*	
23 33 13 19-0578	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.77	38.61
		For Dynamic Damper, Add	*195.31*	
		For 3 Hour Rated, Add	*108.50*	
23 33 13 19-0579	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.10	40.69
		For Dynamic Damper, Add	*199.75*	
		For 3 Hour Rated, Add	*110.97*	
23 33 13 19-0580	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.80	46.80
		For Dynamic Damper, Add	*204.81*	
		For 3 Hour Rated, Add	*113.78*	
23 33 13 19-0581	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.41	50.84
		For Dynamic Damper, Add	*209.88*	
		For 3 Hour Rated, Add	*116.60*	
23 33 13 19-0582	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.24	54.13
		For Dynamic Damper, Add	*217.47*	
		For 3 Hour Rated, Add	*120.82*	
23 33 13 19-0583	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.59	56.95
		For Dynamic Damper, Add	*231.40*	
		For 3 Hour Rated, Add	*128.55*	
23 33 13 19-0584	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.41	60.24
		For Dynamic Damper, Add	*238.98*	
		For 3 Hour Rated, Add	*132.77*	
23 33 13 19-0585	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.10	61.83
		For Dynamic Damper, Add	*252.91*	
		For 3 Hour Rated, Add	*140.51*	
23 33 13 19-0586	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.34	65.13
		For Dynamic Damper, Add	*265.58*	
		For 3 Hour Rated, Add	*147.55*	
23 33 13 19-0587	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.73	30.55
		For Dynamic Damper, Add	*185.81*	
		For 3 Hour Rated, Add	*103.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0588	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.23	32.50
		For Dynamic Damper, Add	*190.87*	
		For 3 Hour Rated, Add	*106.04*	
23 33 13 19-0589	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.39	34.58
		For Dynamic Damper, Add	*194.68*	
		For 3 Hour Rated, Add	*108.16*	
23 33 13 19-0590	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.85	36.66
		For Dynamic Damper, Add	*195.95*	
		For 3 Hour Rated, Add	*108.86*	
23 33 13 19-0591	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.33	38.61
		For Dynamic Damper, Add	*201.01*	
		For 3 Hour Rated, Add	*111.67*	
23 33 13 19-0592	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.82	40.69
		For Dynamic Damper, Add	*206.07*	
		For 3 Hour Rated, Add	*114.49*	
23 33 13 19-0593	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.99	48.88
		For Dynamic Damper, Add	*212.41*	
		For 3 Hour Rated, Add	*118.01*	
23 33 13 19-0594	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	563.92	52.91
		For Dynamic Damper, Add	*218.73*	
		For 3 Hour Rated, Add	*121.52*	
23 33 13 19-0595	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.59	56.95
		For Dynamic Damper, Add	*231.40*	
		For 3 Hour Rated, Add	*128.55*	
23 33 13 19-0596	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.92	61.10
		For Dynamic Damper, Add	*242.79*	
		For 3 Hour Rated, Add	*134.89*	
23 33 13 19-0597	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.56	65.13
		For Dynamic Damper, Add	*255.44*	
		For 3 Hour Rated, Add	*141.91*	
23 33 13 19-0598	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.78	67.08
		For Dynamic Damper, Add	*266.84*	
		For 3 Hour Rated, Add	*148.25*	
23 33 13 19-0599	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	723.00	69.17
		For Dynamic Damper, Add	*278.24*	
		For 3 Hour Rated, Add	*154.58*	
23 33 13 19-0600	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.22	71.24
		For Dynamic Damper, Add	*289.64*	
		For 3 Hour Rated, Add	*160.91*	
23 33 13 19-0601	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.88	32.50
		For Dynamic Damper, Add	*189.60*	
		For 3 Hour Rated, Add	*105.34*	
23 33 13 19-0602	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.39	34.58
		For Dynamic Damper, Add	*194.68*	
		For 3 Hour Rated, Add	*108.16*	
23 33 13 19-0603	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.85	36.66
		For Dynamic Damper, Add	*195.95*	
		For 3 Hour Rated, Add	*108.86*	
23 33 13 19-0604	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.10	40.69
		For Dynamic Damper, Add	*199.75*	
		For 3 Hour Rated, Add	*110.97*	
23 33 13 19-0605	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.69	44.72
		For Dynamic Damper, Add	*204.81*	
		For 3 Hour Rated, Add	*113.78*	
23 33 13 19-0606	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.30	48.88
		For Dynamic Damper, Add	*209.88*	
		For 3 Hour Rated, Add	*116.60*	
23 33 13 19-0607	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	561.58	52.91
		For Dynamic Damper, Add	*217.47*	
		For 3 Hour Rated, Add	*120.82*	
23 33 13 19-0608	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.85	56.95
		For Dynamic Damper, Add	*225.06*	
		For 3 Hour Rated, Add	*125.03*	
23 33 13 19-0609	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	621.18	61.10
		For Dynamic Damper, Add	*236.46*	
		For 3 Hour Rated, Add	*131.36*	
23 33 13 19-0610	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.19	65.13
		For Dynamic Damper, Add	*250.38*	
		For 3 Hour Rated, Add	*139.10*	
23 33 13 19-0611	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.42	67.08
		For Dynamic Damper, Add	*261.79*	
		For 3 Hour Rated, Add	*145.44*	
23 33 13 19-0612	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.65	69.17
		For Dynamic Damper, Add	*276.97*	
		For 3 Hour Rated, Add	*153.87*	
23 33 13 19-0613	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	753.98	73.19
		For Dynamic Damper, Add	*288.37*	
		For 3 Hour Rated, Add	*160.21*	
23 33 13 19-0614	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	788.22	75.28
		For Dynamic Damper, Add	*303.56*	
		For 3 Hour Rated, Add	*168.65*	
23 33 13 19-0615	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	825.31	81.39
		For Dynamic Damper, Add	*313.70*	
		For 3 Hour Rated, Add	*174.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0616	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.05	34.58
		For Dynamic Damper, Add	*193.42*	
		For 3 Hour Rated, Add	*107.45*	
23 33 13 19-0617	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.53	36.66
		For Dynamic Damper, Add	*198.48*	
		For 3 Hour Rated, Add	*110.27*	
23 33 13 19-0618	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.12	40.69
		For Dynamic Damper, Add	*203.54*	
		For 3 Hour Rated, Add	*113.08*	
23 33 13 19-0619	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.69	44.72
		For Dynamic Damper, Add	*204.81*	
		For 3 Hour Rated, Add	*113.78*	
23 33 13 19-0620	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.47	48.88
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0621	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.24	52.91
		For Dynamic Damper, Add	*216.21*	
		For 3 Hour Rated, Add	*120.11*	
23 33 13 19-0622	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	585.52	56.95
		For Dynamic Damper, Add	*223.80*	
		For 3 Hour Rated, Add	*124.33*	
23 33 13 19-0623	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.81	61.10
		For Dynamic Damper, Add	*231.40*	
		For 3 Hour Rated, Add	*128.55*	
23 33 13 19-0624	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.14	65.13
		For Dynamic Damper, Add	*242.79*	
		For 3 Hour Rated, Add	*134.89*	
23 33 13 19-0625	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.48	69.17
		For Dynamic Damper, Add	*257.98*	
		For 3 Hour Rated, Add	*143.32*	
23 33 13 19-0626	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.03	71.24
		For Dynamic Damper, Add	*270.64*	
		For 3 Hour Rated, Add	*150.35*	
23 33 13 19-0627	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	751.63	73.19
		For Dynamic Damper, Add	*287.10*	
		For 3 Hour Rated, Add	*159.50*	
23 33 13 19-0628	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.97	77.35
		For Dynamic Damper, Add	*302.29*	
		For 3 Hour Rated, Add	*167.94*	
23 33 13 19-0629	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	825.31	81.39
		For Dynamic Damper, Add	*313.70*	
		For 3 Hour Rated, Add	*174.28*	
23 33 13 19-0630	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	871.77	87.50
		For Dynamic Damper, Add	*328.89*	
		For 3 Hour Rated, Add	*182.72*	
23 33 13 19-0631	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	907.45	91.52
		For Dynamic Damper, Add	*341.56*	
		For 3 Hour Rated, Add	*189.75*	
23 33 13 19-0632	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.85	36.66
		For Dynamic Damper, Add	*195.95*	
		For 3 Hour Rated, Add	*108.86*	
23 33 13 19-0633	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.77	40.69
		For Dynamic Damper, Add	*202.27*	
		For 3 Hour Rated, Add	*112.37*	
23 33 13 19-0634	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.04	44.72
		For Dynamic Damper, Add	*206.07*	
		For 3 Hour Rated, Add	*114.49*	
23 33 13 19-0635	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.59	48.88
		For Dynamic Damper, Add	*207.33*	
		For 3 Hour Rated, Add	*115.19*	
23 33 13 19-0636	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	555.72	52.91
		For Dynamic Damper, Add	*214.30*	
		For 3 Hour Rated, Add	*119.06*	
23 33 13 19-0637	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.83	56.95
		For Dynamic Damper, Add	*221.27*	
		For 3 Hour Rated, Add	*122.93*	
23 33 13 19-0638	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.94	61.10
		For Dynamic Damper, Add	*228.23*	
		For 3 Hour Rated, Add	*126.79*	
23 33 13 19-0639	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.06	65.13
		For Dynamic Damper, Add	*235.19*	
		For 3 Hour Rated, Add	*130.66*	
23 33 13 19-0640	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.41	69.17
		For Dynamic Damper, Add	*250.38*	
		For 3 Hour Rated, Add	*139.10*	
23 33 13 19-0641	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.67	71.24
		For Dynamic Damper, Add	*265.58*	
		For 3 Hour Rated, Add	*147.55*	
23 33 13 19-0642	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	737.57	73.19
		For Dynamic Damper, Add	*279.51*	
		For 3 Hour Rated, Add	*155.28*	
23 33 13 19-0643	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.61	77.35
		For Dynamic Damper, Add	*297.23*	
		For 3 Hour Rated, Add	*165.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0644	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.96	81.39
		For Dynamic Damper, Add	*312.43*	
		For 3 Hour Rated, Add	*173.57*	
23 33 13 19-0645	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.66	85.41
		For Dynamic Damper, Add	*328.89*	
		For 3 Hour Rated, Add	*182.72*	
23 33 13 19-0646	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	901.34	89.57
		For Dynamic Damper, Add	*341.56*	
		For 3 Hour Rated, Add	*189.75*	
23 33 13 19-0647	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	944.04	93.61
		For Dynamic Damper, Add	*358.01*	
		For 3 Hour Rated, Add	*198.90*	
23 33 13 19-0648	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	986.75	97.63
		For Dynamic Damper, Add	*374.47*	
		For 3 Hour Rated, Add	*208.04*	
23 33 13 19-0649	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.10	40.69
		For Dynamic Damper, Add	*199.75*	
		For 3 Hour Rated, Add	*110.97*	
23 33 13 19-0650	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.04	44.72
		For Dynamic Damper, Add	*206.07*	
		For 3 Hour Rated, Add	*114.49*	
23 33 13 19-0651	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.93	48.88
		For Dynamic Damper, Add	*208.60*	
		For 3 Hour Rated, Add	*115.89*	
23 33 13 19-0652	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.52	52.91
		For Dynamic Damper, Add	*209.88*	
		For 3 Hour Rated, Add	*116.60*	
23 33 13 19-0653	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.80	56.95
		For Dynamic Damper, Add	*217.47*	
		For 3 Hour Rated, Add	*120.82*	
23 33 13 19-0654	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.07	61.10
		For Dynamic Damper, Add	*225.06*	
		For 3 Hour Rated, Add	*125.03*	
23 33 13 19-0655	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.54	65.13
		For Dynamic Damper, Add	*233.29*	
		For 3 Hour Rated, Add	*129.61*	
23 33 13 19-0656	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.00	69.17
		For Dynamic Damper, Add	*241.52*	
		For 3 Hour Rated, Add	*134.18*	
23 33 13 19-0657	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	691.59	71.24
		For Dynamic Damper, Add	*257.98*	
		For 3 Hour Rated, Add	*143.32*	
23 33 13 19-0658	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.83	73.19
		For Dynamic Damper, Add	*273.17*	
		For 3 Hour Rated, Add	*151.76*	
23 33 13 19-0659	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	768.55	77.35
		For Dynamic Damper, Add	*289.64*	
		For 3 Hour Rated, Add	*160.91*	
23 33 13 19-0660	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	811.24	81.39
		For Dynamic Damper, Add	*306.10*	
		For 3 Hour Rated, Add	*170.06*	
23 33 13 19-0661	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.90	85.41
		For Dynamic Damper, Add	*318.76*	
		For 3 Hour Rated, Add	*177.09*	
23 33 13 19-0662	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	896.62	89.57
		For Dynamic Damper, Add	*339.01*	
		For 3 Hour Rated, Add	*188.34*	
23 33 13 19-0663	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.67	93.61
		For Dynamic Damper, Add	*356.73*	
		For 3 Hour Rated, Add	*198.19*	
23 33 13 19-0664	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	986.75	97.63
		For Dynamic Damper, Add	*374.47*	
		For 3 Hour Rated, Add	*208.04*	
23 33 13 19-0665	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,027.07	101.79
		For Dynamic Damper, Add	*389.65*	
		For 3 Hour Rated, Add	*216.47*	
23 33 13 19-0666	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,067.45	105.83
		For Dynamic Damper, Add	*404.85*	
		For 3 Hour Rated, Add	*224.92*	

23 33 13 19-0667 Motorized Combination Fire/Smoke Damper (Dayton) *(23 33 13 19)*

Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.

23 33 13 19-0668	EA	8" Width x 8" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ9)	725.93	22.24
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0669	EA	10" Width x 10" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK1)	740.73	23.22
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0670	EA	12" Width x 12" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK2)	802.78	24.44
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0671	EA	16" Width x 16" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK3)	841.31	25.79
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0672	EA	18" Width x 18" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK4) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	900.72	27.13
23 33 13 19-0673	EA	24" Width x 24" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK5) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	983.78	28.72
23 33 13 19-0674	EA	8" Width x 8" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ3) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	728.69	22.24
23 33 13 19-0675	EA	10" Width x 10" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ4) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	728.17	23.22
23 33 13 19-0676	EA	12" Width x 12" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ5) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	802.73	24.44
23 33 13 19-0677	EA	16" Width x 16" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ6) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	841.31	25.79
23 33 13 19-0678	EA	18" Width x 18" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ7) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	900.72	27.13
23 33 13 19-0679	EA	24" Width x 24" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ8) Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	963.19	28.72

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	105.54	13.57
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	128.97	14.17
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	158.03	14.29
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	150.84	14.29
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	143.48	14.67
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	173.23	16.26
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	133.54	14.67
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	168.26	16.26
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	159.99	17.11
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	185.41	18.33
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	150.89	15.52
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	152.74	17.11
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	181.80	18.33
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	158.64	20.40
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	181.01	22.36
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	168.26	16.26
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	170.91	18.33
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	154.00	20.40
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	172.56	20.40
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	197.27	22.36
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	221.94	24.44
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	149.14	17.11
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	138.58	18.33
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	165.59	20.40
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	192.60	22.36
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	219.60	24.44
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	251.97	26.39
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	285.75	30.55
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	228.57	32.50
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	266.94	36.66
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	163.66	18.33
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	154.00	20.40
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	183.31	22.36
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	212.66	24.44
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	247.18	26.39
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	277.25	28.47
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	228.57	32.50
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	243.10	32.50
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	284.38	36.66
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	325.66	40.69
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	300.51	44.72
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	333.47	48.88
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	144.69	20.40
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	178.67	22.36
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	212.66	24.44
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	251.97	26.39
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	213.72	30.55
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	237.28	32.50
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	266.94	36.66
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	284.38	36.66
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	331.48	40.69
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	308.79	44.72
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	345.94	48.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	383.06	52.91
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	370.38	56.95
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	402.53	61.10
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	422.45	61.10
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	158.64	20.40
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	197.27	22.36
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	247.18	26.39
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	213.72	30.55
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	240.19	32.50
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	272.76	36.66
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	305.33	40.69
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	325.66	40.69
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	308.79	44.72
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	350.10	48.88
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	391.37	52.91
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	392.55	61.10
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	415.81	61.10
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	451.27	65.13
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	486.75	69.17
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	510.01	69.17
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	504.79	73.19
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	525.11	73.19
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	178.67	22.36
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	232.80	26.39
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	277.25	28.47
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	237.28	32.50
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	272.76	36.66
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	308.22	40.69
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	271.67	40.69
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	300.51	44.72
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	345.94	48.88
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	391.37	52.91
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	395.89	61.10
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	422.45	61.10
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	461.24	65.13
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	500.03	69.17
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	498.97	73.19
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	522.23	73.19
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	557.68	77.35
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	580.95	77.35
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	563.25	81.39
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	583.18	81.39
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	615.33	85.41
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	192.60	22.36
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	258.08	28.47
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	228.57	32.50
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	266.94	36.66
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	305.33	40.69
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	271.67	40.69
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	302.57	44.72
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	333.47	48.88
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	383.06	52.91
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	392.55	61.10
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	422.45	61.10
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	464.55	65.13
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	506.68	69.17
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	507.67	73.19
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	546.07	77.35
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	572.21	77.35
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	558.28	81.39
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	580.69	81.39
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	615.33	85.41
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	637.74	85.41
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	660.19	85.41
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	212.66	24.44
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	283.36	30.55
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	243.10	32.50
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	284.38	36.66
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	325.66	40.69
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	300.51	44.72
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	333.47	48.88
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	366.44	52.91
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	370.38	56.95
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	415.81	61.10
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	461.24	65.13
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	506.68	69.17
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	510.58	73.19
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	551.86	77.35
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	580.95	77.35
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	555.79	81.39
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	237.59	26.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	225.66	32.50
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	269.85	36.66
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	314.04	40.69
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	294.26	44.72
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	329.32	48.88
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	352.16	48.88
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	387.22	52.91
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	402.53	61.10
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	451.27	65.13
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	500.03	69.17
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	507.67	73.19
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	551.86	77.35
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	583.83	77.35
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	573.23	81.39
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	586.91	81.39
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	258.08	28.47
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	237.28	32.50
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	284.38	36.66
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	271.67	40.69
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	308.79	44.72
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	345.94	48.88
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	383.06	52.91
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	370.38	56.95
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	422.45	61.10
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	486.75	69.17
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	498.97	73.19
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	546.07	77.35
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	580.95	77.35
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	573.23	81.39
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	615.33	85.41
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	630.28	85.41
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	265.27	28.47
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	255.32	36.66
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	303.88	40.69
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	290.11	44.72
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	328.29	48.88
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	366.44	52.91
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	404.62	56.95
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	390.88	61.10
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	444.62	65.13
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	498.36	69.17
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	510.58	73.19
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	559.14	77.35
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	555.79	81.39
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	586.91	81.39
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	630.28	85.41
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	645.84	85.41

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	115.36	13.57
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	142.10	14.17
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	146.50	14.29
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	153.41	14.29
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	168.48	14.67
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	187.19	16.26
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	189.22	14.67
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	214.85	16.26
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	217.29	17.11
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	227.87	18.33
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	182.92	15.52
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	192.87	17.11
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	206.64	18.33
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	212.75	20.40
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	228.96	22.36
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	225.80	16.26
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	236.97	18.33
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	205.96	20.40
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	205.96	20.40
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	228.14	22.36
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	234.25	24.44
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	220.29	17.11
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	223.96	18.33
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	242.14	20.40
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	260.32	22.36
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	266.43	24.44
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	272.53	26.39
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	288.79	30.55
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	284.96	32.50
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	312.16	36.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	257.17	18.33
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	270.77	20.40
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	276.88	22.36
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	297.95	24.44
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	304.05	26.39
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	310.16	28.47
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	333.64	32.50
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	337.37	32.50
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	349.59	36.66
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	369.30	40.69
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	396.50	44.72
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	408.72	48.88
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	330.68	20.40
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	336.79	22.36
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	342.90	24.44
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	349.00	26.39
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	372.44	30.55
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	397.27	32.50
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	409.49	36.66
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	409.49	36.66
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	361.81	40.69
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	340.76	44.72
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	352.98	48.88
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	375.02	52.91
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	392.16	56.95
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	404.38	61.10
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	404.38	61.10
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	296.92	20.40
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	303.03	22.36
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	315.24	26.39
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	332.37	30.55
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	343.41	32.50
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	355.63	36.66
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	367.85	40.69
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	387.50	40.69
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	399.72	44.72
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	411.94	48.88
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	429.07	52.91
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	458.43	61.10
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	458.43	61.10
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	492.76	65.13
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	459.72	69.17
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	459.72	69.17
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	471.94	73.19
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	482.44	73.19
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	331.78	22.36
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	343.99	26.39
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	354.32	28.47
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	374.92	32.50
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	403.94	36.66
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	416.16	40.69
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	416.16	40.69
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	436.78	44.72
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	449.00	48.88
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	461.22	52.91
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	485.66	61.10
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	498.28	61.10
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	518.90	65.13
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	543.71	69.17
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	555.93	73.19
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	555.93	73.19
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	572.33	77.35
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	587.04	77.35
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	568.83	81.39
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	568.83	81.39
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	594.58	85.41
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	407.09	22.36
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	433.15	28.47
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	445.38	32.50
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	457.60	36.66
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	492.99	40.69
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	492.99	40.69
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	505.21	44.72
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	525.16	48.88
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	541.23	52.91
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	569.53	61.10
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	569.53	61.10
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	612.65	65.13
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	624.87	69.17
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	637.09	73.19
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	657.05	77.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	664.78	77.35
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	676.99	81.39
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	678.90	81.39
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	720.09	85.41
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	720.09	85.41
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	720.09	85.41
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	556.12	24.44
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	578.29	30.55
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	584.41	32.50
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	604.36	36.66
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	576.91	40.69
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	589.13	44.72
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	628.89	48.88
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	641.11	52.91
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	667.13	56.95
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	679.35	61.10
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	691.57	65.13
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	703.79	69.17
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	736.67	73.19
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	762.66	77.35
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	762.66	77.35
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	795.55	81.39
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	630.58	26.39
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	655.81	32.50
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	688.68	36.66
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	700.90	40.69
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	737.23	44.72
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	752.91	48.88
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	752.91	48.88
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	780.63	52.91
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	741.35	61.10
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	759.75	65.13
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	802.97	69.17
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	815.19	73.19
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	839.82	77.35
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	846.03	77.35
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	858.24	81.39
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	864.43	81.39
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	705.57	28.47
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	742.61	32.50
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	761.02	36.66
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	791.86	40.69
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	804.08	44.72
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	828.71	48.88
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	840.93	52.91
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	865.52	56.95
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	803.34	61.10
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	852.59	69.17
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	881.34	73.19
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	893.56	77.35
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	893.56	77.35
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	911.29	81.39
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	945.56	85.41
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	945.56	85.41
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	779.97	28.47
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	815.46	36.66
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	849.73	40.69
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	861.95	44.72
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	890.70	48.88
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	908.44	52.91
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	834.19	56.95
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	846.41	61.10
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	889.96	65.13
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	902.18	69.17
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	914.40	73.19
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	955.56	77.35
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	967.77	81.39
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	982.24	81.39
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,010.14	85.41
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,037.86	85.41
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	283.82	31.21
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	487.03	31.21
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	43.64	8.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	288.03	31.52
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	321.56	35.92
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	412.90	47.66
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	571.35	54.99
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	639.84	65.99
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	954.82	83.58
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	399.23	31.52
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	453.72	35.92
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	504.92	47.66
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	709.11	54.99
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	791.91	65.99
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,223.84	83.58
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	383.15	50.01
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	461.37	57.33
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	601.61	65.87
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	733.88	74.41
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	677.17	74.41
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	870.98	78.06
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	963.42	82.94
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,058.30	87.82
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,393.73	100.01
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	863.29	82.94
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,170.12	100.01
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,087.38	134.16
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,311.75	141.48
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,582.27	152.46
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,901.36	165.88
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	428.13	109.78
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	516.97	126.85
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	675.78	146.36
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	824.50	164.66
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	760.03	164.66
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	981.84	174.41
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,082.70	182.95
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,185.40	192.71
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,569.26	219.54
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	968.92	182.95
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,315.16	219.54
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,341.27	289.06
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,614.55	313.46
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,906.67	332.97
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,272.82	365.91
23 33 19 00-0033		84" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	368.78	91.47
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	634.71	136.61
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	884.62	200.03
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	500.19	109.78
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	623.16	126.85
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	850.23	146.36
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,007.67	157.34
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,100.05	169.53
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,389.90	182.95
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,646.92	200.03
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	940.76	169.53
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,351.54	176.85
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,477.13	182.95
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,610.16	192.71
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,026.06	207.35
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,198.82	219.54
23 33 23		**Turning Vanes** *(23 33)*		
23 33 23 00-0001		Duct Turning Vane Components *(23 33 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0002	LF	Duct Turning Vane Rail	13.35	3.05
		For Stainless Steel, Add	*9.14*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	13.12	1.22
		For Stainless Steel, Add	*13.77*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	54.37	4.57
		For Stainless Steel, Add	*63.25*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	67.63	4.88
		For Stainless Steel, Add	*79.99*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	92.60	5.12
		For Stainless Steel, Add	*112.00*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	117.63	5.49
		For Stainless Steel, Add	*144.00*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	130.39	5.85
		For Stainless Steel, Add	*159.99*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	166.86	5.49
		For Stainless Steel, Add	*208.01*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	205.08	6.46
		For Stainless Steel, Add	*256.02*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	220.21	6.76
		For Stainless Steel, Add	*275.29*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	245.95	7.03
		For Stainless Steel, Add	*308.32*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	96.97	17.08
		For Stainless Steel, Add	*56.72*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	102.92	17.08
		For Stainless Steel, Add	*68.62*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	105.83	17.08
		For Stainless Steel, Add	*74.44*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	136.93	20.73
		For Stainless Steel, Add	*104.98*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	138.11	20.73
		For Stainless Steel, Add	*107.34*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	171.55	28.05
		For Stainless Steel, Add	*123.54*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	203.72	34.15
		For Stainless Steel, Add	*133.02*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	264.62	46.34
		For Stainless Steel, Add	*163.34*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	15.53	3.65
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	15.96	3.29

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	9.28	1.22
		For R6.0 Insulated Flexible Duct, Deduct	*-1.07*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.24*	
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.22	2.44
		For R6.0 Insulated Flexible Duct, Deduct	*-1.13*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.32*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.40	2.44
		For R6.0 Insulated Flexible Duct, Deduct	*-1.15*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.34*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	13.19	2.44
		For R6.0 Insulated Flexible Duct, Deduct	*-1.29*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.50*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	15.30	3.65
		For R6.0 Insulated Flexible Duct, Deduct	*-1.30*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.52*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	19.85	3.65
		For R6.0 Insulated Flexible Duct, Deduct	*-1.75*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	26.44	4.88
		For R6.0 Insulated Flexible Duct, Deduct	*-2.08*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.43*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	32.86	4.88
		For R6.0 Insulated Flexible Duct, Deduct	*-2.54*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.96*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	42.67	6.10
		For R6.0 Insulated Flexible Duct, Deduct	*-3.03*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.54*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	52.20	7.92
		For R6.0 Insulated Flexible Duct, Deduct	*-3.95*	
		For R4.2 Insulated Flexible Duct, Deduct	*-4.61*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	62.54	8.54
		For R6.0 Insulated Flexible Duct, Deduct	*-5.96*	
		For R4.2 Insulated Flexible Duct, Deduct	*-6.95*	
23 33 46 00-0013		**Collars, Sheet Metal Spin-In Type With Damper** *(23 33 46)*		
23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	51.75	7.32
		For Stainless Steel, Add	*31.59*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	55.98	8.54
		For Stainless Steel, Add	*32.01*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	63.74	8.54
		For Stainless Steel, Add	*35.30*	
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	71.93	10.97
		For Stainless Steel, Add	*36.43*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	86.53	13.42
		For Stainless Steel, Add	*41.15*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	101.75	15.86
		For Stainless Steel, Add	*50.73*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	115.22	18.29
		For Stainless Steel, Add	*54.65*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	136.80	20.73
		For Stainless Steel, Add	*68.43*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	149.06	23.18
		For Stainless Steel, Add	*74.87*	
23 33 53		**Duct Liners** *(23 33)*		
23 33 53 00-0001		**Fiberglass Duct Liner Board, Rigid, Acoustical Insulation** *(23 33 53)*		
23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.98	3.22
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.16	3.22
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.78	4.30
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	19.39	4.30
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	23.39	4.84
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.85	3.65
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.03	3.65
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.67	4.88
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	19.14	4.88
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	23.18	5.49
23 33 53 00-0012		**Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation** *(23 33 53)*		
23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	3.20	2.93
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	4.08	3.29
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	4.80	3.29
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	6.32	3.29
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	5.18	3.65
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	5.49	4.03
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	8.77	4.03
23 33 56		**Duct Air Extractors** *(23 33)*		
23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	61.53	20.13
		For Stainless Steel, Add	*27.66*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	65.19	21.96
		For Stainless Steel, Add	*27.66*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	75.78	23.18
		For Stainless Steel, Add	*38.27*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	86.13	24.40
		For Stainless Steel, Add	*48.54*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	115.32	26.83
		For Stainless Steel, Add	*80.16*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	81.79	24.40
		For Stainless Steel, Add	*42.90*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	108.74	30.49
		For Stainless Steel, Add	*62.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	116.41	34.76
		For Stainless Steel, Add	*60.96*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	142.51	40.85
		For Stainless Steel, Add	*79.03*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	162.70	48.79
		For Stainless Steel, Add	*84.67*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	203.60	60.98
		For Stainless Steel, Add	*106.12*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,244.08	36.59
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,022.10	30.49
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,012.34	33.54

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,910.13	374.78
		For 1/4" Static Pressure, Add	*92.79*	
		For 3/8" Static Pressure, Add	*185.57*	
		For 1/2" Static Pressure, Add	*255.16*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,992.97	375.90
		For 1/4" Static Pressure, Add	*99.41*	
		For 3/8" Static Pressure, Add	*198.83*	
		For 1/2" Static Pressure, Add	*273.39*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,158.66	374.78
		For 1/4" Static Pressure, Add	*112.67*	
		For 3/8" Static Pressure, Add	*225.34*	
		For 1/2" Static Pressure, Add	*309.84*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,324.35	375.90
		For 1/4" Static Pressure, Add	*125.92*	
		For 3/8" Static Pressure, Add	*251.85*	
		For 1/2" Static Pressure, Add	*346.29*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,722.94	450.19
		For 1/4" Static Pressure, Add	*145.81*	
		For 3/8" Static Pressure, Add	*291.61*	
		For 1/2" Static Pressure, Add	*400.97*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,132.61	489.58
		For 1/4" Static Pressure, Add	*172.32*	
		For 3/8" Static Pressure, Add	*344.63*	
		For 1/2" Static Pressure, Add	*473.87*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,308.66	535.72
		For 1/4" Static Pressure, Add	*178.94*	
		For 3/8" Static Pressure, Add	*357.89*	
		For 1/2" Static Pressure, Add	*492.09*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	3,776.48	562.73
		For 1/4" Static Pressure, Add	*212.08*	
		For 3/8" Static Pressure, Add	*424.16*	
		For 1/2" Static Pressure, Add	*583.22*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,554.90	703.41
		For 1/4" Static Pressure, Add	*251.85*	
		For 3/8" Static Pressure, Add	*503.69*	
		For 1/2" Static Pressure, Add	*692.58*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,145.76	750.68
		For 1/4" Static Pressure, Add	*291.61*	
		For 3/8" Static Pressure, Add	*583.22*	
		For 1/2" Static Pressure, Add	*801.93*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,039.38	865.48
		For 1/4" Static Pressure, Add	*344.63*	
		For 3/8" Static Pressure, Add	*689.26*	
		For 1/2" Static Pressure, Add	*947.74*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,811.16	363.53
		For 1/4" Static Pressure, Add	*86.80*	
		For 3/8" Static Pressure, Add	*173.61*	
		For 1/2" Static Pressure, Add	*238.71*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,921.03	375.90
		For 1/4" Static Pressure, Add	*93.66*	
		For 3/8" Static Pressure, Add	*187.32*	
		For 1/2" Static Pressure, Add	*257.56*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,984.96	388.28
		For 1/4" Static Pressure, Add	*96.70*	
		For 3/8" Static Pressure, Add	*193.41*	
		For 1/2" Static Pressure, Add	*265.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,101.52	401.79
		For 1/4" Static Pressure, Add	*103.81*	
		For 3/8" Static Pressure, Add	*207.62*	
		For 1/2" Static Pressure, Add	*285.48*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,372.42	417.54
		For 1/4" Static Pressure, Add	*123.10*	
		For 3/8" Static Pressure, Add	*246.20*	
		For 1/2" Static Pressure, Add	*338.53*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,502.83	433.30
		For 1/4" Static Pressure, Add	*130.97*	
		For 3/8" Static Pressure, Add	*261.94*	
		For 1/2" Static Pressure, Add	*360.16*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,803.97	450.19
		For 1/4" Static Pressure, Add	*152.29*	
		For 3/8" Static Pressure, Add	*304.58*	
		For 1/2" Static Pressure, Add	*418.79*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,167.01	450.19
		For 1/4" Static Pressure, Add	*181.45*	
		For 3/8" Static Pressure, Add	*362.89*	
		For 1/2" Static Pressure, Add	*498.98*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,673.73	489.58
		For 1/4" Static Pressure, Add	*215.74*	
		For 3/8" Static Pressure, Add	*431.48*	
		For 1/2" Static Pressure, Add	*593.29*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,354.87	593.12
		For 1/4" Static Pressure, Add	*253.81*	
		For 3/8" Static Pressure, Add	*507.63*	
		For 1/2" Static Pressure, Add	*697.99*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	4,967.33	593.12
		For 1/4" Static Pressure, Add	*302.41*	
		For 3/8" Static Pressure, Add	*604.82*	
		For 1/2" Static Pressure, Add	*831.63*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,471.31	625.75
		For 1/4" Static Pressure, Add	*337.66*	
		For 3/8" Static Pressure, Add	*675.33*	
		For 1/2" Static Pressure, Add	*928.58*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	5,978.39	661.77
		For 1/4" Static Pressure, Add	*372.60*	
		For 3/8" Static Pressure, Add	*745.19*	
		For 1/2" Static Pressure, Add	*1,024.64*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,802.44	865.48
		For 1/4" Static Pressure, Add	*406.10*	
		For 3/8" Static Pressure, Add	*812.20*	
		For 1/2" Static Pressure, Add	*1,116.78*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	7,774.39	866.60
		For 1/4" Static Pressure, Add	*483.86*	
		For 3/8" Static Pressure, Add	*967.72*	
		For 1/2" Static Pressure, Add	*1,330.61*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	8,777.83	1,022.81
		For 1/4" Static Pressure, Add	*539.12*	
		For 3/8" Static Pressure, Add	*1,078.23*	
		For 1/2" Static Pressure, Add	*1,482.57*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,239.21	247.27
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,771.99	256.60
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,823.69	204.50
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,904.42	280.24
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,951.68	297.12
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,014.27	309.50
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,077.72	329.76

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,041.64	270.11
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,078.86	280.24
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,147.87	297.12
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,188.39	309.50
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,263.19	329.76
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,337.24	345.52

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,057.09	280.24
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,104.35	297.12
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,166.62	309.50
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,219.65	329.76
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,286.46	345.52
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,380.12	371.40
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,453.26	390.53
23 34 16 00-0027		16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,354.64	297.12
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,439.53	309.50
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,533.92	329.76
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,583.82	345.52
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,649.72	371.40
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,705.97	390.53
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,004.63	424.30
23 34 16 00-0035		18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,433.25	309.50
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,491.71	329.76
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,569.41	345.52
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,630.43	371.40
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,714.45	390.53
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,841.40	424.30
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,923.91	450.19
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,047.16	495.20
23 34 16 00-0044		20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,459.07	329.76
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,536.74	345.52
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,630.43	371.40
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,714.45	390.53
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,874.04	424.30
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,096.46	450.19
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,253.32	495.20
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,415.74	530.09
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,953.92	345.52
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,009.83	371.40
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,086.27	390.53
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,182.39	424.30
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,309.31	450.19
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,353.06	495.20
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,437.50	530.09
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,588.37	594.24
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,551.82	371.40
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,668.47	424.30
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,783.63	450.19
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,906.27	495.20
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,014.27	530.09
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,110.74	594.24
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,243.45	646.01
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,553.48	742.81
23 34 16 00-0071		27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,935.12	390.53
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,055.71	450.19
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,178.33	495.20
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,286.35	530.09
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,437.22	594.24
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,569.60	646.01
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,902.75	742.81
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,950.60	824.96
23 34 16 00-0080		Large Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,511.46	495.20
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,615.19	530.09
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,775.79	594.24
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,919.04	646.01
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,131.47	742.81
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,321.81	824.96
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,637.22	990.40
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,928.06	1,142.34
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,462.88	530.09
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,668.16	594.24
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,855.29	646.01
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,110.92	742.81
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,344.80	824.96
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,703.71	990.40
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,103.53	1,142.34
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,671.68	1,485.60
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,898.90	594.24
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,092.53	646.01
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,707.27	742.81
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,121.82	824.96
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,633.35	990.40
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,026.32	1,142.34
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,851.50	1,485.60
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,544.24	1,857.00
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)*		
		Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,373.47	146.30
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*61.24*	
		For Backdraft Damper, Add	*169.23*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,616.75	146.30
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*61.24*	
		For Backdraft Damper, Add	*169.23*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0113		**Belt Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)*		
		Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,385.22	146.30
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*61.24*	
		For Wall Mounted Fan, Add	*95.41*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*177.87*	
		For Backdraft Damper, Add	*169.23*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,490.80	146.30
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*61.24*	
		For Wall Mounted Fan, Add	*99.63*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*186.85*	
		For Backdraft Damper, Add	*169.23*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,128.28	168.82
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*85.13*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*152.20*	
		For Backdraft Damper, Add	*192.18*	
		For Damper Motor, Add	*277.68*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,280.31	168.82
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*91.21*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*165.13*	
		For Backdraft Damper, Add	*192.18*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,902.49	196.96
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*116.10*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*213.23*	
		For Backdraft Damper, Add	*192.18*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,065.08	196.96
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*122.60*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*227.05*	
		For Backdraft Damper, Add	*192.18*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,340.27	211.03
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*133.61*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*248.05*	
		For Backdraft Damper, Add	*241.14*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,593.66	211.03
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*143.75*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*269.59*	
		For Backdraft Damper, Add	*241.14*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,651.38	225.09
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*146.06*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*272.10*	
		For Backdraft Damper, Add	*241.14*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,008.24	225.09
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*160.33*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*302.43*	
		For Backdraft Damper, Add	*241.14*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,617.75	253.23
		For Bird Screen, Add	*137.25*	
		For Wall Mounted Fan, Add	*184.71*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*349.46*	
		For Backdraft Damper, Add	*261.21*	
		For Damper Motor, Add	*277.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,945.04	253.23
		For Bird Screen, Add	*137.25*	
		For Wall Mounted Fan, Add	*197.80*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*377.28*	
		For Backdraft Damper, Add	*261.21*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,864.96	281.36
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*234.60*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*450.69*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,972.65	281.36
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*238.91*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*459.84*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,519.55	281.36
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*260.78*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*506.33*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,783.50	281.36
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*271.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*528.77*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,469.35	309.50
		For Bird Screen, Add	*168.93*	
		For Wall Mounted Fan, Add	*298.77*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*582.28*	
		For Damper Motor, Add	*277.68*	
		For Backdraft Damper, Add	*342.18*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,772.89	309.50
		For Bird Screen, Add	*168.93*	
		For Wall Mounted Fan, Add	*310.92*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*608.08*	
		For Damper Motor, Add	*277.68*	
		For Backdraft Damper, Add	*342.18*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	7,837.68	337.64
		For Bird Screen, Add	*168.93*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*608.81*	
		For Damper Motor, Add	*277.68*	
		For Backdraft Damper, Add	*398.46*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	8,504.10	337.64
		For Bird Screen, Add	*168.93*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*665.45*	
		For Damper Motor, Add	*277.68*	
		For Backdraft Damper, Add	*398.46*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*
Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,598.04	146.30
		For Extended Weatherhood, Add	*268.94*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,680.69	146.30
		For Extended Weatherhood, Add	*281.34*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,782.11	146.30
		For Extended Weatherhood, Add	*296.55*	
23 34 16 00-0139		**Belt Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,821.45	146.30
		For Extended Weatherhood, Add	*302.45*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,035.42	196.96
		For Extended Weatherhood, Add	*344.70*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,456.21	225.09
		For Extended Weatherhood, Add	*413.45*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,843.26	281.36
		For Extended Weatherhood, Add	*482.76*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,441.42	337.64
		For Extended Weatherhood, Add	*583.74*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	851.48	377.58
23 34 16 00-0148	EA	Fan Belt, Replacement	141.00	51.21
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,309.39	203.08
		For Explosion Proof Motor, Add	*885.49*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,851.12	243.94
		For Explosion Proof Motor, Add	*954.49*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,123.07	304.92
		For Explosion Proof Motor, Add	*1,126.98*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,710.17	406.76
		For Explosion Proof Motor, Add	*1,184.48*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,959.56	609.84
		For Explosion Proof Motor, Add	*1,310.98*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	17,159.16	1,219.68
		For Explosion Proof Motor, Add	*2,207.97*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	25,030.05	1,743.53
		For Explosion Proof Motor, Add	*3,231.46*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,309.39	203.08
		For Explosion Proof Motor, Add	*885.49*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,467.79	243.94
		For Explosion Proof Motor, Add	*896.99*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,589.76	304.92
		For Explosion Proof Motor, Add	*896.99*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,793.53	406.76
		For Explosion Proof Motor, Add	*896.99*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,346.24	609.84
		For Explosion Proof Motor, Add	*1,218.98*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,651.17	762.30
		For Explosion Proof Motor, Add	*1,218.98*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,871.18	872.31
		For Explosion Proof Motor, Add	*1,218.98*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,109.42	914.76
		For Explosion Proof Motor, Add	*1,241.98*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,389.36	1,016.36
		For Explosion Proof Motor, Add	*1,253.48*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,649.81	146.30
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,114.38	157.57
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,319.36	168.82
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,424.91	168.82
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,786.43	196.96
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,138.70	196.96
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,438.19	196.96
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,341.86	225.09
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,849.05	225.09
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	4,899.07	281.36
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	5,179.06	281.36
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,376.43	281.36
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,215.44	337.64
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,451.01	337.64
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,740.50	337.64
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**Bathroom Exhaust Fan, Low Profile** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	35 To 89 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B70)	281.05	49.93
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0188	EA	46 To 94 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B80)	281.05	49.93
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0189	EA	50 To 133 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B110)	302.35	49.93
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0190		**Centrifugal Upblast Exhaust Fan** *(23 34 16 00-0001)*		
23 34 16 00-0191	EA	65 To 133 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-060-VG)	1,445.97	247.27
23 34 16 00-0192	EA	143 To 250 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-070-VG)	1,539.08	247.27
23 34 16 00-0193	EA	133 To 325 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-080-VG)	1,589.23	256.60
23 34 16 00-0194	EA	204 To 549 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-090-VG)	1,649.29	256.60
23 34 16 00-0195		**Centrifugal In-Line Fans** *(23 34 16 00-0001)*		
23 34 16 00-0196	EA	419 - 766 CFM, 115 V, Direct Drive In-Line Exhaust Fan (Greenheck CSP-A700-QD)	919.02	109.73
23 34 16 00-0197		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0198	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	515.22	98.47
23 34 16 00-0199	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	515.22	98.47
23 34 16 00-0200	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	586.57	104.10
23 34 16 00-0201	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	650.60	104.10
23 34 16 00-0202	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	825.49	104.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0203	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	679.18	104.10
23 34 16 00-0204	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	779.68	104.10
23 34 16 00-0205	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,489.07	104.10
23 34 16 00-0206	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	919.02	109.73
23 34 16 00-0207	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	934.79	109.73
23 34 16 00-0208	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,549.61	109.73
23 34 16 00-0209	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	934.79	109.73
23 34 16 00-0210	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,264.85	109.73
23 34 16 00-0211	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,264.85	109.73
23 34 16 00-0212	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,264.85	109.73
23 34 16 00-0213	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,375.21	109.73
23 34 16 00-0214		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0215		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0214)*		
		Note: Greenheck SE1.		
23 34 16 00-0216	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	723.28	120.42
		Note: Includes motor side guard.		
		For Backdraft Damper, Add	*198.41*	
		For Wall Mount Collar, Add	*285.76*	
23 34 16 00-0217	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	765.07	133.93
		Note: Includes motor side guard.		
		For Backdraft Damper, Add	*212.71*	
		For Wall Mount Collar, Add	*285.76*	
23 34 16 00-0218	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	847.12	148.56
		Note: Includes motor side guard.		
		For Backdraft Damper, Add	*232.78*	
		For Wall Mount Collar, Add	*293.21*	
23 34 16 00-0219	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,247.19	164.31
		For Backdraft Damper, Add	*278.84*	
		For Wall Mount Collar, Add	*298.56*	
		For Motor Side Guard, Add	*247.75*	
23 34 16 00-0220	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,041.26	182.32
		For Backdraft Damper, Add	*278.84*	
		For Wall Mount Collar, Add	*306.03*	
		For Motor Side Guard, Add	*263.66*	
23 34 16 00-0221	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,169.58	202.59
		For Backdraft Damper, Add	*339.35*	
		For Wall Mount Collar, Add	*313.48*	
		For Motor Side Guard, Add	*279.57*	
23 34 16 00-0222	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,332.68	225.09
		For Backdraft Damper, Add	*339.35*	
		For Wall Mount Collar, Add	*318.83*	
		For Motor Side Guard, Add	*301.81*	
23 34 16 00-0223		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0214)*		
		Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0224	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,486.85	321.88
23 34 16 00-0225	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	2,847.46	374.78
23 34 16 00-0226	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,227.45	450.19
23 34 16 00-0227	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,500.74	562.73
23 34 16 00-0228	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,360.72	750.68
23 34 16 00-0229	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,436.95	1,125.46
23 34 16 00-0230	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	8,916.56	1,442.83
23 34 16 00-0231		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0214)*		
23 34 16 00-0232	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	127.48	
23 34 16 00-0233	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	294.20	
23 34 16 00-0234		**Reversible Ceiling Fans** *(23 34 16 00-0214)*		
23 34 16 00-0235		**4 Blade Ceiling Fans** *(23 34 16 00-0234)*		
23 34 16 00-0236	EA	42" 4-Blade Ceiling Fan, Three Speed	587.04	61.79
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.03*	
23 34 16 00-0237		**5 Blade Ceiling Fans** *(23 34 16 00-0234)*		
23 34 16 00-0238	EA	42" 5-Blade Ceiling Fan, Three Speed	642.60	152.91
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.09*	
23 34 16 00-0239	EA	52" 5-Blade Ceiling Fan, Three Speed	733.86	152.91
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.22*	
23 34 16 00-0240		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0234)*		
23 34 16 00-0241	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	597.70	55.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0242		**Ceiling Fan Down Rod** *(23 34 16 00-0234)*		
23 34 16 00-0243	EA	1' Ceiling Fan Down Rod	23.49	
23 34 16 00-0244	EA	1-1/2' Ceiling Fan Down Rod	30.95	
23 34 16 00-0245	EA	2' Ceiling Fan Down Rod	34.68	
23 34 16 00-0246	EA	3' Ceiling Fan Down Rod	46.67	
23 34 16 00-0247	EA	4' Ceiling Fan Down Rod	54.57	
23 34 16 00-0248	EA	5' Ceiling Fan Down Rod	67.12	
23 34 16 00-0249	EA	6' Ceiling Fan Down Rod	84.03	
23 34 16 00-0250		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0251		**Exhaust Fans** *(23 34 16 00-0250)* Note: Excludes ducting.		
23 34 16 00-0252		**Light Duty Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0253		**Light Duty Exhaust Fans** *(23 34 16 00-0252)*		
23 34 16 00-0254	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	153.35	49.93
23 34 16 00-0255	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	162.28	49.93
23 34 16 00-0256	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	269.53	49.93
23 34 16 00-0257	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	341.24	49.93
23 34 16 00-0258	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	304.83	49.93
23 34 16 00-0259	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	406.67	49.93
23 34 16 00-0260		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0252)*		
23 34 16 00-0261	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	201.13	49.93
23 34 16 00-0262	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	223.51	49.93
23 34 16 00-0263	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	420.34	49.93
23 34 16 00-0264		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0252)*		
23 34 16 00-0265	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	205.98	49.93
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	328.70	49.93
23 34 16 00-0267		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0252)*		
23 34 16 00-0268	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	349.97	49.93
23 34 16 00-0269	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	532.64	49.93
23 34 16 00-0270		**Heavy Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0271		**Heavy Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0270)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0272	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	239.77	49.93
23 34 16 00-0273	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	265.42	49.93
23 34 16 00-0274	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	487.43	49.93
23 34 16 00-0275	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	499.32	49.93
23 34 16 00-0276	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	536.31	49.93
23 34 16 00-0277	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	559.96	49.93
23 34 16 00-0278	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	569.12	49.93
23 34 16 00-0279	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	651.70	49.93
23 34 16 00-0280	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	742.80	49.93
23 34 16 00-0281	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	794.68	49.93
23 34 16 00-0282	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	946.26	49.93
23 34 16 00-0283	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,216.27	49.93
23 34 16 00-0284		**Heavy Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0270)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0285	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	506.24	49.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0286	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	735.99	49.93
23 34 16 00-0287	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	778.53	49.93
23 34 16 00-0288		**Heavy Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0270)*		
23 34 16 00-0289	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	260.78	49.93
23 34 16 00-0290	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	284.87	49.93
23 34 16 00-0291		**Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0270)*		
23 34 16 00-0292	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	271.36	49.93
23 34 16 00-0293	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	287.30	49.93
23 34 16 00-0294	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	295.00	49.93
23 34 16 00-0295		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0296	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,305.90	49.93
23 34 16 00-0297	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,305.90	49.93
23 34 16 00-0298	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,305.90	49.93
23 34 16 00-0299	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,433.30	49.93
23 34 16 00-0300		**Room-To-Room Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0301	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	195.11	49.93
23 34 16 00-0302	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	325.36	49.93
23 34 16 00-0303	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	372.83	49.93
23 34 16 00-0304		**Through-Wall Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0305	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	348.01	49.93
23 34 16 00-0306	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	413.43	49.93
23 34 16 00-0307	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	303.03	49.93
23 34 16 00-0308	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	406.67	49.93
23 34 16 00-0309	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	713.47	49.93
23 34 16 00-0310		**Exhaust Fan Accessories** *(23 34 16 00-0251)*		
23 34 16 00-0311		**Exhaust Fan Controls** *(23 34 16 00-0310)*		
23 34 16 00-0312	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	191.00	31.21
23 34 16 00-0313	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	133.13	31.21
23 34 16 00-0314	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	134.51	31.21
23 34 16 00-0315		**Roof And Wall Caps For Exhaust Fans** *(23 34 16 00-0310)*		
23 34 16 00-0316		**Wall Caps For Exhaust Fans** *(23 34 16 00-0315)*		
23 34 16 00-0317	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	300.94	61.10
23 34 16 00-0318	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	305.49	61.10
23 34 16 00-0319		**Roof Caps For Exhaust Fans** *(23 34 16 00-0315)* Note: Includes flashing and built in bird screen.		
23 34 16 00-0320	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	253.92	61.10
23 34 16 00-0321	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	372.22	61.10
23 34 16 00-0322	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	162.99	61.10
23 34 16 00-0323	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	198.47	61.10
23 34 16 00-0324		**Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan** *(23 34 16 00-0251)* Note: Includes storage and cleaning.		
23 34 16 00-0325	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	84.40	

23 34 23 HVAC Power Ventilators *(23 34)*

23 34 23 00-0001 Power Roof Ventilators *(23 34 23)*

23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*
Note: Greenheck G.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	630.76	160.94
		For 12" Roof Curb, Add	*218.12*	
		For Backdraft Damper, Add	*157.82*	
		For Solid State Speed Control, Add	*114.70*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	690.24	182.32
		For 12" Roof Curb, Add	*218.12*	
		For Backdraft Damper, Add	*157.82*	
		For Solid State Speed Control, Add	*114.70*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	986.95	212.71
		For 12" Roof Curb, Add	*224.45*	
		For Backdraft Damper, Add	*169.23*	
		For Solid State Speed Control, Add	*114.70*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,017.02	239.72
		For 12" Roof Curb, Add	*224.45*	
		For Backdraft Damper, Add	*169.23*	
		For Solid State Speed Control, Add	*114.70*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,306.17	264.48
		For Solid State Speed Control, Add	*114.70*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,481.37	281.36
		For 12" Roof Curb, Add	*235.01*	
		For Backdraft Damper, Add	*192.18*	
		For Solid State Speed Control, Add	*180.16*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0009		**Belt Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)* Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,455.53	286.53
		For 12" Roof Curb, Add	*224.45*	
		For Backdraft Damper, Add	*169.23*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,587.71	304.17
		For 12" Roof Curb, Add	*235.01*	
		For Backdraft Damper, Add	*192.18*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,152.02	363.53
		For 12" Roof Curb, Add	*235.01*	
		For Backdraft Damper, Add	*192.18*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,745.57	450.19
		For 12" Roof Curb, Add	*285.69*	
		For Backdraft Damper, Add	*241.14*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,623.06	562.73
		For 12" Roof Curb, Add	*308.92*	
		For Backdraft Damper, Add	*261.21*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,885.52	703.41
		For 12" Roof Curb, Add	*344.82*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,936.20	703.41
		For 12" Roof Curb, Add	*344.82*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,483.11	703.41
		For 12" Roof Curb, Add	*344.82*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,234.97	703.41
		For 12" Roof Curb, Add	*344.82*	
		For Backdraft Damper, Add	*289.95*	
		For Damper Motor, Add	*277.68*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)* Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,473.87	865.48
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	13,947.02	1,125.12
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,326.12	449.40
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,504.52	562.62
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	147.71	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0027		Power Wall Ventilators *(23 34 23)*		
23 34 23 00-0028		Centrifugal Sidewall Exhausters *(23 34 23 00-0027)*		
23 34 23 00-0029		Direct Drive, Aluminum, Centrifugal Sidewall Exhauster *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	827.76	181.19
		For Solid State Speed Control, Add	*180.16*	
		For Backdraft Damper, Add	*221.68*	
		For Damper Motor, Add	*480.89*	
		For Interior Wall Grill, Add	*137.95*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	949.95	212.71
		For Solid State Speed Control, Add	*180.16*	
		For Backdraft Damper, Add	*244.63*	
		For Damper Motor, Add	*480.89*	
		For Interior Wall Grill, Add	*164.42*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,418.93	239.72
		For Solid State Speed Control, Add	*180.16*	
		For Backdraft Damper, Add	*276.26*	
		For Damper Motor, Add	*480.89*	
		For Interior Wall Grill, Add	*190.88*	
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,582.97	135.39
		For Solid State Speed Control, Add	*180.16*	
		For Backdraft Damper, Add	*254.69*	
		For Damper Motor, Add	*480.89*	
		For Interior Wall Grill, Add	*291.25*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,726.93	152.46
		For Solid State Speed Control, Add	*180.16*	
		For Backdraft Damper, Add	*254.69*	
		For Damper Motor, Add	*480.89*	
		For Interior Wall Grill, Add	*291.25*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,351.54	174.41
		For Solid State Speed Control, Add	*180.16*	
		For Backdraft Damper, Add	*320.22*	
		For Damper Motor, Add	*480.89*	
		For Interior Wall Grill, Add	*338.82*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		Unheated Air Curtains For Entrances *(23 34 33)*		
23 34 33 00-0002		Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	2,385.73	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	2,419.12	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	2,455.29	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	3,053.51	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	3,464.98	990.40
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	3,673.66	990.40
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,071.48	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	4,904.81	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,010.54	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	5,291.56	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*549.94*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*408.52*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*628.50*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	2,939.43	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	2,982.55	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,000.64	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,035.42	824.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	4,733.76	990.40
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	4,948.00	990.40
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	5,266.52	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,008.03	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,085.94	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	6,389.22	1,142.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*324.29*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	

23 34 33 00-0024 Service Window Unheated Air Curtains *(23 34 33 00-0001)*
Note: Normal window sizes.

23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,176.70	650.52
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	

23 34 33 00-0026 Heated Air Curtains For Entrances *(23 34 33)*
Note: Includes housing, mounting brackets and manual controls.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,137.80	726.48
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,495.73	726.48
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	4,964.63	871.67
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,394.15	871.67
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	6,618.55	1,162.03
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,191.24	1,162.03
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,065.34	1,415.82
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	8,763.31	1,415.82
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	10,134.01	1,778.78
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	11,869.97	1,778.78
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	11,582.47	2,033.14
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	13,566.00	2,033.14
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	13,233.27	2,323.50
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	15,500.16	2,323.50
		For Door Limit Switch, Combination Roller And Plunger, Add	*202.02*	
		For Flat Side Extension Plates, Add	*162.14*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*324.29*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*389.15*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*410.77*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 13 Sawdust Collection Systems *(23 35 13)*

23 35 13 13-0001 Dust Collector System *(23 35 13 13)*

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,510.53	975.75
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,053.23	1,158.70
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,074.03	1,341.65
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,925.02	1,585.59
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	14,665.12	1,800.73
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	17,796.59	2,100.84
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	20,386.64	2,400.96
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	22,919.43	2,761.11
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	25,572.75	3,121.25

23 35 13 13-0011 Vacuum Tubing And Accessories *(23 35 13 13)*

23 35 13 13-0012 Vacuum Tubing *(23 35 13 13-0011)*

23 35 13 13-0013 Flexible Hose *(23 35 13 13-0012)*

23 35 13 13-0014	LF	2" Flexible Hose	12.79	2.02
23 35 13 13-0015	LF	3" Flexible Hose	15.33	2.25
23 35 13 13-0016	LF	4" Flexible Hose	16.63	2.48

23 35 13 13-0017 Galvanized Vacuum Tubing *(23 35 13 13-0012)*

23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	10.55	2.02
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	11.81	2.14
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	14.05	2.25
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	18.27	2.37
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	18.79	2.48
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	31.04	2.81
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	34.99	3.26
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	47.34	4.50
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	55.47	5.63
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	137.95	7.43

23 35 13 13-0028 Vacuum Fittings, Galvanized *(23 35 13 13-0011)*

23 35 13 13-0029 90 Degree Elbow *(23 35 13 13-0028)*

23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	53.14	12.94
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	65.62	13.84
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	81.67	15.08
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	96.28	16.32
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	114.62	18.01
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	188.88	20.03
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	250.46	22.51
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	448.88	30.05

23 35 13 13-0038 45 Degree Elbow *(23 35 13 13-0028)*

23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	49.83	12.94
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	62.90	13.84
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	72.52	15.08
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	85.95	16.32
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	105.07	18.01
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	155.75	20.03
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	201.74	22.51
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	367.04	30.05

23 35 13 13-0047 Wye *(23 35 13 13-0028)*

23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	96.27	21.38
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	115.42	23.07
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	140.56	24.76
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	170.54	27.58
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	226.72	29.82
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	381.65	33.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	505.14	37.70
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	995.30	41.08
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,377.42	45.02
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,739.59	50.42
23 35 13 13-0058		Reducer *(23 35 13 13-0028)*		
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	54.97	15.08
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	61.10	16.32
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	76.98	18.01
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	83.09	20.03
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	97.15	22.51
23 35 13 13-0064		Air Gate Valve, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	374.98	30.05
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	392.85	32.08
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	451.17	34.55
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	513.80	36.91
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	579.07	39.17
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	683.69	44.68
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	787.32	50.09
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Overhead Tailpipe Exhaust System *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,733.84	239.72
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,291.93	489.58
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	5,985.85	593.12
23 35 16 16-0007		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,171.09	489.58
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,433.57	593.12
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,275.41	938.63
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,447.48	1,210.99
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,160.06	1,442.83
23 35 16 16-0013		Spiral Exhaust Duct Accessories *(23 35 16 16-0001)*		
23 35 16 16-0014		Flex Hose x Length *(23 35 16 16-0013)* Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	179.38	59.65
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	151.57	59.65
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	274.54	94.54
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	228.07	94.54
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	386.20	149.69
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	369.56	149.69
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	588.36	237.48
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	553.38	237.48
23 35 16 16-0023		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0013)*		
23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	201.56	59.65
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	290.74	94.54
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	169.52	59.65
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	243.21	94.54
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,664.00	80.35
23 35 16 16-0029	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,439.43	147.43
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,590.05	147.43
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	75.94	11.48
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	85.19	11.48
23 35 16 16-0033		Flexible Hose *(23 35 16 16-0013)*		
23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing	42.63	2.81
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing	54.34	3.15
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing	64.66	3.26
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing	76.40	3.48
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing	25.60	2.81
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing	30.12	3.15
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing	34.63	3.26
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing	38.70	3.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0042		Accessories *(23 35 16 16-0001)*		
23 35 16 16-0043	EA	3" Tail Pipe Adapter	62.85	8.44
23 35 16 16-0044	EA	4" Tail Pipe Adapter	64.69	8.44
23 35 16 16-0045	EA	5" Tail Pipe Adapter	68.79	9.57
23 35 16 16-0046	EA	3" Bullnose (Guide)	34.75	5.63
23 35 16 16-0047	EA	4" Bullnose (Guide)	36.90	6.19
23 35 16 16-0048	EA	5" Bullnose (Guide)	39.36	6.75
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware	251.37	63.82
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.15	
23 35 19		**Fume Exhaust Systems** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,596.90	449.84
23 35 19 00-0002	EA	Hose Extension Kit 5'	415.79	99.94
23 36		**Air Terminal Units** *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,768.06	149.32
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,130.19	160.81
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,273.49	166.56
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,428.28	178.04
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,742.13	183.78
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,496.86	149.32
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,791.03	160.81
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,140.93	169.43
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,420.22	46.34
		For Boxes With Motor, Add	*247.45*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,572.08	50.01
		For Boxes With Motor, Add	*274.50*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,632.59	54.88
		For Boxes With Motor, Add	*282.61*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,662.03	57.33
		For Boxes With Motor, Add	*286.67*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,685.68	63.42
		For Boxes With Motor, Add	*286.67*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,928.05	70.74
		For Boxes With Motor, Add	*328.59*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,021.96	79.28
		For Boxes With Motor, Add	*340.76*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,143.74	95.14
		For Boxes With Motor, Add	*353.04*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,264.56	109.78
		For Boxes With Motor, Add	*365.10*	
23 36 13 00-0022		Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,002.27	46.34
		For Boxes With Motor, Add	*363.86*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,141.73	50.01
		For Boxes With Motor, Add	*388.43*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,234.61	54.88
		For Boxes With Motor, Add	*403.01*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,328.20	57.33
		For Boxes With Motor, Add	*419.90*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,351.85	63.42
		For Boxes With Motor, Add	*419.90*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,703.21	71.96
		For Boxes With Motor, Add	*483.62*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	2,954.86	79.28
		For Boxes With Motor, Add	*527.37*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,180.43	95.14
		For Boxes With Motor, Add	*560.38*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,317.75	109.78
		For Boxes With Motor, Add	*575.73*	
23 36 16		**Variable-Air-Volume Units** *(23 36)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0001		**Variable Volume Terminal Unit** *(23 36 16)* Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	609.57	56.10
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	681.85	63.42
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	758.79	70.74
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	808.99	79.28
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,116.96	170.63
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,341.43	202.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,289.60	56.10
		For Fan Powered Variable Air Volume Box, Add	*1,374.03*	
		For Hot Water Coils, Add	*433.04*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,393.80	63.42
		For Fan Powered Variable Air Volume Box, Add	*1,471.48*	
		For Hot Water Coils, Add	*462.91*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,458.47	70.74
		For Fan Powered Variable Air Volume Box, Add	*1,517.16*	
		For Hot Water Coils, Add	*475.85*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,520.94	79.28
		For Fan Powered Variable Air Volume Box, Add	*1,559.81*	
		For Hot Water Coils, Add	*487.80*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,762.63	170.63
		For Fan Powered Variable Air Volume Box, Add	*1,750.06*	
		For Hot Water Coils, Add	*543.54*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,041.10	202.47
		For Fan Powered Variable Air Volume Box, Add	*1,896.71*	
		For Hot Water Coils, Add	*580.38*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,136.58	56.10
		For Hot Water Coils, Add	*776.49*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,221.14	63.42
		For Hot Water Coils, Add	*798.39*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,298.08	70.74
		For Hot Water Coils, Add	*816.31*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,407.19	79.28
		For Hot Water Coils, Add	*847.17*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,651.34	170.63
		For Hot Water Coils, Add	*903.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,700.44	170.63
		For Hot Water Coils, Add	*923.83*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,461.57	110.87
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,597.75	126.24
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,709.67	142.58
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,874.63	159.05
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,107.03	182.95
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,312.10	219.54
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	611.02	76.23
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	662.93	83.85
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	716.36	91.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	771.37	99.10
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	828.13	106.72
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	886.69	114.35
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	952.29	121.97
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,015.29	129.59
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,080.58	137.21
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,148.28	144.83
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,218.61	152.46
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,291.70	160.09
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,367.80	167.71
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,440.16	175.33
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,522.38	182.95
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	127.20	15.86
		For Steel Construction, Deduct	*-9.67*	
		For Surface Mount, Deduct	*-7.74*	
		For Diffuser Without Damper, Deduct	*-12.89*	
		For Stainless Steel, Add	*161.18*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	141.53	15.86
		For Steel Construction, Deduct	*-11.82*	
		For Surface Mount, Deduct	*-9.46*	
		For Diffuser Without Damper, Deduct	*-15.76*	
		For Stainless Steel, Add	*197.00*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	141.53	15.86
		For Steel Construction, Deduct	*-11.82*	
		For Surface Mount, Deduct	*-9.46*	
		For Diffuser Without Damper, Deduct	*-15.76*	
		For Stainless Steel, Add	*197.00*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	170.02	19.51
		For Steel Construction, Deduct	*-14.15*	
		For Surface Mount, Deduct	*-11.32*	
		For Diffuser Without Damper, Deduct	*-18.86*	
		For Stainless Steel, Add	*235.80*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	170.02	18.29
		For Steel Construction, Deduct	*-14.15*	
		For Surface Mount, Deduct	*-11.32*	
		For Diffuser Without Damper, Deduct	*-18.86*	
		For Stainless Steel, Add	*235.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	196.29	18.29
		For Steel Construction, Deduct	*-18.09*	
		For Surface Mount, Deduct	*-14.47*	
		For Diffuser Without Damper, Deduct	*-24.12*	
		For Stainless Steel, Add	*301.48*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	224.70	24.40
		For Steel Construction, Deduct	*-19.45*	
		For Surface Mount, Deduct	*-15.56*	
		For Diffuser Without Damper, Deduct	*-25.93*	
		For Stainless Steel, Add	*324.15*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	261.69	25.61
		For Steel Construction, Deduct	*-24.29*	
		For Surface Mount, Deduct	*-19.43*	
		For Diffuser Without Damper, Deduct	*-32.38*	
		For Stainless Steel, Add	*404.75*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	296.21	29.27
		For Steel Construction, Deduct	*-27.01*	
		For Surface Mount, Deduct	*-21.61*	
		For Lay-In Mount, Deduct	*-21.61*	
		For Diffuser Without Damper, Deduct	*-36.01*	
		For Stainless Steel, Add	*450.13*	
23 37 13 13-0012		**Ceiling Diffusers With Louver Face** *(23 37 13 13-0001)*		
		Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	131.98	15.86
		For Steel Construction, Deduct	*-10.39*	
		For Flush Mount, Add	*10.39*	
		For Stainless Steel, Add	*173.13*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	150.60	15.86
		For Steel Construction, Deduct	*-13.18*	
		For Flush Mount, Add	*13.18*	
		For Stainless Steel, Add	*219.68*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	150.60	15.86
		For Steel Construction, Deduct	*-13.18*	
		For Flush Mount, Add	*13.18*	
		For Stainless Steel, Add	*219.68*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	180.77	18.29
		For Steel Construction, Deduct	*-15.76*	
		For Flush Mount, Add	*15.76*	
		For Stainless Steel, Add	*262.68*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	180.77	19.51
		For Steel Construction, Deduct	*-15.76*	
		For Flush Mount, Add	*15.76*	
		For Stainless Steel, Add	*262.68*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	232.99	24.40
		For Steel Construction, Deduct	*-20.63*	
		For Flush Mount, Add	*20.63*	
		For Stainless Steel, Add	*343.85*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	207.68	24.40
		For Steel Construction, Deduct	*-16.83*	
		For Flush Mount, Add	*16.83*	
		For Stainless Steel, Add	*280.58*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	259.53	29.27
		For Steel Construction, Deduct	*-21.60*	
		For Flush Mount, Add	*21.60*	
		For Stainless Steel, Add	*359.98*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	300.93	32.93
		For Steel Construction, Deduct	*-26.86*	
		For Flush Mount, Add	*26.86*	
		For Stainless Steel, Add	*447.73*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	329.02	64.52
		For Steel Construction, Deduct	*-29.98*	
		For Flush Mount, Add	*29.98*	
		For Lay-In Mount, Add	*39.97*	
		For Stainless Steel, Add	*499.68*	
23 37 13 13-0023		**Round Ceiling Diffusers With Fixed Pattern** *(23 37 13 13-0001)*		
		Note: Aluminum construction.		
23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	217.73	15.86
		For Steel Construction, Deduct	*-46.50*	
		For Stainless Steel, Add	*387.50*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	225.68	15.86
		For Steel Construction, Deduct	*-48.89*	
		For Stainless Steel, Add	*407.38*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	254.54	19.51
		For Steel Construction, Deduct	*-53.65*	
		For Stainless Steel, Add	*447.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	274.42	18.29
		For Steel Construction, Deduct	*-59.62*	
		For Stainless Steel, Add	*496.80*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	393.84	21.96
		For Steel Construction, Deduct	*-91.81*	
		For Stainless Steel, Add	*765.05*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	415.38	23.18
		For Steel Construction, Deduct	*-97.17*	
		For Stainless Steel, Add	*809.78*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	437.24	24.40
		For Steel Construction, Deduct	*-102.54*	
		For Stainless Steel, Add	*854.48*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	506.05	24.40
		For Steel Construction, Deduct	*-121.88*	
		For Stainless Steel, Add	*1,015.65*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	604.36	28.05
		For Steel Construction, Deduct	*-148.37*	
		For Stainless Steel, Add	*1,236.45*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	680.78	29.27
		For Steel Construction, Deduct	*-169.57*	
		For Stainless Steel, Add	*1,413.10*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	813.62	32.93
		For Steel Construction, Deduct	*-205.34*	
		For Stainless Steel, Add	*1,711.18*	

23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	229.65	15.86
		For Steel Construction, Deduct	*-16.69*	
		For Flush Mount, Deduct	*-8.35*	
		For Stainless Steel, Add	*417.30*	
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	250.19	15.86
		For Steel Construction, Deduct	*-18.75*	
		For Flush Mount, Deduct	*-9.37*	
		For Stainless Steel, Add	*468.65*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	283.25	19.51
		For Steel Construction, Deduct	*-20.76*	
		For Flush Mount, Deduct	*-10.38*	
		For Stainless Steel, Add	*518.88*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	306.21	19.51
		For Steel Construction, Deduct	*-23.05*	
		For Flush Mount, Deduct	*-11.53*	
		For Stainless Steel, Add	*576.28*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	445.51	21.96
		For Steel Construction, Deduct	*-35.77*	
		For Flush Mount, Deduct	*-17.88*	
		For Stainless Steel, Add	*894.23*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	391.35	23.18
		For Steel Construction, Deduct	*-38.22*	
		For Flush Mount, Deduct	*-19.11*	
		For Stainless Steel, Add	*955.50*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	502.16	24.40
		For Steel Construction, Deduct	*-40.67*	
		For Flush Mount, Deduct	*-20.34*	
		For Stainless Steel, Add	*1,016.78*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	583.33	25.61
		For Steel Construction, Deduct	*-48.35*	
		For Flush Mount, Deduct	*-24.18*	
		For Stainless Steel, Add	*1,208.85*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	659.12	28.05
		For Steel Construction, Deduct	*-54.93*	
		For Flush Mount, Deduct	*-27.47*	
		For Stainless Steel, Add	*1,373.35*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	800.01	29.27
		For Steel Construction, Deduct	*-68.45*	
		For Flush Mount, Deduct	*-34.22*	
		For Stainless Steel, Add	*1,711.18*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	964.20	32.93
		For Steel Construction, Deduct	*-83.51*	
		For Flush Mount, Deduct	*-41.75*	
		For Stainless Steel, Add	*2,087.63*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,068.54	68.67
		For Stainless Steel, Add	*2,328.33*	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	173.48	18.29
		For Stainless Steel, Add	*250.75*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	187.11	18.29
		For Stainless Steel, Add	*284.83*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	203.89	18.29
		For Stainless Steel, Add	*326.78*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	220.23	18.29
		For Stainless Steel, Add	*367.63*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0053		Wall And Floor Diffusers *(23 37 13 13)*			
23 37 13 13-0054		Slot Type Linear Diffusers *(23 37 13 13-0053)*			
		Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.			
23 37 13 13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling		58.73	6.10
		For 3/4" Border, Add		*8.28*	
		For Floor Mounted Diffusers, Add		*9.94*	
		For Stainless Steel, Add		*43.06*	
23 37 13 13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling		72.20	7.32
		For 3/4" Border, Add		*11.04*	
		For Floor Mounted Diffusers, Add		*13.25*	
		For Stainless Steel, Add		*57.41*	
23 37 13 13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling		101.28	8.54
		For 3/4" Border, Add		*17.39*	
		For Floor Mounted Diffusers, Add		*20.87*	
		For Stainless Steel, Add		*90.42*	
23 37 13 13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling		134.71	8.54
		For 3/4" Border, Add		*24.84*	
		For Floor Mounted Diffusers, Add		*29.81*	
		For Stainless Steel, Add		*129.17*	
23 37 13 13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling		169.45	9.76
		For 3/4" Border, Add		*32.29*	
		For Floor Mounted Diffusers, Add		*38.75*	
		For Stainless Steel, Add		*167.92*	
23 37 13 13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling		198.66	12.19
		For 3/4" Border, Add		*38.09*	
		For Floor Mounted Diffusers, Add		*45.71*	
		For Stainless Steel, Add		*198.06*	
23 37 13 13-0061		Linear Bar Grilles And Registers *(23 37 13 13-0053)*			
		Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.			
23 37 13 13-0062	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling		188.12	7.32
		For Floor Mount, Add		*16.01*	
		For Opposed Blade Damper, Add		*32.02*	
		For Stainless Steel, Add		*208.10*	
23 37 13 13-0063	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling		224.93	8.54
		For Floor Mount, Add		*19.32*	
		For Opposed Blade Damper, Add		*38.64*	
		For Stainless Steel, Add		*251.16*	
23 37 13 13-0064	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling		245.11	8.54
		For Floor Mount, Add		*20.98*	
		For Opposed Blade Damper, Add		*41.95*	
		For Stainless Steel, Add		*272.69*	
23 37 13 13-0065	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling		300.23	12.19
		For Floor Mount, Add		*25.39*	
		For Opposed Blade Damper, Add		*50.78*	
		For Stainless Steel, Add		*330.10*	
23 37 13 13-0066	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling		415.46	15.86
		For Floor Mount, Add		*35.33*	
		For Opposed Blade Damper, Add		*70.65*	
		For Stainless Steel, Add		*459.25*	
23 37 13 13-0067	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling		478.65	18.29
		For Floor Mount, Add		*40.30*	
		For Opposed Blade Damper, Add		*80.59*	
		For Stainless Steel, Add		*523.84*	
23 37 13 13-0068		Return/Exhaust Registers And Grilles *(23 37 13 13)*			
23 37 13 13-0069		Return/Exhaust Registers With Frame *(23 37 13 13-0068)*			
		Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.			
23 37 13 13-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling		126.73	9.76
		For Steel Construction, Deduct		*-17.77*	
		For Grilles (No Damper), Deduct		*-35.55*	
		For Removable Core, Add		*35.00*	
		For Cube Core With Frame, Add		*8.89*	
		For Cube Core Lay In, Add		*17.77*	
		For Stainless Steel, Add		*222.18*	
23 37 13 13-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling		146.05	9.76
		For Steel Construction, Deduct		*-21.64*	
		For Grilles (No Damper), Deduct		*-43.28*	
		For Removable Core, Add		*35.00*	
		For Cube Core With Frame, Add		*10.82*	
		For Cube Core Lay In, Add		*21.64*	
		For Stainless Steel, Add		*270.48*	
23 37 13 13-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling		163.69	10.97
		For Steel Construction, Deduct		*-23.96*	
		For Grilles (No Damper), Deduct		*-47.91*	
		For Removable Core, Add		*35.00*	
		For Cube Core With Frame, Add		*11.98*	
		For Cube Core Lay In, Add		*23.96*	
		For Stainless Steel, Add		*299.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	170.84	12.19
		For Steel Construction, Deduct	*-23.96*	
		For Grilles (No Damper), Deduct	*-47.91*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.98*	
		For Cube Core Lay In, Add	*23.96*	
		For Stainless Steel, Add	*299.45*	
23 37 13 13-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	163.11	12.19
		For Steel Construction, Deduct	*-22.41*	
		For Grilles (No Damper), Deduct	*-44.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.21*	
		For Cube Core Lay In, Add	*22.41*	
		For Stainless Steel, Add	*280.13*	
23 37 13 13-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	209.56	15.86
		For Steel Construction, Deduct	*-29.37*	
		For Grilles (No Damper), Deduct	*-58.73*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*14.68*	
		For Cube Core Lay In, Add	*29.37*	
		For Stainless Steel, Add	*367.08*	
23 37 13 13-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	251.01	18.29
		For Steel Construction, Deduct	*-35.06*	
		For Grilles (No Damper), Deduct	*-70.12*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*17.53*	
		For Cube Core Lay In, Add	*35.06*	
		For Stainless Steel, Add	*438.28*	
23 37 13 13-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	308.05	21.96
		For Steel Construction, Deduct	*-44.05*	
		For Grilles (No Damper), Deduct	*-88.09*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*22.02*	
		For Cube Core Lay In, Add	*44.05*	
		For Stainless Steel, Add	*550.58*	
23 37 13 13-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	362.16	24.40
		For Steel Construction, Deduct	*-53.34*	
		For Grilles (No Damper), Deduct	*-106.68*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*26.67*	
		For Cube Core Lay In, Add	*53.34*	
		For Stainless Steel, Add	*666.78*	
23 37 13 13-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	322.87	24.40
		For Steel Construction, Deduct	*-44.62*	
		For Grilles (No Damper), Deduct	*-89.23*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*22.31*	
		For Cube Core Lay In, Add	*44.62*	
		For Stainless Steel, Add	*557.70*	
23 37 13 13-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	370.26	24.40
		For Steel Construction, Deduct	*-54.09*	
		For Grilles (No Damper), Deduct	*-108.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.05*	
		For Cube Core Lay In, Add	*54.09*	
		For Stainless Steel, Add	*676.18*	
23 37 13 13-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	390.11	28.05
		For Steel Construction, Deduct	*-56.07*	
		For Grilles (No Damper), Deduct	*-112.13*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.03*	
		For Cube Core Lay In, Add	*56.07*	
		For Stainless Steel, Add	*700.83*	
23 37 13 13-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	413.46	29.27
		For Steel Construction, Deduct	*-59.58*	
		For Grilles (No Damper), Deduct	*-119.17*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.79*	
		For Cube Core Lay In, Add	*59.58*	
		For Stainless Steel, Add	*744.80*	
23 37 13 13-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	476.89	32.93
		For Steel Construction, Deduct	*-69.55*	
		For Grilles (No Damper), Deduct	*-139.10*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*34.77*	
		For Cube Core Lay In, Add	*69.55*	
		For Stainless Steel, Add	*869.35*	
23 37 13 13-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	533.14	39.03
		For Steel Construction, Deduct	*-75.26*	
		For Grilles (No Damper), Deduct	*-150.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*37.63*	
		For Cube Core Lay In, Add	*75.26*	
		For Stainless Steel, Add	*940.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0085	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	696.75	39.03
		For Steel Construction, Deduct	*-107.99*	
		For Grilles (No Damper), Deduct	*-215.97*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*53.99*	
		For Cube Core Lay In, Add	*107.99*	
		For Stainless Steel, Add	*1,349.83*	
23 37 13 13-0086	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	575.42	42.69
		For Steel Construction, Deduct	*-81.31*	
		For Grilles (No Damper), Deduct	*-162.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.65*	
		For Cube Core Lay In, Add	*81.31*	
		For Stainless Steel, Add	*1,016.35*	
23 37 13 13-0087	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	559.87	41.47
		For Steel Construction, Deduct	*-78.20*	
		For Grilles (No Damper), Deduct	*-156.40*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.10*	
		For Cube Core Lay In, Add	*78.20*	
		For Stainless Steel, Add	*977.48*	
23 37 13 13-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	638.30	46.34
		For Steel Construction, Deduct	*-91.07*	
		For Grilles (No Damper), Deduct	*-182.14*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*45.54*	
		For Cube Core Lay In, Add	*91.07*	
		For Stainless Steel, Add	*1,138.38*	
23 37 13 13-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	869.74	50.01
		For Steel Construction, Deduct	*-134.03*	
		For Grilles (No Damper), Deduct	*-268.06*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*67.02*	
		For Cube Core Lay In, Add	*134.03*	
		For Stainless Steel, Add	*1,675.38*	
23 37 13 13-0090	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	383.70	28.17
		For Steel Construction, Deduct	*-54.23*	
		For Grilles (No Damper), Deduct	*-108.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.11*	
		For Cube Core Lay In, Add	*54.23*	
		For Stainless Steel, Add	*677.85*	
23 37 13 13-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	664.18	42.22
		For Steel Construction, Deduct	*-99.06*	
		For Grilles (No Damper), Deduct	*-198.12*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*49.53*	
		For Cube Core Lay In, Add	*99.06*	
		For Stainless Steel, Add	*1,238.25*	
23 37 13 13-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	768.66	50.01
		For Steel Construction, Deduct	*-113.67*	
		For Grilles (No Damper), Deduct	*-227.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.84*	
		For Cube Core Lay In, Add	*113.67*	
		For Stainless Steel, Add	*1,420.88*	

23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0068)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	116.68	9.76
		For Steel Construction, Deduct	*-7.88*	
		For Flat Frame, Deduct	*-0.79*	
		For Grilles (No Damper), Deduct	*-15.76*	
		For Stainless Steel, Add	*197.05*	
23 37 13 13-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	116.68	9.76
		For Steel Construction, Deduct	*-7.88*	
		For Flat Frame, Deduct	*-0.79*	
		For Grilles (No Damper), Deduct	*-15.76*	
		For Stainless Steel, Add	*197.05*	
23 37 13 13-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	143.60	10.97
		For Steel Construction, Deduct	*-9.97*	
		For Flat Frame, Deduct	*-1.00*	
		For Grilles (No Damper), Deduct	*-19.94*	
		For Stainless Steel, Add	*249.23*	
23 37 13 13-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	164.66	13.42
		For Steel Construction, Deduct	*-11.36*	
		For Flat Frame, Deduct	*-1.14*	
		For Grilles (No Damper), Deduct	*-22.72*	
		For Stainless Steel, Add	*284.00*	
23 37 13 13-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	162.34	12.19
		For Steel Construction, Deduct	*-11.13*	
		For Flat Frame, Deduct	*-1.11*	
		For Grilles (No Damper), Deduct	*-22.26*	
		For Stainless Steel, Add	*278.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	211.10	15.86
		For Steel Construction, Deduct	*-14.84*	
		For Flat Frame, Deduct	*-1.48*	
		For Grilles (No Damper), Deduct	*-29.67*	
		For Stainless Steel, Add	*370.93*	
23 37 13 13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	343.86	19.51
		For Steel Construction, Deduct	*-26.82*	
		For Flat Frame, Deduct	*-2.68*	
		For Grilles (No Damper), Deduct	*-53.63*	
		For Stainless Steel, Add	*670.40*	
23 37 13 13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	414.71	21.96
		For Steel Construction, Deduct	*-32.69*	
		For Flat Frame, Deduct	*-3.27*	
		For Grilles (No Damper), Deduct	*-65.38*	
		For Stainless Steel, Add	*817.23*	
23 37 13 13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	468.71	24.40
		For Steel Construction, Deduct	*-37.33*	
		For Flat Frame, Deduct	*-3.73*	
		For Grilles (No Damper), Deduct	*-74.65*	
		For Stainless Steel, Add	*933.15*	
23 37 13 13-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	387.27	24.40
		For Steel Construction, Deduct	*-28.75*	
		For Flat Frame, Deduct	*-2.87*	
		For Grilles (No Damper), Deduct	*-57.50*	
		For Stainless Steel, Add	*718.70*	
23 37 13 13-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	526.37	25.61
		For Steel Construction, Deduct	*-42.66*	
		For Flat Frame, Deduct	*-4.27*	
		For Grilles (No Damper), Deduct	*-85.32*	
		For Stainless Steel, Add	*1,066.45*	
23 37 13 13-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	615.18	28.05
		For Steel Construction, Deduct	*-50.54*	
		For Flat Frame, Deduct	*-5.05*	
		For Grilles (No Damper), Deduct	*-101.08*	
		For Stainless Steel, Add	*1,263.50*	
23 37 13 13-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	467.93	29.27
		For Steel Construction, Deduct	*-35.24*	
		For Flat Frame, Deduct	*-3.52*	
		For Grilles (No Damper), Deduct	*-70.48*	
		For Stainless Steel, Add	*880.98*	
23 37 13 13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	648.46	32.93
		For Steel Construction, Deduct	*-51.93*	
		For Flat Frame, Deduct	*-5.19*	
		For Grilles (No Damper), Deduct	*-103.86*	
		For Stainless Steel, Add	*1,298.28*	
23 37 13 13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	780.46	39.03
		For Steel Construction, Deduct	*-62.36*	
		For Flat Frame, Deduct	*-6.24*	
		For Grilles (No Damper), Deduct	*-124.73*	
		For Stainless Steel, Add	*1,559.10*	
23 37 13 13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	897.53	39.03
		For Steel Construction, Deduct	*-74.07*	
		For Flat Frame, Deduct	*-7.41*	
		For Grilles (No Damper), Deduct	*-148.14*	
		For Stainless Steel, Add	*1,851.78*	
23 37 13 13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	602.41	41.47
		For Steel Construction, Deduct	*-43.35*	
		For Flat Frame, Deduct	*-4.34*	
		For Grilles (No Damper), Deduct	*-86.71*	
		For Stainless Steel, Add	*1,083.83*	
23 37 13 13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	824.97	41.47
		For Steel Construction, Deduct	*-65.61*	
		For Flat Frame, Deduct	*-6.56*	
		For Grilles (No Damper), Deduct	*-131.22*	
		For Stainless Steel, Add	*1,640.23*	
23 37 13 13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	957.28	46.34
		For Steel Construction, Deduct	*-77.43*	
		For Flat Frame, Deduct	*-7.74*	
		For Grilles (No Damper), Deduct	*-154.87*	
		For Stainless Steel, Add	*1,935.83*	
23 37 13 13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,121.14	50.01
		For Steel Construction, Deduct	*-92.16*	
		For Flat Frame, Deduct	*-9.22*	
		For Grilles (No Damper), Deduct	*-184.31*	
		For Stainless Steel, Add	*2,303.88*	
23 37 13 13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,186.05	50.01
		For Steel Construction, Deduct	*-98.65*	
		For Flat Frame, Deduct	*-9.86*	
		For Grilles (No Damper), Deduct	*-197.29*	
		For Stainless Steel, Add	*2,466.15*	

23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0068)*

23 37 13 13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	59.24	11.93
23 37 13 13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	59.24	11.93
23 37 13 13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.52	11.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.63	11.93
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.52	11.93
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.63	11.93
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	79.99	15.64
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	82.10	15.64
23 37 13 13-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	77.88	15.64
23 37 13 13-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	82.10	15.64
23 37 13 13-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	84.21	15.64
23 37 13 13-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.32	15.64
23 37 13 13-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	83.16	15.64
23 37 13 13-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.38	15.64
23 37 13 13-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.49	15.64
23 37 13 13-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.99	15.64
23 37 13 13-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.38	15.64
23 37 13 13-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.77	15.64
23 37 13 13-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.99	15.64
23 37 13 13-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	126.78	23.07
23 37 13 13-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	128.89	23.07
23 37 13 13-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	124.67	23.07
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	152.80	26.78
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	122.56	23.07
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	163.36	26.78
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.27	15.64
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	124.67	23.07
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	183.06	30.50
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	122.56	23.07
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	126.78	23.07
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	146.47	26.78
		For Lay-In Installation, Deduct	*-56.59*	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	152.80	26.78
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	170.40	30.50
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	176.73	30.50
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	184.12	30.50
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	197.84	30.50
		For Lay-In Installation, Deduct	*-64.79*	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	149.64	26.78
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	243.78	33.43
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	419.34	40.85
		For Lay-In Installation, Deduct	*-93.23*	

23 37 13 13-0155 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0156 Adjustable Curved Blade Register *(23 37 13 13-0155)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	105.35	9.76
		For Steel Construction, Deduct	*-10.13*	
		For Lay In Frame, Deduct	*-16.89*	
		For Three Way Pattern, Deduct	*-6.76*	
		For Two Way Pattern, Deduct	*-5.40*	
		For One Way Pattern, Deduct	*-5.40*	
		For Grille (No Damper), Deduct	*-10.13*	
		For Stainless Steel, Add	*168.90*	
23 37 13 13-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	109.33	9.76
		For Steel Construction, Deduct	*-10.73*	
		For Lay In Frame, Deduct	*-17.89*	
		For Three Way Pattern, Deduct	*-7.15*	
		For Two Way Pattern, Deduct	*-5.72*	
		For One Way Pattern, Deduct	*-5.72*	
		For Grille (No Damper), Deduct	*-10.73*	
		For Stainless Steel, Add	*178.85*	
23 37 13 13-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	118.74	13.42
		For Steel Construction, Deduct	*-10.13*	
		For Lay In Frame, Deduct	*-16.89*	
		For Three Way Pattern, Deduct	*-6.76*	
		For Two Way Pattern, Deduct	*-5.40*	
		For One Way Pattern, Deduct	*-5.40*	
		For Grille (No Damper), Deduct	*-10.13*	
		For Stainless Steel, Add	*168.90*	
23 37 13 13-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	133.32	12.19
		For Steel Construction, Deduct	*-12.32*	
		For Lay In Frame, Deduct	*-20.54*	
		For Three Way Pattern, Deduct	*-8.21*	
		For Two Way Pattern, Deduct	*-6.57*	
		For One Way Pattern, Deduct	*-6.57*	
		For Grille (No Damper), Deduct	*-12.32*	
		For Stainless Steel, Add	*205.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	160.22	15.86
		For Steel Construction, Deduct	*-14.70*	
		For Lay In Frame, Deduct	*-24.51*	
		For Three Way Pattern, Deduct	*-9.80*	
		For Two Way Pattern, Deduct	*-7.84*	
		For One Way Pattern, Deduct	*-7.84*	
		For Grille (No Damper), Deduct	*-14.70*	
		For Stainless Steel, Add	*245.08*	
23 37 13 13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	197.58	18.29
		For Steel Construction, Deduct	*-18.28*	
		For Lay In Frame, Deduct	*-30.47*	
		For Three Way Pattern, Deduct	*-12.19*	
		For Two Way Pattern, Deduct	*-9.75*	
		For One Way Pattern, Deduct	*-9.75*	
		For Grille (No Damper), Deduct	*-18.28*	
		For Stainless Steel, Add	*304.70*	
23 37 13 13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	197.58	18.29
		For Steel Construction, Deduct	*-18.28*	
		For Lay In Frame, Deduct	*-30.47*	
		For Three Way Pattern, Deduct	*-12.19*	
		For Two Way Pattern, Deduct	*-9.75*	
		For One Way Pattern, Deduct	*-9.75*	
		For Grille (No Damper), Deduct	*-18.28*	
		For Stainless Steel, Add	*304.70*	
23 37 13 13-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	243.42	24.40
		For Steel Construction, Deduct	*-22.26*	
		For Lay In Frame, Deduct	*-37.10*	
		For Three Way Pattern, Deduct	*-14.84*	
		For Two Way Pattern, Deduct	*-11.87*	
		For One Way Pattern, Deduct	*-11.87*	
		For Grille (No Damper), Deduct	*-22.26*	
		For Stainless Steel, Add	*370.95*	
23 37 13 13-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	323.68	25.61
		For Steel Construction, Deduct	*-33.58*	
		For Lay In Frame, Deduct	*-55.97*	
		For Three Way Pattern, Deduct	*-22.39*	
		For Two Way Pattern, Deduct	*-17.91*	
		For One Way Pattern, Deduct	*-17.91*	
		For Grille (No Damper), Deduct	*-33.58*	
		For Stainless Steel, Add	*559.73*	
23 37 13 13-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	533.33	51.71
		For Steel Construction, Deduct	*-64.48*	
		For Lay In Frame, Deduct	*-107.47*	
		For Three Way Pattern, Deduct	*-42.99*	
		For Two Way Pattern, Deduct	*-34.39*	
		For One Way Pattern, Deduct	*-34.39*	
		For Grille (No Damper), Deduct	*-64.48*	
		For Stainless Steel, Add	*1,074.73*	

23 37 13 13-0167 Removable-Reversible Core Registers *(23 37 13 13-0155)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	122.58	9.76
		For Steel Construction, Deduct	*-8.48*	
		For Flat Frame, Deduct	*-8.48*	
		For Grille (No Damper), Deduct	*-25.44*	
		For Stainless Steel, Add	*211.98*	
23 37 13 13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	157.02	9.76
		For Steel Construction, Deduct	*-11.92*	
		For Flat Frame, Deduct	*-11.92*	
		For Grille (No Damper), Deduct	*-35.77*	
		For Stainless Steel, Add	*298.08*	
23 37 13 13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	199.56	13.42
		For Steel Construction, Deduct	*-14.84*	
		For Flat Frame, Deduct	*-14.84*	
		For Grille (No Damper), Deduct	*-44.51*	
		For Stainless Steel, Add	*370.95*	
23 37 13 13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	202.20	13.42
		For Steel Construction, Deduct	*-15.10*	
		For Flat Frame, Deduct	*-15.10*	
		For Grille (No Damper), Deduct	*-45.31*	
		For Stainless Steel, Add	*377.55*	
23 37 13 13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	258.26	15.86
		For Steel Construction, Deduct	*-19.61*	
		For Flat Frame, Deduct	*-19.61*	
		For Grille (No Damper), Deduct	*-58.82*	
		For Stainless Steel, Add	*490.18*	
23 37 13 13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	369.80	19.51
		For Steel Construction, Deduct	*-29.41*	
		For Flat Frame, Deduct	*-29.41*	
		For Grille (No Damper), Deduct	*-88.23*	
		For Stainless Steel, Add	*735.25*	
23 37 13 13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	417.49	18.29
		For Steel Construction, Deduct	*-34.18*	
		For Flat Frame, Deduct	*-34.18*	
		For Grille (No Damper), Deduct	*-102.54*	
		For Stainless Steel, Add	*854.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	503.07	24.40
		For Steel Construction, Deduct	*-40.80*	
		For Flat Frame, Deduct	*-40.80*	
		For Grille (No Damper), Deduct	*-122.41*	
		For Stainless Steel, Add	*1,020.08*	
23 37 13 13-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	637.65	24.40
		For Steel Construction, Deduct	*-53.79*	
		For Flat Frame, Deduct	*-53.79*	
		For Grille (No Damper), Deduct	*-161.36*	
		For Stainless Steel, Add	*1,344.65*	
23 37 13 13-0177		Supply Grille, Aluminum Drum With Aluminum Border *(23 37 13 13-0155)*		
		Note: Titus DL.		
23 37 13 13-0178	EA	9" x 6" Supply Grille, Aluminum Drum	90.06	18.91
		For Stainless Steel, Add	*130.68*	
23 37 13 13-0179	EA	12" x 6" Supply Grille, Aluminum Drum	126.13	25.61
		For Stainless Steel, Add	*187.40*	
23 37 13 13-0180	EA	18" x 6" Supply Grille, Aluminum Drum	138.86	25.61
		For Stainless Steel, Add	*219.23*	
23 37 13 13-0181	EA	24" x 6" Supply Grille, Aluminum Drum	154.36	31.10
		For Stainless Steel, Add	*230.45*	
23 37 13 13-0182	EA	30" x 6" Supply Grille, Aluminum Drum	196.89	37.93
		For Stainless Steel, Add	*302.98*	
23 37 13 13-0183	EA	36" x 6" Supply Grille, Aluminum Drum	238.57	37.93
		For Stainless Steel, Add	*407.18*	
23 37 13 13-0184	EA	48" x 6" Supply Grille, Aluminum Drum	285.24	47.56
		For Stainless Steel, Add	*475.53*	
23 37 13 13-0185	EA	20" x 10" Supply Grille, Aluminum Drum	160.50	31.10
		For Stainless Steel, Add	*245.80*	
23 37 13 13-0186	EA	25" x 10" Supply Grille, Aluminum Drum	173.92	37.81
		For Stainless Steel, Add	*245.80*	
23 37 13 13-0187	EA	30" x 10" Supply Grille, Aluminum Drum	244.95	47.56
		For Stainless Steel, Add	*374.60*	
23 37 13 13-0188	EA	35" x 10" Supply Grille, Aluminum Drum	282.75	51.23
		For Stainless Steel, Add	*450.80*	
23 37 13 13-0189	EA	40" x 10" Supply Grille, Aluminum Drum	317.60	53.66
		For Stainless Steel, Add	*525.75*	
23 37 13 13-0190	EA	20" x 12" Supply Grille, Aluminum Drum	182.87	33.54
		For Stainless Steel, Add	*289.50*	
23 37 13 13-0191	EA	30" x 12" Supply Grille, Aluminum Drum	268.50	48.79
		For Stainless Steel, Add	*427.40*	
23 37 13 13-0192	EA	40" x 12" Supply Grille, Aluminum Drum	347.07	54.88
		For Stainless Steel, Add	*593.30*	
23 37 13 13-0193	EA	15" x 15" Supply Grille, Aluminum Drum	192.79	37.81
		For Stainless Steel, Add	*292.98*	
23 37 13 13-0194	EA	20" x 15" Supply Grille, Aluminum Drum	216.84	40.25
		For Stainless Steel, Add	*340.90*	
23 37 13 13-0195	EA	25" x 15" Supply Grille, Aluminum Drum	254.74	46.96
		For Stainless Steel, Add	*402.13*	
23 37 13 13-0196	EA	30" x 15" Supply Grille, Aluminum Drum	288.53	50.01
		For Stainless Steel, Add	*471.35*	
23 37 13 13-0197	EA	40" x 15" Supply Grille, Aluminum Drum	350.37	56.10
		For Stainless Steel, Add	*595.48*	
23 37 13 13-0198		Adjustable Shutter Blade Registers *(23 37 13 13-0155)*		
		Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0199	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	192.35	9.76
		For Steel Construction, Deduct	*-15.46*	
		For Single Deflection, Deduct	*-30.91*	
		For Grille (No Damper), Deduct	*-23.18*	
		For Stainless Steel, Add	*386.40*	
23 37 13 13-0200	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	223.26	9.76
		For Steel Construction, Deduct	*-18.55*	
		For Single Deflection, Deduct	*-37.09*	
		For Grille (No Damper), Deduct	*-27.82*	
		For Stainless Steel, Add	*463.68*	
23 37 13 13-0201	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	236.65	13.42
		For Steel Construction, Deduct	*-18.55*	
		For Single Deflection, Deduct	*-37.09*	
		For Grille (No Damper), Deduct	*-27.82*	
		For Stainless Steel, Add	*463.68*	
23 37 13 13-0202	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	245.48	12.19
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*485.75*	
23 37 13 13-0203	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	300.65	15.86
		For Steel Construction, Deduct	*-23.85*	
		For Single Deflection, Deduct	*-47.69*	
		For Grille (No Damper), Deduct	*-35.77*	
		For Stainless Steel, Add	*596.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0204	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	402.48	18.29
		For Steel Construction, Deduct	*-32.68*	
		For Single Deflection, Deduct	*-65.36*	
		For Grille (No Damper), Deduct	*-49.02*	
		For Stainless Steel, Add	*816.95*	
23 37 13 13-0205	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	477.55	19.51
		For Steel Construction, Deduct	*-40.19*	
		For Single Deflection, Deduct	*-80.37*	
		For Grille (No Damper), Deduct	*-60.28*	
		For Stainless Steel, Add	*1,004.63*	
23 37 13 13-0206	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	589.62	24.40
		For Steel Construction, Deduct	*-49.46*	
		For Single Deflection, Deduct	*-98.92*	
		For Grille (No Damper), Deduct	*-74.19*	
		For Stainless Steel, Add	*1,236.45*	
23 37 13 13-0207	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	819.58	25.61
		For Steel Construction, Deduct	*-71.98*	
		For Single Deflection, Deduct	*-143.96*	
		For Grille (No Damper), Deduct	*-107.97*	
		For Stainless Steel, Add	*1,799.48*	

23 37 13 13-0208 Air Conditioning And Ventilation *(23 37 13 13-0155)*

23 37 13 13-0209	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	104.39	25.61
		For Stainless Steel, Add	*133.03*	
23 37 13 13-0210	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	182.65	38.12
		For Stainless Steel, Add	*266.05*	
23 37 13 13-0211	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	284.09	53.36
		For Stainless Steel, Add	*443.43*	
23 37 13 13-0212	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	731.67	73.18
		For Stainless Steel, Add	*1,463.28*	

23 37 13 13-0213 Square Wall Return Air And Exhaust Grilles *(23 37 13 13-0155)*

Note: Egg crate design aluminum construction.

23 37 13 13-0214	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	93.08	30.55
23 37 13 13-0215	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	102.92	30.55
23 37 13 13-0216	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	153.14	45.83
23 37 13 13-0217	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	202.34	45.83
23 37 13 13-0218	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	343.59	61.10
23 37 13 13-0219	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	640.77	60.98

23 37 13 13-0220 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles *(23 37 13 13-0155)*

Note: Aluminum construction.

23 37 13 13-0221	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	271.53	21.99
23 37 13 13-0222	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	311.27	21.99
23 37 13 13-0223	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	375.96	24.44
23 37 13 13-0224	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	446.58	24.44
23 37 13 13-0225	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	570.65	76.38
23 37 13 13-0226	EA	6" x 6" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	105.76	36.66
23 37 13 13-0227	EA	8" x 8" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	111.87	39.72
23 37 13 13-0228	EA	10" x 10" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	129.57	42.77
23 37 13 13-0229	EA	12" x 12" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	139.17	45.83
23 37 13 13-0230	EA	14" x 14" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	154.55	48.88

23 37 13 13-0231 Square Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0155)*

Note: Egg crate design, plastic construction.

23 37 13 13-0232	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	51.13	14.63
23 37 13 13-0233	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	74.51	14.75

23 37 13 13-0234 Door Grilles Sight Proof Inverted Vee Cross Section *(23 37 13 13-0155)*

Note: Painted steel louvers and frame.

23 37 13 13-0235	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	151.06	21.99
23 37 13 13-0236	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	187.63	21.99
23 37 13 13-0237	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	236.20	23.22
23 37 13 13-0238	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	328.94	27.74
23 37 13 13-0239	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	364.51	50.96

23 37 13 13-0240 Stainless Steel Devices *(23 37 13 13-0155)*

23 37 13 13-0241 304 Stainless Steel, Louvered Partition/Door Grilles *(23 37 13 13-0240)*

23 37 13 13-0242	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	240.46	19.06
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0243	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	202.38	19.06
		For 316 Stainless Steel, Add	*34.12*	

23 37 13 13-0244 304 Stainless Steel, Single Deflection Supply Grilles *(23 37 13 13-0240)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0245	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	181.28	19.06
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0246	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	153.59	19.06
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0247		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0248	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	266.93	19.06
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0249	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	226.96	19.06
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0250		**304 Stainless Steel Return Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0251	SF	Up To 4 SF, 304 Stainless Steel Return Grille	181.28	19.06
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0252	SF	>4 SF, 304 Stainless Steel Return Grille	153.59	19.06
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0253		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0254	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	181.28	19.06
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0255	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	153.59	19.06
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0256		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0257	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	181.28	19.06
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0258	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	145.98	19.06
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0259		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0260	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	220.21	19.06
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0261	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	150.03	19.06
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0262		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0263	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	330.78	19.06
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0264	SF	>4 SF, 304 Stainless Steel, Door Grille	275.42	19.06
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0265		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0266	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	423.70	19.06
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0267	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	362.27	19.06
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0268		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0269	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	310.54	19.06
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0270	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	213.65	19.06
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0271		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0272	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	165.71	19.06
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0273	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	125.40	19.06
		For 316 Stainless Steel, Add	*18.72*	
23 37 13 13-0274		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0240)*		
		Note: For frequent replacement.		
23 37 13 13-0275	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	128.33	19.06
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0276	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	66.56	19.06
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0277		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0240)*		
23 37 13 13-0278	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	305.87	19.06
		For 316 Stainless Steel, Add	*54.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0279	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	238.56	19.06
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0280		304 Stainless Steel, Latticed Supply/Return Grilles *(23 37 13 13-0240)*		
23 37 13 13-0281	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	104.97	19.06
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0282	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	104.97	19.06
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0283		Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*		
		Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0284	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	228.69	
23 37 13 13-0285	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	252.23	
23 37 13 13-0286	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	37.80	
23 37 13 13-0287	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	51.20	
23 37 13 43		**Security Registers and Grilles** *(23 37 13)*		
23 37 13 43-0001		Security Supply Or Return Grille *(23 37 13 43)*		
		Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA	8" x 4" Steel Security Grille	306.43	18.33
		For Anchoring Tabs, Add	*26.98*	
		For Rear Operated Opposed Blade Damper, Add	*98.09*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*67.44*	
		For Stainless Steel, Add	*350.70*	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	340.36	18.94
		For Anchoring Tabs, Add	*30.25*	
		For Rear Operated Opposed Blade Damper, Add	*109.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.62*	
		For Stainless Steel, Add	*393.21*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	390.20	21.39
		For Anchoring Tabs, Add	*34.74*	
		For Rear Operated Opposed Blade Damper, Add	*125.88*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*86.86*	
		For Stainless Steel, Add	*451.66*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	339.93	20.77
		For Anchoring Tabs, Add	*29.84*	
		For Rear Operated Opposed Blade Damper, Add	*108.59*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*74.60*	
		For Stainless Steel, Add	*387.89*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	362.82	21.99
		For Anchoring Tabs, Add	*31.88*	
		For Rear Operated Opposed Blade Damper, Add	*115.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*79.71*	
		For Stainless Steel, Add	*414.47*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	415.53	23.82
		For Anchoring Tabs, Add	*36.79*	
		For Rear Operated Opposed Blade Damper, Add	*133.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*91.97*	
		For Stainless Steel, Add	*478.23*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	464.15	25.67
		For Anchoring Tabs, Add	*41.28*	
		For Rear Operated Opposed Blade Damper, Add	*149.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*103.21*	
		For Stainless Steel, Add	*536.68*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	357.07	23.22
		For Anchoring Tabs, Add	*31.06*	
		For Rear Operated Opposed Blade Damper, Add	*113.37*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*77.66*	
		For Stainless Steel, Add	*403.83*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	398.75	25.67
		For Anchoring Tabs, Add	*34.74*	
		For Rear Operated Opposed Blade Damper, Add	*126.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*86.86*	
		For Stainless Steel, Add	*451.66*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	455.56	27.50
		For Anchoring Tabs, Add	*40.06*	
		For Rear Operated Opposed Blade Damper, Add	*145.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*100.14*	
		For Stainless Steel, Add	*520.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	496.01	29.33
		For Anchoring Tabs, Add	*43.74*	
		For Rear Operated Opposed Blade Damper, Add	*158.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*109.34*	
		For Stainless Steel, Add	*568.57*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	548.71	31.16
		For Anchoring Tabs, Add	*48.64*	
		For Rear Operated Opposed Blade Damper, Add	*176.47*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*121.60*	
		For Stainless Steel, Add	*632.32*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	381.17	25.05
		For Anchoring Tabs, Add	*33.11*	
		For Rear Operated Opposed Blade Damper, Add	*120.89*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*82.77*	
		For Stainless Steel, Add	*430.40*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	429.81	26.88
		For Anchoring Tabs, Add	*37.60*	
		For Rear Operated Opposed Blade Damper, Add	*136.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*94.01*	
		For Stainless Steel, Add	*488.85*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	479.66	29.33
		For Anchoring Tabs, Add	*42.10*	
		For Rear Operated Opposed Blade Damper, Add	*153.22*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.25*	
		For Stainless Steel, Add	*547.31*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	541.77	31.78
		For Anchoring Tabs, Add	*47.82*	
		For Rear Operated Opposed Blade Damper, Add	*173.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*119.56*	
		For Stainless Steel, Add	*621.70*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	596.93	34.83
		For Anchoring Tabs, Add	*52.73*	
		For Rear Operated Opposed Blade Damper, Add	*191.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*131.82*	
		For Stainless Steel, Add	*685.46*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	642.68	37.27
		For Anchoring Tabs, Add	*56.82*	
		For Rear Operated Opposed Blade Damper, Add	*206.31*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*142.04*	
		For Stainless Steel, Add	*738.60*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	459.22	29.33
		For Anchoring Tabs, Add	*40.06*	
		For Rear Operated Opposed Blade Damper, Add	*146.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*100.14*	
		For Stainless Steel, Add	*520.74*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	525.42	31.78
		For Anchoring Tabs, Add	*46.19*	
		For Rear Operated Opposed Blade Damper, Add	*168.01*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*115.47*	
		For Stainless Steel, Add	*600.44*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	567.09	34.21
		For Anchoring Tabs, Add	*49.87*	
		For Rear Operated Opposed Blade Damper, Add	*181.38*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*124.67*	
		For Stainless Steel, Add	*648.27*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	640.24	36.04
		For Anchoring Tabs, Add	*56.82*	
		For Rear Operated Opposed Blade Damper, Add	*206.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*142.04*	
		For Stainless Steel, Add	*738.60*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	677.83	38.49
		For Anchoring Tabs, Add	*60.09*	
		For Rear Operated Opposed Blade Damper, Add	*218.00*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*150.21*	
		For Stainless Steel, Add	*781.11*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	735.86	40.94
		For Anchoring Tabs, Add	*65.40*	
		For Rear Operated Opposed Blade Damper, Add	*237.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*163.50*	
		For Stainless Steel, Add	*850.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	486.99	32.99
		For Anchoring Tabs, Add	*42.10*	
		For Rear Operated Opposed Blade Damper, Add	*153.95*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.25*	
		For Stainless Steel, Add	*547.31*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	557.27	35.44
		For Anchoring Tabs, Add	*48.64*	
		For Rear Operated Opposed Blade Damper, Add	*177.33*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*121.60*	
		For Stainless Steel, Add	*632.32*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	611.21	37.89
		For Anchoring Tabs, Add	*53.55*	
		For Rear Operated Opposed Blade Damper, Add	*194.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*133.86*	
		For Stainless Steel, Add	*696.09*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	673.33	40.32
		For Anchoring Tabs, Add	*59.27*	
		For Rear Operated Opposed Blade Damper, Add	*215.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*148.17*	
		For Stainless Steel, Add	*770.48*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	721.15	39.72
		For Anchoring Tabs, Add	*64.17*	
		For Rear Operated Opposed Blade Damper, Add	*232.55*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*160.43*	
		For Stainless Steel, Add	*834.25*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	790.22	41.55
		For Anchoring Tabs, Add	*70.71*	
		For Rear Operated Opposed Blade Damper, Add	*255.80*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*176.78*	
		For Stainless Steel, Add	*919.27*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	847.02	43.38
		For Anchoring Tabs, Add	*76.03*	
		For Rear Operated Opposed Blade Damper, Add	*274.77*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*190.07*	
		For Stainless Steel, Add	*988.34*	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	521.72	36.04
		For Anchoring Tabs, Add	*44.96*	
		For Rear Operated Opposed Blade Damper, Add	*164.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*112.41*	
		For Stainless Steel, Add	*584.51*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	590.35	39.72
		For Anchoring Tabs, Add	*51.09*	
		For Rear Operated Opposed Blade Damper, Add	*186.77*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*127.73*	
		For Stainless Steel, Add	*664.21*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	651.24	41.55
		For Anchoring Tabs, Add	*56.82*	
		For Rear Operated Opposed Blade Damper, Add	*207.16*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*142.04*	
		For Stainless Steel, Add	*738.60*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	717.44	44.00
		For Anchoring Tabs, Add	*62.95*	
		For Rear Operated Opposed Blade Damper, Add	*229.11*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*157.37*	
		For Stainless Steel, Add	*818.30*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	790.59	45.83
		For Anchoring Tabs, Add	*69.90*	
		For Rear Operated Opposed Blade Damper, Add	*253.80*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*174.74*	
		For Stainless Steel, Add	*908.64*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	855.57	47.66
		For Anchoring Tabs, Add	*76.03*	
		For Rear Operated Opposed Blade Damper, Add	*275.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*190.07*	
		For Stainless Steel, Add	*988.34*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	916.46	49.49
		For Anchoring Tabs, Add	*81.75*	
		For Rear Operated Opposed Blade Damper, Add	*296.02*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*204.37*	
		For Stainless Steel, Add	*1,062.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	989.61	51.32
		For Anchoring Tabs, Add	*88.70*	
		For Rear Operated Opposed Blade Damper, Add	*320.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*221.74*	
		For Stainless Steel, Add	*1,153.06*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	579.31	40.32
		For Anchoring Tabs, Add	*49.87*	
		For Rear Operated Opposed Blade Damper, Add	*182.60*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*124.67*	
		For Stainless Steel, Add	*648.27*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	656.12	44.00
		For Anchoring Tabs, Add	*56.82*	
		For Rear Operated Opposed Blade Damper, Add	*207.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*142.04*	
		For Stainless Steel, Add	*738.60*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	719.88	45.21
		For Anchoring Tabs, Add	*62.95*	
		For Rear Operated Opposed Blade Damper, Add	*229.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*157.37*	
		For Stainless Steel, Add	*818.30*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	807.32	50.10
		For Anchoring Tabs, Add	*70.71*	
		For Rear Operated Opposed Blade Damper, Add	*257.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*176.78*	
		For Stainless Steel, Add	*919.27*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	872.29	51.94
		For Anchoring Tabs, Add	*76.84*	
		For Rear Operated Opposed Blade Damper, Add	*279.34*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*192.11*	
		For Stainless Steel, Add	*998.97*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	953.62	53.77
		For Anchoring Tabs, Add	*84.61*	
		For Rear Operated Opposed Blade Damper, Add	*306.89*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*211.53*	
		For Stainless Steel, Add	*1,099.93*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	1,047.20	55.60
		For Anchoring Tabs, Add	*93.60*	
		For Rear Operated Opposed Blade Damper, Add	*338.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*234.01*	
		For Stainless Steel, Add	*1,216.83*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	1,112.17	57.43
		For Anchoring Tabs, Add	*99.73*	
		For Rear Operated Opposed Blade Damper, Add	*360.55*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*249.33*	
		For Stainless Steel, Add	*1,296.53*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,250.30	61.10
		For Anchoring Tabs, Add	*112.81*	
		For Rear Operated Opposed Blade Damper, Add	*407.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*282.03*	
		For Stainless Steel, Add	*1,466.57*	

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,188.68	70.74
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,254.31	80.99
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,568.44	100.74
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,670.68	107.21
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,950.78	124.78
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,402.55	80.50
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,541.65	90.75
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,792.99	97.57
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,945.76	118.26
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,244.27	126.85
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,542.54	134.65
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,677.72	91.84
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,911.86	104.65
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,146.00	117.46
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,419.05	132.46
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,731.26	149.54
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,028.84	111.11
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,106.91	115.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,341.03	128.19
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,653.12	145.27
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,965.21	162.34
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,394.43	185.88
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,017.02	109.52
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,347.02	127.46
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,677.16	145.39
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,043.85	165.26
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,373.88	183.19
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,116.25	121.49
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,393.72	137.45
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,671.31	153.31
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,087.64	177.22
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,399.83	195.15
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,665.78	163.32
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,958.34	181.24
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,381.01	207.11
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,706.07	226.98
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,063.69	248.94
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,209.24	185.88
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,536.10	204.78
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,892.79	225.40
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,249.34	246.13
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,170.46	299.43
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,527.15	320.04
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,698.17	230.65
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,056.88	252.96
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,857.22	302.85
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,409.13	337.24
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,740.38	357.98
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,181.90	385.42
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,954.68	433.59
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,415.12	258.20
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,481.65	320.54
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,250.62	365.54
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,473.78	378.59
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,217.92	422.01
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,937.21	464.09
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,823.91	372.73
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,299.89	403.23
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,775.73	433.72
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,523.55	481.53
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,970.14	487.87
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,762.47	420.18
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,585.51	471.28
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,230.68	511.41
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,764.45	544.59
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,429.07	523.12
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,850.37	557.64
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,487.02	600.45
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,840.18	603.26
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,337.56	705.46
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,670.94	650.46
23 37 23 13-0073		Round Gravity Relief Ventilator Hood *(23 37 23 13)*		
		Note: Includes integral birdscreen and built-in curb cap with prepunched holes.		
23 37 23 13-0074	EA	22" x 22" Base/Panel, 12" x 12" Throat, Aluminum, Gravity Intake/Relief Ventilator Hood (Greenheck GRS)	734.11	90.75

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001		Universal Ventless Hood *(23 38 13 13)*		
23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	52,763.05	486.95

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001		Commercial Kitchen Hood Ventilation System *(23 38 13 16)*		
		Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002		Dry Filter Exhaust Hoods *(23 38 13 16-0001)*		
		Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	12,416.59	913.62
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	12,931.05	970.73
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	14,433.08	1,027.83
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	14,865.71	1,084.92
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	15,394.80	1,142.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,954.73	1,199.12
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	16,484.50	1,256.22
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,030.78	1,313.32
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	17,639.98	1,370.43
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,166.90	1,427.53
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	18,600.62	1,484.63
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,339.42	1,541.73
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	21,666.40	1,598.83
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	22,247.02	1,655.93
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	23,041.25	1,713.03
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,635.44	1,770.14
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	24,530.13	1,827.24
23 38 13 16-0020		**Dry Extractor Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	17,456.73	913.62
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,003.09	970.73
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	19,600.82	1,027.83
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,161.05	1,084.92
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	20,722.04	1,142.02
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,250.07	1,199.12
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	21,811.74	1,256.22
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,342.07	1,313.32
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	22,839.62	1,370.43
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,557.94	1,427.53
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	24,390.41	1,484.63
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,272.75	1,541.73
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	27,137.19	1,598.83
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	28,036.80	1,655.93
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	29,803.97	1,713.03
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	31,594.40	1,770.14
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	33,366.33	1,827.24
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	18,732.72	913.62
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,310.97	970.73
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,940.61	1,027.83
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,516.78	1,084.92
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,125.63	1,142.02
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,685.55	1,199.12
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,263.18	1,256.22
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,841.35	1,313.32
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,354.86	1,370.43
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,136.97	1,427.53
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,033.24	1,484.63
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,979.38	1,541.73
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	28,907.62	1,598.83
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,871.03	1,655.93
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	31,813.65	1,713.03
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,774.69	1,770.14
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,733.18	1,827.24
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	13,477.86	456.81
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)* Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	34,768.29	464.58
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	35,794.66	475.89
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	36,809.83	486.95
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	37,834.05	502.49
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	38,851.81	514.83
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	39,860.01	527.84
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	40,881.90	536.86
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	41,903.19	551.03
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	42,936.31	571.02
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	43,983.75	598.19
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	45,011.97	615.78
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	46,055.30	640.90
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	47,088.82	661.12
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	48,124.98	682.71
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	49,164.06	705.77
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	50,206.34	730.33
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	51,234.17	747.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0075		Stainless Steel Exhaust Hood Material *(23 38 13 16)*		
		Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	49.16	16.24
		For Type 316 Stainless Steel, Add	*1.55*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	61.44	21.65
		For Type 316 Stainless Steel, Add	*1.93*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	85.34	29.23
		For Type 316 Stainless Steel, Add	*2.70*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	106.94	35.73
		For Type 316 Stainless Steel, Add	*3.48*	
23 38 13 16-0080		Kitchen Exhaust Hood *(23 38 13 16)*		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048)	10,762.43	2,250.92
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)	9,862.06	1,800.73
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)	5,368.07	900.37
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*356.73*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648)	6,879.79	1,350.55
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*417.87*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548)	6,214.81	1,125.46
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*396.39*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001		Disposable Fiberglass Air Filters *(23 41 13)*		
23 41 13 00-0002	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5	13.42	5.87
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0003	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.42	5.87
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0004	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	13.14	5.87
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5	13.04	6.14
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	13.04	6.14
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.04	6.14
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	13.04	6.14
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	13.27	6.14
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5	13.78	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5	13.76	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	13.10	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0013	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.10	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0014	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	13.10	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0015	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	15.65	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0016	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5	18.57	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0017	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5	14.83	6.78
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0018	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5	17.27	6.78
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0019	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	13.90	6.78
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0020	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	14.83	6.78
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0021	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	13.90	6.78
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0022	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	15.71	6.78
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0023	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	14.06	6.97
		Note: One-piece kraft fiberboard frame with two metal grids.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0024	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.06	6.97
23 41 13 00-0025	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.32	6.97
23 41 13 00-0026	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.21	7.06
23 41 13 00-0027	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.80	7.06
23 41 13 00-0028	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.27	7.06
23 41 13 00-0029	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.20	7.06
23 41 13 00-0030	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.66	7.06
23 41 13 00-0031	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.46	7.06
23 41 13 00-0032	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.00	7.06
23 41 13 00-0033	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.71	7.06
23 41 13 00-0034	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.56	7.33
23 41 13 00-0035	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.20	7.33
23 41 13 00-0036	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.56	7.33
23 41 13 00-0037	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.80	7.33
23 41 13 00-0038	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.59	7.33
23 41 13 00-0039	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.65	7.33
23 41 13 00-0040	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.36	7.70
23 41 13 00-0041	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.50	7.70
23 41 13 00-0042	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.73	7.70
23 41 13 00-0043	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.97	7.70
23 41 13 00-0044	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.50	7.70
23 41 13 00-0045	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.86	7.70
23 41 13 00-0046	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.57	7.70
23 41 13 00-0047	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.66	7.79
23 41 13 00-0048	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.84	7.88
23 41 13 00-0049	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.96	7.97
23 41 13 00-0050	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.58	7.97
23 41 13 00-0051	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	24.94	7.97
23 41 13 00-0052	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.08	8.06
23 41 13 00-0053	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	25.44	8.06
23 41 13 00-0054	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.96	6.14
23 41 13 00-0055	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.90	6.14
23 41 13 00-0056	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.25	6.41
23 41 13 00-0057	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.73	6.78
23 41 13 00-0058	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.73	6.78
23 41 13 00-0059	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.09	6.97
23 41 13 00-0060	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.98	7.06
23 41 13 00-0061	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.82	7.06
23 41 13 00-0062	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.21	7.06
23 41 13 00-0063	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.25	7.33
23 41 13 00-0064	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.86	7.70
23 41 13 00-0065	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.59	7.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0066	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.59	7.70
23 41 13 00-0067	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.23	7.97
23 41 13 00-0068	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.35	8.06
23 41 13 00-0069		Disposable Pleated Air Filters *(23 41 13)*		
23 41 13 00-0070	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	14.11	6.14
23 41 13 00-0071	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.11	6.14
23 41 13 00-0072	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.63	6.14
23 41 13 00-0073	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	18.26	6.41
23 41 13 00-0074	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.96	6.41
23 41 13 00-0075	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.75	6.41
23 41 13 00-0076	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	16.75	6.41
23 41 13 00-0077	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.01	6.41
23 41 13 00-0078	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	20.68	6.78
23 41 13 00-0079	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.44	6.78
23 41 13 00-0080	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.33	6.78
23 41 13 00-0081	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.03	6.78
23 41 13 00-0082	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.01	6.78
23 41 13 00-0083	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.81	6.97
23 41 13 00-0084	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	21.05	7.06
23 41 13 00-0085	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.54	7.06
23 41 13 00-0086	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	20.49	7.06
23 41 13 00-0087	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.20	7.06
23 41 13 00-0088	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.38	7.06
23 41 13 00-0089	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	28.22	7.33
23 41 13 00-0090	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.81	7.33
23 41 13 00-0091	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	20.45	7.33
23 41 13 00-0092	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.19	7.33
23 41 13 00-0093	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.39	7.33
23 41 13 00-0094	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.17	7.70
23 41 13 00-0095	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	20.51	7.70
23 41 13 00-0096	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.28	7.70
23 41 13 00-0097	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	22.97	7.70
23 41 13 00-0098	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	27.97	7.88
23 41 13 00-0099	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.85	7.97
23 41 13 00-0100	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	34.55	7.97
23 41 13 00-0101	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	23.13	8.06
23 41 13 00-0102	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	16.71	6.14
23 41 13 00-0103	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	21.89	6.41
23 41 13 00-0104	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.53	6.41
23 41 13 00-0105	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	17.26	6.41
23 41 13 00-0106	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.24	6.78
23 41 13 00-0107	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.05	6.78
23 41 13 00-0108	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.49	6.97
23 41 13 00-0109	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	23.31	7.06
23 41 13 00-0110	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.11	7.06
23 41 13 00-0111	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	20.70	7.06
23 41 13 00-0112	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.15	7.06
23 41 13 00-0113	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	26.94	7.33
23 41 13 00-0114	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	22.94	7.33
23 41 13 00-0115	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	20.81	7.33
23 41 13 00-0116	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.63	7.33
23 41 13 00-0117	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.21	7.70
23 41 13 00-0118	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.69	7.70
23 41 13 00-0119	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.43	7.70
23 41 13 00-0120	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	31.08	7.70
23 41 13 00-0121	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.99	7.97
23 41 13 00-0122	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	25.43	8.06
23 41 13 00-0123	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	26.60	6.41
23 41 13 00-0124	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	28.74	7.06
23 41 13 00-0125	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	30.75	7.06
23 41 13 00-0126	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	33.17	7.33
23 41 13 00-0127	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	31.50	7.70
23 41 13 00-0128	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.31	7.70
23 41 13 00-0129	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	34.56	7.70
23 41 13 00-0130	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	37.75	7.97
23 41 13 00-0131	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.17	6.14
23 41 13 00-0132	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	24.17	6.14
23 41 13 00-0133	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	31.43	6.14
23 41 13 00-0134	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	25.64	6.41
23 41 13 00-0135	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.99	6.41
23 41 13 00-0136	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	24.88	6.41
23 41 13 00-0137	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	35.69	6.41
23 41 13 00-0138	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	29.14	6.78
23 41 13 00-0139	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.63	6.78
23 41 13 00-0140	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.19	6.78
23 41 13 00-0141	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.45	6.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0142	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.15	6.78
23 41 13 00-0143	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.59	6.97
23 41 13 00-0144	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	34.95	7.06
23 41 13 00-0145	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	22.95	7.06
23 41 13 00-0146	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.68	7.06
23 41 13 00-0147	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	27.25	7.06
23 41 13 00-0148	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.08	7.06
23 41 13 00-0149	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	36.90	7.33
23 41 13 00-0150	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	31.27	7.33
23 41 13 00-0151	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	28.16	7.33
23 41 13 00-0152	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	30.04	7.33
23 41 13 00-0153	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	41.74	7.33
23 41 13 00-0154	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	28.28	7.70
23 41 13 00-0155	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.07	7.70
23 41 13 00-0156	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.36	7.70
23 41 13 00-0157	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.55	7.70
23 41 13 00-0158	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	40.48	7.88
23 41 13 00-0159	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	34.04	7.97
23 41 13 00-0160	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	44.20	7.97
23 41 13 00-0161	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	38.34	8.06
23 41 13 00-0162	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	24.61	6.14
23 41 13 00-0163	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	25.92	6.41
23 41 13 00-0164	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	24.63	6.41
23 41 13 00-0165	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	28.96	6.41
23 41 13 00-0166	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.93	6.78
23 41 13 00-0167	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	27.18	6.78
23 41 13 00-0168	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.64	6.97
23 41 13 00-0169	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	35.69	7.06
23 41 13 00-0170	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	31.05	7.06
23 41 13 00-0171	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.26	7.06
23 41 13 00-0172	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	34.29	7.06
23 41 13 00-0173	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	41.13	7.33
23 41 13 00-0174	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	32.59	7.33
23 41 13 00-0175	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	37.21	7.33
23 41 13 00-0176	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	32.22	7.33
23 41 13 00-0177	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	35.75	7.70
23 41 13 00-0178	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	38.32	7.70
23 41 13 00-0179	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	38.70	7.70
23 41 13 00-0180	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	38.68	7.97
23 41 13 00-0181	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	39.18	8.06
23 41 13 00-0182	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	47.17	6.41
23 41 13 00-0183	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	48.30	7.06
23 41 13 00-0184	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	57.54	7.06
23 41 13 00-0185	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	57.45	7.33
23 41 13 00-0186	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	57.23	7.70
23 41 13 00-0187	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	63.04	7.70
23 41 13 00-0188	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	63.04	7.70
23 41 13 00-0189	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	70.36	7.97
23 41 13 00-0190	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.88	5.87
23 41 13 00-0191	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.88	5.87
23 41 13 00-0192	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.88	5.87
23 41 13 00-0193	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.24	6.14
23 41 13 00-0194	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.88	6.14
23 41 13 00-0195	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.24	6.14
23 41 13 00-0196	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.24	6.14
23 41 13 00-0197	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.24	6.14
23 41 13 00-0198	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.26	6.41
23 41 13 00-0199	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.62	6.41
23 41 13 00-0200	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.26	6.41
23 41 13 00-0201	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.26	6.41
23 41 13 00-0202	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.62	6.41
23 41 13 00-0203	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.62	6.41
23 41 13 00-0204	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.98	6.41
23 41 13 00-0205	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.74	6.78
23 41 13 00-0206	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.10	6.78
23 41 13 00-0207	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.74	6.78
23 41 13 00-0208	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.74	6.78
23 41 13 00-0209	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.74	6.78
23 41 13 00-0210	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.10	6.78
23 41 13 00-0211	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.99	6.97
23 41 13 00-0212	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.35	6.97
23 41 13 00-0213	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.35	6.97
23 41 13 00-0214	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	7.06
23 41 13 00-0215	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.47	7.06
23 41 13 00-0216	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	7.06
23 41 13 00-0217	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	7.06
23 41 13 00-0218	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	7.06
23 41 13 00-0219	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.47	7.06
23 41 13 00-0220	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.47	7.06
23 41 13 00-0221	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.88	7.06
23 41 13 00-0222	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.47	7.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0223	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.19	7.33
23 41 13 00-0224	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.47	7.33
23 41 13 00-0225	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.19	7.33
23 41 13 00-0226	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.19	7.33
23 41 13 00-0227	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.24	7.33
23 41 13 00-0228	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.69	7.70
23 41 13 00-0229	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.97	7.70
23 41 13 00-0230	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.97	7.70
23 41 13 00-0231	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.97	7.70
23 41 13 00-0232	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.33	7.70
23 41 13 00-0233	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.74	7.70
23 41 13 00-0234	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.74	7.70
23 41 13 00-0235	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.81	7.79
23 41 13 00-0236	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.57	7.88
23 41 13 00-0237	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.40	7.97
23 41 13 00-0238	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.40	7.97
23 41 13 00-0239	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.81	7.97
23 41 13 00-0240	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.52	8.06
23 41 13 00-0241	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.93	8.06
23 41 13 00-0242	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	41.18	8.24

23 41 13 00-0243 Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*

23 41 13 00-0244	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	70.60	
23 41 13 00-0245	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	68.19	
23 41 13 00-0246	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	2.94	

23 41 13 00-0247 Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*

23 41 13 00-0248	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	942.00	18.33

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	121.49	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	46.39	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*

Note: Includes particle board and kraft paper frame and separator material.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	126.22	17.11
		For Removal And Replacement In Existing Equipment, Add	*3.42*	
		For >10 To 25, Deduct	*-3.16*	
		For >25 To 50, Deduct	*-6.31*	
		For >50 To 100, Deduct	*-9.47*	
		For >100, Deduct	*-12.62*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	167.53	19.55
		For Removal And Replacement In Existing Equipment, Add	*3.91*	
		For >10 To 25, Deduct	*-4.19*	
		For >25 To 50, Deduct	*-8.38*	
		For >50 To 100, Deduct	*-12.56*	
		For >100, Deduct	*-16.75*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	196.05	22.61
		For Removal And Replacement In Existing Equipment, Add	*4.52*	
		For >10 To 25, Deduct	*-4.90*	
		For >25 To 50, Deduct	*-9.80*	
		For >50 To 100, Deduct	*-14.70*	
		For >100, Deduct	*-19.61*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	224.60	25.67
		For Removal And Replacement In Existing Equipment, Add	*5.13*	
		For >10 To 25, Deduct	*-5.62*	
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-16.85*	
		For >100, Deduct	*-22.46*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	153.56	18.33
		For Removal And Replacement In Existing Equipment, Add	*3.67*	
		For >10 To 25, Deduct	*-3.84*	
		For >25 To 50, Deduct	*-7.68*	
		For >50 To 100, Deduct	*-11.52*	
		For >100, Deduct	*-15.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	205.93	21.39
		For Removal And Replacement In Existing Equipment, Add	*4.28*	
		For >10 To 25, Deduct	*-5.15*	
		For >25 To 50, Deduct	*-10.30*	
		For >50 To 100, Deduct	*-15.44*	
		For >100, Deduct	*-20.59*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	246.05	24.44
		For Removal And Replacement In Existing Equipment, Add	*4.89*	
		For >10 To 25, Deduct	*-6.15*	
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-24.61*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	292.27	30.55
		For Removal And Replacement In Existing Equipment, Add	*6.11*	
		For >10 To 25, Deduct	*-7.31*	
		For >25 To 50, Deduct	*-14.61*	
		For >50 To 100, Deduct	*-21.92*	
		For >100, Deduct	*-29.23*	
23 41 33 00-0011		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	108.20	15.28
		For Removal And Replacement In Existing Equipment, Add	*3.06*	
		For >10 To 25, Deduct	*-2.71*	
		For >25 To 50, Deduct	*-5.41*	
		For >50 To 100, Deduct	*-8.12*	
		For >100, Deduct	*-10.82*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	149.49	18.33
		For Removal And Replacement In Existing Equipment, Add	*3.67*	
		For >10 To 25, Deduct	*-3.74*	
		For >25 To 50, Deduct	*-7.47*	
		For >50 To 100, Deduct	*-11.21*	
		For >100, Deduct	*-14.95*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	228.16	21.39
		For Removal And Replacement In Existing Equipment, Add	*4.28*	
		For >10 To 25, Deduct	*-5.70*	
		For >25 To 50, Deduct	*-11.41*	
		For >50 To 100, Deduct	*-17.11*	
		For >100, Deduct	*-22.82*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	293.08	24.44
		For Removal And Replacement In Existing Equipment, Add	*4.89*	
		For >10 To 25, Deduct	*-7.33*	
		For >25 To 50, Deduct	*-14.65*	
		For >50 To 100, Deduct	*-21.98*	
		For >100, Deduct	*-29.31*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	102.02	12.22
		For Removal And Replacement In Existing Equipment, Add	*2.44*	
		For >10 To 25, Deduct	*-2.55*	
		For >25 To 50, Deduct	*-5.10*	
		For >50 To 100, Deduct	*-7.65*	
		For >100, Deduct	*-10.20*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	135.23	16.50
		For Removal And Replacement In Existing Equipment, Add	*3.30*	
		For >10 To 25, Deduct	*-3.38*	
		For >25 To 50, Deduct	*-6.76*	
		For >50 To 100, Deduct	*-10.14*	
		For >100, Deduct	*-13.52*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	181.80	19.55
		For Removal And Replacement In Existing Equipment, Add	*3.91*	
		For >10 To 25, Deduct	*-4.55*	
		For >25 To 50, Deduct	*-9.09*	
		For >50 To 100, Deduct	*-13.64*	
		For >100, Deduct	*-18.18*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	213.44	22.91
		For Removal And Replacement In Existing Equipment, Add	*4.58*	
		For >10 To 25, Deduct	*-5.34*	
		For >25 To 50, Deduct	*-10.67*	
		For >50 To 100, Deduct	*-16.01*	
		For >100, Deduct	*-21.34*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	243.85	25.67
		For Removal And Replacement In Existing Equipment, Add	*5.13*	
		For >10 To 25, Deduct	*-6.10*	
		For >25 To 50, Deduct	*-12.19*	
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-24.39*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	166.54	18.33
		For Removal And Replacement In Existing Equipment, Add	*3.67*	
		For >10 To 25, Deduct	*-4.16*	
		For >25 To 50, Deduct	*-8.33*	
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-16.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	224.07	21.39
		For Removal And Replacement In Existing Equipment, Add	*4.28*	
		For >10 To 25, Deduct	*-5.60*	
		For >25 To 50, Deduct	*-11.20*	
		For >50 To 100, Deduct	*-16.81*	
		For >100, Deduct	*-22.41*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	267.95	24.44
		For Removal And Replacement In Existing Equipment, Add	*4.89*	
		For >10 To 25, Deduct	*-6.70*	
		For >25 To 50, Deduct	*-13.40*	
		For >50 To 100, Deduct	*-20.10*	
		For >100, Deduct	*-26.80*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	330.18	30.55
		For Removal And Replacement In Existing Equipment, Add	*6.11*	
		For >10 To 25, Deduct	*-8.25*	
		For >25 To 50, Deduct	*-16.51*	
		For >50 To 100, Deduct	*-24.76*	
		For >100, Deduct	*-33.02*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	313.15	91.16
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	584.88	181.19
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	593.75	181.19
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	599.66	181.19
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	641.06	181.19
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	692.81	181.19
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,134.28	363.53
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,259.95	363.53
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,419.63	363.53
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	338.28	91.16
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	627.75	181.19
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	638.10	181.19
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	645.50	181.19
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	694.29	181.19
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	759.34	181.19
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,237.77	363.53
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,394.50	363.53
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,592.62	363.53

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	280.44	118.17
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	321.81	118.17

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	275.69	118.17
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	306.21	118.17

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	45.51	9.17
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	46.02	9.17
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	46.34	9.17
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	46.34	9.17
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	50.22	9.17
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	56.59	9.17
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	57.46	10.39
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	57.89	10.39
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	58.26	10.39
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	58.26	10.39
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.55	10.39
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	74.50	10.39
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	27.77	9.17
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	29.61	9.17
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	29.68	9.17
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	32.09	9.17
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	34.24	9.17
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	32.15	10.39
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	35.36	10.39
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	36.04	10.39
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	40.03	10.39
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	42.57	10.39
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	70.01	11.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001		Stationary Floor, Room Air Purifier *(23 43 23)*		
23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,132.18	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,575.34	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	3,981.04	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	893.21	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,605.43	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,353.53	
23 43 23 00-0008		Surface Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,909.81	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,054.81	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,638.12	
23 43 23 00-0012		Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,760.54	
23 43 23 00-0014		Wall Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0015	EA	Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400)	944.40	
23 43 23 00-0016		Duct Mounted, Ionization System *(23 43 23)*		
23 43 23 00-0017	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	11,774.92	488.80
23 43 23 00-0018	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	15,990.04	610.99

23 43 33 Self-Contained Electronic Ultraviolet Germicidal Cleaners *(23 43)*

23 43 33 00-0001		Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*		
23 43 33 00-0002	EA	2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2) Note: 6,300 cu ft/hour air cleaning	5,322.54	
23 43 33 00-0003	EA	2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2) Note: 6,300 cu ft/hour air cleaning	7,125.51	
23 43 33 00-0004	EA	2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4) Note: 12,600 cu ft/hour air cleaning	8,020.82	
23 43 33 00-0005	EA	2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4) Note: 12,600 cu ft/hour air cleaning	8,969.73	
23 43 33 00-0006	EA	Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16)	997.51	
23 43 33 00-0007		Surface Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*		
23 43 33 00-0008	EA	Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC) Note: 1060 cu ft/hour air cleaning	3,471.53	
23 43 33 00-0009		Wall Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*		
23 43 33 00-0010	EA	Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ)	1,778.16	
23 43 33 00-0011		Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources) *(23 43 33)*		
23 43 33 00-0012	EA	14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001)	1,307.96	76.02
23 43 33 00-0013	EA	23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000)	1,372.35	87.24
23 43 33 00-0014	EA	35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002)	2,023.02	94.71
23 43 33 00-0015		Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV) *(23 43 33)*		
23 43 33 00-0016	EA	32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-TFHO)	879.03	91.92
23 43 33 00-0017	EA	32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-TFHO)	1,197.47	91.92
23 43 33 00-0018	EA	46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-TFHO)	957.38	97.33
23 43 33 00-0019	EA	46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-TFHO)	1,348.37	97.33
23 43 33 00-0020	EA	60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-TFHO)	1,045.24	102.82
23 43 33 00-0021	EA	60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-TFHO)	1,746.60	102.82
23 43 33 00-0022	EA	32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-HO)	826.63	91.92
23 43 33 00-0023	EA	32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-HO)	1,095.35	91.92
23 43 33 00-0024	EA	46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-HO)	884.83	97.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 33 00-0025	EA	46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-HO)	1,203.26	97.33
23 43 33 00-0026	EA	60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-HO)	900.13	102.82
23 43 33 00-0027	EA	60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-HO)	1,457.73	102.82
23 43 33 00-0028	EA	5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5)	40.17	
23 43 33 00-0029	EA	10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10)	50.92	
23 43 33 00-0030	EA	5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUVC-CMBRKT-SS5)	54.12	
23 43 33 00-0031	EA	18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-18)	64.75	
23 43 33 00-0032	EA	24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-24)	74.16	
23 43 33 00-0033	EA	32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-32)	84.90	
23 43 33 00-0034	EA	46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-46)	90.28	
23 43 33 00-0035	EA	60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-60)	94.31	
23 43 33 00-0036	EA	110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVC-INTLCK-SP)	303.91	
23 43 33 00-0037	EA	15" (38cm) Odor Control, UVC/UVV Lamp (Fresh-Aire UV TUVL-115P-OS-50) Note: 1 Year Warranty	200.75	61.13
23 43 33 00-0038	EA	18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO) Note: 2 Year Warranty	248.42	64.19
23 43 33 00-0039	EA	24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO) Note: 2 Year Warranty	265.83	71.03
23 43 33 00-0040	EA	32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132) Note: 1 Year Warranty	235.99	75.71
23 43 33 00-0041	EA	32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF) Note: 1 Year Warranty	296.45	75.71
23 43 33 00-0042	EA	32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO) Note: 1 Year Warranty	280.33	75.71
23 43 33 00-0043	EA	32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF) Note: 1 Year Warranty	330.04	75.71
23 43 33 00-0044	EA	46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146) Note: 1 Year Warranty	275.97	80.69
23 43 33 00-0045	EA	46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF) Note: 2 Year Warranty	345.84	80.69
23 43 33 00-0046	EA	46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO) Note: 2 Year Warranty	310.90	80.69
23 43 33 00-0047	EA	46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF) Note: 2 Year Warranty	383.46	80.69
23 43 33 00-0048	EA	60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160) Note: 1 Year Warranty	345.63	81.31
23 43 33 00-0049	EA	60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF) Note: 2 Year Warranty	443.71	81.31
23 43 33 00-0050	EA	60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO) Note: 2 Year Warranty	380.56	81.31
23 43 33 00-0051	EA	60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF) Note: 1 Year Warranty	525.67	81.31

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*
Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,695.78	247.60
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,192.60	270.11
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,039.53	298.25
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	6,597.55	346.08

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,449.99	270.11
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,435.00	298.25
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,067.60	348.89
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,375.75	391.09

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	507.70	84.41

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	996.89	49.97
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,093.84	53.01
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,208.60	56.27
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,291.31	60.01
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,410.39	64.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,497.86	69.21
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,656.71	75.05
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	1,819.42	81.84
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,039.24	85.81
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,191.64	90.03
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,396.16	94.54
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	2,820.04	149.69
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,094.66	158.98
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,354.76	168.82
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,410.83	174.45
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,518.20	180.08
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,614.14	191.33
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	3,772.56	196.83
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	3,935.81	208.08
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,122.28	225.09
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,332.19	232.82
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	4,527.07	236.35
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	4,749.56	247.60
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	4,973.36	258.86
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,197.77	270.11
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,421.23	281.36

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	463.15	9.76
23 51 13 19-0003	EA	12" x 12" Barometric Damper	670.17	13.42
23 51 13 19-0004	EA	18" x 18" Barometric Damper	897.60	20.73
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,071.69	39.03
23 51 13 19-0006	EA	6" Diameter Barometric Damper	226.62	9.76
		For Stainless Steel, Add	*245.39*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	268.17	10.97
		For Stainless Steel, Add	*291.54*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	311.14	12.19
		For Stainless Steel, Add	*338.10*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	383.11	12.19
		For Stainless Steel, Add	*428.29*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	505.13	14.64
		For Stainless Steel, Add	*583.49*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	641.61	15.86
		For Stainless Steel, Add	*752.54*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	806.89	17.08
		For Stainless Steel, Add	*959.76*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	963.06	18.29
		For Stainless Steel, Add	*1,153.57*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,117.42	20.73
		For Stainless Steel, Add	*1,346.94*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,472.10	21.96
		For Stainless Steel, Add	*1,799.56*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,752.39	24.40
		For Stainless Steel, Add	*2,154.02*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,113.28	24.40
		For Stainless Steel, Add	*2,617.54*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,605.67	28.05
		For Stainless Steel, Add	*3,244.66*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,324.54	29.27
		For Stainless Steel, Add	*4,171.70*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	31.99	10.01
		For Aluminum Liner, Add	*0.39*	
		For 304 Stainless Steel Liner, Add	*0.53*	
		For 2" Wall Instead Of 1", Add	*4.60*	
		For 3" To 4" Wall Instead Of 1", Add	*8.15*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	34.40	10.58
		For Aluminum Liner, Add	*0.47*	
		For 304 Stainless Steel Liner, Add	*0.64*	
		For 2" Wall Instead Of 1", Add	*5.16*	
		For 3" To 4" Wall Instead Of 1", Add	*9.03*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	38.02	11.25
		For Aluminum Liner, Add	*0.56*	
		For 304 Stainless Steel Liner, Add	*0.76*	
		For 2" Wall Instead Of 1", Add	*5.84*	
		For 3" To 4" Wall Instead Of 1", Add	*10.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	41.48	12.05
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*0.65*	
		For 304 Stainless Steel Liner, Add	*0.89*	
		For 2" Wall Instead Of 1", Add	*6.51*	
		For 3" To 4" Wall Instead Of 1", Add	*11.25*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	48.86	12.83
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*0.96*	
		For 304 Stainless Steel Liner, Add	*1.31*	
		For 2" Wall Instead Of 1", Add	*8.37*	
		For 3" To 4" Wall Instead Of 1", Add	*14.12*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	54.31	13.84
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*9.31*	
		For 3" To 4" Wall Instead Of 1", Add	*15.70*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	78.69	14.86
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*2.25*	
		For 304 Stainless Steel Liner, Add	*3.07*	
		For 2" Wall Instead Of 1", Add	*16.05*	
		For 3" To 4" Wall Instead Of 1", Add	*25.97*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	95.85	16.43
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*3.02*	
		For 304 Stainless Steel Liner, Add	*4.12*	
		For 2" Wall Instead Of 1", Add	*20.56*	
		For 3" To 4" Wall Instead Of 1", Add	*32.89*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	135.05	17.10
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.91*	
		For 2" Wall Instead Of 1", Add	*31.94*	
		For 3" To 4" Wall Instead Of 1", Add	*50.05*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	169.09	18.01
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*6.83*	
		For 304 Stainless Steel Liner, Add	*9.32*	
		For 2" Wall Instead Of 1", Add	*41.76*	
		For 3" To 4" Wall Instead Of 1", Add	*64.89*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	208.28	18.91
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*8.83*	
		For 304 Stainless Steel Liner, Add	*12.04*	
		For 2" Wall Instead Of 1", Add	*52.93*	
		For 3" To 4" Wall Instead Of 1", Add	*81.79*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	264.69	30.05
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*10.48*	
		For 304 Stainless Steel Liner, Add	*14.29*	
		For 2" Wall Instead Of 1", Add	*64.58*	
		For 3" To 4" Wall Instead Of 1", Add	*100.58*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	320.35	31.74
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*13.21*	
		For 304 Stainless Steel Liner, Add	*18.02*	
		For 2" Wall Instead Of 1", Add	*80.09*	
		For 3" To 4" Wall Instead Of 1", Add	*124.14*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	381.27	33.76
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*16.29*	
		For 304 Stainless Steel Liner, Add	*22.21*	
		For 2" Wall Instead Of 1", Add	*97.36*	
		For 3" To 4" Wall Instead Of 1", Add	*150.30*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	443.36	34.89
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*19.59*	
		For 304 Stainless Steel Liner, Add	*26.72*	
		For 2" Wall Instead Of 1", Add	*115.59*	
		For 3" To 4" Wall Instead Of 1", Add	*177.73*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	464.89	36.02
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*20.62*	
		For 304 Stainless Steel Liner, Add	*28.12*	
		For 2" Wall Instead Of 1", Add	*121.47*	
		For 3" To 4" Wall Instead Of 1", Add	*186.70*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	494.03	38.61
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*21.87*	
		For 304 Stainless Steel Liner, Add	*29.83*	
		For 2" Wall Instead Of 1", Add	*128.94*	
		For 3" To 4" Wall Instead Of 1", Add	*198.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	559.75	40.07
		For Aluminum Liner, Add	*25.29*	
		For 304 Stainless Steel Liner, Add	*34.49*	
		For 2" Wall Instead Of 1", Add	*147.94*	
		For 3" To 4" Wall Instead Of 1", Add	*226.90*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	627.79	41.53
		For Aluminum Liner, Add	*28.82*	
		For 304 Stainless Steel Liner, Add	*39.30*	
		For 2" Wall Instead Of 1", Add	*167.58*	
		For 3" To 4" Wall Instead Of 1", Add	*256.56*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	660.94	43.22
		For Aluminum Liner, Add	*30.42*	
		For 304 Stainless Steel Liner, Add	*41.48*	
		For 2" Wall Instead Of 1", Add	*176.70*	
		For 3" To 4" Wall Instead Of 1", Add	*270.44*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	717.20	45.02
		For Aluminum Liner, Add	*33.26*	
		For 304 Stainless Steel Liner, Add	*45.36*	
		For 2" Wall Instead Of 1", Add	*192.68*	
		For 3" To 4" Wall Instead Of 1", Add	*294.64*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	790.52	46.94
		For Aluminum Liner, Add	*37.02*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*213.68*	
		For 3" To 4" Wall Instead Of 1", Add	*326.39*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	827.03	49.07
		For Aluminum Liner, Add	*38.73*	
		For 304 Stainless Steel Liner, Add	*52.82*	
		For 2" Wall Instead Of 1", Add	*223.55*	
		For 3" To 4" Wall Instead Of 1", Add	*341.46*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	915.70	51.44
		For Aluminum Liner, Add	*43.29*	
		For 304 Stainless Steel Liner, Add	*59.03*	
		For 2" Wall Instead Of 1", Add	*248.98*	
		For 3" To 4" Wall Instead Of 1", Add	*379.90*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	994.62	54.03
		For Aluminum Liner, Add	*47.28*	
		For 304 Stainless Steel Liner, Add	*64.47*	
		For 2" Wall Instead Of 1", Add	*271.37*	
		For 3" To 4" Wall Instead Of 1", Add	*413.81*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,094.63	56.84
		For Aluminum Liner, Add	*52.40*	
		For 304 Stainless Steel Liner, Add	*71.46*	
		For 2" Wall Instead Of 1", Add	*300.01*	
		For 3" To 4" Wall Instead Of 1", Add	*457.11*	
23 51 16 00-0029		90 Degree Elbows *(23 51 16.00-0001)*		
23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.71	20.03
		For Aluminum Liner, Add	*1.76*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*14.59*	
		For 3" To 4" Wall Instead Of 1", Add	*24.36*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.64	21.16
		For Aluminum Liner, Add	*2.08*	
		For 304 Stainless Steel Liner, Add	*2.84*	
		For 2" Wall Instead Of 1", Add	*16.64*	
		For 3" To 4" Wall Instead Of 1", Add	*27.60*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	101.24	22.51
		For Aluminum Liner, Add	*2.49*	
		For 304 Stainless Steel Liner, Add	*3.39*	
		For 2" Wall Instead Of 1", Add	*19.17*	
		For 3" To 4" Wall Instead Of 1", Add	*31.55*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	112.09	23.97
		For Aluminum Liner, Add	*2.89*	
		For 304 Stainless Steel Liner, Add	*3.94*	
		For 2" Wall Instead Of 1", Add	*21.72*	
		For 3" To 4" Wall Instead Of 1", Add	*35.56*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	134.08	25.66
		For Aluminum Liner, Add	*3.87*	
		For 304 Stainless Steel Liner, Add	*5.27*	
		For 2" Wall Instead Of 1", Add	*27.47*	
		For 3" To 4" Wall Instead Of 1", Add	*44.39*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	157.24	27.69
		For Aluminum Liner, Add	*4.84*	
		For 304 Stainless Steel Liner, Add	*6.60*	
		For 2" Wall Instead Of 1", Add	*33.33*	
		For 3" To 4" Wall Instead Of 1", Add	*53.46*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	277.71	30.05
		For Aluminum Liner, Add	*11.14*	
		For 304 Stainless Steel Liner, Add	*15.18*	
		For 2" Wall Instead Of 1", Add	*68.26*	
		For 3" To 4" Wall Instead Of 1", Add	*106.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	337.08	32.75
		For Aluminum Liner, Add	*14.04*	
		For 304 Stainless Steel Liner, Add	*19.15*	
		For 2" Wall Instead Of 1", Add	*84.76*	
		For 3" To 4" Wall Instead Of 1", Add	*131.23*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	438.73	34.33
		For Aluminum Liner, Add	*19.41*	
		For 304 Stainless Steel Liner, Add	*26.47*	
		For 2" Wall Instead Of 1", Add	*114.47*	
		For 3" To 4" Wall Instead Of 1", Add	*175.99*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	540.55	36.02
		For Aluminum Liner, Add	*24.79*	
		For 304 Stainless Steel Liner, Add	*33.80*	
		For 2" Wall Instead Of 1", Add	*144.19*	
		For 3" To 4" Wall Instead Of 1", Add	*220.78*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	700.49	37.93
		For Aluminum Liner, Add	*33.31*	
		For 304 Stainless Steel Liner, Add	*45.42*	
		For 2" Wall Instead Of 1", Add	*191.17*	
		For 3" To 4" Wall Instead Of 1", Add	*291.50*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	986.38	59.99
		For Aluminum Liner, Add	*45.99*	
		For 304 Stainless Steel Liner, Add	*62.72*	
		For 2" Wall Instead Of 1", Add	*265.89*	
		For 3" To 4" Wall Instead Of 1", Add	*406.34*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,303.30	63.58
		For Aluminum Liner, Add	*62.94*	
		For 304 Stainless Steel Liner, Add	*85.82*	
		For 2" Wall Instead Of 1", Add	*359.20*	
		For 3" To 4" Wall Instead Of 1", Add	*546.74*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,471.77	67.53
		For Aluminum Liner, Add	*71.65*	
		For 304 Stainless Steel Liner, Add	*97.71*	
		For 2" Wall Instead Of 1", Add	*407.73*	
		For 3" To 4" Wall Instead Of 1", Add	*620.05*	

23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.46	20.03
		For Aluminum Liner, Add	*1.02*	
		For 304 Stainless Steel Liner, Add	*1.39*	
		For 2" Wall Instead Of 1", Add	*10.54*	
		For 3" To 4" Wall Instead Of 1", Add	*18.31*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	74.80	21.16
		For Aluminum Liner, Add	*1.20*	
		For 304 Stainless Steel Liner, Add	*1.63*	
		For 2" Wall Instead Of 1", Add	*11.84*	
		For 3" To 4" Wall Instead Of 1", Add	*20.41*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.92	22.51
		For Aluminum Liner, Add	*1.41*	
		For 304 Stainless Steel Liner, Add	*1.92*	
		For 2" Wall Instead Of 1", Add	*13.32*	
		For 3" To 4" Wall Instead Of 1", Add	*22.79*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.71	23.97
		For Aluminum Liner, Add	*1.69*	
		For 304 Stainless Steel Liner, Add	*2.30*	
		For 2" Wall Instead Of 1", Add	*15.21*	
		For 3" To 4" Wall Instead Of 1", Add	*25.82*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	108.29	25.66
		For Aluminum Liner, Add	*2.42*	
		For 304 Stainless Steel Liner, Add	*3.30*	
		For 2" Wall Instead Of 1", Add	*19.63*	
		For 3" To 4" Wall Instead Of 1", Add	*32.66*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	119.82	27.69
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.80*	
		For 2" Wall Instead Of 1", Add	*22.10*	
		For 3" To 4" Wall Instead Of 1", Add	*36.62*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	201.59	30.05
		For Aluminum Liner, Add	*6.96*	
		For 304 Stainless Steel Liner, Add	*9.49*	
		For 2" Wall Instead Of 1", Add	*45.47*	
		For 3" To 4" Wall Instead Of 1", Add	*71.95*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	241.39	32.75
		For Aluminum Liner, Add	*8.78*	
		For 304 Stainless Steel Liner, Add	*11.97*	
		For 2" Wall Instead Of 1", Add	*56.05*	
		For 3" To 4" Wall Instead Of 1", Add	*88.17*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	310.25	34.33
		For Aluminum Liner, Add	*12.35*	
		For 304 Stainless Steel Liner, Add	*16.84*	
		For 2" Wall Instead Of 1", Add	*75.92*	
		For 3" To 4" Wall Instead Of 1", Add	*118.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	371.68	36.02
		For Aluminum Liner, Add	*15.49*	
		For 304 Stainless Steel Liner, Add	*21.13*	
		For 2" Wall Instead Of 1", Add	*93.50*	
		For 3" To 4" Wall Instead Of 1", Add	*144.76*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	473.28	37.93
		For Aluminum Liner, Add	*20.82*	
		For 304 Stainless Steel Liner, Add	*28.39*	
		For 2" Wall Instead Of 1", Add	*123.03*	
		For 3" To 4" Wall Instead Of 1", Add	*189.28*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	576.58	59.88
		For Aluminum Liner, Add	*23.48*	
		For 304 Stainless Steel Liner, Add	*32.02*	
		For 2" Wall Instead Of 1", Add	*143.04*	
		For 3" To 4" Wall Instead Of 1", Add	*222.05*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	801.56	63.58
		For Aluminum Liner, Add	*35.34*	
		For 304 Stainless Steel Liner, Add	*48.19*	
		For 2" Wall Instead Of 1", Add	*208.67*	
		For 3" To 4" Wall Instead Of 1", Add	*320.96*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	982.95	67.53
		For Aluminum Liner, Add	*44.78*	
		For 304 Stainless Steel Liner, Add	*61.07*	
		For 2" Wall Instead Of 1", Add	*261.14*	
		For 3" To 4" Wall Instead Of 1", Add	*400.15*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,780.81	69.78
		For Aluminum Liner, Add	*88.36*	
		For 304 Stainless Steel Liner, Add	*120.49*	
		For 2" Wall Instead Of 1", Add	*499.38*	
		For 3" To 4" Wall Instead Of 1", Add	*757.78*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,830.44	72.02
		For Aluminum Liner, Add	*90.78*	
		For 304 Stainless Steel Liner, Add	*123.79*	
		For 2" Wall Instead Of 1", Add	*513.14*	
		For 3" To 4" Wall Instead Of 1", Add	*778.71*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,929.72	76.53
		For Aluminum Liner, Add	*95.62*	
		For 304 Stainless Steel Liner, Add	*130.39*	
		For 2" Wall Instead Of 1", Add	*540.67*	
		For 3" To 4" Wall Instead Of 1", Add	*820.57*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,155.40	78.78
		For Aluminum Liner, Add	*107.72*	
		For 304 Stainless Steel Liner, Add	*146.89*	
		For 2" Wall Instead Of 1", Add	*607.25*	
		For 3" To 4" Wall Instead Of 1", Add	*920.72*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,353.71	83.28
		For Aluminum Liner, Add	*118.01*	
		For 304 Stainless Steel Liner, Add	*160.92*	
		For 2" Wall Instead Of 1", Add	*664.50*	
		For 3" To 4" Wall Instead Of 1", Add	*1,007.15*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,425.59	90.03
		For Aluminum Liner, Add	*121.04*	
		For 304 Stainless Steel Liner, Add	*165.05*	
		For 2" Wall Instead Of 1", Add	*682.69*	
		For 3" To 4" Wall Instead Of 1", Add	*1,035.28*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,598.51	93.19
		For Aluminum Liner, Add	*130.11*	
		For 304 Stainless Steel Liner, Add	*177.43*	
		For 2" Wall Instead Of 1", Add	*732.99*	
		For 3" To 4" Wall Instead Of 1", Add	*1,111.12*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,766.95	94.54
		For Aluminum Liner, Add	*139.19*	
		For 304 Stainless Steel Liner, Add	*189.81*	
		For 2" Wall Instead Of 1", Add	*782.84*	
		For 3" To 4" Wall Instead Of 1", Add	*1,186.08*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,888.21	99.04
		For Aluminum Liner, Add	*145.24*	
		For 304 Stainless Steel Liner, Add	*198.06*	
		For 2" Wall Instead Of 1", Add	*816.98*	
		For 3" To 4" Wall Instead Of 1", Add	*1,237.83*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,064.50	103.54
		For Aluminum Liner, Add	*154.32*	
		For 304 Stainless Steel Liner, Add	*210.44*	
		For 2" Wall Instead Of 1", Add	*867.61*	
		For 3" To 4" Wall Instead Of 1", Add	*1,314.36*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,295.80	108.04
		For Aluminum Liner, Add	*166.42*	
		For 304 Stainless Steel Liner, Add	*226.94*	
		For 2" Wall Instead Of 1", Add	*934.76*	
		For 3" To 4" Wall Instead Of 1", Add	*1,415.63*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,417.09	112.54
		For Aluminum Liner, Add	*172.48*	
		For 304 Stainless Steel Liner, Add	*235.19*	
		For 2" Wall Instead Of 1", Add	*968.89*	
		For 3" To 4" Wall Instead Of 1", Add	*1,467.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0071		Tees *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	111.90	26.67
		For Aluminum Liner, Add	*2.48*	
		For 304 Stainless Steel Liner, Add	*3.38*	
		For 2" Wall Instead Of 1", Add	*20.21*	
		For 3" To 4" Wall Instead Of 1", Add	*33.66*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	116.52	27.69
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*21.11*	
		For 3" To 4" Wall Instead Of 1", Add	*35.13*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	121.54	28.82
		For Aluminum Liner, Add	*2.72*	
		For 304 Stainless Steel Liner, Add	*3.71*	
		For 2" Wall Instead Of 1", Add	*22.06*	
		For 3" To 4" Wall Instead Of 1", Add	*36.69*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	130.09	30.05
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*24.01*	
		For 3" To 4" Wall Instead Of 1", Add	*39.77*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	154.25	31.28
		For Aluminum Liner, Add	*4.18*	
		For 304 Stainless Steel Liner, Add	*5.69*	
		For 2" Wall Instead Of 1", Add	*30.61*	
		For 3" To 4" Wall Instead Of 1", Add	*49.83*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	165.43	32.75
		For Aluminum Liner, Add	*4.60*	
		For 304 Stainless Steel Liner, Add	*6.27*	
		For 2" Wall Instead Of 1", Add	*33.27*	
		For 3" To 4" Wall Instead Of 1", Add	*53.99*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	312.42	34.33
		For Aluminum Liner, Add	*12.47*	
		For 304 Stainless Steel Liner, Add	*17.00*	
		For 2" Wall Instead Of 1", Add	*76.58*	
		For 3" To 4" Wall Instead Of 1", Add	*119.15*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	362.88	36.02
		For Aluminum Liner, Add	*15.01*	
		For 304 Stainless Steel Liner, Add	*20.47*	
		For 2" Wall Instead Of 1", Add	*90.86*	
		For 3" To 4" Wall Instead Of 1", Add	*140.80*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	544.55	40.07
		For Aluminum Liner, Add	*24.45*	
		For 304 Stainless Steel Liner, Add	*33.34*	
		For 2" Wall Instead Of 1", Add	*143.36*	
		For 3" To 4" Wall Instead Of 1", Add	*220.04*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	741.88	45.02
		For Aluminum Liner, Add	*34.62*	
		For 304 Stainless Steel Liner, Add	*47.20*	
		For 2" Wall Instead Of 1", Add	*200.06*	
		For 3" To 4" Wall Instead Of 1", Add	*305.72*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	920.83	51.44
		For Aluminum Liner, Add	*43.57*	
		For 304 Stainless Steel Liner, Add	*59.42*	
		For 2" Wall Instead Of 1", Add	*250.53*	
		For 3" To 4" Wall Instead Of 1", Add	*382.22*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,226.09	63.58
		For Aluminum Liner, Add	*58.70*	
		For 304 Stainless Steel Liner, Add	*80.05*	
		For 2" Wall Instead Of 1", Add	*336.07*	
		For 3" To 4" Wall Instead Of 1", Add	*512.05*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,539.04	83.06
		For Aluminum Liner, Add	*73.23*	
		For 304 Stainless Steel Liner, Add	*99.85*	
		For 2" Wall Instead Of 1", Add	*420.18*	
		For 3" To 4" Wall Instead Of 1", Add	*640.66*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,770.93	87.79
		For Aluminum Liner, Add	*85.33*	
		For 304 Stainless Steel Liner, Add	*116.36*	
		For 2" Wall Instead Of 1", Add	*487.38*	
		For 3" To 4" Wall Instead Of 1", Add	*742.05*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,437.08	94.54
		For Aluminum Liner, Add	*121.04*	
		For 304 Stainless Steel Liner, Add	*165.05*	
		For 2" Wall Instead Of 1", Add	*683.84*	
		For 3" To 4" Wall Instead Of 1", Add	*1,037.58*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,721.23	98.25
		For Aluminum Liner, Add	*136.16*	
		For 304 Stainless Steel Liner, Add	*185.68*	
		For 2" Wall Instead Of 1", Add	*767.27*	
		For 3" To 4" Wall Instead Of 1", Add	*1,163.18*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,954.64	103.54
		For Aluminum Liner, Add	*148.27*	
		For 304 Stainless Steel Liner, Add	*202.18*	
		For 2" Wall Instead Of 1", Add	*834.62*	
		For 3" To 4" Wall Instead Of 1", Add	*1,264.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,405.94	108.04
		For Aluminum Liner, Add	*172.48*	
		For 304 Stainless Steel Liner, Add	*235.19*	
		For 2" Wall Instead Of 1", Add	*967.78*	
		For 3" To 4" Wall Instead Of 1", Add	*1,465.17*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,472.29	112.54
		For Aluminum Liner, Add	*175.50*	
		For 304 Stainless Steel Liner, Add	*239.32*	
		For 2" Wall Instead Of 1", Add	*985.42*	
		For 3" To 4" Wall Instead Of 1", Add	*1,492.19*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,041.37	120.09
		For Aluminum Liner, Add	*205.76*	
		For 304 Stainless Steel Liner, Add	*280.58*	
		For 2" Wall Instead Of 1", Add	*1,152.36*	
		For 3" To 4" Wall Instead Of 1", Add	*1,743.55*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,133.88	135.05
		For Aluminum Liner, Add	*208.79*	
		For 304 Stainless Steel Liner, Add	*284.71*	
		For 2" Wall Instead Of 1", Add	*1,172.61*	
		For 3" To 4" Wall Instead Of 1", Add	*1,775.80*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,512.17	154.41
		For Aluminum Liner, Add	*226.94*	
		For 304 Stainless Steel Liner, Add	*309.47*	
		For 2" Wall Instead Of 1", Add	*1,276.46*	
		For 3" To 4" Wall Instead Of 1", Add	*1,933.99*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,961.51	180.08
		For Aluminum Liner, Add	*248.12*	
		For 304 Stainless Steel Liner, Add	*338.35*	
		For 2" Wall Instead Of 1", Add	*1,398.42*	
		For 3" To 4" Wall Instead Of 1", Add	*2,120.13*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,402.48	202.59
		For Aluminum Liner, Add	*269.30*	
		For 304 Stainless Steel Liner, Add	*367.23*	
		For 2" Wall Instead Of 1", Add	*1,519.53*	
		For 3" To 4" Wall Instead Of 1", Add	*2,304.60*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,914.57	209.34
		For Aluminum Liner, Add	*296.54*	
		For 304 Stainless Steel Liner, Add	*404.37*	
		For 2" Wall Instead Of 1", Add	*1,669.77*	
		For 3" To 4" Wall Instead Of 1", Add	*2,530.81*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,261.72	216.08
		For Aluminum Liner, Add	*314.69*	
		For 304 Stainless Steel Liner, Add	*429.13*	
		For 2" Wall Instead Of 1", Add	*1,770.51*	
		For 3" To 4" Wall Instead Of 1", Add	*2,682.76*	
23 51 16 00-0098		**Vent Top Caps** *(23 51 16 00-0001)*		
23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	56.21	15.64
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*9.03*	
		For 3" To 4" Wall Instead Of 1", Add	*15.51*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	58.90	16.43
		For Aluminum Liner, Add	*0.99*	
		For 304 Stainless Steel Liner, Add	*1.35*	
		For 2" Wall Instead Of 1", Add	*9.48*	
		For 3" To 4" Wall Instead Of 1", Add	*16.27*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	76.16	18.01
		For Aluminum Liner, Add	*1.71*	
		For 304 Stainless Steel Liner, Add	*2.34*	
		For 2" Wall Instead Of 1", Add	*13.84*	
		For 3" To 4" Wall Instead Of 1", Add	*23.02*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	81.11	20.03
		For Aluminum Liner, Add	*1.71*	
		For 304 Stainless Steel Liner, Add	*2.34*	
		For 2" Wall Instead Of 1", Add	*14.34*	
		For 3" To 4" Wall Instead Of 1", Add	*24.01*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	98.78	21.16
		For Aluminum Liner, Add	*2.52*	
		For 304 Stainless Steel Liner, Add	*3.44*	
		For 2" Wall Instead Of 1", Add	*19.05*	
		For 3" To 4" Wall Instead Of 1", Add	*31.23*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	116.79	22.51
		For Aluminum Liner, Add	*3.33*	
		For 304 Stainless Steel Liner, Add	*4.54*	
		For 2" Wall Instead Of 1", Add	*23.78*	
		For 3" To 4" Wall Instead Of 1", Add	*38.49*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	276.63	25.66
		For Aluminum Liner, Add	*11.68*	
		For 304 Stainless Steel Liner, Add	*15.93*	
		For 2" Wall Instead Of 1", Add	*70.14*	
		For 3" To 4" Wall Instead Of 1", Add	*108.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	516.09	32.19
		For Aluminum Liner, Add	*23.97*	
		For 304 Stainless Steel Liner, Add	*32.68*	
		For 2" Wall Instead Of 1", Add	*138.76*	
		For 3" To 4" Wall Instead Of 1", Add	*212.15*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	954.71	38.61
		For Aluminum Liner, Add	*47.20*	
		For 304 Stainless Steel Liner, Add	*64.37*	
		For 2" Wall Instead Of 1", Add	*267.12*	
		For 3" To 4" Wall Instead Of 1", Add	*405.50*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,587.49	54.03
		For Aluminum Liner, Add	*79.88*	
		For 304 Stainless Steel Liner, Add	*108.93*	
		For 2" Wall Instead Of 1", Add	*449.23*	
		For 3" To 4" Wall Instead Of 1", Add	*680.60*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,342.74	56.84
		For Aluminum Liner, Add	*121.04*	
		For 304 Stainless Steel Liner, Add	*165.05*	
		For 2" Wall Instead Of 1", Add	*674.40*	
		For 3" To 4" Wall Instead Of 1", Add	*1,018.71*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,625.78	59.99
		For Aluminum Liner, Add	*136.16*	
		For 304 Stainless Steel Liner, Add	*185.68*	
		For 2" Wall Instead Of 1", Add	*757.72*	
		For 3" To 4" Wall Instead Of 1", Add	*1,144.09*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,964.79	63.58
		For Aluminum Liner, Add	*154.32*	
		For 304 Stainless Steel Liner, Add	*210.44*	
		For 2" Wall Instead Of 1", Add	*857.64*	
		For 3" To 4" Wall Instead Of 1", Add	*1,294.41*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,139.76	67.53
		For Aluminum Liner, Add	*163.40*	
		For 304 Stainless Steel Liner, Add	*222.82*	
		For 2" Wall Instead Of 1", Add	*908.15*	
		For 3" To 4" Wall Instead Of 1", Add	*1,370.67*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,316.05	72.02
		For Aluminum Liner, Add	*172.48*	
		For 304 Stainless Steel Liner, Add	*235.19*	
		For 2" Wall Instead Of 1", Add	*958.79*	
		For 3" To 4" Wall Instead Of 1", Add	*1,447.19*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,548.83	77.20
		For Aluminum Liner, Add	*184.58*	
		For 304 Stainless Steel Liner, Add	*251.70*	
		For 2" Wall Instead Of 1", Add	*1,026.08*	
		For 3" To 4" Wall Instead Of 1", Add	*1,548.76*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	22.99	8.44
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*2.69*	
		For 3" To 4" Wall Instead Of 1", Add	*5.09*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	29.13	10.81
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*3.32*	
		For 3" To 4" Wall Instead Of 1", Add	*6.33*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	38.77	14.51
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.18*	
		For 2" Wall Instead Of 1", Add	*4.37*	
		For 3" To 4" Wall Instead Of 1", Add	*8.37*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	48.53	18.01
		For Aluminum Liner, Add	*0.19*	
		For 304 Stainless Steel Liner, Add	*0.26*	
		For 2" Wall Instead Of 1", Add	*5.56*	
		For 3" To 4" Wall Instead Of 1", Add	*10.58*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	69.78	24.31
		For Aluminum Liner, Add	*0.50*	
		For 304 Stainless Steel Liner, Add	*0.68*	
		For 2" Wall Instead Of 1", Add	*8.78*	
		For 3" To 4" Wall Instead Of 1", Add	*16.21*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	88.17	30.17
		For Aluminum Liner, Add	*0.70*	
		For 304 Stainless Steel Liner, Add	*0.96*	
		For 2" Wall Instead Of 1", Add	*11.37*	
		For 3" To 4" Wall Instead Of 1", Add	*20.82*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	111.67	36.02
		For Aluminum Liner, Add	*1.19*	
		For 304 Stainless Steel Liner, Add	*1.62*	
		For 2" Wall Instead Of 1", Add	*15.50*	
		For 3" To 4" Wall Instead Of 1", Add	*27.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	145.63	42.77
		For Aluminum Liner, Add	*2.13*	
		For 304 Stainless Steel Liner, Add	*2.90*	
		For 2" Wall Instead Of 1", Add	*22.31*	
		For 3" To 4" Wall Instead Of 1", Add	*38.81*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	196.02	47.27
		For Aluminum Liner, Add	*4.28*	
		For 304 Stainless Steel Liner, Add	*5.84*	
		For 2" Wall Instead Of 1", Add	*35.17*	
		For 3" To 4" Wall Instead Of 1", Add	*58.67*	
23 51 16 00-0125		**Adjustable Roof Flashing** *(23 51 16 00-0001)*		
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	62.63	20.03
		For Aluminum Liner, Add	*0.70*	
		For 304 Stainless Steel Liner, Add	*0.95*	
		For 2" Wall Instead Of 1", Add	*8.79*	
		For 3" To 4" Wall Instead Of 1", Add	*15.69*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	69.28	21.16
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.22*	
		For 2" Wall Instead Of 1", Add	*10.18*	
		For 3" To 4" Wall Instead Of 1", Add	*17.93*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	87.27	23.97
		For Aluminum Liner, Add	*1.50*	
		For 304 Stainless Steel Liner, Add	*2.05*	
		For 2" Wall Instead Of 1", Add	*14.19*	
		For 3" To 4" Wall Instead Of 1", Add	*24.28*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	106.51	27.69
		For Aluminum Liner, Add	*2.05*	
		For 304 Stainless Steel Liner, Add	*2.80*	
		For 2" Wall Instead Of 1", Add	*18.11*	
		For 3" To 4" Wall Instead Of 1", Add	*30.63*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	177.40	30.05
		For Aluminum Liner, Add	*5.63*	
		For 304 Stainless Steel Liner, Add	*7.67*	
		For 2" Wall Instead Of 1", Add	*38.21*	
		For 3" To 4" Wall Instead Of 1", Add	*61.06*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	211.65	32.75
		For Aluminum Liner, Add	*7.14*	
		For 304 Stainless Steel Liner, Add	*9.74*	
		For 2" Wall Instead Of 1", Add	*47.13*	
		For 3" To 4" Wall Instead Of 1", Add	*74.79*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	249.58	36.02
		For Aluminum Liner, Add	*8.78*	
		For 304 Stainless Steel Liner, Add	*11.97*	
		For 2" Wall Instead Of 1", Add	*56.87*	
		For 3" To 4" Wall Instead Of 1", Add	*89.80*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	298.23	40.07
		For Aluminum Liner, Add	*10.89*	
		For 304 Stainless Steel Liner, Add	*14.85*	
		For 2" Wall Instead Of 1", Add	*69.44*	
		For 3" To 4" Wall Instead Of 1", Add	*109.16*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	453.69	45.02
		For Aluminum Liner, Add	*18.76*	
		For 304 Stainless Steel Liner, Add	*25.58*	
		For 2" Wall Instead Of 1", Add	*113.59*	
		For 3" To 4" Wall Instead Of 1", Add	*176.01*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	497.76	59.99
		For Aluminum Liner, Add	*19.12*	
		For 304 Stainless Steel Liner, Add	*26.08*	
		For 2" Wall Instead Of 1", Add	*119.32*	
		For 3" To 4" Wall Instead Of 1", Add	*186.48*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	633.11	77.20
		For Aluminum Liner, Add	*24.21*	
		For 304 Stainless Steel Liner, Add	*33.01*	
		For 2" Wall Instead Of 1", Add	*151.34*	
		For 3" To 4" Wall Instead Of 1", Add	*236.65*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	753.24	90.03
		For Aluminum Liner, Add	*29.05*	
		For 304 Stainless Steel Liner, Add	*39.61*	
		For 2" Wall Instead Of 1", Add	*180.95*	
		For 3" To 4" Wall Instead Of 1", Add	*282.69*	
23 51 16 00-0138		**Galvanized Storm Collars** *(23 51 16 00-0001)*		
23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	24.69	8.44
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.27*	
		For 2" Wall Instead Of 1", Add	*3.20*	
		For 3" To 4" Wall Instead Of 1", Add	*5.85*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	31.20	10.81
		For Aluminum Liner, Add	*0.23*	
		For 304 Stainless Steel Liner, Add	*0.31*	
		For 2" Wall Instead Of 1", Add	*3.96*	
		For 3" To 4" Wall Instead Of 1", Add	*7.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	36.73	12.61
		For Aluminum Liner, Add	*0.29*	
		For 304 Stainless Steel Liner, Add	*0.39*	
		For 2" Wall Instead Of 1", Add	*4.72*	
		For 3" To 4" Wall Instead Of 1", Add	*8.65*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	42.28	14.40
		For Aluminum Liner, Add	*0.34*	
		For 304 Stainless Steel Liner, Add	*0.47*	
		For 2" Wall Instead Of 1", Add	*5.48*	
		For 3" To 4" Wall Instead Of 1", Add	*10.02*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	53.35	18.01
		For Aluminum Liner, Add	*0.46*	
		For 304 Stainless Steel Liner, Add	*0.62*	
		For 2" Wall Instead Of 1", Add	*7.00*	
		For 3" To 4" Wall Instead Of 1", Add	*12.75*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	73.84	24.31
		For Aluminum Liner, Add	*0.72*	
		For 304 Stainless Steel Liner, Add	*0.98*	
		For 2" Wall Instead Of 1", Add	*10.00*	
		For 3" To 4" Wall Instead Of 1", Add	*18.03*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	91.10	30.17
		For Aluminum Liner, Add	*0.86*	
		For 304 Stainless Steel Liner, Add	*1.18*	
		For 2" Wall Instead Of 1", Add	*12.25*	
		For 3" To 4" Wall Instead Of 1", Add	*22.14*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	116.66	36.02
		For Aluminum Liner, Add	*1.46*	
		For 304 Stainless Steel Liner, Add	*2.00*	
		For 2" Wall Instead Of 1", Add	*16.99*	
		For 3" To 4" Wall Instead Of 1", Add	*29.99*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	155.12	42.77
		For Aluminum Liner, Add	*2.65*	
		For 304 Stainless Steel Liner, Add	*3.62*	
		For 2" Wall Instead Of 1", Add	*25.15*	
		For 3" To 4" Wall Instead Of 1", Add	*43.08*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	219.74	47.27
		For Aluminum Liner, Add	*5.59*	
		For 304 Stainless Steel Liner, Add	*7.62*	
		For 2" Wall Instead Of 1", Add	*42.29*	
		For 3" To 4" Wall Instead Of 1", Add	*69.34*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	42.23	10.58
		For 2" Wall Instead Of 1", Add	*7.38*	
		For 3" To 4" Wall Instead Of 1", Add	*12.39*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	46.66	11.25
		For 2" Wall Instead Of 1", Add	*8.41*	
		For 3" To 4" Wall Instead Of 1", Add	*14.01*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	51.76	12.05
		For 2" Wall Instead Of 1", Add	*9.52*	
		For 3" To 4" Wall Instead Of 1", Add	*15.78*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	92.70	21.95
		For 2" Wall Instead Of 1", Add	*16.83*	
		For 3" To 4" Wall Instead Of 1", Add	*27.99*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	108.16	25.66
		For 2" Wall Instead Of 1", Add	*19.62*	
		For 3" To 4" Wall Instead Of 1", Add	*32.63*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	129.04	29.04
		For 2" Wall Instead Of 1", Add	*24.19*	
		For 3" To 4" Wall Instead Of 1", Add	*39.92*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	94.59	21.95
		For 2" Wall Instead Of 1", Add	*17.40*	
		For 3" To 4" Wall Instead Of 1", Add	*28.84*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	112.75	25.66
		For 2" Wall Instead Of 1", Add	*21.00*	
		For 3" To 4" Wall Instead Of 1", Add	*34.70*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	132.01	29.04
		For 2" Wall Instead Of 1", Add	*25.08*	
		For 3" To 4" Wall Instead Of 1", Add	*41.25*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	155.46	33.32
		For 2" Wall Instead Of 1", Add	*29.96*	
		For 3" To 4" Wall Instead Of 1", Add	*49.11*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	158.43	33.32
		For 2" Wall Instead Of 1", Add	*30.86*	
		For 3" To 4" Wall Instead Of 1", Add	*50.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	182.08	38.26
		For 2" Wall Instead Of 1", Add	*35.49*	
		For 3" To 4" Wall Instead Of 1", Add	*58.02*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	208.45	42.88
		For 2" Wall Instead Of 1", Add	*41.10*	
		For 3" To 4" Wall Instead Of 1", Add	*67.01*	
23 51 16 00-0166		**Tops/Caps And Adjustable Flashing** *(23 51 16 00-0149)*		
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	59.79	10.81
		For 2" Wall Instead Of 1", Add	*12.51*	
		For 3" To 4" Wall Instead Of 1", Add	*20.13*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	93.69	14.51
		For 2" Wall Instead Of 1", Add	*20.85*	
		For 3" To 4" Wall Instead Of 1", Add	*33.08*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	48.18	10.81
		For 2" Wall Instead Of 1", Add	*9.03*	
		For 3" To 4" Wall Instead Of 1", Add	*14.90*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	82.75	14.51
		For 2" Wall Instead Of 1", Add	*17.56*	
		For 3" To 4" Wall Instead Of 1", Add	*28.16*	
23 51 16 00-0171		**Storm Collars** *(23 51 16 00-0149)*		
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	31.20	10.81
		For 2" Wall Instead Of 1", Add	*3.96*	
		For 3" To 4" Wall Instead Of 1", Add	*7.29*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	36.73	12.61
		For 2" Wall Instead Of 1", Add	*4.72*	
		For 3" To 4" Wall Instead Of 1", Add	*8.65*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	42.28	14.40
		For 2" Wall Instead Of 1", Add	*5.48*	
		For 3" To 4" Wall Instead Of 1", Add	*10.02*	
23 51 16 00-0175		**Round Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)* Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176		**Round Double Wall Flue/Vent Pipe** *(23 51 16 00-0175)* Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	114.16	12.05
		For 316 Stainless Steel, Add	*13.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*16.82*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	137.33	13.84
		For 316 Stainless Steel, Add	*16.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.53*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	152.48	14.97
		For 316 Stainless Steel, Add	*18.40*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.00*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	172.01	16.32
		For 316 Stainless Steel, Add	*20.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.22*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	193.77	17.10
		For 316 Stainless Steel, Add	*24.14*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.18*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	204.64	18.01
		For 316 Stainless Steel, Add	*25.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*31.91*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	226.77	19.02
		For 316 Stainless Steel, Add	*28.69*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*35.87*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	280.37	30.05
		For 316 Stainless Steel, Add	*32.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.53*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*41.06*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	349.09	33.76
		For 316 Stainless Steel, Add	*42.35*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*52.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	394.24	36.02
		For 316 Stainless Steel, Add	*48.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*60.85*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	441.28	39.96
		For 316 Stainless Steel, Add	*54.61*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.13*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.27*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	491.30	43.22
		For 316 Stainless Steel, Add	*61.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.68*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	560.86	49.18
		For 316 Stainless Steel, Add	*70.05*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*87.56*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	656.86	56.95
		For 316 Stainless Steel, Add	*82.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*51.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*102.90*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	539.52	24.88
		For 316 Stainless Steel, Add	*95.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.48*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	596.05	27.69
		For 316 Stainless Steel, Add	*105.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*105.37*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	678.64	30.05
		For 316 Stainless Steel, Add	*120.71*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*60.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*120.71*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	766.98	32.75
		For 316 Stainless Steel, Add	*137.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*68.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*137.03*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	889.65	34.33
		For 316 Stainless Steel, Add	*160.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.78*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	980.47	36.02
		For 316 Stainless Steel, Add	*178.09*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*89.05*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*178.09*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,133.61	37.93
		For 316 Stainless Steel, Add	*207.77*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*103.89*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*207.77*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,312.60	59.99
		For 316 Stainless Steel, Add	*232.51*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*232.51*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,615.80	67.53
		For 316 Stainless Steel, Add	*289.40*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*144.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*289.40*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,960.98	72.02
		For 316 Stainless Steel, Add	*356.18*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*178.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*356.18*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,592.12	77.09
		For 316 Stainless Steel, Add	*479.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*239.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*479.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,945.90	90.03
		For 316 Stainless Steel, Add	*544.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*272.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*544.16*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,326.71	98.25
		For 316 Stainless Steel, Add	*816.24*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*408.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*816.24*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,402.54	108.04
		For 316 Stainless Steel, Add	*1,026.49*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*513.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,026.49*	
23 51 16 00-0206		**45 Degree Elbows** *(23 51 16 00-0175)*		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	359.28	23.97
		For 316 Stainless Steel, Add	*59.86*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*59.86*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	410.54	27.69
		For 316 Stainless Steel, Add	*68.27*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.13*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.27*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	455.99	30.05
		For 316 Stainless Steel, Add	*76.18*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.18*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	519.63	32.75
		For 316 Stainless Steel, Add	*87.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*87.56*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	585.41	34.33
		For 316 Stainless Steel, Add	*99.93*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*99.93*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	656.44	36.02
		For 316 Stainless Steel, Add	*113.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*113.28*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	735.38	37.93
		For 316 Stainless Steel, Add	*128.13*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*64.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*128.13*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	882.23	59.99
		For 316 Stainless Steel, Add	*146.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*73.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*146.43*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,108.75	67.53
		For 316 Stainless Steel, Add	*187.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*187.98*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,243.67	72.02
		For 316 Stainless Steel, Add	*212.72*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*106.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*212.72*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,615.10	77.09
		For 316 Stainless Steel, Add	*284.45*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*142.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*284.45*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,142.03	90.03
		For 316 Stainless Steel, Add	*383.39*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*191.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*383.39*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,842.63	98.25
		For 316 Stainless Steel, Add	*519.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*259.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*519.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,794.82	108.04
		For 316 Stainless Steel, Add	*704.94*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*352.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*704.94*	
23 51 16 00-0221		**Tees** *(23 51 16 00-0175)*		
23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	389.24	30.05
		For 316 Stainless Steel, Add	*69.11*	
		For Tee Cap, Add	*89.11*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*62.83*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	442.96	32.75
		For 316 Stainless Steel, Add	*79.45*	
		For Tee Cap, Add	*100.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*36.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*72.23*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	508.70	34.33
		For 316 Stainless Steel, Add	*93.05*	
		For Tee Cap, Add	*114.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*84.59*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	584.70	36.02
		For 316 Stainless Steel, Add	*108.83*	
		For Tee Cap, Add	*130.44*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.94*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	683.78	40.07
		For 316 Stainless Steel, Add	*128.42*	
		For Tee Cap, Add	*151.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*58.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*116.75*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	767.94	45.02
		For 316 Stainless Steel, Add	*144.20*	
		For Tee Cap, Add	*170.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*65.55*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*131.09*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	895.29	51.44
		For 316 Stainless Steel, Add	*168.69*	
		For Tee Cap, Add	*198.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*76.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*153.35*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,024.59	63.58
		For 316 Stainless Steel, Add	*190.46*	
		For Tee Cap, Add	*228.75*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*86.57*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*173.14*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,301.05	90.03
		For 316 Stainless Steel, Add	*236.71*	
		For Tee Cap, Add	*293.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*107.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*215.19*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,581.16	98.25
		For 316 Stainless Steel, Add	*293.85*	
		For Tee Cap, Add	*353.06*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*133.57*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*267.13*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,100.46	108.04
		For 316 Stainless Steel, Add	*402.68*	
		For Tee Cap, Add	*460.61*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*183.04*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*366.07*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,340.89	120.09
		For 316 Stainless Steel, Add	*448.93*	
		For Tee Cap, Add	*513.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*204.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*408.12*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,727.53	180.08
		For 316 Stainless Steel, Add	*721.01*	
		For Tee Cap, Add	*813.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*327.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*655.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,683.32	216.08
		For 316 Stainless Steel, Add	*911.47*	
		For Tee Cap, Add	*1,017.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*414.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*828.61*	
23 51 16 00-0236		**Bellows** *(23 51 16 00-0175)*		
23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	737.72	23.97
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*67.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*135.55*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	803.82	27.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*73.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*146.92*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	878.99	30.05
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.78*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	972.28	32.75
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*89.05*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*178.09*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,087.52	34.33
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.18*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.35*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,203.08	36.02
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*111.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*222.61*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,343.85	37.93
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*124.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*249.82*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,559.93	59.99
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*140.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*281.98*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,925.00	67.53
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*175.62*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*351.23*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,158.87	72.02
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*197.88*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*395.75*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,468.57	77.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*227.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*455.12*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,822.25	90.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*259.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*519.43*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,584.69	98.25
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*333.92*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*667.84*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,351.35	108.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*408.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*816.24*	
23 51 16 00-0251		**Ventilated Roof Thimbles** *(23 51 16 00-0175)*		
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	489.74	27.69
		For 316 Stainless Steel, Add	*42.05*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	532.00	32.75
		For 316 Stainless Steel, Add	*45.02*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	582.22	36.02
		For 316 Stainless Steel, Add	*49.22*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	629.42	40.07
		For 316 Stainless Steel, Add	*52.93*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	800.99	42.43
		For 316 Stainless Steel, Add	*69.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	716.05	45.02
		For 316 Stainless Steel, Add	*60.35*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	770.62	48.05
		For 316 Stainless Steel, Add	*65.05*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	866.36	67.53
		For 316 Stainless Steel, Add	*69.75*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	971.87	77.09
		For 316 Stainless Steel, Add	*77.91*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,110.47	83.06
		For 316 Stainless Steel, Add	*90.28*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,239.07	89.92
		For 316 Stainless Steel, Add	*101.41*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,383.01	107.93
		For 316 Stainless Steel, Add	*111.31*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,771.70	119.98
		For 316 Stainless Steel, Add	*147.17*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,192.51	134.94
		For 316 Stainless Steel, Add	*185.51*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	338.48	15.64
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	357.02	17.10
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	383.87	18.01
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	401.10	18.91
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	441.93	19.47
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	482.79	19.92
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	585.68	20.60
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	732.16	38.61
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	920.11	41.53
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,097.44	43.22
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,349.29	45.02
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,532.70	49.18
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,934.30	51.44
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,472.50	54.03

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	370.54	15.64
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	428.75	17.10
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	497.62	18.01
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	571.73	18.91
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	666.97	19.47
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	757.41	20.03
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	842.95	20.60
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,011.56	38.61
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,204.55	41.53
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,307.62	43.22
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,485.25	45.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,730.44	49.07
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,107.35	51.44
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,447.67	54.03
23 51 16 00-0296		Roof Support Assemblies *(23 51 16 00-0175)*		
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	559.20	28.82
		For 316 Stainless Steel, Add	*97.45*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	617.57	34.33
		For 316 Stainless Steel, Add	*106.36*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	678.44	37.93
		For 316 Stainless Steel, Add	*116.75*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	724.23	42.31
		For 316 Stainless Steel, Add	*123.67*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	807.58	45.02
		For 316 Stainless Steel, Add	*139.01*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	857.16	48.05
		For 316 Stainless Steel, Add	*147.42*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	920.25	51.55
		For 316 Stainless Steel, Add	*158.30*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,021.06	72.02
		For 316 Stainless Steel, Add	*168.20*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,147.72	83.17
		For 316 Stainless Steel, Add	*187.98*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,325.78	90.03
		For 316 Stainless Steel, Add	*220.14*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,581.18	98.25
		For 316 Stainless Steel, Add	*267.13*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,833.83	120.09
		For 316 Stainless Steel, Add	*306.71*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,736.87	135.05
		For 316 Stainless Steel, Add	*479.85*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,352.01	153.52
		For 316 Stainless Steel, Add	*593.63*	
23 51 16 00-0311		Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)* Note: With 1" insulation.		
23 51 16 00-0312		Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)* Note: With 1" insulation.		
23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	99.32	12.05
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*6.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*13.85*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	121.22	12.83
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*17.81*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	138.57	13.84
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.78*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	188.30	14.97
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.18*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	243.78	16.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*40.56*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	310.11	17.22
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*53.43*	
23 51 16 00-0319		90 Degree Elbows *(23 51 16 00-0311)*		
23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	214.62	23.97
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*30.92*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	237.40	25.66
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	267.12	27.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.58*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	332.32	30.05
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.45*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	395.97	32.75
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*62.83*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	461.68	34.33
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*75.19*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	175.98	23.97
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.19*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	194.11	25.66
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.97*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	217.66	27.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.68*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	268.00	30.05
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*38.59*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	317.41	32.75
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*23.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*47.12*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	367.74	34.33
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*56.40*	

23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	351.85	23.97
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*58.37*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	445.18	25.66
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.18*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	499.59	27.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.04*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*86.08*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	681.00	30.05
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*60.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*121.20*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	935.14	32.75
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*85.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*170.67*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,198.74	34.33
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*111.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*222.61*	

23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	149.03	23.97
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	160.74	25.66
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	187.94	27.69
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	234.65	30.05
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	280.93	32.75
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	333.06	34.33

23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	177.48	23.97
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	197.82	25.66
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	215.13	27.69
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	261.84	30.05
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	323.05	32.75
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	387.43	34.21

23 51 16 00-0354 Vent Top Caps *(23 51 16 00-0311)*

23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	158.93	23.97
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	199.05	25.66
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	249.77	27.69
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	399.14	30.05
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	544.42	32.75
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	694.20	34.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	236.75	23.97
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	263.36	25.66
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	285.62	27.69
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	359.47	30.05
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	425.64	32.75
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	521.06	34.33
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	239.53	45.83
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	260.66	45.83
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)* Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	43.17	13.92
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	49.42	14.65
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	56.79	16.29
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	70.83	19.16
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	52.11	15.95
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	63.62	16.80
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	78.63	18.67
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	97.57	21.96
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	87.68	21.11
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	104.33	22.22
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	130.58	24.70
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	170.05	29.05
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	130.09	31.16
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	149.58	32.79
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	196.29	36.44
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	256.44	42.88
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	53.45	16.91
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	63.10	17.81
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	79.87	18.46
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	93.38	19.21
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	53.45	16.91
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	63.10	17.81
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	79.87	18.46
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	93.38	19.21
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	53.45	16.91
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	63.10	17.81
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	79.87	18.46
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	93.38	19.21
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	53.45	16.91
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	63.10	17.81
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	78.82	18.46
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	95.97	19.21
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	173.89	25.38
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	219.93	26.72
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	259.12	27.69
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	283.92	28.82
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	63.68	16.91
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	92.89	17.81
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	108.71	18.46
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	149.76	19.21
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)* Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	70.92	17.36
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	77.89	18.13
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	143.58	18.82
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	97.17	17.36

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23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	75.75	18.13
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	199.64	18.82
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	70.92	17.36
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	77.89	18.13
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	178.53	18.82
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	89.11	25.38
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	100.40	26.72
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	157.00	27.69
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	167.82	28.82
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	263.82	27.69
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	345.93	34.61
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	215.48	28.82
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	320.87	36.02
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	341.08	18.13
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	395.41	18.82
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	124.55	25.38
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	151.52	26.72
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	174.27	27.69
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	199.53	28.82
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	222.22	27.69
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	245.42	28.82
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	73.32	8.46
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	94.61	8.90
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	112.78	9.23
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	147.90	9.60
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	139.89	25.38
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	172.79	26.72
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	200.65	27.69
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	242.90	28.82
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	185.83	16.91
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	163.22	17.81
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	205.20	18.46
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	424.12	17.81
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	453.00	18.46
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	529.39	19.21
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	108.01	16.91
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	114.58	16.91
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	121.16	16.91
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	127.73	16.91
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	116.82	17.81
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	123.40	17.81
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.97	17.81
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	136.54	17.81
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.58	18.46
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	138.15	18.46
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	144.72	18.46
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	114.52	16.91
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	147.71	17.81
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	131.67	25.38
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	175.10	26.72
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	208.00	27.69
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	229.59	28.82
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	45.42	14.65
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	54.68	16.29
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	54.87	16.80
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	69.16	18.67
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	83.65	22.22
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	114.90	32.79
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	140.11	36.44
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	50.69	14.65
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	65.79	16.80
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	109.20	22.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	55.54	16.91
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	65.73	17.81
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	83.23	18.46
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	54.55	16.91
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	65.07	17.81
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	82.08	18.46
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	36.31	8.46
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	42.57	8.90
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	47.91	9.23
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	96.42	8.90
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	110.98	9.60
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	18.52	4.23
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	17.52	4.45
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	18.04	4.61
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	29.20	4.80
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	35.45	6.35
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	41.88	6.68
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	48.84	6.92
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	33.62	6.35
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	33.37	6.92
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	41.04	7.20
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	25.11	6.68
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	48.91	16.91
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	54.19	17.81
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	58.56	18.46
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	65.83	19.21
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.22	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.72	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.39	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.55	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	15.10	4.23
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	17.20	4.45
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	18.58	4.61
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	20.63	4.80
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	79.91	8.46
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	81.84	8.90
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	59.98	9.23
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	69.78	6.35
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	71.93	6.68
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	97.23	6.92
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	166.21	7.20
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	12.49	1.49
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	10.74	1.49
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	15.37	1.75
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	13.17	1.75
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	22.28	2.17
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	18.90	2.17
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	85.84	16.91
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	96.81	16.91
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	202.59	17.81
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	374.75	18.46
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	100.05	16.91
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	242.68	17.81
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	637.63	18.46
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	114.61	16.91
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	105.18	17.81
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	131.22	18.46
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	109.60	16.77
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	116.66	16.43
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	126.73	17.22
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	179.11	18.01
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	200.37	20.03
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	585.89	21.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	600.14	22.51

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,305.31	634.75
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	8,966.54	740.54
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	9,623.00	793.43
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	10,712.77	846.33
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	11,776.32	899.23
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	13,746.41	1,005.02
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	15,716.58	1,110.81
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	16,355.09	1,163.71
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	17,222.90	1,216.60
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	22,516.75	1,322.39
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	23,468.57	1,375.28
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	24,812.47	1,554.85
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	25,844.90	1,670.03
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	27,880.24	1,785.20
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	30,026.34	1,957.97
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	31,932.09	2,015.56
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	33,478.39	2,073.13
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	35,593.85	2,130.72
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	37,709.88	2,188.31
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	40,348.91	2,303.49
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	43,068.57	2,418.66
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	45,730.63	2,476.25
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	50,661.50	2,533.84
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	54,562.46	2,649.01
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	55,881.98	2,764.18
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	61,421.59	2,936.95
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	63,425.56	3,109.71
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	65,544.70	3,282.47
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	69,598.62	3,455.23
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	71,401.84	3,570.41
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	73,767.74	3,800.75
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	76,291.59	4,031.10
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	83,316.89	4,261.46
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	87,831.53	4,491.80

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,291.97	581.85
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	7,680.25	634.75
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,068.53	687.64
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	8,445.78	740.54
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	8,881.61	793.43
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,201.94	846.33
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	9,590.22	899.23
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,172.64	952.12
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	10,685.30	1,005.02
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	10,995.92	1,057.92
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	11,809.17	1,110.81
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	12,576.68	1,163.71
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	13,965.95	1,216.60
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	14,875.05	1,269.50
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	15,637.37	1,322.39
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	16,971.60	1,375.28
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	18,700.23	1,554.85
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	20,096.73	1,670.03
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	21,618.11	1,785.20
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	23,129.78	1,957.97
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	24,651.17	2,073.13
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	26,073.50	2,188.31
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	28,071.72	2,245.90
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	29,912.13	2,303.49
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	31,674.87	2,418.66
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	33,524.10	2,418.66
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	36,720.72	2,476.25
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	38,420.19	2,533.84
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	40,567.56	2,649.01
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	42,187.32	2,706.59
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	43,812.96	2,764.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	45,032.43	2,936.95
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	47,235.85	3,109.71
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	54,952.52	3,282.47
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	60,285.88	3,455.23
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	62,619.02	3,570.41
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	65,218.53	3,800.75
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	67,818.04	4,031.10
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	75,152.60	4,261.46
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	79,884.38	4,491.80
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	81,901.48	4,606.97
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	83,918.56	4,722.15
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	84,379.26	4,894.92
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	90,585.18	5,010.08
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	94,734.55	5,182.85
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	101,710.49	5,528.38
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	109,625.94	6,104.25
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	118,735.88	6,795.28
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	125,711.83	7,486.33

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,434.90	423.17
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,135.08	563.66
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,004.21	634.64
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	14,845.55	669.97
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,606.47	775.77
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	22,699.75	846.23
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	30,682.21	987.25
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	42,678.35	1,128.37
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	52,207.62	1,234.16
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	75,411.98	1,445.64
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	83,108.73	1,551.43

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	40,658.13	916.79
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	42,517.54	987.25
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	47,687.65	1,128.37
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	51,406.47	1,269.39
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	56,850.40	1,375.18
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	65,128.26	1,445.64
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	78,655.54	1,551.43

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	77,676.81	1,692.45
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	89,988.20	1,763.02
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	104,317.14	1,833.58

23 52 16 13-0025 Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)*

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	7,951.03	458.39
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	9,076.35	528.95
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	10,169.91	634.64
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	11,326.09	705.20
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	14,248.11	775.77
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	18,613.29	846.23
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	22,361.23	916.79
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	24,823.21	987.25
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	26,963.70	1,057.81
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	29,315.79	1,198.82
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	41,714.86	1,269.39
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	55,454.80	1,480.97
23 52 16 13-0038	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	18,453.42	634.64
23 52 16 13-0039	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	21,433.89	846.33
23 52 16 13-0040	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	28,081.25	952.12
23 52 16 13-0041	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	35,268.47	1,163.71
23 52 16 13-0042	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	41,686.34	1,269.50
23 52 16 13-0043	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	47,149.40	1,375.28
23 52 16 13-0044	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	56,626.21	1,481.08
23 52 16 13-0045	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	62,765.59	1,586.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0046	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	82,609.63	1,692.66
23 52 16 13-0047	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	111,057.38	2,221.61
23 52 16 13-0048		AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0049	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	65,508.04	1,445.64
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0050	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	77,956.48	1,551.43
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0051	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	112,761.11	1,727.79
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0052	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	120,295.47	1,727.79
		Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0053		Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0054	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	11,022.09	634.64
23 52 16 13-0055	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	14,254.59	705.20
23 52 16 13-0056		Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0057	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	16,189.10	811.00
23 52 16 13-0058	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	20,172.64	846.23
23 52 16 13-0059	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	24,749.31	916.79
23 52 16 13-0060	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	29,669.57	952.02
23 52 16 13-0061	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	36,272.30	1,022.58
23 52 16 13-0062		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0063	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	45,968.00	1,198.61
23 52 16 13-0064	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	47,452.28	1,375.18
23 52 16 13-0065	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	52,018.41	1,463.09
23 52 16 13-0066	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	56,584.54	1,551.43
23 52 16 13-0067	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	66,380.79	1,621.99
23 52 16 13-0068	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	73,540.48	1,692.45
23 52 16 13-0069	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	90,347.18	1,763.02
23 52 16 13-0070	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	99,821.69	1,833.47
23 52 16 13-0071	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	122,460.56	1,903.93
23 52 16 13-0072		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0073		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0072)*		
23 52 16 13-0074	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,181.69	1,445.64
23 52 16 13-0075	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	72,636.52	1,727.79
23 52 16 13-0076		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0072)*		
23 52 16 13-0077	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	24,539.09	1,022.58
23 52 16 13-0078	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	29,495.43	1,269.39
23 52 16 13-0079	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,146.20	1,551.43
23 52 16 13-0080	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	86,287.56	1,833.58
23 52 16 13-0081		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0072)*		
23 52 16 13-0082	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	35,981.68	1,339.84
23 52 16 13-0083	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	59,362.11	1,551.43
23 52 16 13-0084	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	88,248.39	1,833.58

23 52 16 16 Aluminum Condensing Boilers *(23 52 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0001		**Weil McLain Aluminum Condensing Boilers** *(23 52 16 16)* Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,989.70	458.39
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,894.56	528.95
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,136.30	634.64
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	12,503.33	705.20
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	16,287.05	811.00
23 52 16 16-0007		**Patterson Kelley Mach Series Aluminum Condensing Boilers** *(23 52 16 16)* Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	15,974.49	775.77
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	17,958.08	881.56
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	20,388.72	1,057.81
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	30,026.57	1,198.82
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	31,374.91	1,269.39
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	48,421.50	1,445.64
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	52,427.37	1,551.43
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	78,749.77	1,692.45
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	91,459.29	1,727.79
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	104,091.51	1,833.58
23 52 16 16-0018		**Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,779.82	423.17
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,873.17	493.62
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,069.38	599.41
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,923.99	669.97
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	333.16	105.79
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	434.23	105.79
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	920.52	105.79
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	11,213.17	775.77
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	13,872.33	811.00
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,951.25	952.02
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,169.89	952.02
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,269.58	1,022.58
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	30,488.23	1,022.58
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	37,514.78	1,198.82
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	45,386.50	1,269.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	46,641.96	1,339.84
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,355.40	1,339.84
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	56,961.26	1,375.18
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	57,674.71	1,375.18
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	757.65	105.79
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	16,143.49	775.77
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	18,838.71	846.23
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	23,631.96	934.35
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	27,177.44	1,022.58
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	32,533.49	1,128.37
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	35,926.80	1,234.16
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	490.28	52.90
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	266.91	52.90
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	379.69	52.90
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	798.61	52.90
23 52 16 19		**Copper Water-Tube Condensing Boilers** *(23 52 16)*		
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)* Note: Rated by gross rated output.		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	45,393.97	1,339.84
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	51,187.30	1,480.97
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	56,023.93	1,551.43
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	60,465.72	1,621.99
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)* Note: Rated by gross rated output.		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	15,948.88	669.97
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	23,365.25	846.23
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	38,472.36	987.25
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	50,503.19	1,269.39
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	87,859.40	1,480.97
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	73,481.30	1,551.43
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	122,401.03	1,692.45
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	133,931.56	1,727.79
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	16,455.89	3,113.83
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	18,028.71	3,321.42
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	19,753.01	3,529.01
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	21,354.40	3,736.59
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	22,831.06	3,944.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	24,863.54	4,151.77
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	26,427.60	4,359.36
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	27,663.02	4,566.94
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	28,893.84	4,774.54
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	30,319.71	4,982.13
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	12,232.75	460.70
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	13,599.70	460.70
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	15,581.43	575.87
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	16,975.24	575.87
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	18,709.59	691.05
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	20,552.92	691.05
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	22,372.10	806.22
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	23,863.31	921.39
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	24,890.99	921.39
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	26,570.22	1,036.57
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	17,254.57	3,113.83
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,970.17	3,321.42
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,608.24	3,529.01
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,441.46	3,736.59
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,947.80	3,944.18
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,161.23	4,151.77
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,541.52	4,359.36
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,882.96	4,566.94
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,115.19	4,774.54
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	31,579.23	4,982.13
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,031.43	460.70
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,541.16	460.70
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,436.66	575.87
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,062.30	575.87
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,826.33	691.05
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,850.61	691.05
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,486.02	806.22
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,083.24	921.39
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,112.34	921.39
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,829.73	1,036.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	26,985.38	4,670.74
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	29,859.02	4,956.18
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	33,425.40	5,241.61
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	36,563.02	5,527.04
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	39,285.83	5,812.48
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	43,249.62	6,097.91
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	45,998.50	6,383.35
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	48,425.74	6,668.78
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	51,679.55	6,954.21
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	54,288.88	7,239.65
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	58,472.89	7,525.08
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	60,953.72	7,810.52
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	63,587.51	8,095.95
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	66,526.65	8,381.38
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	68,910.67	8,666.82
23 52 23 00-0063		Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,391.89	806.22
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	25,397.06	921.39
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	29,111.87	1,036.57
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	32,367.25	1,151.74
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	34,759.06	1,151.74
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	38,858.35	1,266.92
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	41,279.85	1,266.92
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	43,838.35	1,382.10
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	46,765.92	1,382.10
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	49,506.78	1,497.26
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	52,161.36	1,612.44
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	54,315.69	1,612.44
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	57,081.95	1,727.62
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	59,692.87	1,727.62
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	62,238.58	1,842.79
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	27,969.24	4,670.74
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	30,837.23	4,956.18
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	34,658.06	5,241.61
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	37,920.07	5,527.04
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	40,504.36	5,812.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	44,391.81	6,097.91
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	47,713.20	6,383.35
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	50,140.44	6,668.78
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	53,360.32	6,954.21
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	56,692.00	7,239.65
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	60,997.58	7,525.08
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	64,327.98	7,810.52
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	66,110.79	8,095.95
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	68,973.60	8,381.38
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	71,384.47	8,666.82
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	23,375.76	806.22
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	26,375.27	921.39
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	30,330.39	1,036.57
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	33,724.30	1,151.74
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	35,980.41	1,151.74
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,000.54	1,266.92
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	42,994.55	1,266.92
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	45,553.05	1,382.10
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	48,446.69	1,382.10
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	51,916.96	1,497.26
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	54,686.05	1,612.44
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	56,276.35	1,612.44
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,605.23	1,727.62
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	62,139.81	1,727.62
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,684.11	1,842.79
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	74,696.67	9,082.00
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	81,051.53	9,600.97
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	86,847.23	10,119.94
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	92,520.20	10,638.91
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	98,246.49	11,157.89
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	105,446.20	11,676.86
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	110,836.46	12,195.82
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	116,049.12	12,714.80
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	124,591.10	13,233.77
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	129,800.73	13,752.75
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	134,257.00	14,271.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	142,498.07	14,790.68
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	147,751.83	15,309.66
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	156,184.08	15,828.63
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	161,719.60	16,347.60
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	167,784.98	16,866.57
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	172,981.89	17,385.54
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	178,330.85	17,904.51
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,632.78	1,497.26
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	74,856.71	1,612.44
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	80,518.03	1,727.62
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	86,060.57	1,842.79
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	91,191.94	1,842.79
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,601.75	1,957.97
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	101,398.09	1,957.97
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	106,478.39	2,073.13
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	114,427.06	2,073.13
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	119,505.91	2,188.31
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	123,367.87	2,188.31
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,479.04	2,303.49
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	136,138.27	2,303.49
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,464.32	2,418.66
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,379.40	2,418.66
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,310.73	2,533.84
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	159,914.82	2,533.84
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,130.80	2,649.01
23 52 23 00-0150		Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	70,478.49	9,082.00
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	76,833.35	9,600.97
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	84,582.64	10,119.94
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	89,745.30	10,638.91
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	95,123.85	11,157.89
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	101,934.82	11,676.86
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	107,588.01	12,195.82
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	112,803.49	12,714.80
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	122,354.79	13,233.77
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	127,565.83	13,752.75
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	132,775.55	14,271.71
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	142,507.97	14,790.68
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	147,761.72	15,309.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	156,421.57	15,828.63
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	161,955.67	16,347.60
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	167,899.49	16,866.57
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	173,096.39	17,385.54
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	178,453.83	17,904.51
23 52 23 00-0169		Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	64,185.60	1,497.26
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,409.53	1,612.44
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	78,024.44	1,727.62
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	83,056.67	1,842.79
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	87,840.29	1,842.79
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	92,861.36	1,957.97
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	97,920.64	1,957.97
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	103,000.93	2,073.13
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	111,961.74	2,073.13
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	117,039.18	2,188.31
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	121,657.41	2,188.31
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,259.93	2,303.49
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,919.16	2,303.49
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,444.53	2,418.66
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,386.47	2,418.66
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,196.22	2,533.84
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	159,800.32	2,533.84
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,024.78	2,649.01
23 52 23 00-0188		Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	76,022.63	9,082.00
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	82,378.90	9,600.97
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	88,536.48	10,119.94
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	94,352.22	10,638.91
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	100,046.00	11,157.89
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	106,110.59	11,676.86
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	113,043.09	12,195.82
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	118,603.49	12,714.80
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	127,367.41	13,233.77
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	132,577.04	13,752.75
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	137,132.26	14,271.71
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	145,469.46	14,790.68
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	152,136.81	15,309.66
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	161,326.76	15,828.63
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	166,819.87	16,347.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,148.18	16,866.57
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	178,346.50	17,385.54
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	183,699.70	17,904.51
23 52 23 00-0207		Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	70,061.93	1,497.26
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	76,287.27	1,612.44
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	82,314.71	1,727.62
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	87,997.20	1,842.79
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	93,096.05	1,842.79
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	97,369.33	1,957.97
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	103,707.92	1,957.97
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	109,134.54	2,073.13
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	117,307.98	2,073.13
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	122,384.00	2,188.31
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	126,346.32	2,188.31
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	134,553.62	2,303.49
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	140,627.86	2,303.49
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	149,683.33	2,418.66
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	154,584.28	2,418.66
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	160,777.12	2,533.84
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	165,382.63	2,533.84
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	170,604.26	2,649.01
23 52 33		**Water-Tube Boilers** *(23 52)*		
23 52 33 13		**Finned Water-Tube Boilers** *(23 52 33)*		
23 52 33 13-0001		Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	8,931.78	628.40
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,829.55	698.23
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,293.95	837.86
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,415.19	872.78
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	16,935.85	1,047.33
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	20,808.93	1,256.80
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	23,633.15	1,326.63
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	26,176.29	1,431.36
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	28,540.38	1,501.18
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	30,621.97	1,536.09
23 52 33 13-0012		Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,127.33	1,256.80
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	38,870.10	1,431.36
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	41,419.59	1,536.09
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	58,583.53	1,745.56
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	61,453.58	1,955.02
23 52 33 13-0018		Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)* Note: Rated by gross rated output.		
23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	13,927.25	563.87
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	16,712.82	704.57
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	17,913.05	846.33
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	18,410.78	846.33
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	22,835.87	1,057.92
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	26,488.66	1,057.92
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	28,904.95	1,057.92
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	31,125.03	1,269.50
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	36,817.83	1,481.08
		For High And Low Gas Pressure Switch With Manual Reset, Add	*521.83*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*462.27*	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	13,366.40	775.02
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	14,387.97	698.23
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,019.20	837.86
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	16,997.80	951.17
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	18,881.42	1,047.33
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	20,311.20	1,127.31
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	23,213.74	1,256.80
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	27,024.06	1,326.63
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	28,664.92	1,431.36
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	34,358.95	1,466.27
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	34,464.74	1,501.18
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	40,410.16	1,536.09

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	87,614.22	1,692.66
23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	94,161.52	2,115.83
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	197,179.92	2,327.41
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	204,569.70	2,538.99
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	208,054.93	2,856.37
23 52 33 16-0007	EA	3,750 MBH Input/3,188 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	219,138.51	3,173.74
23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	224,100.14	3,279.53

23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF100LSG)	102,287.59	1,904.25
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF150LSG)	107,355.44	2,221.61
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF200LSG)	211,641.70	2,433.20
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF250LSG)	224,730.24	2,644.79
23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF300LSG)	229,269.53	2,856.37
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF350LSG)	238,136.56	3,173.74
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF400LSG)	246,166.92	3,385.32
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF500LSG)	242,465.09	3,596.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF600LSG)	262,520.23	3,808.49
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF700LSG)	276,242.70	4,020.07
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF800LSG)	283,315.51	4,231.65
23 52 33 16-0021		Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*		
		Note: Compliant with SCAQMD.		
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	110,202.89	1,904.25
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	116,855.57	2,221.61
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	222,407.48	2,433.20
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	235,812.99	2,644.79
23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	240,352.28	2,856.37
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	247,636.69	3,173.74
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	255,977.37	3,385.32
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	251,648.25	3,596.91
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	273,288.23	3,808.49
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	281,943.67	4,020.07
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	294,083.51	4,231.65
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	327,121.00	4,443.24
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	473,676.86	4,654.82
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	497,690.78	4,866.40
23 52 36		**Fire-Box Boiler** *(23 52)*		
23 52 36 00-0001		Package Oil Fired Firebox Boilers *(23 52 36)*		
		Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.		
23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	83,797.73	2,764.18
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	87,608.50	2,994.54
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,723.78	3,224.88
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	99,189.11	3,455.23
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	103,608.91	3,685.58
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	107,952.72	3,915.93
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	120,077.64	4,146.28
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	138,952.25	4,606.97
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	158,146.72	5,067.67
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	173,497.00	5,585.95
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	188,847.44	6,104.25
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	198,534.50	7,140.81
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	241,950.24	8,177.38
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	286,431.90	9,213.95
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	331,372.38	10,365.69
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	375,280.11	11,229.50
23 52 39		**Fire-Tube Boilers** *(23 52)*		
23 52 39 13		**Scotch Marine Boilers** *(23 52 39)*		
23 52 39 13-0001		15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*		
		Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0002		15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,786.65	1,266.92
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,889.92	1,382.10
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,081.76	1,497.26
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,586.12	1,727.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,489.56	1,842.79
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,491.12	1,957.97
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,253.26	2,015.56
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,385.62	2,073.13
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,109.27	2,303.49
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,119.32	2,533.84
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,238.40	2,792.98
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,355.11	3,052.12
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	157,541.19	3,570.41
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,593.83	4,088.69
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	207,417.57	4,606.97
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,214.08	5,125.26
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	296,604.76	5,643.54
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	346,985.48	6,161.82
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	395,218.16	6,680.12
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	441,516.71	7,198.40
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	687,387.70	7,716.69
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	747,904.17	8,234.97
23 52 39 13-0025		15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	61,900.90	1,266.92
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,636.43	1,382.10
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,371.45	1,497.26
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,854.31	1,727.62
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,267.42	1,842.79
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,675.11	1,957.97
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,860.57	2,015.56
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,214.18	2,073.13
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,212.81	2,303.49
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,232.00	2,533.84
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,363.27	2,792.98
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,492.16	3,052.12
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	157,684.32	3,570.41
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,770.47	4,088.69
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	207,606.39	4,606.97
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,439.45	5,125.26
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	296,878.85	5,643.54
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	347,308.31	6,161.82
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	395,586.67	6,680.12
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	441,930.90	7,198.40
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	688,042.44	7,716.69
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	748,620.42	8,234.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,925.04	1,266.92
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,189.27	1,382.10
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,576.03	1,497.26
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,686.44	1,727.62
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,340.14	1,842.79
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,988.43	1,957.97
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,411.44	2,015.56
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,835.28	2,073.13
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,421.69	2,303.49
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,028.67	2,533.84
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,622.85	2,792.98
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,211.61	3,052.12
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,659.60	3,570.41
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,079.67	4,088.69
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,488.14	4,606.97
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	253,770.86	5,125.26
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	308,308.61	5,643.54
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	360,751.14	6,161.82
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	410,957.31	6,680.12
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	459,144.07	7,198.40
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	715,427.09	7,716.69
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	778,439.46	8,234.97
23 52 39 13-0071		**125 PSI Water Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		**125 PSI Gas Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	79,062.07	1,382.10
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,722.74	1,497.26
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,318.28	1,727.62
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,462.13	1,842.79
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,755.87	1,957.97
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,557.42	2,015.56
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,417.48	2,073.13
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,483.48	2,303.49
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,521.13	2,533.84
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	154,798.76	2,792.98
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,276.28	3,052.12
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	194,020.18	3,570.41
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	225,898.34	4,088.69
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	243,488.47	4,606.97
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	271,669.26	5,125.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	329,179.42	5,643.54
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	385,294.83	6,161.82
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	439,018.55	6,680.12
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	490,573.63	7,198.40
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	765,424.30	7,716.69
23 52 39 13-0093	EA	1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	832,883.60	8,234.97
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,239.08	1,382.10
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,168.82	1,497.26
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,080.91	1,727.62
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,542.57	1,842.79
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,995.76	1,957.97
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,223.68	2,015.56
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,585.16	2,073.13
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,608.34	2,303.49
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,655.13	2,533.84
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	154,941.89	2,792.98
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,425.51	3,052.12
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	194,199.87	3,570.41
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	226,108.48	4,088.69
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	243,713.83	4,606.97
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	271,922.04	5,125.26
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	329,487.02	5,643.54
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	385,657.24	6,161.82
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	439,432.73	6,680.12
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	491,036.54	7,198.40
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	766,158.13	7,716.69
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	833,683.35	8,234.97
23 52 39 13-0116		125 PSI Gas/Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,608.11	1,382.10
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,585.51	1,497.26
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,988.11	1,727.62
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,934.00	1,842.79
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,874.47	1,957.97
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,589.67	2,015.56
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,305.68	2,073.13
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	138,791.78	2,303.49
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,301.48	2,533.84
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,932.39	2,792.98
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	166,601.78	3,052.12
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	201,697.89	3,570.41

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	234,849.07	4,088.69
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,100.07	4,606.97
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	282,398.56	5,125.26
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	342,278.12	5,643.54
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	400,698.97	6,161.82
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	456,630.67	6,680.12
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	510,296.29	7,198.40
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	796,798.89	7,716.69
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	867,044.11	8,234.97
23 52 39 13-0138		**150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		**150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,798.35	1,382.10
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,707.86	1,497.26
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,988.82	1,727.62
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,924.68	1,842.79
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,989.12	1,957.97
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,512.63	2,015.56
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,115.97	2,073.13
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,381.54	2,303.49
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,612.65	2,533.84
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,057.42	2,792.98
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,499.82	3,052.12
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,519.28	3,570.41
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,168.30	4,088.69
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	264,093.16	4,606.97
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	311,333.86	5,125.26
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	378,824.12	5,643.54
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	443,677.06	6,161.82
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	505,769.81	6,680.12
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	565,334.56	7,198.40
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	884,348.93	7,716.69
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	962,371.89	8,234.97
23 52 39 13-0161		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,967.30	1,382.10
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,285.97	1,497.26
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,434.72	1,727.62
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,737.12	1,842.79
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,031.04	1,957.97
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,099.71	2,015.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,289.75	2,073.13
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,512.49	2,303.49
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,761.88	2,533.84
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,221.88	2,792.98
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,679.50	3,052.12
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,705.06	3,570.41
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,396.71	4,088.69
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	264,339.84	4,606.97
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	311,626.22	5,125.26
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,180.44	5,643.54
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	444,097.34	6,161.82
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	506,247.96	6,680.12
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	565,870.57	7,198.40
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	885,201.40	7,716.69
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	963,303.46	8,234.97
23 52 39 13-0183		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,785.99	1,382.10
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,951.31	1,497.26
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,018.01	1,727.62
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,631.05	1,842.79
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,235.62	1,957.97
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,617.97	2,015.56
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,998.09	2,073.13
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,985.26	2,303.49
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	165,996.02	2,533.84
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,055.98	2,792.98
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	198,116.61	3,052.12
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,474.13	3,570.41
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	253,898.67	4,088.69
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	274,584.90	4,606.97
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	323,756.45	5,125.26
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	394,042.48	5,643.54
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	461,572.42	6,161.82
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	526,229.48	6,680.12
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	588,248.90	7,198.40
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	920,798.82	7,716.69
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,002,064.70	8,234.97

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0001		Boiler Feed System *(23 53 16)*		
23 53 16 00-0002		Low Pressure Boiler Feed System *(23 53 16 00-0001)*		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	6,848.38	1,322.10
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,395.16	1,557.57
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,943.05	1,612.13
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,196.89	1,671.29
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,674.00	1,786.16
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	13,864.55	1,935.48
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	15,641.89	2,067.58
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	17,931.58	2,354.74
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	19,732.02	2,527.04
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,258.95	2,699.34
23 53 16 00-0013		High Pressure Boiler Feed System *(23 53 16 00-0001)*		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	9,496.64	1,127.17
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	9,896.25	1,322.10
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,013.68	1,557.57
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,902.40	1,612.13
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,110.50	1,671.29
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	14,615.90	1,786.16
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	19,015.54	1,935.48
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	19,506.95	2,067.58
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	21,458.36	2,214.15
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	23,091.23	2,354.74
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	24,701.93	2,527.04
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	26,649.16	2,699.34
23 53 16 00-0026		Boiler Feedwater System *(23 53 16)*		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	11,866.85	1,557.57
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	15,472.65	1,784.44
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	20,423.70	2,042.31
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	24,570.40	2,355.89
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	26,076.47	2,527.04
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	27,509.10	2,699.34
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	30,624.55	3,101.49
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	39,612.29	3,561.06
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	51,435.42	4,114.72
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	65,124.29	4,723.27
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	83,475.50	5,434.28
23 53 16 00-0038		Duplex Vacuum Condensate Pumps *(23 53 16)*		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	33,065.63	918.92
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	33,807.33	976.36
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	34,663.00	1,033.79
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	33,460.15	1,091.22
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	45,491.94	1,148.66
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	47,886.20	1,206.09

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,196.05	112.54
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,579.97	140.68
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,043.80	168.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,196.05	112.54
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,430.46	126.61
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,563.32	140.68
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,636.24	154.76
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,043.80	168.82
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	216.38	31.21
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	247.18	34.33
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	267.98	37.45
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	363.72	40.57
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	392.84	43.69
23 54 16		**Fuel-Fired Furnaces** *(23 54)*		
23 54 16 13		**Gas-Fired Furnaces** *(23 54 16)*		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,879.00	98.47
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,001.86	112.54
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,309.53	126.61
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,700.11	154.76
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,881.25	168.82
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,092.09	98.47
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,291.55	112.54
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,430.68	126.61
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,061.67	140.68
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,868.26	154.76
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,024.43	168.82
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,842.29	98.47
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,115.01	112.54
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,294.14	140.68
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,450.31	154.76
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,418.41	98.47
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,547.95	112.54
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,837.30	126.61
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,099.68	154.76
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,322.44	168.82
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,675.87	98.47
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,767.11	112.54
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,971.56	126.61
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,988.20	126.61
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,169.34	140.68
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,287.21	154.76
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,425.06	168.82
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,164.74	98.47
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,274.30	112.54
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,457.10	126.61
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,458.77	126.61
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,601.61	140.68
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,644.56	154.76
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,827.36	168.82
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,181.39	98.47
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,279.29	112.54
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,532.02	126.61
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,686.52	140.68
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,004.12	84.41
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,313.28	105.56
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,812.66	84.41
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	1,937.35	91.50
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	1,920.54	98.47
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	1,978.72	105.56
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,048.77	105.56
23 54 16 13-0055		Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,780.19	219.47
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,089.09	270.11
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,481.54	388.28
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,926.47	438.92
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,578.08	506.46
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,015.38	607.75
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,685.94	810.33
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,121.96	219.47
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,425.75	270.11
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,944.03	388.28
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,472.27	438.92
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,520.06	506.46
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,037.28	607.75
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,651.71	810.33

23 54 16 16 Oil-Fired Furnaces *(23 54 16)*

23 54 16 16-0001 Oil Fired Forced Air Furnaces *(23 54 16 16)*
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,233.89	112.54
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,439.32	154.76
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,969.75	182.89
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,749.00	154.76
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,781.62	182.89
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,242.87	154.76
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,849.88	182.89
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	202.84	28.14
23 54 19 00-0002	EA	1" Furnace External Filter Rack	62.24	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	521.04	
23 55		**Fuel-Fired Heaters** *(23 50)*		
23 55 23		**Gas-Fired Radiant Heaters** *(23 55)*		
23 55 23 13		**Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)*		
23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)* Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	960.01	114.87
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,061.22	126.35
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,134.63	126.35
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,422.73	151.63
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,435.10	151.63
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,075.69	123.80
		For Stainless Steel Housing, Add	*175.14*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,151.14	123.80
		For Stainless Steel Housing, Add	*194.00*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,237.36	123.80
		For Stainless Steel Housing, Add	*215.55*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,341.01	123.80
		For Stainless Steel Housing, Add	*241.47*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,464.55	135.05
		For Stainless Steel Housing, Add	*269.06*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,564.58	146.30
		For Stainless Steel Housing, Add	*289.76*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,520.33	157.57
		For Stainless Steel Housing, Add	*517.43*	
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	94.94	5.74
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	109.48	6.89
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	133.99	8.04
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	77.10	4.59
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	98.27	5.74
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	119.43	6.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 00-0001		Oil-Fired Unit Heaters *(23 55 33)*		
23 55 33 00-0002		Oil Fired Unit Heater *(23 55 33 00-0001)*		
23 55 33 00-0003		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt *(23 55 33 00-0002)*		
23 55 33 00-0004	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,381.65	528.95
23 55 33 00-0005	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,989.54	581.85
23 55 33 00-0006	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	9,654.67	634.75
23 55 33 00-0007		Gas-Fired Unit Heaters *(23 55 33)*		
23 55 33 00-0008		Removal And Reinstallation Of Unit Heaters *(23 55 33 00-0007)*		
		Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0009	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	660.47	
23 55 33 00-0010	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	890.21	
23 55 33 00-0011		Gas Fired Unit Heaters *(23 55 33 00-0007)*		
23 55 33 00-0012		Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt *(23 55 33 00-0011)*		
23 55 33 00-0013	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,089.32	198.36
23 55 33 00-0014	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,284.98	238.03
23 55 33 00-0015	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,320.43	238.03
23 55 33 00-0016	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,533.17	277.70
23 55 33 00-0017	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,785.57	317.38
23 55 33 00-0018	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,989.79	337.21
23 55 33 00-0019	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,079.19	337.21
23 55 33 00-0020	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,002.58	337.21
23 55 33 00-0021	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,574.28	357.05
23 55 33 00-0022	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,923.30	357.05
23 55 33 00-0023	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,212.73	357.05
23 55 33 00-0024	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,038.49	396.72
23 55 33 00-0025	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,693.97	396.72
23 55 33 00-0026	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,108.07	436.39
23 57		**Heat Exchangers for HVAC** *(23 50)*		
23 57 13		**Steam-To-Steam Heat Exchangers** *(23 57)*		
23 57 13 00-0001		Steam Generator Heat Exchanger *(23 57 13)*		
		Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI	21,857.72	1,837.85
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI	29,575.57	1,952.71
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI	39,934.77	2,437.63
23 57 16		**Steam-To-Water Heat Exchangers** *(23 57)*		
23 57 16 00-0001		Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*		
		Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,547.87	287.17
		For Bronze Head And Tube Sheet, Add	*974.24*	
		For Copper Nickel Tubes, Add	*216.50*	
		For Double Wall Tube Bundles, Add	*324.75*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,737.87	287.17
		For Bronze Head And Tube Sheet, Add	*1,475.28*	
		For Copper Nickel Tubes, Add	*327.84*	
		For Double Wall Tube Bundles, Add	*491.76*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,646.56	402.03
		For Bronze Head And Tube Sheet, Add	*2,282.51*	
		For Copper Nickel Tubes, Add	*507.22*	
		For Double Wall Tube Bundles, Add	*760.84*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	8,880.74	402.03
		For Bronze Head And Tube Sheet, Add	*3,479.44*	
		For Copper Nickel Tubes, Add	*773.21*	
		For Double Wall Tube Bundles, Add	*1,159.81*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,704.01	473.25
		For Bronze Head And Tube Sheet, Add	*4,620.69*	
		For Copper Nickel Tubes, Add	*1,026.82*	
		For Double Wall Tube Bundles, Add	*1,540.23*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,403.45	604.31
		For Bronze Head And Tube Sheet, Add	*6,068.13*	
		For Copper Nickel Tubes, Add	*1,348.47*	
		For Double Wall Tube Bundles, Add	*2,022.71*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,010.04	907.03
		For Bronze Head And Tube Sheet, Add	*7,432.07*	
		For Copper Nickel Tubes, Add	*1,651.57*	
		For Double Wall Tube Bundles, Add	*2,477.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	28,850.27	907.03
		For Bronze Head And Tube Sheet, Add	*11,579.56*	
		For Copper Nickel Tubes, Add	*2,573.24*	
		For Double Wall Tube Bundles, Add	*3,859.85*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,020.46	287.17
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,365.30	287.17
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,161.16	344.60
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	9,740.24	373.32
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	10,664.81	373.32
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	13,916.30	402.03
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	14,672.77	402.03
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,149.63	459.47
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	22,214.87	516.89
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,055.40	516.89
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	28,564.14	612.25
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	34,488.29	673.35
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	39,823.93	734.46

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,042.72	287.17
		For Copper Nickel Tubes, Add	*265.98*	
		For Double Wall Tube Bundles, Add	*398.97*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,232.72	287.17
		For Copper Nickel Tubes, Add	*377.33*	
		For Double Wall Tube Bundles, Add	*565.99*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,326.99	402.03
		For Copper Nickel Tubes, Add	*575.27*	
		For Double Wall Tube Bundles, Add	*862.90*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,054.56	402.03
		For Copper Nickel Tubes, Add	*828.88*	
		For Double Wall Tube Bundles, Add	*1,243.32*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,205.17	459.47
		For Copper Nickel Tubes, Add	*1,020.63*	
		For Double Wall Tube Bundles, Add	*1,530.95*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	14,941.28	459.47
		For Copper Nickel Tubes, Add	*1,373.22*	
		For Double Wall Tube Bundles, Add	*2,059.83*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	18,539.68	453.51
		For Copper Nickel Tubes, Add	*1,707.24*	
		For Double Wall Tube Bundles, Add	*2,560.86*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,060.34	453.51
		For Copper Nickel Tubes, Add	*2,127.87*	
		For Double Wall Tube Bundles, Add	*3,191.80*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	29,484.48	453.51
		For Copper Nickel Tubes, Add	*2,721.69*	
		For Double Wall Tube Bundles, Add	*4,082.54*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,436.87	229.73
		For Copper Nickel Tubes, Add	*297.74*	
		For Double Wall Tube Bundles, Add	*446.61*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,186.35	382.85
		For Copper Nickel Tubes, Add	*842.06*	
		For Double Wall Tube Bundles, Add	*1,263.09*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,380.59	499.44
		For Copper Nickel Tubes, Add	*1,138.35*	
		For Double Wall Tube Bundles, Add	*1,707.52*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,272.27	604.53
		For Copper Nickel Tubes, Add	*1,206.57*	
		For Double Wall Tube Bundles, Add	*1,809.86*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,021.43	720.29
		For Copper Nickel Tubes, Add	*1,455.76*	
		For Double Wall Tube Bundles, Add	*2,183.64*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	716.32	108.89
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	853.84	108.89
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,160.42	136.07
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,444.06	136.07
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	1,615.96	136.07
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,636.87	141.57
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,646.90	141.57
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,809.08	152.46
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,945.47	163.35
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,121.94	174.24
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	2,417.04	174.24
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,713.86	185.12
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	2,770.05	196.02
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,815.29	201.42
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	4,090.09	1,054.38
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	6,225.73	1,204.95
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	8,361.54	1,355.63
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	11,098.09	1,468.50
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	13,834.97	1,581.58
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	16,601.97	1,897.89
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	20,015.41	2,039.86
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	23,293.69	2,156.70
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	30,584.99	2,433.22
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	36,124.75	2,497.03
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	45,292.72	2,560.74
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	47,582.31	2,592.70
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	49,775.61	2,624.55
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	53,880.40	2,688.27
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	57,605.84	2,752.18
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	61,727.17	3,185.60
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	64,698.13	3,256.90
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	67,245.78	3,298.36
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	69,503.30	3,400.41
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	71,334.81	3,471.70
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	73,201.31	3,566.83
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	74,981.57	3,605.19
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	76,795.02	3,664.85
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	78,903.42	3,912.02
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	80,952.92	4,122.90

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,085.05	108.89
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,121.96	108.89
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,213.32	136.07
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,250.21	136.07
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,268.66	136.07
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,309.07	141.57
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,349.67	141.57
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,448.94	152.46
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,544.55	163.35
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,677.02	174.24
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,750.84	174.24
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,883.31	185.12
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,237.26	196.02
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,451.10	201.42

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,077.10	542.25
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,866.82	677.81
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	9,806.74	825.18
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,495.58	948.94
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,799.96	1,054.38
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,299.54	1,186.18
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,794.65	1,355.63
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	25,471.73	1,355.63
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	31,463.05	1,581.58
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	35,424.63	1,694.55
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,429.53	1,775.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,477.47	1,863.59
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,571.42	1,870.81
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,567.33	1,958.85
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,583.57	2,039.86

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,448.32	174.04
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,518.34	185.23
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,554.96	195.92
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,585.20	201.52
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,963.49	254.43
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,748.17	381.66
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,287.75	445.26
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	4,803.03	508.87
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	5,805.09	610.64
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	6,847.75	686.97
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,035.73	763.31
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	11,330.31	1,017.74
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	12,762.25	1,272.17
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	13,630.41	1,526.61

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	44,946.81	2,592.70
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	46,318.47	2,624.55
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	49,292.57	2,688.27
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	52,235.31	2,752.18
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	56,457.25	3,185.60
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	59,909.91	3,256.90
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	63,287.20	3,298.36
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	66,783.76	3,400.41
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	70,239.44	3,471.70
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	75,099.52	3,566.83
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	78,501.68	3,605.19
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	80,085.54	3,664.85
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	89,899.93	3,912.02
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	99,581.03	4,122.90

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,275.22	940.39
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	16,207.25	1,007.56
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	28,508.43	1,074.73
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	33,779.44	1,141.91
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	40,084.30	1,209.08
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	44,423.24	1,343.42
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	45,756.73	1,541.18
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	49,313.86	1,824.05
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	52,618.72	1,976.06
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	60,309.91	2,128.07
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	68,185.29	2,356.07
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	72,068.08	2,449.87
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	81,372.40	2,602.98
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	88,944.28	2,756.10

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	6,941.35	940.39
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	14,306.94	1,007.56
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	22,360.67	1,074.73
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	24,151.74	1,141.91
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,942.82	1,209.08
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	30,753.54	1,343.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	34,892.49	1,541.18
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	44,842.58	1,824.05
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	50,294.35	1,976.06
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	54,440.81	2,128.07
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	62,601.00	2,356.07
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,306.67	2,449.87
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	72,737.50	2,602.98
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	82,951.70	2,756.10
23 62 13 00-0031		Packaged Chiller With Remote Air Cooled Condenser *(23 62 13)*		
		Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.		
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	38,002.42	8,862.55
		For Gas Fired Engine Driven, Add	*6,271.77*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	42,660.75	9,341.60
		For Gas Fired Engine Driven, Add	*7,131.62*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	49,269.42	10,165.77
		For Gas Fired Engine Driven, Add	*8,329.77*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	54,878.49	10,801.19
		For Gas Fired Engine Driven, Add	*9,356.33*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	68,015.86	11,918.54
		For Gas Fired Engine Driven, Add	*11,816.29*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	74,743.32	12,344.15
		For Gas Fired Engine Driven, Add	*13,097.96*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	81,181.64	13,293.72
		For Gas Fired Engine Driven, Add	*14,243.26*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	98,065.72	14,223.83
		For Gas Fired Engine Driven, Add	*17,453.99*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	99,208.69	14,506.85
		For Gas Fired Engine Driven, Add	*17,666.79*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	101,139.34	15,137.64
		For Gas Fired Engine Driven, Add	*17,958.36*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	111,881.95	15,825.74
		For Gas Fired Engine Driven, Add	*20,003.72*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	123,459.08	16,579.38
		For Gas Fired Engine Driven, Add	*22,206.16*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	136,542.17	17,408.30
		For Gas Fired Engine Driven, Add	*24,698.50*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	147,467.63	18,324.55
		For Gas Fired Engine Driven, Add	*26,746.22*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	162,426.14	19,342.55
		For Gas Fired Engine Driven, Add	*29,585.30*	
23 62 23		**Packaged Water-Cooled Refrigerant Compressor and Condenser Units** *(23 62)*		
23 62 23 00-0001		Water Cooled Condensing Units *(23 62 23)*		
		Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,105.97	735.25
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,300.14	1,073.78
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,091.86	1,163.71
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	17,480.67	1,396.44
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,864.93	1,642.94
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	40,163.28	2,465.88
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	49,856.17	2,976.10
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	69,054.39	3,256.32
23 63		**Refrigerant Condensers** *(23 60)*		
23 63 13		**Air-Cooled Refrigerant Condensers** *(23 63)*		
23 63 13 00-0001		Air Cooled Condensing Units *(23 63 13)*		
		Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,090.48	735.25
		For >10 To 25, Deduct	*-179.31*	
		For >25 To 50, Deduct	*-298.84*	
		For >50, Deduct	*-478.15*	
		For Low Ambient Protection, 0 Degree F, Add	*1,055.39*	
		For Winter Start Control, Add	*350.43*	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,494.65	872.78
		For >10 To 25, Deduct	*-215.17*	
		For >25 To 50, Deduct	*-358.61*	
		For >50, Deduct	*-573.78*	
		For Low Ambient Protection, 0 Degree F, Add	*904.38*	
		For Winter Start Control, Add	*275.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,062.22	1,073.78
		For >10 To 25, Deduct	*-283.04*	
		For >25 To 50, Deduct	*-471.73*	
		For >50, Deduct	*-754.77*	
		For Low Ambient Protection, 0 Degree F, Add	*1,067.32*	
		For Winter Start Control, Add	*351.45*	
23 63 13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	13,750.73	1,117.16
		For >10 To 25, Deduct	*-361.74*	
		For >25 To 50, Deduct	*-602.90*	
		For >50, Deduct	*-964.65*	
		For Low Ambient Protection, 0 Degree F, Add	*1,267.23*	
		For Winter Start Control, Add	*410.43*	
23 63 13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	16,444.67	1,163.71
		For >10 To 25, Deduct	*-440.44*	
		For >25 To 50, Deduct	*-734.07*	
		For >50, Deduct	*-1,174.52*	
		For Low Ambient Protection, 0 Degree F, Add	*1,321.69*	
		For Winter Start Control, Add	*328.13*	
23 63 13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,225.82	1,396.44
		For >10 To 25, Deduct	*-573.30*	
		For >25 To 50, Deduct	*-955.50*	
		For >50, Deduct	*-1,528.80*	
		For Low Ambient Protection, 0 Degree F, Add	*1,675.56*	
		For Winter Start Control, Add	*402.68*	
23 63 13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	24,175.98	1,502.24
		For >10 To 25, Deduct	*-657.06*	
		For >25 To 50, Deduct	*-1,095.09*	
		For >50, Deduct	*-1,752.15*	
		For Low Ambient Protection, 0 Degree F, Add	*1,773.13*	
		For Winter Start Control, Add	*446.43*	
23 63 13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	27,752.43	1,639.77
		For >10 To 25, Deduct	*-758.14*	
		For >25 To 50, Deduct	*-1,263.57*	
		For >50, Deduct	*-2,021.71*	
		For Low Ambient Protection, 0 Degree F, Add	*1,883.83*	
		For Winter Start Control, Add	*500.82*	
23 63 13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	38,284.65	1,961.50
		For >10 To 25, Deduct	*-1,057.79*	
		For >25 To 50, Deduct	*-1,762.98*	
		For >50, Deduct	*-2,820.77*	
		For Low Ambient Protection, 0 Degree F, Add	*2,519.24*	
		For Winter Start Control, Add	*655.10*	
23 63 13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	46,463.43	2,465.88
		For >10 To 25, Deduct	*-1,279.82*	
		For >25 To 50, Deduct	*-2,133.03*	
		For >50, Deduct	*-3,412.84*	
		For Low Ambient Protection, 0 Degree F, Add	*2,657.15*	
		For Winter Start Control, Add	*593.59*	
23 63 13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	53,589.48	2,721.57
		For >10 To 25, Deduct	*-1,485.09*	
		For >25 To 50, Deduct	*-2,475.15*	
		For >50, Deduct	*-3,960.24*	
		For Low Ambient Protection, 0 Degree F, Add	*3,001.73*	
		For Winter Start Control, Add	*656.16*	
23 63 13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	69,573.31	2,976.10
		For >10 To 25, Deduct	*-1,949.51*	
		For >25 To 50, Deduct	*-3,249.18*	
		For >50, Deduct	*-5,198.69*	
		For Low Ambient Protection, 0 Degree F, Add	*3,746.77*	
		For Winter Start Control, Add	*783.89*	
23 63 13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	96,191.34	2,679.66
		For >10 To 25, Deduct	*-2,722.09*	
		For >25 To 50, Deduct	*-4,536.82*	
		For >50, Deduct	*-7,258.91*	
		For Low Ambient Protection, 0 Degree F, Add	*4,085.84*	
		For Winter Start Control, Add	*999.18*	
23 63 13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	118,759.49	2,770.50
		For >10 To 25, Deduct	*-3,393.59*	
		For >25 To 50, Deduct	*-5,655.98*	
		For >50, Deduct	*-9,049.57*	
		For Low Ambient Protection, 0 Degree F, Add	*4,803.56*	

23 63 13 00-0016 Air Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,250.13	365.91
		For >10 To 25, Deduct	*-51.04*	
		For >25 To 50, Deduct	*-85.06*	
		For >50, Deduct	*-136.10*	
		For 15 SEER, Add	*408.30*	
		For 16 SEER, Add	*697.52*	
		For 18 SEER, Add	*1,463.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air Cooled Condensing Unit	2,419.50	406.76
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-54.29*	
		For >25 To 50, Deduct	*-90.48*	
		For >50, Deduct	*-144.77*	
		For 15 SEER, Add	*434.32*	
		For 16 SEER, Add	*741.96*	
		For 18 SEER, Add	*1,556.31*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air Cooled Condensing Unit	2,566.84	447.44
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-56.88*	
		For >25 To 50, Deduct	*-94.80*	
		For >50, Deduct	*-151.68*	
		For 15 SEER, Add	*455.04*	
		For 16 SEER, Add	*777.36*	
		For 18 SEER, Add	*1,630.57*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air Cooled Condensing Unit	2,949.33	487.87
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-66.53*	
		For >25 To 50, Deduct	*-110.88*	
		For >50, Deduct	*-177.40*	
		For 15 SEER, Add	*532.20*	
		For 16 SEER, Add	*909.18*	
		For 18 SEER, Add	*1,907.07*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air Cooled Condensing Unit	3,122.39	528.79
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-69.89*	
		For >25 To 50, Deduct	*-116.48*	
		For >50, Deduct	*-186.37*	
		For 15 SEER, Add	*559.10*	
		For 16 SEER, Add	*955.14*	
		For 18 SEER, Add	*2,003.46*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air Cooled Condensing Unit	3,481.00	569.47
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-78.82*	
		For >25 To 50, Deduct	*-131.36*	
		For >50, Deduct	*-210.18*	
		For 15 SEER, Add	*630.53*	
		For 16 SEER, Add	*1,077.16*	
		For 18 SEER, Add	*2,259.41*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air Cooled Condensing Unit	3,930.47	609.84
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-90.47*	
		For >25 To 50, Deduct	*-150.79*	
		For >50, Deduct	*-241.26*	
		For 15 SEER, Add	*723.77*	
		For 16 SEER, Add	*1,236.44*	
		For 18 SEER, Add	*2,593.51*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	375.15
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit	1,406.82
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit	2,222.51

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	208,599.21	12,091.28
		For Two Stage Unit, Add	*136,346.43*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	263,327.46	13,919.67
		For Two Stage Unit, Add	*173,193.48*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	333,691.52	14,963.65
		For Two Stage Unit, Add	*221,613.14*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	370,614.81	16,007.63
		For Two Stage Unit, Add	*246,624.27*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	413,809.69	16,471.61
		For Two Stage Unit, Add	*276,489.49*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	466,061.49	17,051.60
		For Two Stage Unit, Add	*312,601.76*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	499,734.46	17,631.59
		For Two Stage Unit, Add	*335,708.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	594,484.67	18,559.57
		For Two Stage Unit, Add	*401,291.62*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	665,315.35	19,139.55
		For Two Stage Unit, Add	*450,409.10*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	805,816.70	19,719.54
		For Two Stage Unit, Add	*548,296.05*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	873,626.60	21,111.50
		For Two Stage Unit, Add	*594,649.42*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	936,559.82	22,387.48
		For Two Stage Unit, Add	*637,681.89*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,004,853.17	24,021.17
		For Two Stage Unit, Add	*684,180.29*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,150,128.22	24,607.04
		For Two Stage Unit, Add	*785,357.24*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,259,651.65	26,013.17
		For Two Stage Unit, Add	*860,945.63*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,471,007.29	27,184.93
		For Two Stage Unit, Add	*1,007,957.15*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,719,281.97	28,005.17
		For Two Stage Unit, Add	*1,181,093.25*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 13-0001 Magnetic Bearing, Air Cooled Centrifugal Chillers *(23 64 16 13)*

Note: SMARDT air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller	239,137.20	6,424.49
		For 5 Year Parts Only Compressor Warranty, Add	*6,649.50*	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller	339,424.24	8,618.02
		For 5 Year Parts Only Compressor Warranty, Add	*13,299.00*	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller	424,490.66	9,114.26
		For 5 Year Parts Only Compressor Warranty, Add	*19,948.50*	

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	158,959.23	6,618.22
		For 208/230 Voltage Motor Rating, Add	*5,933.12*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	173,772.26	6,785.84
		For 208/230 Voltage Motor Rating, Add	*6,514.74*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	191,676.13	6,958.33
		For 208/230 Voltage Motor Rating, Add	*7,219.95*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	209,148.32	7,237.30
		For 208/230 Voltage Motor Rating, Add	*7,900.91*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	226,222.75	7,645.96
		For 208/230 Voltage Motor Rating, Add	*8,557.63*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	242,672.96	8,043.49
		For 208/230 Voltage Motor Rating, Add	*9,190.10*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	258,585.25	8,484.51
		For 208/230 Voltage Motor Rating, Add	*9,798.25*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	273,856.85	8,902.91
		For 208/230 Voltage Motor Rating, Add	*10,382.23*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	288,461.32	9,284.43
		For 208/230 Voltage Motor Rating, Add	*10,941.90*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	302,330.67	9,585.67
		For 208/230 Voltage Motor Rating, Add	*11,477.31*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	315,872.69	10,060.56
		For 208/230 Voltage Motor Rating, Add	*11,988.48*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	328,669.36	10,448.69
		For 208/230 Voltage Motor Rating, Add	*12,475.41*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	340,851.76	10,831.83
		For 208/230 Voltage Motor Rating, Add	*12,938.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	352,289.31	11,128.55
		For 208/230 Voltage Motor Rating, Add	*13,376.52*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	373,024.65	11,523.17
		For 208/230 Voltage Motor Rating, Add	*14,180.58*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	391,103.89	11,773.72
		For 208/230 Voltage Motor Rating, Add	*14,887.65*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	407,289.22	12,355.69
		For 208/230 Voltage Motor Rating, Add	*15,497.67*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	421,064.00	12,946.46
		For 208/230 Voltage Motor Rating, Add	*16,010.71*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	432,513.06	13,596.39
		For 208/230 Voltage Motor Rating, Add	*16,426.90*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	459,410.45	14,252.35
		For 208/230 Voltage Motor Rating, Add	*17,460.65*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	486,117.82	14,906.23
		For 208/230 Voltage Motor Rating, Add	*18,486.94*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	512,736.06	15,622.86
		For 208/230 Voltage Motor Rating, Add	*19,505.62*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	539,278.71	16,411.88
		For 208/230 Voltage Motor Rating, Add	*20,516.63*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	565,600.56	17,368.12
		For 208/230 Voltage Motor Rating, Add	*21,519.96*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	613,652.62	20,040.22
		For 208/230 Voltage Motor Rating, Add	*23,272.19*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	659,902.18	22,719.92
		For 208/230 Voltage Motor Rating, Add	*24,951.82*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	703,524.25	24,890.62
		For 208/230 Voltage Motor Rating, Add	*26,558.72*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	744,002.04	26,227.13
		For 208/230 Voltage Motor Rating, Add	*28,092.87*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	782,586.83	27,519.94
		For 208/230 Voltage Motor Rating, Add	*29,554.08*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	818,584.13	28,317.67
		For 208/230 Voltage Motor Rating, Add	*30,943.26*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	854,629.65	30,293.27
		For 208/230 Voltage Motor Rating, Add	*32,259.50*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	888,065.44	31,770.99
		For 208/230 Voltage Motor Rating, Add	*33,502.99*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	920,381.23	33,688.23
		For 208/230 Voltage Motor Rating, Add	*34,673.75*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	949,747.36	34,891.39
		For 208/230 Voltage Motor Rating, Add	*35,771.91*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,011,440.04	36,866.40
		For 208/230 Voltage Motor Rating, Add	*38,199.29*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,066,413.14	39,078.34
		For 208/230 Voltage Motor Rating, Add	*40,172.39*	

23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	150,562.45	5,567.87
		For 5 Year Parts Only Compressor Warranty, Add	*6,649.50*	
		For Marine Water Box Connections, Add	*4,457.88*	
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	189,589.08	6,471.48
		For 5 Year Parts Only Compressor Warranty, Add	*6,649.50*	
		For Marine Water Box Connections, Add	*4,457.88*	
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	237,472.15	6,618.22
		For 5 Year Parts Only Compressor Warranty, Add	*13,299.00*	
		For Marine Water Box Connections, Add	*4,457.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	309,273.12	7,645.96
		For 5 Year Parts Only Compressor Warranty, Add	*13,299.00*	
		For Marine Water Box Connections, Add	*4,457.88*	
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	311,668.74	7,237.30
		For 5 Year Parts Only Compressor Warranty, Add	*19,948.50*	
		For Marine Water Box Connections, Add	*4,457.88*	
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	467,608.20	9,585.67
		For 5 Year Parts Only Compressor Warranty, Add	*19,948.50*	
		For Marine Water Box Connections, Add	*4,457.88*	
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	414,272.89	8,902.91
		For 5 Year Parts Only Compressor Warranty, Add	*24,381.50*	
		For Marine Water Box Connections, Add	*6,209.19*	
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	575,620.84	11,523.17
		For 5 Year Parts Only Compressor Warranty, Add	*24,381.50*	
		For Marine Water Box Connections, Add	*6,209.19*	
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	515,633.38	10,060.56
		For 5 Year Parts Only Compressor Warranty, Add	*28,814.50*	
		For Marine Water Box Connections, Add	*6,209.19*	
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	690,152.51	12,355.69
		For 5 Year Parts Only Compressor Warranty, Add	*28,814.50*	
		For Marine Water Box Connections, Add	*6,209.19*	
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	613,990.68	11,128.55
		For 5 Year Parts Only Compressor Warranty, Add	*33,247.50*	
		For Marine Water Box Connections, Add	*6,527.61*	
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	791,088.77	14,252.35
		For 5 Year Parts Only Compressor Warranty, Add	*33,247.50*	
		For Marine Water Box Connections, Add	*6,527.61*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air Cooled Scroll Water Chiller	25,791.80	1,673.82
23 64 23 13-0003	EA	15 Ton Packaged Air Cooled Scroll Water Chiller	37,759.58	1,695.27
23 64 23 13-0004	EA	18 Ton Packaged Air Cooled Scroll Water Chiller	41,207.66	1,813.30
23 64 23 13-0005	EA	22 Ton Packaged Air Cooled Scroll Water Chiller	45,331.95	1,942.05
23 64 23 13-0006	EA	25 Ton Packaged Air Cooled Scroll Water Chiller	46,076.51	2,070.82
23 64 23 13-0007	EA	30 Ton Packaged Air Cooled Scroll Water Chiller	48,621.60	2,221.03
23 64 23 13-0008	EA	40 Ton Packaged Air Cooled Scroll Water Chiller	55,587.57	2,403.43
23 64 23 13-0009	EA	45 Ton Packaged Air Cooled Scroll Water Chiller	59,698.53	2,607.29
23 64 23 13-0010	EA	50 Ton Packaged Air Cooled Scroll Water Chiller	63,036.47	2,682.40
23 64 23 13-0011	EA	55 Ton Packaged Air Cooled Scroll Water Chiller	65,837.46	2,800.42
23 64 23 13-0012	EA	60 Ton Packaged Air Cooled Scroll Water Chiller	68,048.92	2,896.99
23 64 23 13-0013	EA	70 Ton Packaged Air Cooled Scroll Water Chiller	78,503.37	3,261.80
23 64 23 13-0014	EA	80 Ton Packaged Air Cooled Scroll Water Chiller	84,505.60	3,572.95
23 64 23 13-0015	EA	90 Ton Packaged Air Cooled Scroll Water Chiller	86,041.94	3,583.69
23 64 23 13-0016	EA	100 Ton Packaged Air Cooled Scroll Water Chiller	91,027.88	3,594.41
23 64 23 13-0017	EA	110 Ton Packaged Air Cooled Scroll Water Chiller	95,881.64	3,605.14
23 64 23 13-0018	EA	120 Ton Packaged Air Cooled Scroll Water Chiller	100,795.75	3,615.87
23 64 23 13-0019	EA	130 Ton Packaged Air Cooled Scroll Water Chiller	105,962.58	3,626.60

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	28,111.20	2,129.21
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	32,274.28	2,193.53
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	35,797.36	2,408.05
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	44,081.78	3,086.04
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	48,756.47	3,381.99
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	51,286.89	3,736.67

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0001		**Packaged Air Cooled Rotary-Screw Water Chillers** *(23 64 26 13)* Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.		
23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	106,895.13	4,109.43
		For Aluminum Fins Instead Of Copper, Deduct	*-1,511.05*	
		For 208/230 Voltage Motor Rating, Add	*4,029.45*	
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	114,880.03	4,463.51
		For Aluminum Fins Instead Of Copper, Deduct	*-1,622.93*	
		For 208/230 Voltage Motor Rating, Add	*4,327.82*	
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	120,848.03	4,656.64
		For Aluminum Fins Instead Of Copper, Deduct	*-1,707.95*	
		For 208/230 Voltage Motor Rating, Add	*4,554.52*	
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller	125,294.75	5,010.72
		For Aluminum Fins Instead Of Copper, Deduct	*-1,766.76*	
		For 208/230 Voltage Motor Rating, Add	*4,711.36*	
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller	134,482.51	5,257.50
		For Aluminum Fins Instead Of Copper, Deduct	*-1,899.10*	
		For 208/230 Voltage Motor Rating, Add	*5,064.28*	
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller	142,934.72	5,364.79
		For Aluminum Fins Instead Of Copper, Deduct	*-2,023.31*	
		For 208/230 Voltage Motor Rating, Add	*5,395.50*	
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller	150,896.11	5,547.20
		For Aluminum Fins Instead Of Copper, Deduct	*-2,138.71*	
		For 208/230 Voltage Motor Rating, Add	*5,703.23*	
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller	155,727.88	5,665.23
		For Aluminum Fins Instead Of Copper, Deduct	*-2,208.45*	
		For 208/230 Voltage Motor Rating, Add	*5,889.20*	
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller	164,461.25	5,783.24
		For Aluminum Fins Instead Of Copper, Deduct	*-2,336.72*	
		For 208/230 Voltage Motor Rating, Add	*6,231.24*	
23 64 26 13-0011	EA	170 Ton Packaged Air Cooled Rotary-Screw Water Chiller	171,676.43	5,965.65
		For Aluminum Fins Instead Of Copper, Deduct	*-2,440.92*	
		For 208/230 Voltage Motor Rating, Add	*6,509.12*	
23 64 26 13-0012	EA	180 Ton Packaged Air Cooled Rotary-Screw Water Chiller	181,042.53	6,201.70
		For Aluminum Fins Instead Of Copper, Deduct	*-2,576.10*	
		For 208/230 Voltage Motor Rating, Add	*6,869.60*	
23 64 26 13-0013	EA	200 Ton Packaged Air Cooled Rotary-Screw Water Chiller	189,260.60	6,330.45
		For Aluminum Fins Instead Of Copper, Deduct	*-2,696.63*	
		For 208/230 Voltage Motor Rating, Add	*7,191.03*	
23 64 26 13-0014	EA	215 Ton Packaged Air Cooled Rotary-Screw Water Chiller	202,915.44	6,437.76
		For Aluminum Fins Instead Of Copper, Deduct	*-2,898.88*	
		For 208/230 Voltage Motor Rating, Add	*7,730.35*	
23 64 26 13-0015	EA	225 Ton Packaged Air Cooled Rotary-Screw Water Chiller	211,990.07	6,502.13
		For Aluminum Fins Instead Of Copper, Deduct	*-3,033.71*	
		For 208/230 Voltage Motor Rating, Add	*8,089.90*	
23 64 26 13-0016	EA	240 Ton Packaged Air Cooled Rotary-Screw Water Chiller	221,064.68	6,555.77
		For Aluminum Fins Instead Of Copper, Deduct	*-3,168.55*	
		For 208/230 Voltage Motor Rating, Add	*8,449.46*	
23 64 26 13-0017	EA	260 Ton Packaged Air Cooled Rotary-Screw Water Chiller	248,224.15	6,684.54
		For Aluminum Fins Instead Of Copper, Deduct	*-3,573.04*	
		For 208/230 Voltage Motor Rating, Add	*9,528.11*	
23 64 26 13-0018	EA	280 Ton Packaged Air Cooled Rotary-Screw Water Chiller	261,889.74	6,813.29
		For Aluminum Fins Instead Of Copper, Deduct	*-3,775.29*	
		For 208/230 Voltage Motor Rating, Add	*10,067.44*	
23 64 26 13-0019	EA	300 Ton Packaged Air Cooled Rotary-Screw Water Chiller	280,038.98	6,920.58
		For Aluminum Fins Instead Of Copper, Deduct	*-4,044.95*	
		For 208/230 Voltage Motor Rating, Add	*10,786.54*	
23 64 26 13-0020	EA	325 Ton Packaged Air Cooled Rotary-Screw Water Chiller	307,176.99	7,038.61
		For Aluminum Fins Instead Of Copper, Deduct	*-4,449.45*	
		For 208/230 Voltage Motor Rating, Add	*11,865.19*	
23 64 26 13-0021	EA	350 Ton Packaged Air Cooled Rotary-Screw Water Chiller	334,936.55	7,124.44
		For Aluminum Fins Instead Of Copper, Deduct	*-4,863.75*	
		For 208/230 Voltage Motor Rating, Add	*12,970.00*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001		**Packaged Water Cooled Helical Rotary Water Chillers** *(23 64 26 16)* Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.		
23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	70,520.55	5,219.88
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	76,535.08	5,422.87
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	81,760.03	5,567.87
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	86,309.86	5,802.76
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,828.04	5,962.26
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	96,331.04	6,129.64
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	129,974.08	6,300.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	134,933.15	6,471.48
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	138,646.04	6,631.68
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	140,048.71	6,963.32
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	139,067.79	7,299.13
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,137.59	7,455.38
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	159,908.58	7,618.47
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	169,892.05	7,967.16
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	179,337.19	8,289.63
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	190,331.36	8,618.02
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	208,941.53	9,381.86
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	224,178.38	10,319.12
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	236,058.90	11,351.50

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,639.59	1,781.11
		For Stainless Steel Cooling Tower, Add	*10,780.75*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	28,486.90	2,178.11
		For Stainless Steel Cooling Tower, Add	*15,141.50*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	35,691.57	2,736.04
		For Stainless Steel Cooling Tower, Add	*18,775.46*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	41,176.85	3,057.93
		For Stainless Steel Cooling Tower, Add	*21,757.62*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	47,067.44	3,444.20
		For Stainless Steel Cooling Tower, Add	*24,918.59*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	52,924.05	3,862.65
		For Stainless Steel Cooling Tower, Add	*28,033.41*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	59,400.40	4,302.57
		For Stainless Steel Cooling Tower, Add	*31,494.32*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	64,894.77	4,849.78
		For Stainless Steel Cooling Tower, Add	*34,263.05*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	70,686.06	5,386.25
		For Stainless Steel Cooling Tower, Add	*37,216.37*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	77,339.32	6,373.37
		For Stainless Steel Cooling Tower, Add	*40,261.97*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	84,031.11	7,060.07
		For Stainless Steel Cooling Tower, Add	*43,607.53*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	88,541.81	7,510.71
		For Stainless Steel Cooling Tower, Add	*45,914.80*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	93,822.03	7,950.63
		For Stainless Steel Cooling Tower, Add	*48,625.85*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	98,962.76	8,336.89
		For Stainless Steel Cooling Tower, Add	*51,336.90*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	104,861.85	8,723.16
		For Stainless Steel Cooling Tower, Add	*54,509.41*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	111,103.43	9,195.26
		For Stainless Steel Cooling Tower, Add	*57,797.27*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	118,199.52	9,667.36
		For Stainless Steel Cooling Tower, Add	*61,604.29*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	125,102.90	10,075.08
		For Stainless Steel Cooling Tower, Add	*65,353.61*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	132,017.00	10,482.81
		For Stainless Steel Cooling Tower, Add	*69,102.93*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	145,212.18	10,922.72
		For Stainless Steel Cooling Tower, Add	*76,601.58*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	159,560.99	11,351.90
		For Stainless Steel Cooling Tower, Add	*84,792.41*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	165,415.02	11,587.95
		For Stainless Steel Cooling Tower, Add	*88,253.33*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	172,422.68	11,738.16
		For Stainless Steel Cooling Tower, Add	*92,406.43*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	180,480.99	12,339.03
		For Stainless Steel Cooling Tower, Add	*96,674.89*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	189,885.20	12,939.88
		For Stainless Steel Cooling Tower, Add	*101,750.89*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	199,375.26	13,594.38
		For Stainless Steel Cooling Tower, Add	*106,826.90*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	210,403.50	14,248.90
		For Stainless Steel Cooling Tower, Add	*112,825.82*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	221,774.24	14,999.96
		For Stainless Steel Cooling Tower, Add	*118,940.11*	
23 65 13 16-0031	EA	1,000 Ton Centrifugal Type Cooling Tower	234,672.39	15,751.03
		For Stainless Steel Cooling Tower, Add	*125,977.30*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers *(23 65 14 13)*

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,483.70	1,201.71
		For Polymer Coating Over Galvanized Components, Add	*1,302.17*	
		For Stainless Steel Support Structure, Add	*2,604.34*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,450.90	1,298.28
		For Polymer Coating Over Galvanized Components, Add	*1,574.72*	
		For Stainless Steel Support Structure, Add	*3,149.43*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,907.69	1,459.23
		For Polymer Coating Over Galvanized Components, Add	*1,907.83*	
		For Stainless Steel Support Structure, Add	*3,815.66*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,546.22	1,609.44
		For Polymer Coating Over Galvanized Components, Add	*2,119.81*	
		For Stainless Steel Support Structure, Add	*4,239.62*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,630.15	1,781.11
		For Polymer Coating Over Galvanized Components, Add	*2,543.77*	
		For Stainless Steel Support Structure, Add	*5,087.54*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	22,871.52	1,920.59
		For Polymer Coating Over Galvanized Components, Add	*2,999.40*	
		For Stainless Steel Support Structure, Add	*5,998.80*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	26,266.14	2,178.11
		For Polymer Coating Over Galvanized Components, Add	*3,452.26*	
		For Stainless Steel Support Structure, Add	*6,904.52*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	32,663.27	2,736.04
		For Polymer Coating Over Galvanized Components, Add	*4,239.62*	
		For Stainless Steel Support Structure, Add	*8,479.24*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	35,600.93	3,057.93
		For Polymer Coating Over Galvanized Components, Add	*4,603.02*	
		For Stainless Steel Support Structure, Add	*9,206.03*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	54,637.54	3,444.20
		For Polymer Coating Over Galvanized Components, Add	*7,365.16*	
		For Stainless Steel Support Structure, Add	*14,730.32*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	66,086.70	4,302.57
		For Polymer Coating Over Galvanized Components, Add	*8,876.53*	
		For Stainless Steel Support Structure, Add	*17,753.05*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	85,172.83	7,060.07
		For Polymer Coating Over Galvanized Components, Add	*11,073.14*	
		For Stainless Steel Support Structure, Add	*22,146.28*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	32,663.27	2,736.04
		For Polymer Coating Over Galvanized Components, Add	*4,239.62*	
		For Stainless Steel Support Structure, Add	*8,479.24*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	43,558.45	3,444.20
		For Polymer Coating Over Galvanized Components, Add	*5,703.30*	
		For Stainless Steel Support Structure, Add	*11,406.60*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	55,362.67	4,302.57
		For Polymer Coating Over Galvanized Components, Add	*7,267.92*	
		For Stainless Steel Support Structure, Add	*14,535.84*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	65,629.28	5,386.25
		For Polymer Coating Over Galvanized Components, Add	*8,545.58*	
		For Stainless Steel Support Structure, Add	*17,091.15*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	77,849.53	7,060.07
		For Polymer Coating Over Galvanized Components, Add	*9,974.64*	
		For Stainless Steel Support Structure, Add	*19,949.29*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	86,755.99	7,950.63
		For Polymer Coating Over Galvanized Components, Add	*11,096.56*	
		For Stainless Steel Support Structure, Add	*22,193.12*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	96,786.39	8,723.16
		For Polymer Coating Over Galvanized Components, Add	*12,416.03*	
		For Stainless Steel Support Structure, Add	*24,832.07*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	109,739.50	9,667.36
		For Polymer Coating Over Galvanized Components, Add	*14,132.07*	
		For Stainless Steel Support Structure, Add	*28,264.14*	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	123,845.40	10,482.81
		For Polymer Coating Over Galvanized Components, Add	*16,049.99*	
		For Stainless Steel Support Structure, Add	*32,099.99*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	132,714.43	11,051.48
		For Polymer Coating Over Galvanized Components, Add	*17,275.73*	
		For Stainless Steel Support Structure, Add	*34,551.47*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	142,308.33	11,351.90
		For Polymer Coating Over Galvanized Components, Add	*18,610.20*	
		For Stainless Steel Support Structure, Add	*37,220.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	161,751.52	11,738.16
		For Polymer Coating Over Galvanized Components, Add	*21,500.93*	
		For Stainless Steel Support Structure, Add	*43,001.87*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	177,387.46	12,939.88
		For Polymer Coating Over Galvanized Components, Add	*23,563.06*	
		For Stainless Steel Support Structure, Add	*47,126.12*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	195,983.02	14,248.90
		For Polymer Coating Over Galvanized Components, Add	*26,043.38*	
		For Stainless Steel Support Structure, Add	*52,086.77*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,873.44	1,201.71
		For Polymer Coating Over Galvanized Components, Add	*1,060.63*	
		For Stainless Steel Support Structure, Add	*2,121.26*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,592.89	1,223.17
		For Polymer Coating Over Galvanized Components, Add	*1,165.33*	
		For Stainless Steel Support Structure, Add	*2,330.66*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,432.19	1,330.47
		For Polymer Coating Over Galvanized Components, Add	*1,265.47*	
		For Stainless Steel Support Structure, Add	*2,530.95*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,228.20	1,394.84
		For Polymer Coating Over Galvanized Components, Add	*1,520.39*	
		For Stainless Steel Support Structure, Add	*3,040.78*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,872.46	1,459.23
		For Polymer Coating Over Galvanized Components, Add	*1,752.54*	
		For Stainless Steel Support Structure, Add	*3,505.09*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,477.50	1,534.33
		For Polymer Coating Over Galvanized Components, Add	*1,975.60*	
		For Stainless Steel Support Structure, Add	*3,951.19*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,950.41	1,609.44
		For Polymer Coating Over Galvanized Components, Add	*2,180.44*	
		For Stainless Steel Support Structure, Add	*4,360.88*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,585.80	1,695.27
		For Polymer Coating Over Galvanized Components, Add	*2,408.04*	
		For Stainless Steel Support Structure, Add	*4,816.09*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,181.95	1,781.11
		For Polymer Coating Over Galvanized Components, Add	*2,626.54*	
		For Stainless Steel Support Structure, Add	*5,253.08*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	23,329.48	1,920.59
		For Polymer Coating Over Galvanized Components, Add	*3,068.09*	
		For Stainless Steel Support Structure, Add	*6,136.19*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,741.24	2,070.82
		For Polymer Coating Over Galvanized Components, Add	*3,546.06*	
		For Stainless Steel Support Structure, Add	*7,092.12*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,317.76	2,178.11
		For Polymer Coating Over Galvanized Components, Add	*3,760.01*	
		For Stainless Steel Support Structure, Add	*7,520.01*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,023.05	2,360.51
		For Polymer Coating Over Galvanized Components, Add	*3,973.95*	
		For Stainless Steel Support Structure, Add	*7,947.91*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,273.14	2,542.92
		For Polymer Coating Over Galvanized Components, Add	*4,119.62*	
		For Stainless Steel Support Structure, Add	*8,239.24*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,593.04	2,736.04
		For Polymer Coating Over Galvanized Components, Add	*4,379.09*	
		For Stainless Steel Support Structure, Add	*8,758.17*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	34,927.43	3,057.93
		For Polymer Coating Over Galvanized Components, Add	*4,501.99*	
		For Stainless Steel Support Structure, Add	*9,003.98*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	40,587.36	3,444.20
		For Polymer Coating Over Galvanized Components, Add	*5,257.64*	
		For Stainless Steel Support Structure, Add	*10,515.27*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	44,833.56	3,862.65
		For Polymer Coating Over Galvanized Components, Add	*5,794.78*	
		For Stainless Steel Support Structure, Add	*11,589.56*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	47,150.11	4,302.57
		For Polymer Coating Over Galvanized Components, Add	*6,036.04*	
		For Stainless Steel Support Structure, Add	*12,072.08*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	54,524.21	4,849.78
		For Polymer Coating Over Galvanized Components, Add	*7,010.18*	
		For Stainless Steel Support Structure, Add	*14,020.36*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	59,763.30	5,386.25
		For Polymer Coating Over Galvanized Components, Add	*7,665.68*	
		For Stainless Steel Support Structure, Add	*15,331.36*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	63,798.66	6,373.37
		For Polymer Coating Over Galvanized Components, Add	*8,034.39*	
		For Stainless Steel Support Structure, Add	*16,068.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	68,798.96	7,060.07
		For Polymer Coating Over Galvanized Components, Add	*8,617.06*	
		For Stainless Steel Support Structure, Add	*17,234.12*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	78,662.49	7,950.63
		For Polymer Coating Over Galvanized Components, Add	*9,882.53*	
		For Stainless Steel Support Structure, Add	*19,765.07*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	86,724.49	8,723.16
		For Polymer Coating Over Galvanized Components, Add	*10,906.75*	
		For Stainless Steel Support Structure, Add	*21,813.50*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	95,854.48	9,667.36
		For Polymer Coating Over Galvanized Components, Add	*12,049.32*	
		For Stainless Steel Support Structure, Add	*24,098.63*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	104,457.53	10,482.81
		For Polymer Coating Over Galvanized Components, Add	*13,141.81*	
		For Stainless Steel Support Structure, Add	*26,283.62*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	119,508.57	11,351.90
		For Polymer Coating Over Galvanized Components, Add	*15,190.24*	
		For Stainless Steel Support Structure, Add	*30,380.48*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	134,277.20	11,738.16
		For Polymer Coating Over Galvanized Components, Add	*17,379.78*	
		For Stainless Steel Support Structure, Add	*34,759.57*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	150,125.27	12,939.88
		For Polymer Coating Over Galvanized Components, Add	*19,473.73*	
		For Stainless Steel Support Structure, Add	*38,947.47*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	165,477.38	14,248.90
		For Polymer Coating Over Galvanized Components, Add	*21,467.54*	
		For Stainless Steel Support Structure, Add	*42,935.08*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	180,481.89	15,751.03
		For Polymer Coating Over Galvanized Components, Add	*23,365.75*	
		For Stainless Steel Support Structure, Add	*46,731.50*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	197,665.81	16,512.84
		For Polymer Coating Over Galvanized Components, Add	*25,764.69*	
		For Stainless Steel Support Structure, Add	*51,529.38*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	214,239.10	17,221.00
		For Polymer Coating Over Galvanized Components, Add	*28,081.69*	
		For Stainless Steel Support Structure, Add	*56,163.38*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	227,815.45	18,701.66
		For Polymer Coating Over Galvanized Components, Add	*29,770.50*	
		For Stainless Steel Support Structure, Add	*59,541.01*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	240,926.20	20,289.64
		For Polymer Coating Over Galvanized Components, Add	*31,363.73*	
		For Stainless Steel Support Structure, Add	*62,727.46*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	253,539.16	21,963.46
		For Polymer Coating Over Galvanized Components, Add	*32,861.36*	
		For Stainless Steel Support Structure, Add	*65,722.71*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	265,185.88	23,476.34
		For Polymer Coating Over Galvanized Components, Add	*34,254.29*	
		For Stainless Steel Support Structure, Add	*68,508.58*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	276,519.04	25,203.80
		For Polymer Coating Over Galvanized Components, Add	*35,547.08*	
		For Stainless Steel Support Structure, Add	*71,094.15*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	287,644.06	27,199.51
		For Polymer Coating Over Galvanized Components, Add	*36,744.27*	
		For Stainless Steel Support Structure, Add	*73,488.54*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	298,060.45	29,195.21
		For Polymer Coating Over Galvanized Components, Add	*37,836.77*	
		For Stainless Steel Support Structure, Add	*75,673.53*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	308,976.85	31,920.53
		For Polymer Coating Over Galvanized Components, Add	*38,833.67*	
		For Stainless Steel Support Structure, Add	*77,667.33*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	90,872.47	2,736.04
		For Induced Draft Counter Flow Type, Add	*4,323.67*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	103,004.80	3,036.47
		For Induced Draft Counter Flow Type, Add	*4,904.53*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	112,555.14	3,444.20
		For Induced Draft Counter Flow Type, Add	*5,350.93*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	125,043.31	4,302.57
		For Induced Draft Counter Flow Type, Add	*5,906.67*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	141,547.02	5,386.25
		For Induced Draft Counter Flow Type, Add	*6,644.41*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	162,363.33	7,060.07
		For Induced Draft Counter Flow Type, Add	*7,550.57*	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	176,847.39	7,950.63
		For Induced Draft Counter Flow Type, Add	*8,203.42*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	191,138.31	8,723.16
		For Induced Draft Counter Flow Type, Add	*8,856.27*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	220,542.23	10,482.81
		For Induced Draft Counter Flow Type, Add	*10,184.84*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	249,191.65	11,351.90
		For Induced Draft Counter Flow Type, Add	*11,547.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	308,841.64	12,339.03
		For Induced Draft Counter Flow Type, Add	*14,422.77*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	401,058.08	15,751.03
		For Induced Draft Counter Flow Type, Add	*18,817.39*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	38,103.10	1,781.11
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	54,211.47	2,178.11
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	63,834.84	2,736.04
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	72,372.41	3,057.93
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	79,378.35	3,444.20
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	95,157.94	4,302.57
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	111,937.83	5,386.25
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	132,586.62	7,060.07
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	145,114.84	7,950.63
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	164,571.53	8,723.16
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	190,711.19	10,482.81
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	215,372.35	11,351.90
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	266,599.80	12,339.03
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	339,704.09	15,579.36

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	66,510.53	2,736.04
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	71,955.89	3,057.93
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	77,513.07	3,444.20
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	91,631.10	4,302.57
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	100,895.50	5,386.25

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,376.16	1,115.88
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,606.50	1,169.52
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,357.52	1,201.71
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,058.17	1,223.17
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,935.06	1,330.47
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,392.91	1,394.84
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,486.59	1,459.23
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,940.24	1,609.44
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,209.33	1,781.11
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,684.88	1,920.59
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,788.83	2,070.82
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,186.23	2,360.51
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,801.69	2,736.04
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	25,723.59	3,057.93
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,889.28	3,444.20
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	35,089.25	3,862.65
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,135.59	4,302.57
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	43,252.43	4,849.78
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,185.15	5,386.25
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	56,511.28	7,060.07
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	64,224.50	7,950.63
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	71,383.31	8,723.16
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	86,788.29	10,268.21
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	99,165.90	11,351.90
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	105,135.39	8,723.16
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	120,243.50	12,939.88
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	137,475.44	10,783.24

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,304.14	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,475.48	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,450.93	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,699.21	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,841.44	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,044.80	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,248.15	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,278.91	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,520.11	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,871.52	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,225.83	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,461.21	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 65 43 00-0014 Cooling Tower Accessories *(23 65 43)*

23 65 43 00-0015	EA	2" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ)	35,633.61	
23 65 43 00-0016	EA	3" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ)	41,652.41	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	29,974.82	203.34
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	41,831.71	269.60
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	47,888.63	326.09
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	56,697.70	407.60
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	65,954.22	541.85
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	85,198.79	815.32
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	96,211.82	918.31
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	132,130.84	1,219.76
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	170,990.32	1,418.02

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	10,569.88	765.58
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	11,728.21	918.92
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	14,675.91	1,148.66
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,164.85	1,312.34
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	18,998.71	1,378.39
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,103.00	1,531.73
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	30,723.72	1,608.11
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	38,290.81	1,722.98
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	46,380.06	1,968.80
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	51,950.30	2,527.04
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	69,666.64	2,871.64
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	82,860.91	3,445.96

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 16 00-0001		Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*		
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,122.18	574.32
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	30,077.71	765.81
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	44,587.93	1,148.66

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001		Single Zone Units *(23 73 13)* Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,762.95	618.36
		For Flat Filter Box And Throwaway Filters, Add	*232.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*437.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*652.21*	
		For Manual Roll Filter, Add	*1,122.11*	
		For Automatic Roll Filter, Add	*1,216.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*558.23*	
		For Electric Heating Coil, Add	*934.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*934.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*840.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*746.19*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*608.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,122.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,028.13*	
		For Hot Water Heating Coil, Copper Fins, Add	*746.19*	
		For Variable Air Volume, Add	*263.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,258.36*	
		For 2 Coils, Independent Circuits, Add	*313.89*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,384.61	742.03
		For Flat Filter Box And Throwaway Filters, Add	*385.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*739.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,103.54*	
		For Manual Roll Filter, Add	*1,934.90*	
		For Automatic Roll Filter, Add	*2,101.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*937.27*	
		For Electric Heating Coil, Add	*1,602.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,602.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,436.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,269.81*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,050.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,934.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,768.63*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,269.81*	
		For Variable Air Volume, Add	*465.56*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,381.44*	
		For 2 Coils, Independent Circuits, Add	*504.97*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,960.04	796.91
		For Flat Filter Box And Throwaway Filters, Add	*439.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*844.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,260.34*	
		For Manual Roll Filter, Add	*2,215.76*	
		For Automatic Roll Filter, Add	*2,406.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,069.26*	
		For Electric Heating Coil, Add	*1,833.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,833.59*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,642.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,451.42*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,203.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,215.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,024.68*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,451.42*	
		For Variable Air Volume, Add	*535.04*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,436.85*	
		For 2 Coils, Independent Circuits, Add	*572.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,600.07	856.32
		For Flat Filter Box And Throwaway Filters, Add	*498.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*960.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,435.32*	
		For Manual Roll Filter, Add	*2,529.46*	
		For Automatic Roll Filter, Add	*2,748.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,216.49*	
		For Electric Heating Coil, Add	*2,091.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,091.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,872.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,654.15*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,374.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,529.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,310.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,654.15*	
		For Variable Air Volume, Add	*612.72*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,496.45*	
		For 2 Coils, Independent Circuits, Add	*647.54*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,355.41	921.24
		For Flat Filter Box And Throwaway Filters, Add	*569.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,100.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,643.72*	
		For Manual Roll Filter, Add	*2,903.93*	
		For Automatic Roll Filter, Add	*3,155.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,391.67*	
		For Electric Heating Coil, Add	*2,399.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,399.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,147.80*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,895.76*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,577.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,903.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,651.89*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,895.76*	
		For Variable Air Volume, Add	*705.72*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,560.18*	
		For 2 Coils, Independent Circuits, Add	*736.36*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,236.70	990.04
		For Flat Filter Box And Throwaway Filters, Add	*652.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,263.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,888.15*	
		For Manual Roll Filter, Add	*3,343.75*	
		For Automatic Roll Filter, Add	*3,634.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,597.03*	
		For Electric Heating Coil, Add	*2,761.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,761.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,470.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,179.27*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,817.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,343.75*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,052.63*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,179.27*	
		For Variable Air Volume, Add	*815.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,630.01*	
		For 2 Coils, Independent Circuits, Add	*840.12*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,925.85	1,064.35
		For Flat Filter Box And Throwaway Filters, Add	*716.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,387.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,074.30*	
		For Manual Roll Filter, Add	*3,676.43*	
		For Automatic Roll Filter, Add	*3,996.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,753.87*	
		For Electric Heating Coil, Add	*3,035.58*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,035.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,715.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,394.72*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,998.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,676.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,356.01*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,394.72*	
		For Variable Air Volume, Add	*897.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,702.11*	
		For 2 Coils, Independent Circuits, Add	*920.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,672.06	1,147.06
		For Flat Filter Box And Throwaway Filters, Add	*785.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,521.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,273.96*	
		For Manual Roll Filter, Add	*4,032.40*	
		For Automatic Roll Filter, Add	*4,384.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,922.27*	
		For Electric Heating Coil, Add	*3,329.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,329.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,977.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,625.65*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,192.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,032.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,680.71*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,625.65*	
		For Variable Air Volume, Add	*984.73*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,651.06*	
		For 2 Coils, Independent Circuits, Add	*1,007.88*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,494.05	1,229.76
		For Flat Filter Box And Throwaway Filters, Add	*861.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,670.41*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,496.84*	
		For Manual Roll Filter, Add	*4,431.12*	
		For Automatic Roll Filter, Add	*4,817.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,109.98*	
		For Electric Heating Coil, Add	*3,657.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,657.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,270.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,883.69*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,408.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,431.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,044.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,883.69*	
		For Variable Air Volume, Add	*1,083.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,716.30*	
		For 2 Coils, Independent Circuits, Add	*1,104.15*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,250.72	1,321.85
		For Flat Filter Box And Throwaway Filters, Add	*930.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,804.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,697.55*	
		For Manual Roll Filter, Add	*4,788.14*	
		For Automatic Roll Filter, Add	*5,206.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,279.43*	
		For Electric Heating Coil, Add	*3,951.90*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,951.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,533.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,115.66*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,603.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,788.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,370.02*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,115.66*	
		For Variable Air Volume, Add	*1,170.73*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,788.59*	
		For 2 Coils, Independent Circuits, Add	*1,192.32*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,058.34	1,422.33
		For Flat Filter Box And Throwaway Filters, Add	*1,004.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,947.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,911.17*	
		For Manual Roll Filter, Add	*5,167.84*	
		For Automatic Roll Filter, Add	*5,619.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,459.83*	
		For Electric Heating Coil, Add	*4,265.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,265.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,813.84*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,362.50*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,809.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,167.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,716.50*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,362.50*	
		For Variable Air Volume, Add	*1,263.73*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,867.42*	
		For 2 Coils, Independent Circuits, Add	*1,286.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,863.48	1,646.38
		For Flat Filter Box And Throwaway Filters, Add	*1,168.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,266.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,388.66*	
		For Manual Roll Filter, Add	*6,016.56*	
		For Automatic Roll Filter, Add	*6,542.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,863.09*	
		For Electric Heating Coil, Add	*4,965.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,965.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,439.82*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,914.24*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,271.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,016.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,490.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,914.24*	
		For Variable Air Volume, Add	*1,471.62*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,043.55*	
		For 2 Coils, Independent Circuits, Add	*1,496.58*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,469.67	1,769.28
		For Flat Filter Box And Throwaway Filters, Add	*1,220.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,365.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,535.25*	
		For Manual Roll Filter, Add	*6,270.61*	
		For Automatic Roll Filter, Add	*6,817.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,988.18*	
		For Electric Heating Coil, Add	*5,176.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,176.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,629.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,082.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,408.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,270.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,723.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,082.32*	
		For Variable Air Volume, Add	*1,531.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,140.54*	
		For 2 Coils, Independent Circuits, Add	*1,565.80*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,087.65	1,901.45
		For Flat Filter Box And Throwaway Filters, Add	*1,272.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,464.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,683.02*	
		For Manual Roll Filter, Add	*6,525.83*	
		For Automatic Roll Filter, Add	*7,094.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,114.45*	
		For Electric Heating Coil, Add	*5,388.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,388.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,820.14*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,251.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,547.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,525.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,957.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,251.58*	
		For Variable Air Volume, Add	*1,591.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,244.01*	
		For 2 Coils, Independent Circuits, Add	*1,636.19*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,446.07	2,195.18
		For Flat Filter Box And Throwaway Filters, Add	*1,387.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,681.41*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,006.43*	
		For Manual Roll Filter, Add	*7,083.70*	
		For Automatic Roll Filter, Add	*7,699.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,390.97*	
		For Electric Heating Coil, Add	*5,852.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,852.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,237.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,621.88*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,849.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,083.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,468.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,621.88*	
		For Variable Air Volume, Add	*1,723.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,194.79*	
		For 2 Coils, Independent Circuits, Add	*1,790.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,446.07	2,195.18
		For Flat Filter Box And Throwaway Filters, Add	*1,387.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,681.41*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,006.43*	
		For Manual Roll Filter, Add	*7,083.70*	
		For Automatic Roll Filter, Add	*7,699.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,390.97*	
		For Electric Heating Coil, Add	*5,852.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,852.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,237.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,621.88*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,849.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,083.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,468.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,621.88*	
		For Variable Air Volume, Add	*1,723.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,194.79*	
		For 2 Coils, Independent Circuits, Add	*1,790.79*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,927.74	2,521.36
		For Flat Filter Box And Throwaway Filters, Add	*1,512.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,917.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,357.79*	
		For Manual Roll Filter, Add	*7,689.06*	
		For Automatic Roll Filter, Add	*8,355.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,691.54*	
		For Electric Heating Coil, Add	*6,356.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,356.56*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,690.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,024.05*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,177.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,689.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,022.81*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,024.05*	
		For Variable Air Volume, Add	*1,865.51*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,381.06*	
		For 2 Coils, Independent Circuits, Add	*1,959.28*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,780.88	2,735.47
		For Flat Filter Box And Throwaway Filters, Add	*1,582.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,048.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,552.52*	
		For Manual Roll Filter, Add	*8,020.56*	
		For Automatic Roll Filter, Add	*8,714.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,858.91*	
		For Electric Heating Coil, Add	*6,633.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,633.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,939.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,246.13*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,357.08*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,020.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,326.95*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,246.13*	
		For Variable Air Volume, Add	*1,942.10*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,503.49*	
		For 2 Coils, Independent Circuits, Add	*2,055.53*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,617.76	2,938.75
		For Flat Filter Box And Throwaway Filters, Add	*1,651.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,177.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,745.62*	
		For Manual Roll Filter, Add	*8,350.43*	
		For Automatic Roll Filter, Add	*9,071.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,024.66*	
		For Electric Heating Coil, Add	*6,908.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,908.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,187.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,466.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,535.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,350.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,629.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,466.58*	
		For Variable Air Volume, Add	*2,018.69*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,619.41*	
		For 2 Coils, Independent Circuits, Add	*2,150.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,459.54	3,145.91
		For Flat Filter Box And Throwaway Filters, Add	*1,721.29*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,307.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,939.21*	
		For Manual Roll Filter, Add	*8,680.79*	
		For Automatic Roll Filter, Add	*9,429.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,190.90*	
		For Electric Heating Coil, Add	*7,184.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,184.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,435.84*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,687.53*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,714.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,680.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,932.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,687.53*	
		For Variable Air Volume, Add	*2,095.28*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,737.30*	
		For 2 Coils, Independent Circuits, Add	*2,245.28*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,429.26	3,386.29
		For Flat Filter Box And Throwaway Filters, Add	*1,801.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,456.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,161.23*	
		For Manual Roll Filter, Add	*9,059.11*	
		For Automatic Roll Filter, Add	*9,838.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,381.66*	
		For Electric Heating Coil, Add	*7,499.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,499.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,720.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,940.81*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,919.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,059.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,279.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,940.81*	
		For Variable Air Volume, Add	*2,182.81*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,875.09*	
		For 2 Coils, Independent Circuits, Add	*2,354.76*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,413.05	3,628.22
		For Flat Filter Box And Throwaway Filters, Add	*1,881.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,607.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,384.66*	
		For Manual Roll Filter, Add	*9,438.84*	
		For Automatic Roll Filter, Add	*10,249.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,573.82*	
		For Electric Heating Coil, Add	*7,817.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,817.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,006.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,195.49*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,124.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,438.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,628.01*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,195.49*	
		For Variable Air Volume, Add	*2,270.35*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,738.89*	
		For 2 Coils, Independent Circuits, Add	*2,465.64*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,425.87	3,907.15
		For Flat Filter Box And Throwaway Filters, Add	*1,963.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,759.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,610.98*	
		For Manual Roll Filter, Add	*9,821.48*	
		For Automatic Roll Filter, Add	*10,663.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,768.88*	
		For Electric Heating Coil, Add	*8,137.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,137.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,295.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,453.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,331.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,821.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,979.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,453.08*	
		For Variable Air Volume, Add	*2,357.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,855.17*	
		For 2 Coils, Independent Circuits, Add	*2,579.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,579.31	4,232.67
		For Flat Filter Box And Throwaway Filters, Add	*2,056.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,931.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,867.00*	
		For Manual Roll Filter, Add	*10,253.34*	
		For Automatic Roll Filter, Add	*11,130.61*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,989.73*	
		For Electric Heating Coil, Add	*8,498.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,498.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,621.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,744.27*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,565.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,253.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,376.07*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,744.27*	
		For Variable Air Volume, Add	*2,456.35*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,990.19*	
		For 2 Coils, Independent Circuits, Add	*2,708.84*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,706.12	4,519.10
		For Flat Filter Box And Throwaway Filters, Add	*2,147.74*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,101.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,120.36*	
		For Manual Roll Filter, Add	*10,682.54*	
		For Automatic Roll Filter, Add	*11,594.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,207.92*	
		For Electric Heating Coil, Add	*8,857.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,857.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,945.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,032.79*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,797.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,682.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,770.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,032.79*	
		For Variable Air Volume, Add	*2,554.82*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,117.22*	
		For 2 Coils, Independent Circuits, Add	*2,835.59*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,830.11	4,375.67
		For Flat Filter Box And Throwaway Filters, Add	*2,171.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,156.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,203.10*	
		For Manual Roll Filter, Add	*10,853.20*	
		For Automatic Roll Filter, Add	*11,783.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,273.07*	
		For Electric Heating Coil, Add	*8,993.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,993.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,063.14*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,133.12*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,891.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,853.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,923.18*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,133.12*	
		For Variable Air Volume, Add	*2,604.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,048.91*	
		For 2 Coils, Independent Circuits, Add	*2,855.02*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,885.94	4,854.67
		For Flat Filter Box And Throwaway Filters, Add	*2,241.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,275.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,379.02*	
		For Manual Roll Filter, Add	*11,117.04*	
		For Automatic Roll Filter, Add	*12,064.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,431.41*	
		For Electric Heating Coil, Add	*9,221.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,221.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,274.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,326.62*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,032.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,117.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,169.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,326.62*	
		For Variable Air Volume, Add	*2,653.30*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,260.15*	
		For 2 Coils, Independent Circuits, Add	*2,967.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,267.20	5,049.68
		For Flat Filter Box And Throwaway Filters, Add	*2,367.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,519.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,743.79*	
		For Manual Roll Filter, Add	*11,765.12*	
		For Automatic Roll Filter, Add	*12,769.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,739.52*	
		For Electric Heating Coil, Add	*9,756.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,756.59*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,752.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,748.05*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,384.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,765.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,760.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,748.05*	
		For Variable Air Volume, Add	*2,811.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,836.37*	
		For 2 Coils, Independent Circuits, Add	*3,128.43*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,717.45	5,245.23
		For Flat Filter Box And Throwaway Filters, Add	*2,496.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,768.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,115.46*	
		For Manual Roll Filter, Add	*12,420.09*	
		For Automatic Roll Filter, Add	*13,481.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,054.53*	
		For Electric Heating Coil, Add	*10,298.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,298.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,237.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,176.38*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,740.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,420.09*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,359.17*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,176.38*	
		For Variable Air Volume, Add	*2,970.60*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,899.78*	
		For 2 Coils, Independent Circuits, Add	*3,296.12*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,259.96	5,446.97
		For Flat Filter Box And Throwaway Filters, Add	*2,638.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,044.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,527.61*	
		For Manual Roll Filter, Add	*13,154.63*	
		For Automatic Roll Filter, Add	*14,280.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,402.21*	
		For Electric Heating Coil, Add	*10,903.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,903.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,778.42*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,653.01*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,140.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,154.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,029.22*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,653.01*	
		For Variable Air Volume, Add	*3,151.13*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,950.38*	
		For 2 Coils, Independent Circuits, Add	*3,476.16*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	31,864.09	5,648.93
		For Flat Filter Box And Throwaway Filters, Add	*2,783.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,324.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,945.93*	
		For Manual Roll Filter, Add	*13,895.33*	
		For Automatic Roll Filter, Add	*15,085.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,756.05*	
		For Electric Heating Coil, Add	*11,515.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,515.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,325.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,135.81*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,542.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,895.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,705.45*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,135.81*	
		For Variable Air Volume, Add	*3,331.66*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,013.30*	
		For 2 Coils, Independent Circuits, Add	*3,662.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	35,541.36	6,056.06
		For Flat Filter Box And Throwaway Filters, Add	*3,121.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,982.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,275.30*	
		For Manual Roll Filter, Add	*14,845.68*	
		For Automatic Roll Filter, Add	*15,652.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,242.60*	
		For Electric Heating Coil, Add	*6,780.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,619.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,275.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,931.06*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,154.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,307.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,963.76*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,275.30*	
		For Variable Air Volume, Add	*3,763.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,249.93*	
		For 2 Coils, Independent Circuits, Add	*4,091.83*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	39,446.65	6,526.79
		For Flat Filter Box And Throwaway Filters, Add	*3,476.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,672.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,466.89*	
		For Manual Roll Filter, Add	*16,582.01*	
		For Automatic Roll Filter, Add	*17,484.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,953.56*	
		For Electric Heating Coil, Add	*7,555.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,971.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,466.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,962.45*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,990.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,980.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,475.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,466.89*	
		For Variable Air Volume, Add	*4,212.45*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,372.60*	
		For 2 Coils, Independent Circuits, Add	*4,546.44*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	43,720.94	6,993.32
		For Flat Filter Box And Throwaway Filters, Add	*3,872.20*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,444.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,802.85*	
		For Manual Roll Filter, Add	*18,535.77*	
		For Automatic Roll Filter, Add	*19,547.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,744.40*	
		For Electric Heating Coil, Add	*8,418.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,489.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,802.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,116.70*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,930.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,861.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,175.15*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,802.85*	
		For Variable Air Volume, Add	*4,721.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,484.63*	
		For 2 Coils, Independent Circuits, Add	*5,046.55*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	53,895.79	7,531.62
		For Flat Filter Box And Throwaway Filters, Add	*4,851.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,380.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,174.70*	
		For Manual Roll Filter, Add	*23,508.58*	
		For Automatic Roll Filter, Add	*24,802.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,703.63*	
		For Electric Heating Coil, Add	*10,566.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,331.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,174.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,017.67*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,322.88*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,645.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,488.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,174.70*	
		For Variable Air Volume, Add	*6,039.67*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,617.18*	
		For 2 Coils, Independent Circuits, Add	*6,252.39*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	60,243.13	8,038.90
		For Flat Filter Box And Throwaway Filters, Add	*5,450.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,556.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,216.19*	
		For Manual Roll Filter, Add	*26,506.66*	
		For Automatic Roll Filter, Add	*27,969.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,901.06*	
		For Electric Heating Coil, Add	*11,876.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,654.56*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,216.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,777.81*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,765.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,531.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,092.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,216.19*	
		For Variable Air Volume, Add	*6,827.45*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,486.35*	
		For 2 Coils, Independent Circuits, Add	*6,999.66*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	66,012.62	8,656.70
		For Flat Filter Box And Throwaway Filters, Add	*5,983.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,595.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,014.27*	
		For Manual Roll Filter, Add	*29,135.12*	
		For Automatic Roll Filter, Add	*30,744.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,966.47*	
		For Electric Heating Coil, Add	*13,039.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,696.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,014.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,331.67*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,031.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,062.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,379.48*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,014.27*	
		For Variable Air Volume, Add	*7,511.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,619.09*	
		For 2 Coils, Independent Circuits, Add	*7,674.30*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	72,435.19	9,758.01
		For Flat Filter Box And Throwaway Filters, Add	*6,572.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,741.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,994.90*	
		For Manual Roll Filter, Add	*32,025.84*	
		For Automatic Roll Filter, Add	*33,796.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,144.07*	
		For Electric Heating Coil, Add	*14,324.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,945.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,994.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,044.63*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,422.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*30,845.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,895.45*	
		For Hot Water Heating Coil, Copper Fins, Add	*21,994.90*	
		For Variable Air Volume, Add	*8,260.77*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,779.45*	
		For 2 Coils, Independent Circuits, Add	*8,423.63*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	77,971.52	9,971.16
		For Flat Filter Box And Throwaway Filters, Add	*7,085.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,743.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,730.60*	
		For Manual Roll Filter, Add	*34,565.34*	
		For Automatic Roll Filter, Add	*36,477.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,170.53*	
		For Electric Heating Coil, Add	*15,445.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*26,917.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,730.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,543.91*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,645.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,290.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,103.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,730.60*	
		For Variable Air Volume, Add	*8,922.73*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,900.66*	
		For 2 Coils, Independent Circuits, Add	*9,071.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	84,102.90	10,666.70
		For Flat Filter Box And Throwaway Filters, Add	*7,645.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,832.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,613.73*	
		For Manual Roll Filter, Add	*37,312.06*	
		For Automatic Roll Filter, Add	*39,376.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,291.66*	
		For Electric Heating Coil, Add	*16,667.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,054.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,613.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,173.04*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*17,967.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,935.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,495.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,613.73*	
		For Variable Air Volume, Add	*9,633.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,741.15*	
		For 2 Coils, Independent Circuits, Add	*9,786.56*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	90,777.08	11,517.06
		For Flat Filter Box And Throwaway Filters, Add	*8,255.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,016.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,658.59*	
		For Manual Roll Filter, Add	*40,293.59*	
		For Automatic Roll Filter, Add	*42,523.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,510.06*	
		For Electric Heating Coil, Add	*17,996.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,374.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,658.59*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,942.41*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,403.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*38,807.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,090.94*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,658.59*	
		For Variable Air Volume, Add	*10,405.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,886.69*	
		For 2 Coils, Independent Circuits, Add	*10,564.18*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	94,565.08	12,058.01
		For Flat Filter Box And Throwaway Filters, Add	*8,596.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,677.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,799.38*	
		For Manual Roll Filter, Add	*41,952.53*	
		For Automatic Roll Filter, Add	*44,273.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,193.66*	
		For Electric Heating Coil, Add	*18,741.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,667.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,799.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,930.81*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,202.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,405.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,536.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,799.38*	
		For Variable Air Volume, Add	*10,832.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,979.20*	
		For 2 Coils, Independent Circuits, Add	*11,003.94*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	98,137.17	12,521.78
		For Flat Filter Box And Throwaway Filters, Add	*8,920.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,303.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*29,879.51*	
		For Manual Roll Filter, Add	*43,524.24*	
		For Automatic Roll Filter, Add	*45,932.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,840.03*	
		For Electric Heating Coil, Add	*19,445.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*33,892.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,879.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,866.35*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,959.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*41,918.98*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*37,905.82*	
		For Hot Water Heating Coil, Copper Fins, Add	*29,879.51*	
		For Variable Air Volume, Add	*11,236.84*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,064.25*	
		For 2 Coils, Independent Circuits, Add	*11,418.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	105,822.18	13,372.02
		For Flat Filter Box And Throwaway Filters, Add	*9,626.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,679.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,259.91*	
		For Manual Roll Filter, Add	*47,000.75*	
		For Automatic Roll Filter, Add	*49,602.07*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,253.30*	
		For Electric Heating Coil, Add	*20,987.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,595.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,259.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,924.37*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,633.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,266.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,930.99*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,259.91*	
		For Variable Air Volume, Add	*12,139.51*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,218.93*	
		For 2 Coils, Independent Circuits, Add	*12,316.43*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	115,795.07	14,299.57
		For Flat Filter Box And Throwaway Filters, Add	*10,557.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,500.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,416.18*	
		For Manual Roll Filter, Add	*51,625.12*	
		For Automatic Roll Filter, Add	*54,485.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,114.18*	
		For Electric Heating Coil, Add	*23,021.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,183.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,416.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,648.85*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*24,859.09*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*49,718.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*44,950.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*35,416.18*	
		For Variable Air Volume, Add	*13,348.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,944.84*	
		For 2 Coils, Independent Circuits, Add	*13,486.44*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	126,965.64	15,458.98
		For Flat Filter Box And Throwaway Filters, Add	*11,592.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,522.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*38,916.90*	
		For Manual Roll Filter, Add	*56,746.74*	
		For Automatic Roll Filter, Add	*59,893.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,184.70*	
		For Electric Heating Coil, Add	*25,282.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,160.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,916.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,672.84*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,324.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,649.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*49,405.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*38,916.90*	
		For Variable Air Volume, Add	*14,683.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,108.43*	
		For 2 Coils, Independent Circuits, Add	*14,794.19*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	139,397.54	16,773.01
		For Flat Filter Box And Throwaway Filters, Add	*12,739.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,758.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*42,787.99*	
		For Manual Roll Filter, Add	*62,404.79*	
		For Automatic Roll Filter, Add	*65,866.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*25,479.05*	
		For Electric Heating Coil, Add	*27,786.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*48,557.64*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*42,787.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,018.34*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,048.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,096.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,327.28*	
		For Hot Water Heating Coil, Copper Fins, Add	*42,787.99*	
		For Variable Air Volume, Add	*16,155.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,300.46*	
		For 2 Coils, Independent Circuits, Add	*16,247.61*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,239.12	1,391.09
		For Economizer, Panel, Controls And Damper(s), Add	*2,030.82*	
		For Flat Filter Box And Throwaway Filters, Add	*724.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,389.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,761.75*	
		For Manual Roll Filter, Add	*3,637.42*	
		For Automatic Roll Filter, Add	*3,637.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*823.91*	
		For Electric Heating Coil, Add	*948.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,012.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,012.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,637.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,637.42*	
		For 2 Coils, Independent Circuits, Add	*948.96*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,266.00	1,742.78
		For Economizer, Panel, Controls And Damper(s), Add	*2,382.84*	
		For Flat Filter Box And Throwaway Filters, Add	*902.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,729.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,193.03*	
		For Manual Roll Filter, Add	*4,525.90*	
		For Automatic Roll Filter, Add	*4,525.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,026.60*	
		For Electric Heating Coil, Add	*1,182.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,748.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,748.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,525.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,525.90*	
		For 2 Coils, Independent Circuits, Add	*1,182.12*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,731.33	1,854.86
		For Economizer, Panel, Controls And Damper(s), Add	*2,494.71*	
		For Flat Filter Box And Throwaway Filters, Add	*1,140.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,201.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,785.39*	
		For Manual Roll Filter, Add	*5,809.92*	
		For Automatic Roll Filter, Add	*5,809.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,273.13*	
		For Electric Heating Coil, Add	*1,474.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,801.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,801.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,809.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,809.92*	
		For 2 Coils, Independent Circuits, Add	*1,474.77*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,231.12	1,986.26
		For Economizer, Panel, Controls And Damper(s), Add	*2,625.74*	
		For Flat Filter Box And Throwaway Filters, Add	*1,181.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,277.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,882.26*	
		For Manual Roll Filter, Add	*6,000.57*	
		For Automatic Roll Filter, Add	*6,000.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,323.11*	
		For Electric Heating Coil, Add	*1,531.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,961.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,961.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,000.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,000.57*	
		For 2 Coils, Independent Circuits, Add	*1,531.00*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,507.32	2,129.26
		For Economizer, Panel, Controls And Damper(s), Add	*2,769.34*	
		For Flat Filter Box And Throwaway Filters, Add	*1,398.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,706.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,420.54*	
		For Manual Roll Filter, Add	*7,160.17*	
		For Automatic Roll Filter, Add	*7,160.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,550.73*	
		For Electric Heating Coil, Add	*1,800.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,913.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,913.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,160.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,160.17*	
		For 2 Coils, Independent Circuits, Add	*1,800.04*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,347.90	2,280.21
		For Economizer, Panel, Controls And Damper(s), Add	*2,920.09*	
		For Flat Filter Box And Throwaway Filters, Add	*1,471.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,846.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,598.38*	
		For Manual Roll Filter, Add	*7,525.57*	
		For Automatic Roll Filter, Add	*7,525.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,634.79*	
		For Electric Heating Coil, Add	*1,896.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,216.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,216.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,525.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,525.57*	
		For 2 Coils, Independent Circuits, Add	*1,896.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,232.77	2,434.68
		For Economizer, Panel, Controls And Damper(s), Add	*3,074.49*	
		For Flat Filter Box And Throwaway Filters, Add	*1,549.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,994.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,786.52*	
		For Manual Roll Filter, Add	*7,913.00*	
		For Automatic Roll Filter, Add	*7,913.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,723.28*	
		For Electric Heating Coil, Add	*1,998.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,537.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,537.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,913.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,913.00*	
		For 2 Coils, Independent Circuits, Add	*1,998.38*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,237.54	2,612.56
		For Economizer, Panel, Controls And Damper(s), Add	*2,798.29*	
		For Flat Filter Box And Throwaway Filters, Add	*1,737.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,363.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,250.76*	
		For Manual Roll Filter, Add	*8,904.78*	
		For Automatic Roll Filter, Add	*8,904.78*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,923.75*	
		For Electric Heating Coil, Add	*2,234.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,353.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,353.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,904.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,904.78*	
		For 2 Coils, Independent Circuits, Add	*2,234.02*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,034.51	2,797.86
		For Economizer, Panel, Controls And Damper(s), Add	*2,948.43*	
		For Flat Filter Box And Throwaway Filters, Add	*1,903.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,687.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,659.06*	
		For Manual Roll Filter, Add	*9,770.26*	
		For Automatic Roll Filter, Add	*9,770.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,103.45*	
		For Electric Heating Coil, Add	*2,444.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,066.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,066.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,770.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,770.26*	
		For 2 Coils, Independent Circuits, Add	*2,444.20*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,234.46	2,988.22
		For Economizer, Panel, Controls And Damper(s), Add	*3,092.59*	
		For Flat Filter Box And Throwaway Filters, Add	*2,010.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,893.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,919.73*	
		For Manual Roll Filter, Add	*10,312.29*	
		For Automatic Roll Filter, Add	*10,312.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,223.45*	
		For Electric Heating Coil, Add	*2,582.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,514.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,514.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,312.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,312.29*	
		For 2 Coils, Independent Circuits, Add	*2,582.95*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,530.96	3,192.50
		For Economizer, Panel, Controls And Damper(s), Add	*3,259.57*	
		For Flat Filter Box And Throwaway Filters, Add	*2,224.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,313.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,448.31*	
		For Manual Roll Filter, Add	*11,438.74*	
		For Automatic Roll Filter, Add	*11,438.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,453.10*	
		For Electric Heating Coil, Add	*2,852.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,441.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,441.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,438.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,438.74*	
		For 2 Coils, Independent Circuits, Add	*2,852.46*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,099.05	3,416.66
		For Economizer, Panel, Controls And Damper(s), Add	*3,434.28*	
		For Flat Filter Box And Throwaway Filters, Add	*2,365.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,585.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,792.69*	
		For Manual Roll Filter, Add	*12,158.25*	
		For Automatic Roll Filter, Add	*12,158.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,609.91*	
		For Electric Heating Coil, Add	*3,034.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,036.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,036.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,158.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,158.25*	
		For 2 Coils, Independent Circuits, Add	*3,034.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,624.66	3,710.15
		For Economizer, Panel, Controls And Damper(s), Add	*3,662.79*	
		For Flat Filter Box And Throwaway Filters, Add	*2,597.67*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,036.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,361.77*	
		For Manual Roll Filter, Add	*13,360.37*	
		For Automatic Roll Filter, Add	*13,360.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,862.47*	
		For Electric Heating Coil, Add	*3,329.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,027.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,027.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,360.37*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,360.37*	
		For 2 Coils, Independent Circuits, Add	*3,329.04*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,754.57	3,996.26
		For Economizer, Panel, Controls And Damper(s), Add	*3,888.59*	
		For Flat Filter Box And Throwaway Filters, Add	*2,790.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,409.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,832.66*	
		For Manual Roll Filter, Add	*14,347.08*	
		For Automatic Roll Filter, Add	*14,347.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,075.46*	
		For Electric Heating Coil, Add	*3,576.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,842.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,842.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,347.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,347.08*	
		For 2 Coils, Independent Circuits, Add	*3,576.42*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,263.30	4,320.78
		For Economizer, Panel, Controls And Damper(s), Add	*3,404.08*	
		For Flat Filter Box And Throwaway Filters, Add	*2,918.32*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,651.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,141.80*	
		For Manual Roll Filter, Add	*14,972.73*	
		For Automatic Roll Filter, Add	*14,972.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,226.33*	
		For Electric Heating Coil, Add	*3,748.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,362.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,362.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,972.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,972.73*	
		For 2 Coils, Independent Circuits, Add	*3,748.39*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,813.00	4,660.66
		For Economizer, Panel, Controls And Damper(s), Add	*3,604.77*	
		For Flat Filter Box And Throwaway Filters, Add	*3,248.20*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,296.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,953.96*	
		For Manual Roll Filter, Add	*16,699.29*	
		For Automatic Roll Filter, Add	*16,699.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,581.30*	
		For Electric Heating Coil, Add	*4,164.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,784.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,784.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,699.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,699.29*	
		For 2 Coils, Independent Circuits, Add	*4,164.32*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,700.63	5,023.95
		For Economizer, Panel, Controls And Damper(s), Add	*3,812.75*	
		For Flat Filter Box And Throwaway Filters, Add	*3,410.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,606.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,347.88*	
		For Manual Roll Filter, Add	*17,503.51*	
		For Automatic Roll Filter, Add	*17,503.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,770.06*	
		For Electric Heating Coil, Add	*4,380.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,451.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,451.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,503.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,503.51*	
		For 2 Coils, Independent Circuits, Add	*4,380.44*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,791.61	5,441.56
		For Economizer, Panel, Controls And Damper(s), Add	*4,039.55*	
		For Flat Filter Box And Throwaway Filters, Add	*3,591.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,950.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,785.57*	
		For Manual Roll Filter, Add	*18,398.39*	
		For Automatic Roll Filter, Add	*18,398.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,979.16*	
		For Electric Heating Coil, Add	*4,620.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,194.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,194.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,398.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,398.39*	
		For 2 Coils, Independent Circuits, Add	*4,620.02*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,041.94	5,874.08
		For Economizer, Panel, Controls And Damper(s), Add	*3,699.12*	
		For Flat Filter Box And Throwaway Filters, Add	*3,784.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,316.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,250.93*	
		For Manual Roll Filter, Add	*19,344.39*	
		For Automatic Roll Filter, Add	*19,344.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,204.19*	
		For Electric Heating Coil, Add	*4,877.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,979.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,979.90*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,344.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,344.39*	
		For 2 Coils, Independent Circuits, Add	*4,877.09*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,217.81	6,098.57
		For Economizer, Panel, Controls And Damper(s), Add	*3,799.84*	
		For Flat Filter Box And Throwaway Filters, Add	*3,885.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,508.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,494.53*	
		For Manual Roll Filter, Add	*19,840.04*	
		For Automatic Roll Filter, Add	*19,840.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,321.78*	
		For Electric Heating Coil, Add	*5,011.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,391.54*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,391.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,840.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,840.04*	
		For 2 Coils, Independent Circuits, Add	*5,011.48*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,343.25	6,316.21
		For Economizer, Panel, Controls And Damper(s), Add	*3,885.42*	
		For Flat Filter Box And Throwaway Filters, Add	*3,983.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,696.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,733.10*	
		For Manual Roll Filter, Add	*20,330.65*	
		For Automatic Roll Filter, Add	*20,330.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,434.33*	
		For Electric Heating Coil, Add	*5,140.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,798.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,798.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,330.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,330.65*	
		For 2 Coils, Independent Circuits, Add	*5,140.83*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	50,206.79	6,570.07
		For Economizer, Panel, Controls And Damper(s), Add	*3,282.18*	
		For Flat Filter Box And Throwaway Filters, Add	*4,550.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,817.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,140.06*	
		For Manual Roll Filter, Add	*23,378.83*	
		For Automatic Roll Filter, Add	*23,378.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,020.68*	
		For Electric Heating Coil, Add	*5,836.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,299.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,299.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,378.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,378.83*	
		For 2 Coils, Independent Circuits, Add	*5,836.60*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	56,028.79	6,830.34
		For Economizer, Panel, Controls And Damper(s), Add	*3,443.39*	
		For Flat Filter Box And Throwaway Filters, Add	*5,114.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,936.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,542.87*	
		For Manual Roll Filter, Add	*26,422.84*	
		For Automatic Roll Filter, Add	*26,422.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,602.88*	
		For Electric Heating Coil, Add	*6,528.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,796.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,796.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,422.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,422.84*	
		For 2 Coils, Independent Circuits, Add	*6,528.21*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	64,534.12	7,087.95
		For Economizer, Panel, Controls And Damper(s), Add	*3,506.01*	
		For Flat Filter Box And Throwaway Filters, Add	*5,947.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,591.21*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,615.52*	
		For Manual Roll Filter, Add	*30,939.73*	
		For Automatic Roll Filter, Add	*30,939.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,453.41*	
		For Electric Heating Coil, Add	*7,541.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,498.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,498.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*30,939.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,939.73*	
		For 2 Coils, Independent Circuits, Add	*7,541.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	73,044.53	7,343.02
		For Economizer, Panel, Controls And Damper(s), Add	*3,569.53*	
		For Flat Filter Box And Throwaway Filters, Add	*6,780.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,246.11*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,688.68*	
		For Manual Roll Filter, Add	*35,457.13*	
		For Automatic Roll Filter, Add	*35,457.13*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,304.45*	
		For Electric Heating Coil, Add	*8,555.68*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,200.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,200.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,457.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,457.13*	
		For 2 Coils, Independent Circuits, Add	*8,555.68*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	82,060.04	7,961.38
		For Economizer, Panel, Controls And Damper(s), Add	*3,724.86*	
		For Flat Filter Box And Throwaway Filters, Add	*7,637.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,399.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,809.42*	
		For Manual Roll Filter, Add	*29,412.83*	
		For Automatic Roll Filter, Add	*36,481.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,206.00*	
		For Electric Heating Coil, Add	*9,619.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,412.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,412.83*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,274.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,481.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,481.77*	
		For 2 Coils, Independent Circuits, Add	*9,619.79*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	88,498.59	8,657.03
		For Economizer, Panel, Controls And Damper(s), Add	*3,609.91*	
		For Flat Filter Box And Throwaway Filters, Add	*8,234.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,290.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,279.74*	
		For Manual Roll Filter, Add	*31,709.62*	
		For Automatic Roll Filter, Add	*39,329.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,849.86*	
		For Electric Heating Coil, Add	*10,373.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,709.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,709.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,469.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,329.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,329.54*	
		For 2 Coils, Independent Circuits, Add	*10,373.84*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	105,734.32	9,352.36
		For Economizer, Panel, Controls And Damper(s), Add	*3,768.62*	
		For Flat Filter Box And Throwaway Filters, Add	*9,905.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,791.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,429.96*	
		For Manual Roll Filter, Add	*38,286.49*	
		For Automatic Roll Filter, Add	*47,524.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,573.43*	
		For Electric Heating Coil, Add	*12,420.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,286.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,286.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,811.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,524.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*47,524.18*	
		For 2 Coils, Independent Circuits, Add	*12,420.97*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	119,599.55	10,125.64
		For Economizer, Panel, Controls And Damper(s), Add	*3,931.70*	
		For Flat Filter Box And Throwaway Filters, Add	*11,237.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,784.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,733.19*	
		For Manual Roll Filter, Add	*43,506.42*	
		For Automatic Roll Filter, Add	*54,021.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,959.96*	
		For Electric Heating Coil, Add	*14,063.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*43,506.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,506.42*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,475.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,021.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,021.91*	
		For 2 Coils, Independent Circuits, Add	*14,063.05*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	129,641.03	10,898.92
		For Economizer, Panel, Controls And Damper(s), Add	*4,101.50*	
		For Flat Filter Box And Throwaway Filters, Add	*12,185.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,200.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,073.75*	
		For Manual Roll Filter, Add	*47,183.41*	
		For Automatic Roll Filter, Add	*58,589.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,964.10*	
		For Electric Heating Coil, Add	*15,245.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,183.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,183.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,370.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*58,589.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*58,589.84*	
		For 2 Coils, Independent Circuits, Add	*15,245.39*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	144,809.20	12,753.33
		For Economizer, Panel, Controls And Damper(s), Add	*4,105.16*	
		For Flat Filter Box And Throwaway Filters, Add	*13,570.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,265.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,472.11*	
		For Manual Roll Filter, Add	*52,463.29*	
		For Automatic Roll Filter, Add	*65,124.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,480.92*	
		For Electric Heating Coil, Add	*17,013.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,463.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,463.29*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,141.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,124.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,124.08*	
		For 2 Coils, Independent Circuits, Add	*17,013.08*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	145,489.95	13,217.43
		For Economizer, Panel, Controls And Damper(s), Add	*4,190.26*	
		For Flat Filter Box And Throwaway Filters, Add	*13,604.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,312.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,540.18*	
		For Manual Roll Filter, Add	*52,531.37*	
		For Automatic Roll Filter, Add	*65,192.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,549.00*	
		For Electric Heating Coil, Add	*17,081.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,531.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,531.37*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,209.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,192.16*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,192.16*	
		For 2 Coils, Independent Circuits, Add	*17,081.15*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	152,188.48	13,680.77
		For Economizer, Panel, Controls And Damper(s), Add	*4,275.35*	
		For Flat Filter Box And Throwaway Filters, Add	*14,240.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,263.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,112.70*	
		For Manual Roll Filter, Add	*55,006.55*	
		For Automatic Roll Filter, Add	*68,269.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,218.85*	
		For Electric Heating Coil, Add	*17,871.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,006.55*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,006.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,481.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,269.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,269.12*	
		For 2 Coils, Independent Circuits, Add	*17,871.36*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	159,179.66	14,686.04
		For Economizer, Panel, Controls And Damper(s), Add	*4,450.76*	
		For Flat Filter Box And Throwaway Filters, Add	*14,869.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,199.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,650.01*	
		For Manual Roll Filter, Add	*57,382.05*	
		For Automatic Roll Filter, Add	*71,203.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,917.97*	
		For Electric Heating Coil, Add	*18,682.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,382.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,382.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,739.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,203.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,203.41*	
		For 2 Coils, Independent Circuits, Add	*18,682.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	171,610.51	15,458.98
		For Economizer, Panel, Controls And Damper(s), Add	*4,578.32*	
		For Flat Filter Box And Throwaway Filters, Add	*16,061.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,982.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,604.65*	
		For Manual Roll Filter, Add	*62,048.24*	
		For Automatic Roll Filter, Add	*77,010.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,161.05*	
		For Electric Heating Coil, Add	*20,153.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*62,048.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*62,048.24*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,123.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*77,010.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*77,010.64*	
		For 2 Coils, Independent Circuits, Add	*20,153.53*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	184,519.10	16,309.23
		For Economizer, Panel, Controls And Damper(s), Add	*4,232.85*	
		For Flat Filter Box And Throwaway Filters, Add	*17,285.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,811.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*42,630.50*	
		For Manual Roll Filter, Add	*66,809.09*	
		For Automatic Roll Filter, Add	*82,928.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,451.91*	
		For Electric Heating Coil, Add	*21,675.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*66,809.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*66,809.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,570.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*82,928.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*82,928.15*	
		For 2 Coils, Independent Circuits, Add	*21,675.72*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	198,807.09	17,314.07
		For Economizer, Panel, Controls And Damper(s), Add	*4,372.12*	
		For Flat Filter Box And Throwaway Filters, Add	*18,644.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*27,843.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*45,993.59*	
		For Manual Roll Filter, Add	*72,106.47*	
		For Automatic Roll Filter, Add	*89,515.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,880.71*	
		For Electric Heating Coil, Add	*23,362.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*72,106.47*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*72,106.47*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,289.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*89,515.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*89,515.05*	
		For 2 Coils, Independent Circuits, Add	*23,362.43*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	213,388.02	17,777.83
		For Economizer, Panel, Controls And Damper(s), Add	*4,435.19*	
		For Flat Filter Box And Throwaway Filters, Add	*20,071.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*29,980.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*49,544.23*	
		For Manual Roll Filter, Add	*77,749.65*	
		For Automatic Roll Filter, Add	*96,553.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,338.80*	
		For Electric Heating Coil, Add	*25,099.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*77,749.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*77,749.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,142.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*96,553.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*96,553.27*	
		For 2 Coils, Independent Circuits, Add	*25,099.53*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,466.07	618.25
23 73 13 00-0090	EA	500 CFM Return Air Fan	4,501.18	741.92
23 73 13 00-0091	EA	750 CFM Return Air Fan	4,701.90	772.84
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,373.91	819.22
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	5,535.98	857.86
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	5,662.30	896.51
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	5,942.43	942.89
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	6,614.42	989.26
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	6,930.07	1,035.64
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,103.23	1,082.01
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	7,517.92	1,197.96
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	7,713.35	1,259.79
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	7,897.47	1,313.90
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	8,128.52	1,375.85
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	8,334.64	1,445.41
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	8,719.87	1,615.47
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	9,898.59	1,916.92
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	10,157.19	1,947.84
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	10,274.62	1,955.56
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	10,818.24	1,986.48
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	11,061.48	2,009.67
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	11,638.85	2,087.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	12,404.60	2,125.51
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	14,024.43	2,185.90
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	15,296.34	2,303.28
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	18,218.30	2,403.54
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	19,093.80	2,487.35
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	19,965.83	2,558.47
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	21,153.85	2,813.54
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	22,620.51	2,967.90
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	25,541.56	3,091.46
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	30,116.05	3,400.64
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	37,083.42	3,864.42
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	45,192.08	4,003.88
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	47,311.35	4,119.49
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	48,398.48	4,227.70
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	50,758.84	4,413.10
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	53,314.38	4,630.41
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	57,351.90	4,857.55
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	59,892.87	5,115.05
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	61,833.77	5,406.34
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	66,497.13	5,653.79
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	71,550.52	5,924.22
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	77,034.66	6,222.68
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	84,309.45	6,554.17

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	2,831.32	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	3,840.75	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	4,777.84	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	8,717.48	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,744.07	1,770.38
		For Unit Without Heat, Deduct	*-405.23*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,501.51	1,850.85
		For Unit Without Heat, Deduct	*-448.47*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,769.97	1,931.33
		For Unit Without Heat, Deduct	*-517.25*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,290.66	2,052.04
		For Unit Without Heat, Deduct	*-601.34*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,065.26	2,172.74
		For Unit Without Heat, Deduct	*-648.11*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,717.03	2,333.69
		For Unit Without Heat, Deduct	*-741.43*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,126.35*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,059.28	2,454.39
		For Unit Without Heat, Deduct	*-866.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,126.35*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,821.77	2,615.34
		For Unit Without Heat, Deduct	*-915.44*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,151.88*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,206.46	2,826.17
		For Unit Without Heat, Deduct	*-1,098.76*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,244.02*	
		For Unit Without Roof Curb, Deduct	*-889.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,768.16	3,037.81
		For Unit Without Heat, Deduct	*-1,190.93*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,597.82	3,248.91
		For Unit Without Heat, Deduct	*-1,346.49*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,492.82	3,460.29
		For Unit Without Heat, Deduct	*-1,505.33*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,375.64	3,812.23
		For Unit Without Heat, Deduct	*-1,672.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,269.56	4,164.42
		For Unit Without Heat, Deduct	*-1,791.11*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,515.23	4,556.86
		For Unit Without Heat, Deduct	*-1,929.54*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,503.93	4,949.02
		For Unit Without Heat, Deduct	*-2,105.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,166.67	5,773.86
		For Unit Without Heat, Deduct	*-2,443.26*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	47,252.52	6,598.69
		For Unit Without Heat, Deduct	*-2,802.54*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	51,690.48	7,443.65
		For Unit Without Heat, Deduct	*-3,080.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	59,615.48	8,288.61
		For Unit Without Heat, Deduct	*-3,533.35*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	66,392.94	9,093.32
		For Unit Without Heat, Deduct	*-3,925.87*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,541.63*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	71,790.43	9,898.05
		For Unit Without Heat, Deduct	*-4,249.39*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,541.63*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	76,942.86	10,702.76
		For Unit Without Heat, Deduct	*-4,560.66*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,644.87*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	82,745.81	11,507.49
		For Unit Without Heat, Deduct	*-4,904.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,644.87*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	89,635.97	12,392.68
		For Unit Without Heat, Deduct	*-5,307.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,945.03*	

23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	5,632.08	1,609.44
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	6,576.46	1,850.85
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,297.95	2,132.50
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	9,422.96	2,293.45
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	10,668.28	2,474.51
		For Unit Without Factory Installed Economizer, Deduct	*-1,103.56*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	12,496.01	2,595.22
		For Unit Without Factory Installed Economizer, Deduct	*-1,126.35*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	15,593.97	2,152.62
		For Unit Without Factory Installed Economizer, Deduct	*-1,126.35*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	16,047.41	2,896.99
		For Unit Without Factory Installed Economizer, Deduct	*-1,151.88*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	20,066.00	3,138.40
		For Unit Without Factory Installed Economizer, Deduct	*-1,244.02*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	21,828.94	3,379.82
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	25,377.29	3,621.24
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	32,177.21	3,862.65
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	39,297.18	4,265.02
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	46,417.16	4,613.72
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	47,819.89	5,069.73
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	49,922.04	5,472.09
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	55,578.12	6,397.52
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	61,762.61	7,322.94
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	66,846.48	8,248.37
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	71,368.88	9,173.80
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	78,494.88	10,099.22
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,541.63*	
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	85,319.53	11,024.65
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,541.63*	
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	92,090.98	11,487.37
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,644.87*	
23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	98,937.36	11,929.96
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,644.87*	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	108,786.94	12,392.68
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,945.03*	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	103,517.34	12,875.50
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,945.03*	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	149,688.29	15,128.71
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,945.03*	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	168,552.29	18,428.07
		For Unit Without Factory Installed Economizer, Deduct	*-2,351.59*	
		For Unit Without Roof Curb, Deduct	*-2,945.03*	

23 74 16 13-0056 AAON Rooftop Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

23 74 16 13-0057 AAON RQ Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0058	EA	2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)	14,498.44	1,609.44
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,564.12*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,696.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,336.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,529.03*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0059	EA	3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)	15,797.91	1,850.85
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0060	EA	4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)	16,396.53	2,132.50
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0061	EA	5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)	16,809.14	2,293.45
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0062	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)	18,391.59	2,796.45
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	

23 74 16 13-0063 AAON RNA Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 74 16 13-0064	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	22,304.39	2,474.56
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0065	EA	7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	23,816.39	2,595.27
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0066	EA	8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	27,363.26	2,796.45
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0067	EA	10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	27,630.23	2,896.99
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	

23 74 16 13-0068 AAON RNB Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 74 16 13-0069	EA	9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	32,831.43	2,896.99
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0070	EA	11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	33,092.60	2,816.52
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	
23 74 16 13-0071	EA	13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	36,073.51	3,138.40
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	
23 74 16 13-0072	EA	15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	36,976.93	3,379.82
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	

23 74 16 13-0073 AAON RNC Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0074	EA	16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	47,735.25	3,379.82
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0075	EA	18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	51,571.40	3,621.24
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0076	EA	20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	54,643.03	3,862.65
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0077	EA	25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	59,067.30	4,667.37
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0078	EA	30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	66,970.75	5,472.09
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	

23 74 16 13-0079 AAON RND Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0080	EA	26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	89,966.16	4,667.37
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0081	EA	31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	102,496.79	5,472.09
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0082	EA	40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	120,678.47	7,322.94
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0083	EA	50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	141,469.51	9,173.80
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0084	EA	60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	155,304.75	11,024.65
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0085	EA	70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	163,397.46	11,930.01
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0086		AAON RNE Rooftop Units *(23 74 16 13-0056)*		
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087	EA	55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	150,972.69	10,099.22
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0088	EA	65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	166,271.45	11,487.42
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0089	EA	75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	176,775.51	12,392.68
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0090	EA	95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	213,790.20	16,778.39
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0091	EA	105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	231,486.20	19,152.32
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0092	EA	120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	270,041.02	21,083.63
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0093	EA	130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	276,587.97	22,371.18
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0094	EA	140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	289,751.57	25,026.77
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0095		Removal And Reinstallation Of Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*		
		Note: Includes storage and cleaning.		
23 74 16 13-0096	EA	Removal And Reinstallation Of Up To 5 Ton, Roof Top Unit	619.06	
23 74 16 13-0097	EA	Removal And Reinstallation Of >5 To 10 Ton, Roof Top Unit	844.18	
23 74 16 13-0098	EA	Removal And Reinstallation Of >10 To 15 Ton, Roof Top Unit	1,125.46	
23 74 16 13-0099	EA	Removal And Reinstallation Of >15 To 25 Ton, Roof Top Unit	1,800.16	
23 74 16 13-0100	EA	Removal And Reinstallation Of >25 To 50 Ton, Roof Top Unit	3,150.77	
23 74 16 13-0101	EA	Removal And Reinstallation Of >50 To 75 Ton, Roof Top Unit	4,501.83	
23 74 16 13-0102		Packaged Rooftop Units (Trane, Carrier Or Equal) *(23 74 16 13)*		
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0103		Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*		
23 74 16 13-0104		Standard Efficiency Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0103)*		
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.		
23 74 16 13-0105	EA	3 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC036)	11,374.63	1,850.85
		For Factory Installed Economizer, Add	*1,138.98*	
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0106	EA	4 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC048)	12,665.14	2,132.50
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0107	EA	5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC060)	13,821.29	2,293.45
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0108	EA	6 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC072)	15,252.95	2,474.56
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0109	EA	7.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC092)	17,843.71	2,595.27
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0110	EA	8.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC102)	19,376.22	2,796.45
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0111	EA	10 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC120)	25,609.57	2,896.99
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0112	EA	12.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD150)	29,401.56	3,138.40
		For Economizer, Add	*2,167.10*	
		For Roof Curb, Add	*835.04*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0113	EA	15 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD180)	32,121.00	3,379.82
		For Economizer, Add	*2,167.10*	
		For Roof Curb, Add	*835.04*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0114	EA	17.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD210)	37,074.74	3,621.24
		For Economizer, Add	*2,167.10*	
		For Roof Curb, Add	*835.04*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0115	EA	20 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD240)	40,500.35	3,862.65
		For Economizer, Add	*2,167.10*	
		For Roof Curb, Add	*835.04*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0116	EA	25 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD300)	46,734.78	4,667.37
		For Economizer, Add	*2,167.10*	
		For Roof Curb, Add	*835.04*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0117	EA	27.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD330)	50,984.34	5,069.73
		For Factory Installed BACnet, Add	*975.20*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*4,848.90*	
		For Roof Curb, Add	*1,464.48*	
23 74 16 13-0118	EA	30 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD360)	53,745.62	5,472.09
		For Factory Installed BACnet, Add	*975.20*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*4,848.90*	
		For Roof Curb, Add	*1,464.48*	
23 74 16 13-0119	EA	35 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD420)	60,334.63	6,397.52
		For Factory Installed BACnet, Add	*975.20*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*4,848.90*	
		For Roof Curb, Add	*1,464.48*	
23 74 16 13-0120	EA	40 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD480)	65,765.68	7,322.94
		For Factory Installed BACnet, Add	*975.20*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*4,848.90*	
		For Roof Curb, Add	*1,670.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0121	EA	50 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD600)	76,648.63	9,173.80
		For Factory Installed BACnet, Add	*975.20*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*4,848.90*	
		For Roof Curb, Add	*1,670.32*	
23 74 16 13-0122	EA	55 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	111,188.22	10,099.22
		For Economizer And Powered Exhaust, Add	*13,117.63*	
		For Roof Curb, Add	*2,647.86*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
23 74 16 13-0123	EA	60 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	119,724.88	11,024.65
		For Economizer And Powered Exhaust, Add	*14,854.33*	
		For Roof Curb, Add	*2,948.29*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
23 74 16 13-0124	EA	70 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	134,398.50	11,930.01
		For Economizer And Powered Exhaust, Add	*15,421.67*	
		For Roof Curb, Add	*2,948.29*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
23 74 16 13-0125	EA	75 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF754)	145,560.50	12,392.68
		For Roof Curb, Add	*2,948.29*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*16,093.43*	
23 74 16 13-0126	EA	90 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKC904)	175,496.23	15,128.71
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
23 74 16 13-0127	EA	105 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKD114)	191,119.43	19,152.32
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	

23 74 16 13-0128 High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0103)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0129	EA	3 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC036)	12,149.14	1,850.85
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0130	EA	4 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC048)	13,766.16	2,132.50
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0131	EA	5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC060)	15,066.58	2,293.45
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0132	EA	6 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC072)	16,467.86	2,474.56
		For Roof Curb, Add	*742.80*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0133	EA	7.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC092)	23,753.12	2,595.27
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,126.37*	
23 74 16 13-0134	EA	8.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC102)	25,475.45	2,796.45
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,126.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0135	EA	10 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC120)	27,754.65	2,896.99
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,151.88*	
23 74 16 13-0136	EA	12.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD150)	32,026.91	3,138.40
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,244.02*	
23 74 16 13-0137	EA	15 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD180)	34,345.81	3,379.82
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	
23 74 16 13-0138	EA	17.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD210)	39,922.19	3,621.24
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	
23 74 16 13-0139	EA	20 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD240)	43,970.45	3,862.65
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	
23 74 16 13-0140	EA	25 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD300)	59,024.37	4,667.37
		For Roof Curb, Add	*891.36*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	
23 74 16 13-0141	EA	30 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF304)	74,621.33	5,472.09
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*7,317.14*	
		For Roof Curb, Add	*1,345.71*	
23 74 16 13-0142	EA	40 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF404)	99,414.86	7,322.94
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*8,234.86*	
		For Roof Curb, Add	*2,045.91*	
23 74 16 13-0143	EA	50 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF504)	114,236.87	9,173.80
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Economizer And Powered Exhaust, Add	*12,075.78*	
		For Roof Curb, Add	*2,045.91*	
23 74 16 13-0144	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	126,792.24	10,099.22
		For Economizer And Powered Exhaust, Add	*13,117.63*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Roof Curb, Add	*2,544.30*	
23 74 16 13-0145	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	134,641.72	11,024.65
		For Economizer And Powered Exhaust, Add	*14,854.33*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Roof Curb, Add	*2,544.30*	
23 74 16 13-0146	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	150,860.55	11,930.01
		For Economizer And Powered Exhaust, Add	*15,421.67*	
		For Roof Curb, Add	*2,647.86*	
		For Factory Installed BACnet, Add	*1,346.67*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	

23 74 16 13-0147 Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0148	EA	3 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC036E)	8,995.89	1,665.77
		For Roof Curb, Add	*742.80*	
		For Factory Installed Economizer, Add	*1,103.56*	
		For Factory Installed BACnet, Add	*2,199.72*	
		For Demand Control Ventilation, Add	*2,430.98*	
23 74 16 13-0149	EA	4 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC048F)	10,054.01	1,919.31
		For Roof Curb, Add	*742.80*	
		For Factory Installed Economizer, Add	*1,103.56*	
		For Factory Installed BACnet, Add	*2,626.50*	
		For Demand Control Ventilation, Add	*2,430.98*	
23 74 16 13-0150	EA	5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC060E)	10,984.75	2,064.16
		For Roof Curb, Add	*742.80*	
		For Factory Installed Economizer, Add	*1,103.56*	
		For Factory Installed BACnet, Add	*2,626.50*	
		For Demand Control Ventilation, Add	*2,430.98*	
23 74 16 13-0151	EA	6 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC072F)	12,292.71	2,227.04
		For Roof Curb, Add	*742.80*	
		For Factory Installed Economizer, Add	*1,103.56*	
		For Factory Installed BACnet, Add	*2,626.50*	
		For Demand Control Ventilation, Add	*2,430.98*	
23 74 16 13-0152	EA	7.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC090F)	14,348.89	2,335.72
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*1,126.37*	
		For Factory Installed BACnet, Add	*2,820.15*	
		For Demand Control Ventilation, Add	*2,486.31*	
23 74 16 13-0153	EA	8.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC102F)	15,597.97	2,516.73
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*1,126.37*	
		For Factory Installed BACnet, Add	*2,820.15*	
		For Demand Control Ventilation, Add	*2,486.31*	
23 74 16 13-0154	EA	10 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC120F)	17,110.00	2,607.29
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*1,151.88*	
		For Factory Installed BACnet, Add	*2,820.15*	
		For Demand Control Ventilation, Add	*2,486.31*	
23 74 16 13-0155	EA	12.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*150F)	19,147.61	2,824.57
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*1,244.02*	
		For Factory Installed BACnet, Add	*3,760.20*	
		For Demand Control Ventilation, Add	*3,041.52*	
23 74 16 13-0156	EA	15 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*180F)	21,595.97	3,041.84
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Factory Installed BACnet, Add	*3,760.20*	
		For Demand Control Ventilation, Add	*3,041.52*	
23 74 16 13-0157	EA	17.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*210F)	25,604.31	3,259.12
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Factory Installed BACnet, Add	*3,760.20*	
		For Demand Control Ventilation, Add	*3,041.52*	
23 74 16 13-0158	EA	20 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*240)	28,336.70	3,476.38
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Factory Installed BACnet, Add	*5,248.60*	
		For Demand Control Ventilation, Add	*3,041.52*	
23 74 16 13-0159	EA	25 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*300)	32,737.00	4,200.63
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*891.36*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Factory Installed BACnet, Add	*5,248.60*	
		For Demand Control Ventilation, Add	*3,437.55*	
23 74 16 13-0160	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*55)	110,469.98	9,089.36
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Roof Curb, Add	*2,544.30*	
		For Demand Control Ventilation, Add	*4,852.91*	
		For Factory Installed BACnet, Add	*13,787.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0161	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*60)	120,521.51	9,922.18
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Roof Curb, Add	*2,544.30*	
		For Demand Control Ventilation, Add	*4,852.91*	
		For Factory Installed BACnet, Add	*13,787.39*	
23 74 16 13-0162	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*70)	133,244.45	10,736.99
		For Roof Curb, Add	*2,647.86*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,071.80*	
		For Factory Installed Economizer, Add	*2,351.59*	
		For Demand Control Ventilation, Add	*7,986.11*	
		For Factory Installed BACnet, Add	*13,787.39*	
23 74 16 13-0163		Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*		
		See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0164		High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0163)*		
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.		
23 74 16 13-0165	EA	3 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC036)	7,864.64	1,665.77
		For Roof Curb, Add	*742.80*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0166	EA	4 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC048)	8,948.13	1,919.31
		For Roof Curb, Add	*742.80*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0167	EA	5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC060)	9,783.29	2,064.16
		For Roof Curb, Add	*742.80*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0168	EA	6 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC072)	10,596.97	2,227.04
		For Roof Curb, Add	*742.80*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0169	EA	7.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC092)	14,101.06	2,335.72
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,126.37*	
23 74 16 13-0170	EA	8.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC102)	15,113.58	2,516.73
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,126.37*	
23 74 16 13-0171	EA	10 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC120)	16,415.97	2,607.29
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,151.88*	
23 74 16 13-0172	EA	12.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD150)	20,191.77	2,824.57
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,427.52*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,244.02*	
23 74 16 13-0173	EA	15 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD180)	21,423.92	3,041.84
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,427.52*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0174	EA	17.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD210)	25,127.38	3,259.12
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	
23 74 16 13-0175	EA	20 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD240)	27,264.16	3,476.38
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	
23 74 16 13-0176	EA	25 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD300)	30,061.33	4,200.63
		For Roof Curb, Add	*891.36*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*2,179.09*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,351.59*	

23 74 16 13-0177 Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0178 Standard Efficiency Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0177)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 74 16 13-0179	EA	3 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC036)	8,553.29	1,665.77
		For Roof Curb, Add	*742.80*	
		For High Efficiency, Add	*775.70*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0180	EA	4 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC048)	9,470.66	1,919.31
		For Roof Curb, Add	*742.80*	
		For High Efficiency, Add	*846.68*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0181	EA	5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC060)	10,402.86	2,064.16
		For Roof Curb, Add	*742.80*	
		For High Efficiency, Add	*937.21*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0182	EA	6 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC072)	11,359.20	2,227.04
		For Roof Curb, Add	*742.80*	
		For High Efficiency, Add	*1,027.75*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,103.56*	
23 74 16 13-0183	EA	7.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC090)	12,788.64	2,335.72
		For Roof Curb, Add	*891.36*	
		For High Efficiency, Add	*1,185.11*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,126.37*	
23 74 16 13-0184	EA	8.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC102)	15,220.65	2,516.73
		For Roof Curb, Add	*891.36*	
		For High Efficiency, Add	*1,453.46*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,126.37*	
23 74 16 13-0185	EA	10 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC120)	17,531.93	2,607.29
		For Roof Curb, Add	*891.36*	
		For High Efficiency, Add	*1,721.80*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*975.20*	
		For Demand Control Ventilation, Add	*1,764.73*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,151.88*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 74 16 13-0186	EA	12.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD150)	21,889.53	2,824.57
			For Roof Curb, Add	*891.36*	
			For High Efficiency, Add	*2,220.12*	
			For Factory Installed Electric Heat, Add	*1,427.52*	
			For Factory Installed BACnet, Add	*975.20*	
			For Demand Control Ventilation, Add	*2,179.09*	
			Note: Includes ventilation module and CO2 wall mounted sensor kit.		
			For Factory Installed Economizer, Add	*1,244.02*	
	23 74 16 13-0187	EA	15 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD180)	23,893.23	3,041.84
			For Roof Curb, Add	*891.36*	
			For High Efficiency, Add	*2,430.09*	
			For Factory Installed Electric Heat, Add	*1,427.52*	
			For Factory Installed BACnet, Add	*975.20*	
			For Demand Control Ventilation, Add	*2,179.09*	
			Note: Includes ventilation module and CO2 wall mounted sensor kit.		
			For Factory Installed Economizer, Add	*2,351.59*	
	23 74 16 13-0188	EA	20 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD240)	31,507.53	3,476.38
			For Roof Curb, Add	*891.36*	
			For High Efficiency, Add	*3,291.86*	
			For Factory Installed Electric Heat, Add	*1,647.72*	
			For Factory Installed BACnet, Add	*975.20*	
			For Demand Control Ventilation, Add	*2,179.09*	
			Note: Includes ventilation module and CO2 wall mounted sensor kit.		
			For Factory Installed Economizer, Add	*2,351.59*	

23 74 16 13-0189 Trane Curb Adapters *(23 74 16 13)*

Note: All adapter selections assume the existing unit rests on a factory standard curb. The new unit reference is based on current Trane units, Precedent and Voyager II models only. The existing unit reference is based on Trane, Carrier, York or Lennox units only. Non-standard L-shape and/or duct shroud configurations were not considered. Trane Intellipak or Voyager III footprints are not considered. Some units have larger than normal sizes or multiple footprints possible, which were not considered. Step-sized replacements (installing new unit that is either larger or smaller capacity than existing) are not considered.

23 74 16 13-0190	EA	3 To 5 Ton, Trane Curb Adapter	1,589.58	
23 74 16 13-0191	EA	6 To 7-1/2 Ton, Trane Curb Adapter	2,077.18	
23 74 16 13-0192	EA	8-1/2 To 10 Ton, Trane Curb Adapter	2,174.70	
23 74 16 13-0193	EA	12-1/2 Ton, Standard Efficiency, Trane Curb Adapter	2,379.49	
23 74 16 13-0194	EA	12-1/2 Ton, High Efficiency, Trane Curb Adapter	2,428.25	
23 74 16 13-0195	EA	15 Ton, Trane Curb Adapter	2,662.30	
23 74 16 13-0196	EA	17-1/2 Ton, Trane Curb Adapter	2,681.80	
23 74 16 13-0197	EA	20 Ton, Trane Curb Adapter	2,993.86	
23 74 16 13-0198	EA	25 Ton, Trane Curb Adapter	3,413.20	

23 74 16 13-0199 Condenser Coil Guards *(23 74 16 13)*

23 74 16 13-0200	EA	Condenser Coil Guard (Trane BAYGARD058A) Note: Coil Guard for TTA/TWA061, TTA/TWA073, TTA/TWA076 and CTA/TTA/TWA090 Condenser Coils.	1,095.62	84.41
23 74 16 13-0201	EA	Condenser Coil Guard (Trane BAYGARD059A) Note: Coil Guard for TTA086, TTA101 and CTA/TTA120 Condenser Coils.	1,393.25	98.47
23 74 16 13-0202	EA	Condenser Coil Guard (Trane BAYGARD060A) Note: Coil Guard for TWA101, TWA120, TTA126 and TTA150 Condenser Coils.	1,487.09	112.54
23 74 16 13-0203	EA	Condenser Coil Guard (Trane BAYGARD061A) Note: Coil Guard for TTA/TWA156, CTA/TTA/TWA180, TTA/TWA201 and TTA/TWA240 Condenser Coils.	1,985.19	126.61
23 74 16 13-0204	EA	Condenser Coil Guard (Trane BAYGARD062A) Note: Coil Guard for TTA300 and TTA251 Split-System Air Conditioners.	2,203.94	140.68

23 74 16 13-0205 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0206 Packaged Rooftop Heat Pump Units *(23 74 16 13-0205)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0207	EA	2 Ton Packaged Rooftop Heat Pump	6,780.95	1,448.49
		For Economizer With Outside Air Control, Add	*1,984.09*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*242.48*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0208	EA	2.5 Ton Packaged Rooftop Heat Pump	7,138.96	1,557.19
		For Economizer With Outside Air Control, Add	*2,101.27*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.14*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0209	EA	3 Ton Packaged Rooftop Heat Pump	7,550.28	1,665.77
		For Economizer With Outside Air Control, Add	*2,229.66*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*266.46*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0210	EA	3.5 Ton Packaged Rooftop Heat Pump	8,102.10	1,792.49
		For Economizer With Outside Air Control, Add	*2,166.06*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*285.60*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0211	EA	4 Ton Packaged Rooftop Heat Pump	8,654.16	1,919.31
		For Economizer With Outside Air Control, Add	*2,315.68*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*304.76*	
		For Unit Without Roof Curb, Deduct	*-741.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0212	EA	5 Ton Packaged Rooftop Heat Pump	9,275.38	2,064.16
		For Economizer With Outside Air Control, Add	*2,485.02*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*260.93*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0213	EA	6 Ton Packaged Rooftop Heat Pump	10,437.72	2,227.04
		For Economizer With Outside Air Control, Add	*2,754.32*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*224.05*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0214	EA	7.5 Ton Packaged Rooftop Heat Pump	13,435.20	2,335.72
		For Economizer With Outside Air Control, Add	*2,795.64*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*309.63*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0215	EA	8.5 Ton Packaged Rooftop Heat Pump	15,029.93	2,516.73
		For Economizer With Outside Air Control, Add	*2,962.01*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*350.23*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0216	EA	10 Ton Packaged Rooftop Heat Pump	16,162.48	2,607.29
		For Economizer With Outside Air Control, Add	*3,006.80*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.72*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0217	EA	12.5 Ton Packaged Rooftop Heat Pump	18,754.61	2,824.57
		For Economizer With Outside Air Control, Add	*3,381.90*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*299.77*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0218	EA	15 Ton Packaged Rooftop Heat Pump	21,346.74	3,041.84
		For Economizer With Outside Air Control, Add	*3,756.99*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*345.82*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0219	EA	17.5 Ton Packaged Rooftop Heat Pump	23,911.56	3,259.12
		For Economizer With Outside Air Control, Add	*4,129.35*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*391.32*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0220	EA	20 Ton Packaged Rooftop Heat Pump	26,476.38	3,476.38
		For Economizer With Outside Air Control, Add	*4,501.71*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*436.82*	
		For Unit Without Roof Curb, Deduct	*-889.74*	

23 74 16 13-0221 Heating Only Packaged Rooftop Units *(23 74 16 13-0205)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0222	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	6,734.31	1,448.49
		For Gas Heat, Add	*432.78*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0223	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,911.84	1,665.77
		For Gas Heat, Add	*509.41*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0224	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	10,825.97	1,919.31
		For Gas Heat, Add	*706.64*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0225	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	12,212.56	2,064.16
		For Gas Heat, Add	*799.84*	
		For Unit Without Roof Curb, Deduct	*-741.45*	
23 74 16 13-0226	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	14,350.33	2,335.72
		For Gas Heat, Add	*942.24*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0227	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	16,163.64	2,516.73
		For Gas Heat, Add	*1,064.34*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0228	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	19,125.38	2,607.29
		For Gas Heat, Add	*1,269.25*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0229	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	24,839.62	3,041.84
		For Gas Heat, Add	*1,657.66*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0230	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	32,799.53	3,259.12
		For Gas Heat, Add	*2,209.06*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0231	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	38,285.18	3,476.38
		For Gas Heat, Add	*2,587.26*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0232	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	49,777.04	3,838.51
		For Gas Heat, Add	*3,382.03*	
		For Unit Without Roof Curb, Deduct	*-889.74*	
23 74 16 13-0233	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	62,249.49	4,884.65
		For Gas Heat, Add	*4,235.79*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0234	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	76,588.21	4,924.88
		For Gas Heat, Add	*5,229.84*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	
23 74 16 13-0235	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	93,286.59	5,757.82
		For Gas Heat, Add	*6,376.52*	
		For Unit Without Roof Curb, Deduct	*-1,343.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0236	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	120,992.55	7,423.59
		For Gas Heat, Add	*8,271.52*	
		For Unit Without Roof Curb, Deduct	*-2,043.47*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0967 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,850.89	482.83
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,113.85*	
		For Equipment Base Roof Curb, Add	*957.22*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,163.70	547.21
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,772.82*	
		For Equipment Base Roof Curb, Add	*1,242.83*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,170.89	643.78
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,929.38*	
		For Equipment Base Roof Curb, Add	*1,739.17*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,278.03	686.70
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,937.38*	
		For Equipment Base Roof Curb, Add	*1,750.15*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	19,551.65	772.53
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,479.23*	
		For Equipment Base Roof Curb, Add	*2,405.33*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	29,692.42	965.66
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,424.89*	
		For Equipment Base Roof Curb, Add	*3,663.27*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	16,328.97	482.83
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,657.28*	
		For Equipment Base Roof Curb, Add	*2,016.98*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	23,395.16	547.21
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,742.26*	
		For Equipment Base Roof Curb, Add	*2,896.77*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	28,999.43	643.78
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,377.94*	
		For Equipment Base Roof Curb, Add	*3,592.74*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	37,536.44	772.53
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*10,874.67*	
		For Equipment Base Roof Curb, Add	*4,653.43*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	60,788.46	965.66
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*17,753.71*	
		For Equipment Base Roof Curb, Add	*7,550.27*	

23 75 Custom-Packaged Outdoor HVAC Equipment *(23 70)*

23 75 16 Custom-Packaged, Rooftop Air-Conditioning Units *(23 75)*

23 75 16 00-0001 Custom Rooftop Units *(23 75 16)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Rooftop Unit. Excludes crane and associated personnel. Excludes balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0967 for crane lifting equipment, 26 05 83 00-0000 for reconnecting existing control wires and electrical wires.

23 75 16 00-0002	EA	15 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	139,763.15	5,282.12
23 75 16 00-0003	EA	17.5 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	149,572.86	5,522.21
23 75 16 00-0004	EA	20 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	162,367.56	6,002.41
23 75 16 00-0005	EA	25 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	212,266.67	6,242.50
23 75 16 00-0006	EA	30 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	272,589.56	7,683.07
23 75 16 00-0007	EA	35 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	299,788.15	8,283.32
23 75 16 00-0008	EA	40 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	328,056.21	8,883.56
23 75 16 00-0009	EA	45 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	361,095.37	9,603.85
23 75 16 00-0010	EA	50 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	410,922.76	10,324.13

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,476.35	337.64
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,744.67	393.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,268.03	450.19
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,466.15	506.46
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,835.46	562.73
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,050.70	619.00

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,845.07	320.23
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,936.05	330.60
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,484.18	459.13
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,538.78	541.97
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,120.47	793.43
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,314.90	846.33
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,523.43	952.12
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,098.41	1,190.16
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,069.61	1,555.76
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,235.89	1,586.87
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,816.19	1,763.22
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	15,780.23	2,755.02
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	17,731.50	2,874.77
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	19,704.56	3,005.43

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,030.09	211.03
		For >35 To 70, Deduct	*-48.24*	
		For >70 To 100, Deduct	*-80.40*	
		For >100, Deduct	*-112.56*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,124.24	244.67
		For >35 To 70, Deduct	*-49.06*	
		For >70 To 100, Deduct	*-81.77*	
		For >100, Deduct	*-114.48*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,248.18	260.74
		For >35 To 70, Deduct	*-51.78*	
		For >70 To 100, Deduct	*-86.30*	
		For >100, Deduct	*-120.82*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,429.70	280.28
		For >35 To 70, Deduct	*-56.08*	
		For >70 To 100, Deduct	*-93.47*	
		For >100, Deduct	*-130.86*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,153.02	217.10
		For >35 To 70, Deduct	*-51.59*	
		For >70 To 100, Deduct	*-85.98*	
		For >100, Deduct	*-120.37*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,269.66	244.67
		For >35 To 70, Deduct	*-53.43*	
		For >70 To 100, Deduct	*-89.04*	
		For >100, Deduct	*-124.66*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,353.56	260.74
		For >35 To 70, Deduct	*-54.94*	
		For >70 To 100, Deduct	*-91.57*	
		For >100, Deduct	*-128.20*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,568.80	280.28
		For >35 To 70, Deduct	*-60.25*	
		For >70 To 100, Deduct	*-100.42*	
		For >100, Deduct	*-140.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0012		Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*		
		Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	93.25	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	105.04	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	116.83	
23 81 13 11-0016		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*		
		Note: Includes storage and cleaning.		
23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	225.09	
23 81 13 12		**Packaged Terminal Air-Conditioners, Freestanding Units** *(23 81 13)*		
23 81 13 12-0001		Portable Air Condioning Unit *(23 81 13 12)*		
23 81 13 12-0002	EA	11,800 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 12)	5,175.19	
		For HDK 12", 2X2 Metal, With Flex, Add	*226.65*	
		For C PLEN-OP12/18- LAY84270-008A, Add	*534.89*	
23 81 13 12-0003	EA	16,800 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 18)	5,725.83	
		For HDK 12", 2X2 Metal, With Flex, Add	*226.65*	
		For C PLEN-OP12/18- LAY84270-008A, Add	*534.89*	
23 81 13 12-0004	EA	24,000 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 24)	6,610.23	
		For HDK 12", 2X2 Metal, With Flex, Add	*226.65*	
		For C PLEN-OP12/18- LAY84270-008A, Add	*534.89*	
23 81 13 13		**Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units** *(23 81 13)*		
23 81 13 13-0001		Single Package Vertical Wall Cooling Unit *(23 81 13 13)*		
		Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.		
23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,026.37	256.13
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,946.33	268.33
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,400.79	280.53
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,963.38	304.92
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,008.89	353.71
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,095.90	439.08
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	17,819.07	487.87
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	19,621.92	548.86
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	22,072.34	658.62
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,536.55	817.19
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,025.19	1,097.72
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	47,731.23	1,341.65
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	54,983.66	1,597.78
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	65,731.59	1,792.93
23 81 16		**Room Air-Conditioners** *(23 81)*		
		Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001		Window Unit, Room Air-Conditioners *(23 81 16)*		
23 81 16 00-0002		Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0003		Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*		
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	495.93	118.17
		For >10 To 50, Deduct	*-12.98*	
		For >50 To 75, Deduct	*-18.17*	
		For >75 To 100, Deduct	*-25.96*	
		For >100, Deduct	*-31.15*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	522.01	118.17
		For >10 To 50, Deduct	*-14.28*	
		For >50 To 75, Deduct	*-20.00*	
		For >75 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-34.28*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	587.23	118.17
		For >10 To 50, Deduct	*-17.54*	
		For >50 To 75, Deduct	*-24.56*	
		For >75 To 100, Deduct	*-35.09*	
		For >100, Deduct	*-42.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	678.54	118.17
		For >10 To 50, Deduct	*-22.11*	
		For >50 To 75, Deduct	*-30.95*	
		For >75 To 100, Deduct	*-44.22*	
		For >100, Deduct	*-53.06*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	795.94	118.17
		For >10 To 50, Deduct	*-27.98*	
		For >50 To 75, Deduct	*-39.17*	
		For >75 To 100, Deduct	*-55.96*	
		For >100, Deduct	*-67.15*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	926.38	118.17
		For >10 To 50, Deduct	*-34.50*	
		For >50 To 75, Deduct	*-48.30*	
		For >75 To 100, Deduct	*-69.00*	
		For >100, Deduct	*-82.80*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	874.20	118.17
		For >10 To 50, Deduct	*-31.89*	
		For >50 To 75, Deduct	*-44.65*	
		For >75 To 100, Deduct	*-63.79*	
		For >100, Deduct	*-76.54*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	939.42	118.17
		For >10 To 50, Deduct	*-35.15*	
		For >50 To 75, Deduct	*-49.21*	
		For >75 To 100, Deduct	*-70.31*	
		For >100, Deduct	*-84.37*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	991.60	118.17
		For >10 To 50, Deduct	*-37.76*	
		For >50 To 75, Deduct	*-52.87*	
		For >75 To 100, Deduct	*-75.53*	
		For >100, Deduct	*-90.63*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,043.77	118.17
		For >10 To 50, Deduct	*-40.37*	
		For >50 To 75, Deduct	*-56.52*	
		For >75 To 100, Deduct	*-80.74*	
		For >100, Deduct	*-96.89*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,148.13	118.17
		For >10 To 50, Deduct	*-45.59*	
		For >50 To 75, Deduct	*-63.82*	
		For >75 To 100, Deduct	*-91.18*	
		For >100, Deduct	*-109.41*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,161.17	118.17
		For >10 To 50, Deduct	*-46.24*	
		For >50 To 75, Deduct	*-64.74*	
		For >75 To 100, Deduct	*-92.48*	
		For >100, Deduct	*-110.98*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,912.75	118.17
		For >10 To 50, Deduct	*-83.82*	
		For >50 To 75, Deduct	*-117.35*	
		For >75 To 100, Deduct	*-167.64*	
		For >100, Deduct	*-201.17*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,029.60	118.17
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,229.06	118.17
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,319.72	118.17
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,355.98	118.17
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,682.36	118.17
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,498.30	118.17
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,770.28	118.17
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,132.92	118.17

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	991.60	118.17
		For >10 To 50, Deduct	*-37.76*	
		For >50 To 75, Deduct	*-52.87*	
		For >75 To 100, Deduct	*-75.53*	
		For >100, Deduct	*-90.63*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,135.08	118.17
		For >10 To 50, Deduct	*-44.94*	
		For >50 To 75, Deduct	*-62.91*	
		For >75 To 100, Deduct	*-89.87*	
		For >100, Deduct	*-107.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,213.35	118.17
		For >10 To 50, Deduct	*-48.85*	
		For >50 To 75, Deduct	*-68.39*	
		For >75 To 100, Deduct	*-97.70*	
		For >100, Deduct	*-117.24*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,500.31	118.17
		For >10 To 50, Deduct	*-63.20*	
		For >50 To 75, Deduct	*-88.48*	
		For >75 To 100, Deduct	*-126.40*	
		For >100, Deduct	*-151.68*	
23 81 16 00-0032		**Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0026)*		
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,446.64	118.17
23 81 16 00-0034		**Accessories** *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	602.22	63.17
23 81 16 00-0036		**Removal And Reinstallation Of Room Air-Conditioners** *(23 81 16)* Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	140.68	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	302.02	
23 81 16 00-0039		**Through-The-Wall, Room Air-Conditioners** *(23 81 16)* Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		**Cooling Only, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0041		**Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,526.91	84.41
		For >10 To 50, Deduct	*-67.90*	
		For >50 To 75, Deduct	*-95.07*	
		For >75 To 100, Deduct	*-135.81*	
		For >100, Deduct	*-162.97*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,653.83	84.41
		For >10 To 50, Deduct	*-74.25*	
		For >50 To 75, Deduct	*-103.95*	
		For >75 To 100, Deduct	*-148.50*	
		For >100, Deduct	*-178.20*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,889.55	84.41
		For >10 To 50, Deduct	*-86.04*	
		For >50 To 75, Deduct	*-120.45*	
		For >75 To 100, Deduct	*-172.07*	
		For >100, Deduct	*-206.49*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,653.83	84.41
		For >10 To 50, Deduct	*-74.25*	
		For >50 To 75, Deduct	*-103.95*	
		For >75 To 100, Deduct	*-148.50*	
		For >100, Deduct	*-178.20*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,889.55	84.41
		For >10 To 50, Deduct	*-86.04*	
		For >50 To 75, Deduct	*-120.45*	
		For >75 To 100, Deduct	*-172.07*	
		For >100, Deduct	*-206.49*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	
23 81 16 00-0047		**Heating And Cooling, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0048		**Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0047)*		
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,943.94	84.41
		For >10 To 50, Deduct	*-88.76*	
		For >50 To 75, Deduct	*-124.26*	
		For >75 To 100, Deduct	*-177.51*	
		For >100, Deduct	*-213.01*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	2,089.00	84.41
		For >10 To 50, Deduct	*-96.01*	
		For >50 To 75, Deduct	*-134.41*	
		For >75 To 100, Deduct	*-192.02*	
		For >100, Deduct	*-230.42*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	40,541.42	2,402.18
		For Liebert Unit, Add	*4,616.77*	
23 81 23 12-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	44,748.92	2,627.37
		For Liebert Unit, Add	*5,098.26*	
23 81 23 12-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	62,110.20	3,002.72
		For Liebert Unit, Add	*7,205.51*	
23 81 23 12-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	68,008.76	3,190.39
		For Liebert Unit, Add	*7,907.94*	
23 81 23 12-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	73,907.32	3,378.06
		For Liebert Unit, Add	*8,610.37*	
23 81 23 12-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	82,725.95	4,053.67
		For Liebert Unit, Add	*9,576.17*	
23 81 23 12-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	93,505.26	4,504.08
		For Liebert Unit, Add	*10,850.76*	
23 81 23 12-0009	EA	22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	97,838.86	4,652.64
		For Liebert Unit, Add	*11,360.44*	
23 81 23 12-0010	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	106,581.45	4,804.35
		For Liebert Unit, Add	*12,420.87*	
23 81 23 12-0011	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	115,238.63	5,404.89
		For Liebert Unit, Add	*13,399.96*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	24,230.15	1,645.98
		For Liebert Unit, Add	*2,754.44*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,035.66	1,823.24
		For Liebert Unit, Add	*2,950.59*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	32,177.08	2,777.06
		For Liebert Unit, Add	*3,559.29*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	33,645.57	2,813.65
		For Liebert Unit, Add	*3,736.81*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,938.11	2,926.19
		For Liebert Unit, Add	*3,877.69*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,749.09	3,207.55
		For Liebert Unit, Add	*3,934.04*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,918.16	3,488.92
		For Liebert Unit, Add	*4,159.46*	

23 81 23 12-0020 Floor Mounted Water Source *(23 81 23 12)*

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,744.24	1,501.36
		For Liebert Unit, Add	*2,062.56*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,633.97	1,576.43
		For Liebert Unit, Add	*2,284.69*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	26,774.63	1,651.50
		For Liebert Unit, Add	*3,038.32*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,852.38	1,801.63
		For Liebert Unit, Add	*3,268.37*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,361.31	1,876.93
		For Liebert Unit, Add	*3,442.90*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,870.23	1,951.77
		For Liebert Unit, Add	*3,617.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,116.17	2,101.90
		For Liebert Unit, Add	*3,744.35*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,573.61	2,252.04
		For Liebert Unit, Add	*3,903.01*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	35,603.60	2,402.18
		For Liebert Unit, Add	*4,005.25*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	40,648.84	2,852.58
		For Liebert Unit, Add	*4,548.22*	
23 81 23 12-0031		Floor Mounted Glycol System Type *(23 81 23 12)*		
		Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	49,438.64	1,645.98
		For Drycooler, Add	*17,632.72*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	53,190.34	1,823.24
		For Drycooler, Add	*18,981.27*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	69,644.63	2,042.71
		For Drycooler, Add	*24,784.16*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	80,595.61	2,262.17
		For Drycooler, Add	*28,660.90*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	85,153.74	2,371.90
		For Drycooler, Add	*30,278.19*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	90,949.00	2,481.63
		For Drycooler, Add	*32,328.48*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	97,130.56	2,591.93
		For Drycooler, Add	*34,513.97*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	104,311.06	2,689.84
		For Drycooler, Add	*37,049.09*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	111,097.19	2,813.65
		For Drycooler, Add	*39,449.56*	
		Note: Installation is externally mounted.		
		For 10 HP Gylcol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	121,903.61	2,926.19
		For Drycooler, Add	*43,253.75*	
		Note: Installation is externally mounted.		
		For 10 HP Gylcol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	126,328.72	3,207.55
		For Drycooler, Add	*44,856.57*	
		Note: Installation is externally mounted.		
		For 10 HP Gylcol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	154,112.10	3,488.92
		For Drycooler, Add	*54,635.61*	
		Note: Installation is externally mounted.		
		For 10 HP Gylcol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0044		Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*		
		Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,250.92	
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,875.76	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,118.57	713.54
		For Liebert Unit, Add	*1,881.09*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	17,812.12	856.92
		For Liebert Unit, Add	*2,065.92*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	20,330.35	1,072.45
		For Liebert Unit, Add	*2,340.32*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	24,988.78	1,251.17
		For Liebert Unit, Add	*2,889.13*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	33,932.79	1,359.89
		For Liebert Unit, Add	*3,986.74*	

23 81 23 13-0007 Horizontal Indoor Single Package Cooling Unit *(23 81 23 13)*

Note: Carrier 50AH With indoor scroll compressor, plenum mounted.

23 81 23 13-0008	EA	2 Ton Horizontal Indoor Single-Package Cooling Unit, 800 CFM Nominal	20,355.13	675.27
23 81 23 13-0009	EA	3 Ton Horizontal Indoor Single-Package Cooling Unit, 1,200 CFM Nominal	23,852.07	844.09
23 81 23 13-0010	EA	4 Ton Horizontal Indoor Single-Package Cooling Unit, 1,600 CFM Nominal	27,771.08	1,012.91
23 81 23 13-0011	EA	5 Ton Horizontal Indoor Single-Package Cooling Unit, 2,000 CFM Nominal	32,329.87	1,125.46

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,192.47	371.40
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,374.72	405.16
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,963.97	450.19
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,292.87	495.20
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,050.66	540.22
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,873.89	562.73
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,443.08	599.86

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	946.60	180.08
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,000.78	191.33
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,055.84	202.59
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,192.62	213.84
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,275.51	225.09
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,601.78	270.11
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,878.01	292.62
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,536.73	315.13

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,403.77	540.22
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,585.61	644.89
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,026.14	675.27

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,327.55	450.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,877.30	495.20
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,381.65	585.24
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,226.52	644.89
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,846.59	675.27
23 81 26 13-0030		Ductless Split System Accessories *(23 81 26 13-0002)*		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	13.92	1.61
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	18.01	1.77
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	22.53	1.95
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.23	3.02
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	40.59	3.33
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	46.28	3.66
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	58.22	6.05
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	97.61	6.65
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	109.03	7.32
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	78.22	6.45
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	91.92	7.10
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	143.36	7.81
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	58.22	6.05
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	97.61	6.65
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	109.03	7.32
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	75.13	10.09
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	111.06	11.09
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	133.21	12.20
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.65	2.01
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	46.48	6.05
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	76.48	6.65
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.78	6.05
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	57.70	6.65
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.07	7.32
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	209.89	8.06
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	238.16	8.87
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	124.49	30.25
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	137.65	32.26
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	190.72	34.27
23 81 26 13-0060	EA	End Cap, Set of 4	23.45	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	265.58	60.49
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	281.81	64.52
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.10	0.16
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.21	0.16
23 81 26 13-0065		Cased A/C Evaporator Coils *(23 81 26 13-0001)*		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	812.93	114.87
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	846.49	123.48
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,013.02	132.09
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,158.58	140.71
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,347.36	146.45
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,508.14	152.20
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,619.76	163.69
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,627.68	172.30
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,005.31	117.74
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,160.77	124.34
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,333.82	132.09
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,381.83	136.86
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,446.60	143.58
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,461.68	151.05
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,476.46	158.51
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	872.34	117.74
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,051.54	132.09
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,217.97	143.58
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,474.13	158.51

23 81 26 16 Large-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0002		**Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,095.37	590.86
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,528.70	703.41
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	20,854.78	844.09
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,692.37	872.23
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,206.31	900.37
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,470.82	928.50
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	36,735.33	956.64
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	38,892.59	1,012.91
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,049.86	1,069.19
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	45,943.73	1,125.46
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	50,837.59	1,181.73
23 81 26 16-0014		**Indoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,759.89	182.89
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,849.99	196.96
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,929.76	211.03
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,025.03	225.09
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,192.05	267.30
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,446.07	323.57
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,650.02	351.70
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,555.49	201.18
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,643.24	216.65
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,787.80	232.13
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,025.27	247.60
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,190.41	294.03
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,500.09	355.92
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,680.79	371.40
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	3,882.14	386.87
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,305.45	425.56
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,772.66	468.12
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,165.76	514.93
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,554.43	566.42
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,442.24	623.06
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,904.49	232.13
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,062.45	247.60
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,230.69	294.03
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,619.88	355.92
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	3,899.69	386.87
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,775.32	425.57
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,612.29	201.18
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,746.51	216.65
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	2,953.03	232.13
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,107.89	247.60
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,416.05	216.65
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,539.95	232.13
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,669.00	247.60
23 81 26 16-0048		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	9,270.35	168.82
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,720.74	196.96
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,845.84	225.09
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	14,060.42	253.23
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,166.48	112.54
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	7,958.84	168.82
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	12,165.45	253.23
23 81 26 16-0056		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,554.39	168.82
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	12,420.03	168.82
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,595.06	196.96
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,604.90	140.68
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,323.54	146.30
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	3,964.73	151.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,241.12	168.82
23 81 26 16-0064		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	241.01	43.63
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	241.01	43.63
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	267.41	45.93
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	335.68	51.67
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	438.41	74.63
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	742.58	149.26
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	134.84	18.37
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	151.72	25.26
23 81 26 16-0074		**Split System Air Conditioners (Daikin VRV)** *(23 81 26 16)*		
23 81 26 16-0075		**Heat Pump Outdoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	25,415.59	590.86
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	28,404.19	703.41
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	31,661.65	844.09
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	39,583.29	872.23
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	53,088.23	928.50
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	56,120.58	956.64
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	58,996.64	1,012.91
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	62,085.28	1,069.19
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	80,479.51	1,125.46
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	83,568.14	1,181.73
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	86,656.77	1,238.00
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	89,532.83	1,294.27
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	92,621.47	1,350.55
23 81 26 16-0089		**Heat Recovery Heat Pump Outdoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	32,546.52	768.13
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	35,484.33	914.43
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	38,970.58	1,097.32
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	49,034.89	1,133.90
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	66,399.99	1,207.05
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	71,575.01	1,243.63
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	74,272.25	1,316.78
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,969.49	1,389.94
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	101,455.95	1,463.09
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	104,153.19	1,536.25
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	109,401.37	1,609.40
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	112,098.60	1,682.56
23 81 26 16-0102		**Indoor Units** *(23 81 26 16-0074)*		
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	2,880.67	196.96
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,010.24	202.59
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,410.16	211.03
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,815.51	267.30
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,180.74	323.57
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,235.63	216.65
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,378.37	222.84
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,599.50	123.80
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,873.70	294.03
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,773.61	355.92
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,607.61	386.87
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,058.00	425.56
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,293.52	468.12
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,745.02	216.65
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,857.67	222.84
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,167.04	232.13
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,501.40	294.03
23 81 26 16-0120		**Branch Selector Boxes** *(23 81 26 16-0074)*		
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	14,536.59	253.23
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	21,507.88	337.64
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	2,852.23	112.54
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	3,841.16	168.82
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,758.01	253.23
23 81 26 16-0126		**Controllers** *(23 81 26 16-0074)*		
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	876.86	22.51
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	628.19	22.51
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,235.84	22.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,739.20	22.51
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	16,137.62	270.11
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,032.72	22.51
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin))	664.13	39.72
23 81 26 16-0134		Energy Recovery Units *(23 81 26 16-0074)*		
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,012.22	140.68
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,511.52	146.30
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	7,798.24	151.94
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	14,580.35	168.82
23 81 43		**Air-Source Unitary Heat Pumps** *(23 81)*		
23 81 43 00-0001		Single Package Thru-Wall Heat Pumps *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.		
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,223.07	182.95
		For Unit Economizer, Add	*297.08*	
		For >35 To 70, Deduct	*-56.08*	
		For >70 To 100, Deduct	*-93.47*	
		For >100, Deduct	*-130.86*	
		For Low Ambient Protection, 0 Degree F, Add	*256.67*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,455.17	195.15
		For Unit Economizer, Add	*328.60*	
		For >35 To 70, Deduct	*-62.31*	
		For >70 To 100, Deduct	*-103.85*	
		For >100, Deduct	*-145.39*	
		For Low Ambient Protection, 0 Degree F, Add	*281.46*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,199.91	195.15
		For Unit Economizer, Add	*572.86*	
		For >35 To 70, Deduct	*-114.65*	
		For >70 To 100, Deduct	*-191.09*	
		For >100, Deduct	*-267.53*	
		For Low Ambient Protection, 0 Degree F, Add	*438.49*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,598.17	195.15
		For Unit Economizer, Add	*627.64*	
		For >35 To 70, Deduct	*-125.87*	
		For >70 To 100, Deduct	*-209.78*	
		For >100, Deduct	*-293.70*	
		For Low Ambient Protection, 0 Degree F, Add	*226.49*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,204.15	207.35
		For Unit Economizer, Add	*711.51*	
		For >35 To 70, Deduct	*-143.32*	
		For >70 To 100, Deduct	*-238.86*	
		For >100, Deduct	*-334.41*	
		For Low Ambient Protection, 0 Degree F, Add	*250.04*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,453.40	219.54
		For Unit Economizer, Add	*746.40*	
		For >35 To 70, Deduct	*-150.80*	
		For >70 To 100, Deduct	*-251.33*	
		For >100, Deduct	*-351.86*	
		For Low Ambient Protection, 0 Degree F, Add	*760.17*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,142.46	219.54
		For Unit Economizer, Add	*841.89*	
		For >35 To 70, Deduct	*-170.74*	
		For >70 To 100, Deduct	*-284.56*	
		For >100, Deduct	*-398.38*	
		For Low Ambient Protection, 0 Degree F, Add	*852.67*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,777.77	231.74
		For Unit Economizer, Add	*930.35*	
		For >35 To 70, Deduct	*-189.43*	
		For >70 To 100, Deduct	*-315.71*	
		For >100, Deduct	*-442.00*	
		For Low Ambient Protection, 0 Degree F, Add	*936.73*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,806.39	268.33
		For Unit Economizer, Add	*1,071.43*	
		For >35 To 70, Deduct	*-218.09*	
		For >70 To 100, Deduct	*-363.49*	
		For >100, Deduct	*-508.88*	
		For Low Ambient Protection, 0 Degree F, Add	*1,079.23*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,313.55	317.11
		For Unit Economizer, Add	*1,978.04*	
		For >35 To 70, Deduct	*-410.01*	
		For >70 To 100, Deduct	*-683.36*	
		For >100, Deduct	*-956.70*	
		For Low Ambient Protection, 0 Degree F, Add	*1,938.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,430.74	402.49
		For Unit Economizer, Add	*2,547.62*	
		For >35 To 70, Deduct	*-528.41*	
		For >70 To 100, Deduct	*-880.68*	
		For >100, Deduct	*-1,232.95*	
		For Low Ambient Protection, 0 Degree F, Add	*380.43*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	22,504.09	451.29
		For Unit Economizer, Add	*3,114.47*	
		For >35 To 70, Deduct	*-648.05*	
		For >70 To 100, Deduct	*-1,080.08*	
		For >100, Deduct	*-1,512.11*	
		For Low Ambient Protection, 0 Degree F, Add	*441.66*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	27,765.00	512.27
		For Unit Economizer, Add	*3,846.61*	
		For >35 To 70, Deduct	*-802.58*	
		For >70 To 100, Deduct	*-1,337.63*	
		For >100, Deduct	*-1,872.69*	
		For Low Ambient Protection, 0 Degree F, Add	*520.61*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	36,989.49	548.86
		For Unit Economizer, Add	*5,134.62*	
		For >35 To 70, Deduct	*-1,076.75*	
		For >70 To 100, Deduct	*-1,794.59*	
		For >100, Deduct	*-2,512.42*	
		For Low Ambient Protection, 0 Degree F, Add	*633.35*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	44,564.51	597.64
		For Unit Economizer, Add	*6,191.22*	
		For >35 To 70, Deduct	*-1,301.08*	
		For >70 To 100, Deduct	*-2,168.46*	
		For >100, Deduct	*-3,035.85*	
		For Low Ambient Protection, 0 Degree F, Add	*732.51*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23.00-0968 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,416.52	243.94
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,147.34	268.33
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,364.84	280.53
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,151.46	304.92
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,693.31	353.71
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,218.25	402.49
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,924.57	451.29
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,042.56	500.07
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,320.92	597.64

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,501.04	118.17
		For >10 To 50, Deduct	*-113.23*	
		For >50 To 75, Deduct	*-158.53*	
		For >75 To 100, Deduct	*-226.47*	
		For >100, Deduct	*-271.76*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,827.41	118.17
		For >10 To 50, Deduct	*-129.55*	
		For >50 To 75, Deduct	*-181.37*	
		For >75 To 100, Deduct	*-259.11*	
		For >100, Deduct	*-310.93*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,316.98	118.17
		For >10 To 50, Deduct	*-154.03*	
		For >50 To 75, Deduct	*-215.64*	
		For >75 To 100, Deduct	*-308.06*	
		For >100, Deduct	*-369.68*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	3,860.94	118.17
		For >10 To 50, Deduct	*-181.23*	
		For >50 To 75, Deduct	*-253.72*	
		For >75 To 100, Deduct	*-362.46*	
		For >100, Deduct	*-434.95*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,524.17	84.41
		For >10 To 50, Deduct	*-117.77*	
		For >50 To 75, Deduct	*-164.87*	
		For >75 To 100, Deduct	*-235.54*	
		For >100, Deduct	*-282.64*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,524.17	84.41
		For >10 To 50, Deduct	*-117.77*	
		For >50 To 75, Deduct	*-164.87*	
		For >75 To 100, Deduct	*-235.54*	
		For >100, Deduct	*-282.64*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*271.68*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps *(23 81 46)*

Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.

23 81 46 00-0002	EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,446.20	229.73
23 81 46 00-0003	EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,555.92	229.73
23 81 46 00-0004	EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,111.43	252.71
23 81 46 00-0005	EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,330.49	275.67
23 81 46 00-0006	EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,644.63	298.65
23 81 46 00-0007	EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,470.79	321.62
23 81 46 00-0008	EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,589.87	344.60
23 81 46 00-0009	EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,099.07	367.57
23 81 46 00-0010	EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,510.73	390.54
23 81 46 00-0011	EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,617.64	413.52

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Split System Heat Pump *(23 81 49)*

See CSI section 23 23 16 00-0001 for piping.

23 81 49 00-0002 Air Cooled, Outdoor Section *(23 81 49 00-0001)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0003	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,253.66	362.24
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*767.03*	
		For Winterstart Control, Add	*203.08*	
		For 15 SEER, Add	*666.86*	
		For 16 SEER, Add	*1,074.39*	
		For 18 SEER, Add	*1,630.11*	
23 81 49 00-0004	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	4,386.84	402.49
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*794.55*	
		For Winterstart Control, Add	*212.06*	
		For 15 SEER, Add	*679.86*	
		For 16 SEER, Add	*1,095.33*	
		For 18 SEER, Add	*1,661.88*	
23 81 49 00-0005	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,793.15	467.14
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*871.43*	
		For Winterstart Control, Add	*234.17*	
		For 15 SEER, Add	*735.43*	
		For 16 SEER, Add	*1,184.86*	
		For 18 SEER, Add	*1,797.73*	
23 81 49 00-0006	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	5,232.53	536.65
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*733.61*	
		For Winterstart Control, Add	*258.09*	
		For 15 SEER, Add	*795.49*	
		For 16 SEER, Add	*1,281.62*	
		For 18 SEER, Add	*1,944.52*	
23 81 49 00-0007	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,398.19	557.40
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*757.55*	
		For Winterstart Control, Add	*266.59*	
		For 15 SEER, Add	*819.69*	
		For 16 SEER, Add	*1,320.61*	
		For 18 SEER, Add	*2,003.68*	
23 81 49 00-0008	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	5,996.42	640.33
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*838.49*	
		For Winterstart Control, Add	*294.74*	
		For 15 SEER, Add	*914.70*	
		For 16 SEER, Add	*1,473.68*	
		For 18 SEER, Add	*2,235.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0009	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	6,827.36	704.36
		For Low Ambient Protection, 0 Degree F, Add	*542.61*	
		For Winterstart Control, Add	*158.83*	
		For 15 SEER, Add	*1,047.80*	
		For 16 SEER, Add	*1,688.13*	
		For 18 SEER, Add	*2,561.30*	
23 81 49 00-0010	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	7,554.39	787.82
		For Low Ambient Protection, 0 Degree F, Add	*602.81*	
		For Winterstart Control, Add	*176.84*	
23 81 49 00-0011	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	10,453.89	945.38
		For Low Ambient Protection, 0 Degree F, Add	*418.78*	
		For Winterstart Control, Add	*226.28*	
23 81 49 00-0012	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	13,754.32	1,102.95
		For Low Ambient Protection, 0 Degree F, Add	*473.57*	
		For Winterstart Control, Add	*279.01*	
23 81 49 00-0013	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	24,737.15	1,181.73
		For Low Ambient Protection, 0 Degree F, Add	*502.56*	
		For Winterstart Control, Add	*399.28*	
23 81 49 00-0014		Indoor Section, Horizontal Upflow *(23 81 49 00-0001)* Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0015	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,305.90	120.42
		For Additional 5 KW Electric Heat, Add	*118.49*	
23 81 49 00-0016	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,439.18	150.02
		For Additional 5 KW Electric Heat, Add	*128.91*	
23 81 49 00-0017	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,502.11	181.19
		For Additional 5 KW Electric Heat, Add	*132.06*	
23 81 49 00-0018	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,025.32	212.15
		For Additional 5 KW Electric Heat, Add	*181.30*	
23 81 49 00-0019	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,079.54	239.16
		For Additional 5 KW Electric Heat, Add	*184.01*	
23 81 49 00-0020	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,306.50	274.61
		For Additional 5 KW Electric Heat, Add	*203.20*	
23 81 49 00-0021	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	4,924.70	450.19
		For Additional 5 KW Electric Heat, Add	*447.45*	
23 81 49 00-0022	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,264.14	506.46
		For Additional 5 KW Electric Heat, Add	*675.77*	
23 81 49 00-0023	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,194.09	562.73
		For Additional 5 KW Electric Heat, Add	*963.14*	
23 81 49 00-0024	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	11,585.50	675.27
		For Additional 5 KW Electric Heat, Add	*1,091.01*	
23 81 49 00-0025		Ductless Split System Heat Pumps *(23 81 49 00-0001)* Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0026		Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*		
23 81 49 00-0027	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,372.02	371.40
23 81 49 00-0028	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,620.70	405.16
23 81 49 00-0029	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,193.79	450.19
23 81 49 00-0030	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,674.41	495.20
23 81 49 00-0031	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,193.70	540.22
23 81 49 00-0032	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,010.35	562.73
23 81 49 00-0033	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,591.21	599.86
23 81 49 00-0034		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	986.10	180.08
23 81 49 00-0036	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,041.18	191.33
23 81 49 00-0037	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,097.14	202.59
23 81 49 00-0038	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,247.38	213.84
23 81 49 00-0039	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,329.37	225.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0040	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,933.94	270.11
23 81 49 00-0041	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,475.00	292.62
23 81 49 00-0042	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,620.29	315.13
23 81 49 00-0043		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Excludes hangers.		
23 81 49 00-0044	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,547.41	540.22
23 81 49 00-0045	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,733.74	644.89
23 81 49 00-0046	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,115.91	675.27
23 81 49 00-0047		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Excludes hangers.		
23 81 49 00-0048	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,686.65	450.19
23 81 49 00-0049	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,179.83	495.20
23 81 49 00-0050	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,525.29	585.24
23 81 49 00-0051	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,374.65	644.89
23 81 49 00-0052	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,936.37	675.27

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,938.46	57.43
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,227.78	78.11
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,334.43	122.91
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,218.86	175.74
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,521.63	215.95
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,167.99	261.89
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,595.06	303.24
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,120.05	535.73
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,454.01	203.66
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,690.16	346.78
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,360.16	430.75
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,952.28	520.23
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,579.81	605.80
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	382.18	30.54
23 82 16 11-0017		4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,401.43	119.46
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,874.35	172.30
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,258.92	287.17
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,400.30	426.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,386.46	522.64
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,771.64	638.65
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,747.60	766.15
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,468.61	891.81
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,030.59	384.91
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,653.44	578.92
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,466.28	717.91
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,415.31	864.94
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,300.88	1,011.16
23 82 16 11-0031		6 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,401.32	151.63
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,981.92	225.13
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,378.30	383.65
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,274.67	574.32
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,579.80	717.91
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,848.07	883.32
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,610.79	1,044.12
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,892.09	1,216.76
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,526.56	525.97
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,572.25	788.90
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,721.26	987.84
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,832.17	1,186.68
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,950.18	1,380.57
23 82 16 11-0045		8 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,256.47	182.63
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,172.85	280.28
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,665.37	499.67
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,107.96	766.15
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,112.44	957.98
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,044.84	1,148.66
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,173.94	1,276.16
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,601.25	1,480.27
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,566.04	640.95
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,921.02	963.61
23 82 16 11-0056	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,251.69	1,200.34
23 82 16 11-0057	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,512.93	1,435.81
23 82 16 11-0058	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,841.10	1,689.21
23 82 16 11-0059		Hot Water Heating Coils *(23 82 16 11)* Note: Flanged construction.		
23 82 16 11-0060		1 Row Hot Water Heating Coils *(23 82 16 11-0059)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0061	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,505.22	155.07
		For 10 Fins Per Inch, Add	*23.90*	
		For 12 Fins Per Inch, Add	*59.74*	
		For 230 PSIG Heavy Duty, Add	*332.09*	
23 82 16 11-0062	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,242.55	198.72
		For 10 Fins Per Inch, Add	*36.93*	
		For 12 Fins Per Inch, Add	*92.32*	
		For 230 PSIG Heavy Duty, Add	*488.12*	
23 82 16 11-0063	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,719.28	273.38
		For 10 Fins Per Inch, Add	*43.45*	
		For 12 Fins Per Inch, Add	*108.62*	
		For 230 PSIG Heavy Duty, Add	*598.55*	
23 82 16 11-0064	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,209.62	383.65
		For 10 Fins Per Inch, Add	*48.88*	
		For 12 Fins Per Inch, Add	*122.19*	
		For 230 PSIG Heavy Duty, Add	*718.50*	
23 82 16 11-0065	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,634.31	459.47
		For 10 Fins Per Inch, Add	*54.31*	
		For 12 Fins Per Inch, Add	*135.77*	
		For 230 PSIG Heavy Duty, Add	*818.75*	
23 82 16 11-0066	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,244.20	574.32
		For 10 Fins Per Inch, Add	*61.91*	
		For 12 Fins Per Inch, Add	*154.78*	
		For 230 PSIG Heavy Duty, Add	*963.71*	
23 82 16 11-0067	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	4,751.97	637.51
		For 10 Fins Per Inch, Add	*69.51*	
		For 12 Fins Per Inch, Add	*173.78*	
		For 230 PSIG Heavy Duty, Add	*1,078.02*	
23 82 16 11-0068	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	5,893.49	741.22
		For 10 Fins Per Inch, Add	*88.11*	
		For 12 Fins Per Inch, Add	*220.28*	
		For 230 PSIG Heavy Duty, Add	*1,327.49*	
23 82 16 11-0069	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,544.54	321.17
		For 10 Fins Per Inch, Add	*38.04*	
		For 12 Fins Per Inch, Add	*95.11*	
		For 230 PSIG Heavy Duty, Add	*573.15*	
23 82 16 11-0070	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,816.80	481.86
		For 10 Fins Per Inch, Add	*57.06*	
		For 12 Fins Per Inch, Add	*142.66*	
		For 230 PSIG Heavy Duty, Add	*859.72*	
23 82 16 11-0071	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,737.44	728.82
		For 10 Fins Per Inch, Add	*85.60*	
		For 12 Fins Per Inch, Add	*213.99*	
		For 230 PSIG Heavy Duty, Add	*1,293.26*	
23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,682.20	844.61
		For 10 Fins Per Inch, Add	*99.86*	
		For 12 Fins Per Inch, Add	*249.65*	
		For 230 PSIG Heavy Duty, Add	*1,505.36*	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	303.65	42.50
		For 10 Fins Per Inch, Add	*4.37*	
		For 12 Fins Per Inch, Add	*10.93*	
		For 230 PSIG Heavy Duty, Add	*69.23*	

23 82 16 11-0074 2 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,446.58	191.82
		For 10 Fins Per Inch, Add	*41.27*	
		For 12 Fins Per Inch, Add	*103.18*	
		For 230 PSIG Heavy Duty, Add	*527.61*	
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,628.52	255.00
		For 10 Fins Per Inch, Add	*42.36*	
		For 12 Fins Per Inch, Add	*105.90*	
		For 230 PSIG Heavy Duty, Add	*576.76*	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,535.46	383.65
		For 10 Fins Per Inch, Add	*55.39*	
		For 12 Fins Per Inch, Add	*138.48*	
		For 230 PSIG Heavy Duty, Add	*783.67*	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,243.81	546.76
		For 10 Fins Per Inch, Add	*63.00*	
		For 12 Fins Per Inch, Add	*157.49*	
		For 230 PSIG Heavy Duty, Add	*958.16*	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,881.36	675.41
		For 10 Fins Per Inch, Add	*70.60*	
		For 12 Fins Per Inch, Add	*176.50*	
		For 230 PSIG Heavy Duty, Add	*1,111.41*	
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,170.93	820.14
		For 10 Fins Per Inch, Add	*70.60*	
		For 12 Fins Per Inch, Add	*176.50*	
		For 230 PSIG Heavy Duty, Add	*1,198.28*	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	5,824.59	957.98
		For 10 Fins Per Inch, Add	*78.20*	
		For 12 Fins Per Inch, Add	*195.51*	
		For 230 PSIG Heavy Duty, Add	*1,356.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	7,182.40	1,113.05
		For 10 Fins Per Inch, Add	*99.13*	
		For 12 Fins Per Inch, Add	*247.82*	
		For 230 PSIG Heavy Duty, Add	*1,659.09*	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,100.27	480.26
		For 10 Fins Per Inch, Add	*42.80*	
		For 12 Fins Per Inch, Add	*106.99*	
		For 230 PSIG Heavy Duty, Add	*716.10*	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,652.82	721.47
		For 10 Fins Per Inch, Add	*64.20*	
		For 12 Fins Per Inch, Add	*160.49*	
		For 230 PSIG Heavy Duty, Add	*1,074.87*	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,990.16	1,087.77
		For 10 Fins Per Inch, Add	*96.29*	
		For 12 Fins Per Inch, Add	*240.73*	
		For 230 PSIG Heavy Duty, Add	*1,615.58*	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,158.45	1,270.64
		For 10 Fins Per Inch, Add	*112.34*	
		For 12 Fins Per Inch, Add	*280.86*	
		For 230 PSIG Heavy Duty, Add	*1,885.82*	
23 82 16 11-0087		Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*		
		Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,990.63	145.88
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,555.43	144.73
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,139.88	155.07
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,650.61	168.85
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,666.20	176.89
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,443.62	186.08
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,599.39	209.06
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,085.00	234.32
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,719.55	280.28
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,237.05	294.06
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,006.74	311.28
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	10,191.78	426.15
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	12,807.29	522.64
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,932.74	546.76
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	17,541.44	637.51
23 82 16 12		**Steam Air Coils** *(23 82 16)*		
23 82 16 12-0001		Steam Heating Coils *(23 82 16 12)*		
		Note: Flanged construction.		
23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,368.01	107.98
		For 2 Row Coil, Add	*753.34*	
		For 4 Row Coil, Add	*1,986.73*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,605.47	149.32
		For 2 Row Coil, Add	*841.31*	
		For 4 Row Coil, Add	*2,212.67*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,379.70	267.63
		For 2 Row Coil, Add	*1,120.76*	
		For 4 Row Coil, Add	*2,933.49*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,226.44	383.65
		For 2 Row Coil, Add	*1,421.09*	
		For 4 Row Coil, Add	*3,710.43*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,687.21	459.47
		For 2 Row Coil, Add	*1,589.95*	
		For 4 Row Coil, Add	*4,144.90*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,224.56	574.32
		For 2 Row Coil, Add	*1,797.10*	
		For 4 Row Coil, Add	*4,673.57*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	5,736.70	637.51
		For 2 Row Coil, Add	*1,976.27*	
		For 4 Row Coil, Add	*5,138.16*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,141.65	743.98
		For 2 Row Coil, Add	*2,440.07*	
		For 4 Row Coil, Add	*6,353.11*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,083.43	321.17
		For 2 Row Coil, Add	*1,053.51*	
		For 4 Row Coil, Add	*2,742.98*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,625.15	481.86
		For 2 Row Coil, Add	*1,580.27*	
		For 4 Row Coil, Add	*4,114.49*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,935.27	721.47
		For 2 Row Coil, Add	*2,369.19*	
		For 4 Row Coil, Add	*6,168.72*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,096.82	844.61
		For 2 Row Coil, Add	*2,766.88*	
		For 4 Row Coil, Add	*7,203.81*	
23 82 16 13		**Refrigerant Air Coils** *(23 82 16)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0001		Direct Expansion Cooling Coils *(23 82 16 13)* Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002		2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,859.71	86.15
		For 10 Fins Per Inch, Add	*33.74*	
		For 12 Fins Per Inch, Add	*84.35*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,610.81	118.31
		For 10 Fins Per Inch, Add	*67.48*	
		For 12 Fins Per Inch, Add	*168.70*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,963.81	186.08
		For 10 Fins Per Inch, Add	*91.87*	
		For 12 Fins Per Inch, Add	*229.66*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,962.67	267.63
		For 10 Fins Per Inch, Add	*108.57*	
		For 12 Fins Per Inch, Add	*271.42*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,919.92	327.37
		For 10 Fins Per Inch, Add	*125.27*	
		For 12 Fins Per Inch, Add	*313.18*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,723.83	396.28
		For 10 Fins Per Inch, Add	*138.63*	
		For 12 Fins Per Inch, Add	*346.58*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,852.75	459.47
		For 10 Fins Per Inch, Add	*158.68*	
		For 12 Fins Per Inch, Add	*396.69*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,128.00	535.73
		For 10 Fins Per Inch, Add	*201.13*	
		For 12 Fins Per Inch, Add	*502.83*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,273.62	203.66
		For 10 Fins Per Inch, Add	*77.33*	
		For 12 Fins Per Inch, Add	*193.32*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,467.41	346.78
		For 10 Fins Per Inch, Add	*95.48*	
		For 12 Fins Per Inch, Add	*238.69*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,688.75	520.23
		For 10 Fins Per Inch, Add	*112.97*	
		For 12 Fins Per Inch, Add	*282.42*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,295.76	605.80
		For 10 Fins Per Inch, Add	*121.68*	
		For 12 Fins Per Inch, Add	*304.21*	
23 82 16 13-0015		4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,103.84	119.46
		For 10 Fins Per Inch, Add	*57.29*	
		For 12 Fins Per Inch, Add	*143.23*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,435.06	172.30
		For 10 Fins Per Inch, Add	*81.84*	
		For 12 Fins Per Inch, Add	*204.61*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,002.73	287.17
		For 10 Fins Per Inch, Add	*108.57*	
		For 12 Fins Per Inch, Add	*271.42*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,281.43	426.15
		For 10 Fins Per Inch, Add	*128.61*	
		For 12 Fins Per Inch, Add	*321.53*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,393.47	522.64
		For 10 Fins Per Inch, Add	*146.98*	
		For 12 Fins Per Inch, Add	*367.46*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,961.73	638.65
		For 10 Fins Per Inch, Add	*173.71*	
		For 12 Fins Per Inch, Add	*434.27*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,052.13	766.15
		For 10 Fins Per Inch, Add	*190.41*	
		For 12 Fins Per Inch, Add	*476.03*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,688.82	891.81
		For 10 Fins Per Inch, Add	*178.10*	
		For 12 Fins Per Inch, Add	*445.26*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,865.88	384.91
		For 10 Fins Per Inch, Add	*121.92*	
		For 12 Fins Per Inch, Add	*304.80*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,684.78	578.92
		For 10 Fins Per Inch, Add	*150.54*	
		For 12 Fins Per Inch, Add	*376.34*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,004.75	1,018.29
		For 10 Fins Per Inch, Add	*219.36*	
		For 12 Fins Per Inch, Add	*548.41*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,874.17	1,186.68
		For 10 Fins Per Inch, Add	*250.02*	
		For 12 Fins Per Inch, Add	*625.05*	
23 82 16 13-0028		6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,976.90	150.48
		For 10 Fins Per Inch, Add	*73.49*	
		For 12 Fins Per Inch, Add	*183.73*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,542.63	225.13
		For 10 Fins Per Inch, Add	*81.84*	
		For 12 Fins Per Inch, Add	*204.61*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,528.24	383.65
		For 10 Fins Per Inch, Add	*115.25*	
		For 12 Fins Per Inch, Add	*288.12*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,247.35	574.32
		For 10 Fins Per Inch, Add	*141.97*	
		For 12 Fins Per Inch, Add	*354.93*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,672.89	717.91
		For 10 Fins Per Inch, Add	*188.74*	
		For 12 Fins Per Inch, Add	*471.85*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,289.92	883.32
		For 10 Fins Per Inch, Add	*210.46*	
		For 12 Fins Per Inch, Add	*526.14*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,281.50	1,044.12
		For 10 Fins Per Inch, Add	*243.86*	
		For 12 Fins Per Inch, Add	*609.65*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,393.89	1,216.76
		For 10 Fins Per Inch, Add	*219.21*	
		For 12 Fins Per Inch, Add	*548.02*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,554.60	525.97
		For 10 Fins Per Inch, Add	*150.05*	
		For 12 Fins Per Inch, Add	*375.14*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,841.58	788.90
		For 10 Fins Per Inch, Add	*185.28*	
		For 12 Fins Per Inch, Add	*463.19*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,314.59	1,176.91
		For 10 Fins Per Inch, Add	*219.22*	
		For 12 Fins Per Inch, Add	*548.04*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,567.97	1,380.57
		For 10 Fins Per Inch, Add	*236.14*	
		For 12 Fins Per Inch, Add	*590.34*	
23 82 16 13-0041		8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,957.92	181.49
		For 10 Fins Per Inch, Add	*91.87*	
		For 12 Fins Per Inch, Add	*229.66*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,905.21	280.28
		For 10 Fins Per Inch, Add	*106.90*	
		For 12 Fins Per Inch, Add	*267.24*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,723.87	499.67
		For 10 Fins Per Inch, Add	*154.50*	
		For 12 Fins Per Inch, Add	*386.25*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,469.70	766.15
		For 10 Fins Per Inch, Add	*198.76*	
		For 12 Fins Per Inch, Add	*496.91*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,731.66	957.98
		For 10 Fins Per Inch, Add	*236.34*	
		For 12 Fins Per Inch, Add	*590.86*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,910.09	1,148.66
		For 10 Fins Per Inch, Add	*272.26*	
		For 12 Fins Per Inch, Add	*680.64*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,336.71	1,276.16
		For 10 Fins Per Inch, Add	*315.68*	
		For 12 Fins Per Inch, Add	*789.21*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,290.77	1,480.27
		For 10 Fins Per Inch, Add	*246.61*	
		For 12 Fins Per Inch, Add	*616.52*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,722.59	640.95
		For 10 Fins Per Inch, Add	*168.81*	
		For 12 Fins Per Inch, Add	*422.03*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,349.03	963.61
		For 10 Fins Per Inch, Add	*208.44*	
		For 12 Fins Per Inch, Add	*521.09*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,231.53	1,450.29
		For 10 Fins Per Inch, Add	*246.62*	
		For 12 Fins Per Inch, Add	*616.54*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,661.13	1,689.21
		For 10 Fins Per Inch, Add	*265.65*	
		For 12 Fins Per Inch, Add	*664.14*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	605.53	86.66
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	619.96	93.42
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	637.01	102.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	642.74	105.80
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	657.47	112.54
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	674.42	121.55
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	778.58	136.18
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	792.30	142.93
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	803.56	147.43
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	820.00	156.44
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	900.16	165.44
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	932.20	181.19
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	964.05	196.96
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	998.26	212.71
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,403.19	297.12
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,592.28	316.25
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,843.26	362.40
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,370.28	401.79
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,529.86	436.68
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,867.48	479.44
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,782.30	512.09
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,258.94	550.35
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,415.41	594.24
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,234.92	646.01

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	979.69	123.80
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,008.44	135.05
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,020.33	135.05
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,102.55	148.56
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,152.45	148.56
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,179.01	148.56
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,236.83	165.44
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,288.44	185.70
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,315.00	185.70
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,480.16	212.71
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,904.64	212.71
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,022.21	230.72
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,383.45	247.60
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,840.25	247.60
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,101.52	258.86
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,259.90	258.86

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,084.65	186.08
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.53*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,371.15	217.10
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.67*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,814.03	244.67
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.44*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,234.35	280.28
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.02*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,650.60	294.06
		For 2-Way Valve Instead Of 3-Way, Deduct	*-109.18*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,690.05	311.28
		For 2-Way Valve Instead Of 3-Way, Deduct	*-111.57*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,519.91	337.71
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.68*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,037.92	186.08
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.53*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,420.92	217.10
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.67*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,223.12	244.67
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.44*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,570.57	280.28
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.02*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,875.24	295.21
		For 2-Way Valve Instead Of 3-Way, Deduct	*-109.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,488.88	311.28
		For 2-Way Valve Instead Of 3-Way, Deduct	*-111.57*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,610.90	337.71
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.68*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,115.16	350.34
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.55*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,058.63	364.69
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.71*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,744.02	379.06
		For 2-Way Valve Instead Of 3-Way, Deduct	*-121.86*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,010.13	184.93
		For Fan Coil Units Without Cabinet, Deduct	*-264.47*	
		For Thru-Wall Sleeve, Add	*129.11*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.53*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,296.63	217.10
		For Fan Coil Units Without Cabinet, Deduct	*-301.15*	
		For Thru-Wall Sleeve, Add	*141.69*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.67*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,724.59	244.67
		For Fan Coil Units Without Cabinet, Deduct	*-359.81*	
		For Thru-Wall Sleeve, Add	*152.76*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.44*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,131.49	280.28
		For Fan Coil Units Without Cabinet, Deduct	*-413.69*	
		For Thru-Wall Sleeve, Add	*167.06*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.02*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,532.85	295.21
		For Fan Coil Units Without Cabinet, Deduct	*-471.02*	
		For Thru-Wall Sleeve, Add	*172.81*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-109.18*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,533.54	311.28
		For Fan Coil Units Without Cabinet, Deduct	*-617.94*	
		For Thru-Wall Sleeve, Add	*179.18*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-111.57*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,333.60	337.71
		For Fan Coil Units Without Cabinet, Deduct	*-732.47*	
		For Thru-Wall Sleeve, Add	*190.14*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.68*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,921.84	184.93
		For Fan Coil Units Without Cabinet, Deduct	*-401.22*	
		For Thru-Wall Sleeve, Add	*129.11*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.53*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,290.92	217.10
		For Fan Coil Units Without Cabinet, Deduct	*-450.29*	
		For Thru-Wall Sleeve, Add	*141.69*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-56.67*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,060.61	244.67
		For Fan Coil Units Without Cabinet, Deduct	*-560.21*	
		For Thru-Wall Sleeve, Add	*152.76*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.44*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,642.40	280.28
		For Fan Coil Units Without Cabinet, Deduct	*-640.33*	
		For Thru-Wall Sleeve, Add	*167.06*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.02*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,181.39	295.21
		For Fan Coil Units Without Cabinet, Deduct	*-718.30*	
		For Thru-Wall Sleeve, Add	*172.81*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-109.18*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,233.75	311.28
		For Fan Coil Units Without Cabinet, Deduct	*-872.97*	
		For Thru-Wall Sleeve, Add	*179.18*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-111.57*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,309.06	337.71
		For Fan Coil Units Without Cabinet, Deduct	*-1,028.79*	
		For Thru-Wall Sleeve, Add	*190.14*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	8,009.64	350.34
		For Fan Coil Units Without Cabinet, Deduct	*-1,131.38*	
		For Thru-Wall Sleeve, Add	*195.14*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.55*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	8,847.59	364.69
		For Fan Coil Units Without Cabinet, Deduct	*-1,254.20*	
		For Thru-Wall Sleeve, Add	*200.88*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.71*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,436.35	364.69
		For Fan Coil Units Without Cabinet, Deduct	*-1,339.64*	
		For Thru-Wall Sleeve, Add	*206.62*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-121.86*	

23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	488.38	

23 82 19 00-0043 Fan Coil Units (Carrier) *(23 82 19)*

Note: Provide Pre-Manufactured Or Field Fabricated Filter Rack With 2" Merv 13, Pleated Throwaway Filters. Disconnect Switch Provided By Division 26 Contractor. Suspend Unit From Structure In Horizontal Position With All -Thread Rod And Spring Vibration Isolation (2" Minimum Deflection). Provide Necessary Mounting Bracket And Accessories For Specified Mounting. Provide Auxiliary Drain Pan With Auxiliary Drain Provided By Plumbing Contractor. Provide Unit With Space Temperature Control Devices Consistent With The Following Control Methods: Thermostat Or Room Controller For Local Override Of Centralized Controller With Integral Temperature Sensor. Temperature Sensor Without Local Override: Thermostat Or Room Controller For Local Override Of Centralized Controller With Remote Temperature Sensor. Fan Coil Unit With Integral Temperature Sensor In Return Airstream Without Local Override (Factory Default Setting).

23 82 19 00-0044	EA	450 To 500 CFM, 12.1 To 14.2 MBH Cooling, Deck Mount, Fan Coil Unit (Carrier MMD-AP0184BH2UL-1)	2,066.11	244.67
23 82 19 00-0045	EA	1,200 CFM, 33.3 To 39.5 MBH Cooling, Floor Mount, Fan Coil Unit (Carrier MMD-AP0360VHG2UL)	3,583.10	337.71
		For Filter Box With 2" MERV 8 Filter (Carrier TCB-FB2F361VDGUL), Add	*292.48*	
23 82 19 00-0046	EA	150 To 230 CFM, 3.9 To 7.5 MBH Cooling, Wall Mount, Fan Coil Unit (Carrier MMK-AP0073H2UL)	1,115.68	186.08
		For Filter Boxes For Toshiba (Carrier) High Static, Medium Static, OSA Units, and Slim Duct (Carrier FS-SPBH202), Add	*482.25*	
23 82 19 00-0047	EA	470 CFM, 15.8 MBH Cooling, Wall Mount, Fan Coil Unit (Carrier MMK-AP0183H2UL)	1,291.76	217.10
		For Filter Boxes For Toshiba (Carrier) High Static, Medium Static, OSA Units, and Slim Duct (Carrier FS-SPBH202), Add	*482.25*	
23 82 19 00-0048	EA	Single Port Flow Selector (Carrier RBM-Y0963FUL)	1,252.62	270.27
23 82 19 00-0049	EA	Multiport Flow Selector 4-Branch Unit (Carrier RBM-Y0611F4PUL)	3,819.73	353.44
23 82 19 00-0050	EA	Y-Branch For Heat Recovery, 61-135k BTU (Carrier RBM-BY105FUL)	198.80	40.20
23 82 19 00-0051	EA	Y-Branch For Heat Recovery, 136-238k BTU (Carrier RBM-BY205FUL)	272.43	43.07
23 82 19 00-0052	EA	12 MBH, Ductless Variable Flow (VRF), Wall Mounted, Indoor Heat Pump (Carrier MMK-AP0123H2UL)	1,071.68	186.08
23 82 19 00-0053	EA	Single Port Flow Selector (Carrier RBM-Y0383FUL)	3,129.86	270.27
23 82 19 00-0054	EA	Outdoor Heat Recovery Connection (Carrier RBM-BT14FUL)	430.19	40.20

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	34.45	
23 82 29 00-0003	EA	Cap Radiator	55.99	

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	68.08	
		For Wall Support Bracket, Add	*28.66*	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	99.23	
		For Wall Support Bracket, Add	*30.15*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	116.39	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	148.29	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	92.77	

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	132.65	6.11
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	82.47	6.11

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	60.72	6.11
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	49.36	6.11

23 82 29 00-0016 Removal And Reinstallation Of Radiator *(23 82 29)*

Note: Includes storage and cleaning.

23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	86.15	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	57.43	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33		**Convectors** *(23 82)*		
23 82 33 00-0001		Multi-Fin Convectors For Two-Pipe System *(23 82 33)*		
		Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		20" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	591.11	126.35
		For Metal Trim Strips, Add	*63.43*	
		For Snap-On Inlet Grille, Add	*48.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*139.88*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	697.32	137.84
		For Metal Trim Strips, Add	*68.65*	
		For Snap-On Inlet Grille, Add	*51.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*170.97*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	802.00	163.11
		For Metal Trim Strips, Add	*80.07*	
		For Snap-On Inlet Grille, Add	*59.38*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*194.28*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	960.77	189.52
		For Metal Trim Strips, Add	*92.14*	
		For Snap-On Inlet Grille, Add	*67.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*235.77*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,145.60	227.43
		For Metal Trim Strips, Add	*109.36*	
		For Snap-On Inlet Grille, Add	*78.91*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*280.37*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,289.26	250.18
		For Metal Trim Strips, Add	*119.69*	
		For Snap-On Inlet Grille, Add	*85.79*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*318.61*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,497.06	303.24
		For Metal Trim Strips, Add	*143.79*	
		For Snap-On Inlet Grille, Add	*101.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*363.21*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,635.03	322.19
		For Metal Trim Strips, Add	*152.41*	
		For Snap-On Inlet Grille, Add	*107.61*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*401.45*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,783.44	360.10
		For Metal Trim Strips, Add	*169.63*	
		For Snap-On Inlet Grille, Add	*119.08*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*433.31*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,968.37	398.01
		For Metal Trim Strips, Add	*186.87*	
		For Snap-On Inlet Grille, Add	*130.58*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*477.91*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,116.80	435.91
		For Metal Trim Strips, Add	*204.09*	
		For Snap-On Inlet Grille, Add	*142.06*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*509.78*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0014		26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	693.35	166.21
		For Metal Trim Strips, Add	*80.78*	
		For Snap-On Inlet Grille, Add	*59.85*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*155.43*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	814.30	193.09
		For Metal Trim Strips, Add	*92.84*	
		For Snap-On Inlet Grille, Add	*67.90*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*183.69*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	985.77	226.75
		For Metal Trim Strips, Add	*107.95*	
		For Snap-On Inlet Grille, Add	*77.97*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*226.08*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,156.59	252.82
		For Metal Trim Strips, Add	*119.66*	
		For Snap-On Inlet Grille, Add	*85.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*272.21*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,350.95	284.30
		For Metal Trim Strips, Add	*133.82*	
		For Snap-On Inlet Grille, Add	*95.21*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*323.71*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,512.68	307.96
		For Metal Trim Strips, Add	*144.50*	
		For Snap-On Inlet Grille, Add	*102.34*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*367.85*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,725.06	350.91
		For Metal Trim Strips, Add	*164.07*	
		For Snap-On Inlet Grille, Add	*115.38*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*419.35*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,882.95	372.39
		For Metal Trim Strips, Add	*173.60*	
		For Snap-On Inlet Grille, Add	*121.74*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*463.49*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,037.77	406.04
		For Metal Trim Strips, Add	*188.52*	
		For Snap-On Inlet Grille, Add	*131.68*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*500.28*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,235.14	439.02
		For Metal Trim Strips, Add	*203.59*	
		For Snap-On Inlet Grille, Add	*141.73*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*551.78*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,385.44	469.23
		For Metal Trim Strips, Add	*217.15*	
		For Snap-On Inlet Grille, Add	*150.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*588.56*	
		For Knob Operated Damper, Add	*15.00*	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	794.63	202.17
		For Metal Trim Strips, Add	*97.85*	
		For Snap-On Inlet Grille, Add	*71.23*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*170.97*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	947.83	244.67
		For Metal Trim Strips, Add	*117.16*	
		For Snap-On Inlet Grille, Add	*84.11*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*202.05*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,143.64	286.02
		For Metal Trim Strips, Add	*135.94*	
		For Snap-On Inlet Grille, Add	*96.62*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*248.68*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,326.43	310.83
		For Metal Trim Strips, Add	*147.28*	
		For Snap-On Inlet Grille, Add	*104.18*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*299.43*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,525.79	335.86
		For Metal Trim Strips, Add	*158.53*	
		For Snap-On Inlet Grille, Add	*111.69*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*356.08*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,701.51	360.10
		For Metal Trim Strips, Add	*169.63*	
		For Snap-On Inlet Grille, Add	*119.08*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*404.63*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,909.55	390.43
		For Metal Trim Strips, Add	*183.48*	
		For Snap-On Inlet Grille, Add	*128.32*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*461.28*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,086.43	415.46
		For Metal Trim Strips, Add	*194.93*	
		For Snap-On Inlet Grille, Add	*135.95*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*509.84*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,243.39	443.50
		For Metal Trim Strips, Add	*207.33*	
		For Snap-On Inlet Grille, Add	*144.22*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*550.30*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,446.53	470.03
		For Metal Trim Strips, Add	*219.72*	
		For Snap-On Inlet Grille, Add	*152.48*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*606.95*	
		For Knob Operated Damper, Add	*15.00*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,596.02	492.77
		For Metal Trim Strips, Add	*229.88*	
		For Snap-On Inlet Grille, Add	*159.25*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*647.41*	
		For Knob Operated Damper, Add	*15.00*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	619.14	120.75
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	685.08	120.75

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0042		6" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	715.51	120.75
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	816.95	120.75
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	905.71	120.75
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,045.19	120.75
23 82 36		**Finned-Tube Radiation Heaters** *(23 82)*		
23 82 36 00-0001		Finned Tube Baseboard Units *(23 82 36)*		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0003	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	372.14	44.80
		For 90 Degree Corner, Add	*53.34*	
		For Valve Enclosure, Add	*53.34*	
		For Filler Piece, Add	*46.34*	
		For End Cap, Add	*36.17*	
		For Copper Tube With Aluminum Fins, Add	*8.55*	
23 82 36 00-0004	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	494.19	67.77
		For 90 Degree Corner, Add	*62.21*	
		For Valve Enclosure, Add	*62.21*	
		For Filler Piece, Add	*55.21*	
		For End Cap, Add	*41.94*	
		For Copper Tube With Aluminum Fins, Add	*12.82*	
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	598.01	89.59
		For 90 Degree Corner, Add	*67.43*	
		For Valve Enclosure, Add	*67.43*	
		For Filler Piece, Add	*60.43*	
		For End Cap, Add	*45.33*	
		For Copper Tube With Aluminum Fins, Add	*17.10*	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	744.89	125.44
		For 90 Degree Corner, Add	*81.68*	
		For Valve Enclosure, Add	*81.68*	
		For Filler Piece, Add	*74.68*	
		For End Cap, Add	*54.59*	
		For Copper Tube With Aluminum Fins, Add	*21.26*	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	890.86	150.70
		For 90 Degree Corner, Add	*96.15*	
		For Valve Enclosure, Add	*96.15*	
		For Filler Piece, Add	*89.15*	
		For End Cap, Add	*63.99*	
		For Copper Tube With Aluminum Fins, Add	*25.31*	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,011.63	160.81
		For 90 Degree Corner, Add	*101.89*	
		For Valve Enclosure, Add	*101.89*	
		For Filler Piece, Add	*94.89*	
		For End Cap, Add	*67.73*	
		For Copper Tube With Aluminum Fins, Add	*30.37*	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,115.09	177.70
		For 90 Degree Corner, Add	*111.54*	
		For Valve Enclosure, Add	*111.54*	
		For Filler Piece, Add	*104.54*	
		For End Cap, Add	*74.00*	
		For Copper Tube With Aluminum Fins, Add	*33.41*	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,273.72	201.02
		For 90 Degree Corner, Add	*124.86*	
		For Valve Enclosure, Add	*124.86*	
		For Filler Piece, Add	*117.86*	
		For End Cap, Add	*82.66*	
		For Copper Tube With Aluminum Fins, Add	*38.47*	
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,404.84	221.11
		For 90 Degree Corner, Add	*136.36*	
		For Valve Enclosure, Add	*136.36*	
		For Filler Piece, Add	*129.36*	
		For End Cap, Add	*90.14*	
		For Copper Tube With Aluminum Fins, Add	*42.52*	
23 82 36 00-0012		1" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	438.76	44.80
		For 90 Degree Corner, Add	*53.34*	
		For Valve Enclosure, Add	*53.34*	
		For Filler Piece, Add	*46.34*	
		For End Cap, Add	*36.17*	
		For Copper Tube With Aluminum Fins, Add	*12.21*	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	594.11	67.77
		For 90 Degree Corner, Add	*62.21*	
		For Valve Enclosure, Add	*62.21*	
		For Filler Piece, Add	*55.21*	
		For End Cap, Add	*41.94*	
		For Copper Tube With Aluminum Fins, Add	*18.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	731.24	89.59
		For 90 Degree Corner, Add	*67.43*	
		For Valve Enclosure, Add	*67.43*	
		For Filler Piece, Add	*60.43*	
		For End Cap, Add	*45.33*	
		For Copper Tube With Aluminum Fins, Add	*24.42*	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	910.68	125.44
		For 90 Degree Corner, Add	*81.70*	
		For Valve Enclosure, Add	*81.70*	
		For Filler Piece, Add	*74.70*	
		For End Cap, Add	*54.61*	
		For Copper Tube With Aluminum Fins, Add	*30.37*	
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,087.87	150.70
		For 90 Degree Corner, Add	*96.11*	
		For Valve Enclosure, Add	*96.11*	
		For Filler Piece, Add	*89.11*	
		For End Cap, Add	*63.97*	
		For Copper Tube With Aluminum Fins, Add	*36.15*	
23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,248.28	160.81
		For 90 Degree Corner, Add	*101.89*	
		For Valve Enclosure, Add	*101.89*	
		For Filler Piece, Add	*94.89*	
		For End Cap, Add	*67.73*	
		For Copper Tube With Aluminum Fins, Add	*43.38*	
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,375.04	177.70
		For 90 Degree Corner, Add	*111.47*	
		For Valve Enclosure, Add	*111.47*	
		For Filler Piece, Add	*104.47*	
		For End Cap, Add	*73.96*	
		For Copper Tube With Aluminum Fins, Add	*47.72*	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,573.48	201.02
		For 90 Degree Corner, Add	*124.86*	
		For Valve Enclosure, Add	*124.86*	
		For Filler Piece, Add	*117.86*	
		For End Cap, Add	*82.66*	
		For Copper Tube With Aluminum Fins, Add	*54.95*	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,735.46	221.11
		For 90 Degree Corner, Add	*136.23*	
		For Valve Enclosure, Add	*136.23*	
		For Filler Piece, Add	*129.23*	
		For End Cap, Add	*90.05*	
		For Copper Tube With Aluminum Fins, Add	*60.74*	
23 82 36 00-0022		1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	505.37	44.80
		For 90 Degree Corner, Add	*53.34*	
		For Valve Enclosure, Add	*53.34*	
		For Filler Piece, Add	*46.34*	
		For End Cap, Add	*36.17*	
		For Copper Tube With Aluminum Fins, Add	*15.88*	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	694.03	67.77
		For 90 Degree Corner, Add	*62.21*	
		For Valve Enclosure, Add	*62.21*	
		For Filler Piece, Add	*55.21*	
		For End Cap, Add	*41.94*	
		For Copper Tube With Aluminum Fins, Add	*23.81*	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	864.46	89.59
		For 90 Degree Corner, Add	*67.43*	
		For Valve Enclosure, Add	*67.43*	
		For Filler Piece, Add	*60.43*	
		For End Cap, Add	*45.33*	
		For Copper Tube With Aluminum Fins, Add	*31.75*	
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,076.33	125.44
		For 90 Degree Corner, Add	*81.70*	
		For Valve Enclosure, Add	*81.70*	
		For Filler Piece, Add	*74.70*	
		For End Cap, Add	*54.61*	
		For Copper Tube With Aluminum Fins, Add	*39.48*	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,285.07	150.70
		For 90 Degree Corner, Add	*96.11*	
		For Valve Enclosure, Add	*96.11*	
		For Filler Piece, Add	*89.11*	
		For End Cap, Add	*63.97*	
		For Copper Tube With Aluminum Fins, Add	*47.00*	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,484.92	160.81
		For 90 Degree Corner, Add	*101.89*	
		For Valve Enclosure, Add	*101.89*	
		For Filler Piece, Add	*94.89*	
		For End Cap, Add	*67.73*	
		For Copper Tube With Aluminum Fins, Add	*56.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,635.35	177.70
		For 90 Degree Corner, Add	*111.47*	
		For Valve Enclosure, Add	*111.47*	
		For Filler Piece, Add	*104.47*	
		For End Cap, Add	*73.96*	
		For Copper Tube With Aluminum Fins, Add	*62.04*	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,873.23	201.02
		For 90 Degree Corner, Add	*124.86*	
		For Valve Enclosure, Add	*124.86*	
		For Filler Piece, Add	*117.86*	
		For End Cap, Add	*82.66*	
		For Copper Tube With Aluminum Fins, Add	*71.44*	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,066.76	221.11
		For 90 Degree Corner, Add	*136.23*	
		For Valve Enclosure, Add	*136.23*	
		For Filler Piece, Add	*129.23*	
		For End Cap, Add	*90.05*	
		For Copper Tube With Aluminum Fins, Add	*78.96*	

23 82 36 00-0032 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0033 Electric Wall Heating 10" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	144.01	67.09
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	147.06	67.09

23 82 36 00-0036 Electric Wall Heating 16" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	174.44	67.09
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	182.05	67.09

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,076.88	152.46
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,101.21	152.46
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,125.54	152.46
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,149.85	152.46
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,174.18	152.46
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,198.51	152.46
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,223.80	152.46
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	203.68	101.24

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,269.22	182.95
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,317.88	182.95
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,366.51	182.95
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,415.17	182.95
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,463.81	182.95
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,512.47	182.95
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,561.11	182.95
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	243.94	121.97

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,104.37	243.94
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,153.00	243.94
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,201.66	243.94
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,250.30	243.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,298.96	243.94
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,347.60	243.94
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	304.92	152.46
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,842.23	304.92
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,915.20	304.92
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,988.16	304.92
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,061.13	304.92
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,134.12	304.92
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,207.09	304.92
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,280.05	304.92
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	407.38	203.68
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,677.37	365.91
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,774.67	365.91
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,871.96	365.91
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,969.26	365.91
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,066.55	365.91
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,163.85	365.91
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,261.15	365.91
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	487.87	243.94
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	315.88	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	545.62	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	651.29	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	881.02	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,007.94	114.87
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,010.06	114.87
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,132.07	114.87
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,373.93	172.30
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,436.35	172.30
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,529.30	172.30
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,827.17	229.73
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,014.45	229.73
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,133.63	229.73
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,230.10	229.73
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,506.69	287.17
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,539.34	287.17
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,570.55	287.17
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,723.67	344.60
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,967.70	344.60
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,382.08	402.03
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,265.97	402.03
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,525.45	459.47
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,433.47	459.47
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	273.77	28.72
23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,457.65	114.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,525.03	172.30
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,647.76	172.30
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,018.72	229.73
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,139.30	229.73
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,505.17	344.60
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,689.62	344.60
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,844.28	344.60
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,170.67	402.03
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,353.71	402.03
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,723.99	402.03
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,291.30	516.89
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,522.80	516.89
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,900.20	516.89
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,721.62	574.32
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	378.76	28.72

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	689.19	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	918.92	

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	893.26	121.97
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	893.26	121.97
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,198.68	152.46
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,374.46	182.95
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,006.58	243.94
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	2,925.19	304.92
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,040.02	365.91
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	5,910.35	426.89
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,104.35	121.97
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,063.14	121.97
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,259.01	152.46
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,452.94	182.95
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,163.55	243.94

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	407.74	76.23
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	477.19	85.38
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	747.94	85.38
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	463.34	76.23
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	564.95	85.38
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	851.01	85.38
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	609.37	100.62
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,138.60	106.72
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,281.68	106.72
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,488.12	112.82
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,613.75	112.82
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	683.68	100.62
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,255.67	106.72
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,398.75	106.72
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	657.18	76.23

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	413.54	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	850.10	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.15	0.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.76	0.87
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.19	0.87
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.15	0.87
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	10.79	0.87
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.40	0.87
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.38	0.87
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.67	0.87
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.95	0.87
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.38	0.87
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	11.67	0.87
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.95	0.87
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.19	0.87
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.75	0.87
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.03	0.87
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.19	0.87
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	14.75	0.87
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.03	0.87
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	328.30	68.66
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	328.30	68.66
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	215.95	12.49
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	585.41	31.21
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	644.83	31.21

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*
Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	12,996.20	473.25
23 84 13 16-0003	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	16,490.99	474.39

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*
Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,076.76	303.24
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*638.34*	
23 84 13 23-0003	EA	3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,076.76	303.24
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*638.34*	
23 84 13 23-0004	EA	65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	2,996.25	303.24
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*914.19*	
23 84 13 23-0005	EA	65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,111.10	379.06
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*952.47*	
23 84 13 23-0006	EA	100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,508.14	303.24
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,367.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0007	EA	100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,622.99	379.06
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,406.04*	
23 84 13 23-0008	EA	220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	6,985.31	379.06
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,114.74*	
23 84 13 23-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,128.90	474.39
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,162.60*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	593.17	57.43

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,312.74	60.98
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,910.90	71.14
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,904.79	81.31

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	520.00	131.98
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	627.27	131.98
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	691.64	131.98

END OF SECTION 23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

25 Integrated Automation

25 50 Integrated Automation Facility Controls *(25)*

25 55 Integrated Automation Control of HVAC *(25 50)*

See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

END OF SECTION 25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	483.93	
		For Up To 20, Add	*101.80*	
		For >20 To 50, Add	*81.44*	
		For >50 To 100, Add	*40.72*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	629.88	
		For Up To 20, Add	*138.28*	
		For >20 To 50, Add	*110.63*	
		For >50 To 100, Add	*55.31*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	950.95	
		For Up To 20, Add	*218.55*	
		For >20 To 50, Add	*174.84*	
		For >50 To 100, Add	*87.42*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	482.34	
		For Up To 20, Add	*101.40*	
		For >20 To 50, Add	*81.12*	
		For >50 To 100, Add	*40.56*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	617.99	
		For Up To 20, Add	*135.31*	
		For >20 To 50, Add	*108.25*	
		For >50 To 100, Add	*54.12*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	924.56	
		For Up To 20, Add	*211.95*	
		For >20 To 50, Add	*169.56*	
		For >50 To 100, Add	*84.78*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	378.85	
		For Up To 20, Add	*75.53*	
		For >20 To 50, Add	*60.42*	
		For >50 To 100, Add	*30.21*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	536.47	
		For Up To 20, Add	*114.93*	
		For >20 To 50, Add	*91.94*	
		For >50 To 100, Add	*45.97*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	766.34	
		For Up To 20, Add	*172.40*	
		For >20 To 50, Add	*137.92*	
		For >50 To 100, Add	*68.96*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	698.13	
		For Up To 20, Add	*155.35*	
		For >20 To 50, Add	*124.28*	
		For >50 To 100, Add	*62.14*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	961.84	
		For Up To 20, Add	*221.27*	
		For >20 To 50, Add	*177.02*	
		For >50 To 100, Add	*88.51*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,767.29	
		For Up To 20, Add	*422.64*	
		For >20 To 50, Add	*338.11*	
		For >50 To 100, Add	*169.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	802.95	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*181.55*	
		For >20 To 50, Add	*145.24*	
		For >50 To 100, Add	*72.62*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,184.78	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*277.01*	
		For >20 To 50, Add	*221.61*	
		For >50 To 100, Add	*110.80*	

26 01 10 99 Medium-Voltage Electrical Distribution, Facilities Maintenance and Repair *(26 01 10)*

26 01 10 99-0001 Liquid Filled Primary Transformer *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0002 Repair 500 KVA Liquid Filled Primary Transformer *(26 01 10 99-0001)*

26 01 10 99-0003	EA	Remove Transformer Component, Repair 500 KVA Liquid Filled Primary Transformer	123.86
26 01 10 99-0004	EA	Install New Transformer Component, Repair 500 KVA Liquid Filled Primary Transformer	2,752.56

26 01 10 99-0005 Maintenance And Inspection, Liquid Filled Primary Transformer *(26 01 10 99-0001)*

26 01 10 99-0006	EA	Test Energized Transformer, Maintenance And Inspection, Liquid Filled Primary Transformer	61.93

26 01 10 99-0007 Replace 500 KVA Liquid Filled Primary Transformer *(26 01 10 99-0001)*

26 01 10 99-0008	EA	Remove Transformer, Replace 500 KVA Liquid Filled Primary Transformer	1,834.32
26 01 10 99-0009	EA	Install New 5 KV Primary, 277/480 Volt Secondary, Replace 500 KVA Liquid Filled Primary Transformer	45,440.73

26 01 10 99-0010 Switchgear, Mainframe *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0011 Repair 1,200 Amp Switchgear *(26 01 10 99-0010)*

26 01 10 99-0012	EA	Remove Relay, Repair 1,200 Amperes Switchgear	210.81
26 01 10 99-0013	EA	Install New Relay, Repair 1,200 Amperes Switchgear	1,915.80

26 01 10 99-0014 Maintenance And Inspection, Mainframe Switchgear *(26 01 10 99-0010)*

26 01 10 99-0015	EA	Check And Retighten Switchgear Connections, Maintenance And Inspection, Mainframe Switchgear	99.09

26 01 10 99-0016 Replace 1,200 Amp Switchgear *(26 01 10 99-0010)*

26 01 10 99-0017	EA	Remove 1,200 Amperes Switchgear, Replace 1,200 Amperes Switchgear	743.16
26 01 10 99-0018	EA	Install New 1,200 Amperes Switchgear, Replace 1,200 Amperes Switchgear	4,491.54
26 01 10 99-0019	EA	Test Switchgear, Replace 1,200 Amperes Switchgear	247.72

26 01 10 99-0020 500kVA And Over, Dry Type Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0021	EA	Annual Preventative Maintenance For 500kVA And Over, Dry Type Transformer	114.13
		Note: 1. Examine Exterior Of Transformer For Any Damage. 2. Remove Covers Or Open Doors. 3. Check For Signs Of Moisture Or Overheating. 4. Check For Voltage Creeping Over Insulated Surfaces, Such As Evidenced By Tracking Or Carbonization. 5. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 6. Check Condition Of Ground System. 7. Reinstall Covers Or Close Doors. 8. Fill Out Maintenance Checklist And Report Deficiencies.		

26 01 10 99-0022 Pad Mounted Oil Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0023	EA	Annual Preventative Maintenance For Pad Mounted Oil Transformer	175.15
		Note: 1. Examine Exterior Of Transformer For Any Damage, Cracks, Rust And Leaks; Check Around Bushings, Gasket And Pressure Relief Device. 2. Check Condition Of Ground System. 3. Check And Record Oil Level, Pressure And Temperature Readings. 4. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 5. Draw Oil Sample From Top Of Transformer And Have Sample Tested For Dielectric Strength; Add Oil To Replace Sample Taken. 6. Clean Transformer Exterior And Surrounding Area. 7. Fill Out Maintenance Checklist And Report Deficiencies.		

26 01 10 99-0024 PCB Pad Mounted Oil Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 99-0025	EA	Annual Preventative Maintenance For PCB Pad Mounted Oil Transformer Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Examine Exterior Of The Transformer For Any Damage, Cracks, Rust And Leaks; Check Around Gaskets, Pressure Relief Device And Cooling Fins. 3. Check And Record Oil Level, Pressure And Temperature Readings. 4. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 5. Check Exterior Bushings For Leaking Oil. 6. Check Condition Of Ground System. 7. Draw Oil Sample From Top Of Transformer And Have Sample Tested; Add Oil To Replace Sample Taken. 8. Clean Transformer Exterior And Surrounding Area. 9. Verify PCB Warning Markings Are Intact And Clearly Visible 10. Fill Out Maintenance Checklist And Report Deficiencies. 11. EPA Regulations Under 40 CFR 716.30 Shall Apply To All Inspections, Samples, Disposal, Cleanups, Decontamination, Reporting And Record Keeping.	226.18	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	44.94
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	44.94
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	12.49
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	5.14

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	25.97
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	25.97

26 01 20 99 Low-Voltage Electrical Distribution, Facilities Maintenance and Repair *(26 01 20)*

Note: The Maintenance & Repair section is a listing of common maintenance tasks performed at facilities. Under the System Description column, each task, including its components, is described. Labor-hours have been enhanced, where appropriate, to include setup and delay time. In some cases, the list of steps comprising the task includes most of the potential repairs that could be made on a system. For those tasks, individual items, as appropriate, can be selected from the allencompassing list.

26 01 20 99-0001 Electrical Service/Distribution *(26 01 20 99)*

Note: Includes all required small tools and equipment.

26 01 20 99-0002 Dry Primary Transformer *(26 01 20 99-0001)*

26 01 20 99-0003 Repair 15 KV Dry Primary Transformer *(26 01 20 99-0002)*

26 01 20 99-0004	EA	Repair Transformer Terminal (For Repair 15 KV Dry Primary Transformer)	316.18

26 01 20 99-0005 Maintenance And Inspection, Dry Primary Transformer *(26 01 20 99-0002)*

26 01 20 99-0006	EA	Test Energized Transformer (For Maintenance And Inspection, Dry Primary Transformer)	61.93

26 01 20 99-0007 Replace 15 KV Dry Primary Transformer *(26 01 20 99-0002)*

26 01 20 99-0008	EA	Remove Transformer (For Replace 15 KV Dry Primary Transformer)	1,834.32
26 01 20 99-0009	EA	Install New 500 KVA, 277/480 Volt Secondary (For Replace 15 KV Dry Primary Transformer)	43,486.51

26 01 20 99-0010 Fuses *(26 01 20 99-0001)*

26 01 20 99-0011 Replace Fuse *(26 01 20 99-0010)*

26 01 20 99-0012	EA	Remove Fuse (For Replace Fuse)	18.70
26 01 20 99-0013	EA	Install New Fuse 600 Amp (For Replace Fuse)	479.98

26 01 20 99-0014 Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0001)*

26 01 20 99-0015 Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

26 01 20 99-0016	EA	Remove Circuit Breaker (For Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear)	49.54
26 01 20 99-0017	EA	Install New Circuit Breaker (For Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear)	820.94

26 01 20 99-0018 Maintenance And Inspection, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

26 01 20 99-0019	EA	Inspect And Clean Panel (For Maintenance And Inspection, Less Than 600 Volt Indoor Switchgear)	61.93

26 01 20 99-0020 Replace 225 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

26 01 20 99-0021	EA	Remove 4 Wire, 120/208 Volt, Panel Board (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear)	495.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0022	EA	Install New 4 Wire, 120/208 Volt, 225 Amp Main Circuit Breaker, Panel Board (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear)	2,064.90	
26 01 20 99-0023	EA	Test Circuits (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear)	186.90	
26 01 20 99-0024		Replace 400 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*		
26 01 20 99-0025	EA	Turn Power Off, Later Turn On (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	24.77	
26 01 20 99-0026	EA	Remove 4 Wire, 120/208 Volt, 100 Amp, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	412.82	
26 01 20 99-0027	EA	Remove 4 Wire, 120/208 Volt, 400 Amp, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	1,032.12	
26 01 20 99-0028	EA	Install New 100 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	6,726.86	
26 01 20 99-0029	EA	Install New 400 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	11,084.07	
26 01 20 99-0030	EA	Test Circuits (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	17.96	
26 01 20 99-0031		Replace 600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*		
26 01 20 99-0032	EA	Turn Power Off, Later Turn On (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	37.16	
26 01 20 99-0033	EA	Remove 4 Wire, 120/208 Volt, 200 Amp, Panel Board (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	825.77	
26 01 20 99-0034	EA	Remove Incoming Section (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	600.47	
26 01 20 99-0035	EA	Remove Distribution Section (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	495.44	
26 01 20 99-0036	EA	Install New 225 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	6,725.07	
26 01 20 99-0037	EA	Install New Incoming Section, 600 Amp (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	7,142.86	
26 01 20 99-0038	EA	Install New Distribution Section, 600 Amp (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	3,636.08	
26 01 20 99-0039	EA	Test Circuits (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	27.00	
26 01 20 99-0040		Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*		
26 01 20 99-0041	EA	Turn Power Off, Later Turn On (For Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	49.54	
26 01 20 99-0042	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 2 Panel Boards (For Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	1,651.42	
26 01 20 99-0043	EA	Remove Incoming Section (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	683.33	
26 01 20 99-0044	EA	Remove Distribution Section (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	550.43	
26 01 20 99-0045	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 2 Panel Boards (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	13,051.76	
26 01 20 99-0046	EA	Install New Incoming Section, 800 Amperes (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	7,413.12	
26 01 20 99-0047	EA	Install New Distribution Section, 800 Amperes (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	4,338.86	
26 01 20 99-0048	EA	Test Circuits (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	36.04	
26 01 20 99-0049		Replace 1,200 Amp Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*		
26 01 20 99-0050	EA	Turn Power Off, Later Turn On (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	74.32	
26 01 20 99-0051	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 4 Panel Boards (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	3,302.96	
26 01 20 99-0052	EA	Remove Incoming Section (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	825.77	
26 01 20 99-0053	EA	Remove Distribution Section (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	639.24	
26 01 20 99-0054	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 4 Panel Boards (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	26,103.53	
26 01 20 99-0055	EA	Install New Incoming Section, 1,200 Amperes (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	8,954.87	
26 01 20 99-0056	EA	Install New Distribution Section, 1,200 Amperes (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	5,889.94	
26 01 20 99-0057	EA	Test Circuits (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	54.00	
26 01 20 99-0058		Replace 1,600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*		
26 01 20 99-0059	EA	Turn Power Off, Later Turn On (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	99.09	
26 01 20 99-0060	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 6 Panel Boards (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	4,954.38	
26 01 20 99-0061	EA	Remove Incoming Section (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	900.83	
26 01 20 99-0062	EA	Remove Distribution Section (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	683.33	
26 01 20 99-0063	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 6 Panel Boards (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	39,155.17	
26 01 20 99-0064	EA	Install New Incoming Section, 1,600 Amperes (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	9,205.06	
26 01 20 99-0065	EA	Install New Distribution Section, 1,600 Ampere (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	7,905.44	
26 01 20 99-0066	EA	Test Circuits (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	72.09	
26 01 20 99-0067		Replace 2,000 Amp Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0068	EA	Turn Power Off, Later Turn On (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		123.86	
26 01 20 99-0069	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 8 Panel Boards (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		6,605.80	
26 01 20 99-0070	EA	Remove Incoming Section (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		943.69	
26 01 20 99-0071	EA	Remove Distribution Section (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		733.99	
26 01 20 99-0072	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 8 Panel Boards (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		52,206.93	
26 01 20 99-0073	EA	Install New Incoming Section, 2,000 Amperes (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		9,981.68	
26 01 20 99-0074	EA	Install New Distribution Section, 2,000 Amperes (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		9,409.15	
26 01 20 99-0075	EA	Test Circuits (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)		90.05	
26 01 20 99-0076		600 Volt Indoor Switchgear *(26 01 20 99-0001)*			
26 01 20 99-0077		Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear *(26 01 20 99-0076)*			
26 01 20 99-0078	EA	Remove Fuse (For Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear)		18.70	
26 01 20 99-0079	EA	Install New Fuse (For Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear)		479.98	
26 01 20 99-0080		Maintenance And Inspection, 600 Volt Indoor Switchgear *(26 01 20 99-0076)*			
26 01 20 99-0081	EA	Inspect And Clean Panel (For Maintenance And Inspection, 600 Volt Indoor Switchgear)		61.93	
26 01 20 99-0082		Replace 600 Volt Switchgear *(26 01 20 99-0076)*			
26 01 20 99-0083	EA	Remove Indoor Switchgear (For Replace 600 Volt Switchgear)		495.44	
26 01 20 99-0084	EA	Install New Switchgear (For Replace 600 Volt Switchgear)		3,086.73	
26 01 20 99-0085	EA	Test Circuits (For Replace 600 Volt Switchgear)		247.72	
26 01 20 99-0086		Switchboard Meters *(26 01 20 99-0001)*			
26 01 20 99-0087		Repair Switchboard Meter *(26 01 20 99-0086)*			
26 01 20 99-0088	EA	Repair Meter (For Repair Switchboard Meter)		1,452.43	
26 01 20 99-0089		Replace Switchboard Meter *(26 01 20 99-0086)*			
26 01 20 99-0090	EA	Remove Meter (For Replace Switchboard Meter)		61.93	
26 01 20 99-0091	EA	Install New Meter (For Replace Switchboard Meter)		4,363.83	
26 01 20 99-0092		Inverter *(26 01 20 99-0001)*			
26 01 20 99-0093		Maintenance And Repair, 1 KVA Inverter *(26 01 20 99-0092)*			
26 01 20 99-0094	EA	Repair Inverter Component (For Maintenance And Repair, 1 KVA Inverter)		1,008.25	
26 01 20 99-0095		Maintenance And Inspection, 1 KVA Inverter *(26 01 20 99-0092)*			
26 01 20 99-0096	EA	Check Connections, Controls And Relays, Maintenance And Inspection, 1 KVA Inverter		198.18	
26 01 20 99-0097		Replace 1 KVA Inverter *(26 01 20 99-0092)*			
26 01 20 99-0098	EA	Remove Inverter (For Replace 1 KVA Inverter)		61.93	
26 01 20 99-0099	EA	Install New Inverter (For Replace 1 KVA Inverter)		4,087.68	
26 01 20 99-0100		Up To 600 Volt Rectifier *(26 01 20 99-0001)*			
26 01 20 99-0101		Maintenance And Repair, Up To 600 Volt Rectifier *(26 01 20 99-0100)*			
26 01 20 99-0102	EA	Repair Rectifier Component (For Maintenance And Repair, Up To 600 Volt Rectifier)		846.27	
26 01 20 99-0103		Maintenance And Inspection, Up To 600 Volt Rectifier *(26 01 20 99-0100)*			
26 01 20 99-0104	EA	Check Connections, Controls And Relays (For Maintenance And Inspection, Up To 600 Volt Rectifier)		198.18	
26 01 20 99-0105		Replace Up To 600 Volt Rectifier *(26 01 20 99-0100)*			
26 01 20 99-0106	EA	Remove Rectifier (For Replace Up To 600 Volt Rectifier)		61.93	
26 01 20 99-0107	EA	Install New Rectifier (For Replace Up To 600 Volt Rectifier)		1,261.31	
26 01 20 99-0108		Less Than 600 Volt Motor Starter *(26 01 20 99-0001)*			
26 01 20 99-0109		Maintenance And Repair, Less Than 600 Volt Motor Starter *(26 01 20 99-0108)*			
26 01 20 99-0110	EA	Remove Motor Starter Coil (For Maintenance And Repair, Less Than 600 Volt Motor Starter)		61.93	
26 01 20 99-0111	EA	Install New Motor Starter Coil (For Maintenance And Repair, Less Than 600 Volt Motor Starter)		286.34	
26 01 20 99-0112		Maintenance And Inspection, Less Than 600 Volt Motor Starter *(26 01 20 99-0108)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0113	EA	Inspect And Clean Motor Starter (For Maintenance And Inspection, Less Than 600 Volt Motor Starter)	82.61	
26 01 20 99-0114		**Replace Starter, Less Than 600 Volt Motor Starter** *(26 01 20 99-0108)*		
26 01 20 99-0115	EA	Remove Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter)	111.35	
26 01 20 99-0116	EA	Install New 5 HP, Size 0, Magnetic Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter)	907.89	
26 01 20 99-0117	EA	Cut, Form, Align And Connect Wires (For Replace Starter, Less Than 600 Volt Motor Starter)	18.70	
26 01 20 99-0118	EA	Check Operation Of Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter)	2.23	
26 01 20 99-0119		**600 Volt Motor Starter** *(26 01 20 99-0001)*		
26 01 20 99-0120		**Maintenance And Repair, 600 Volt Motor Starter** *(26 01 20 99-0119)*		
26 01 20 99-0121	EA	Remove Motor Starter Coil (For Maintenance And Repair, 600 Volt Motor Starter)	210.81	
26 01 20 99-0122	EA	Install New Motor Starter Coil (For Maintenance And Repair, 600 Volt Motor Starter)	758.28	
26 01 20 99-0123		**Maintenance And Inspection, 600 Volt Motor Starter** *(26 01 20 99-0119)*		
26 01 20 99-0124	EA	Inspect And Clean Motor Starter (For Maintenance And Inspection, 600 Volt Motor Starter)	82.61	
26 01 20 99-0125		**Replace 600 Volt Motor Starter** *(26 01 20 99-0119)*		
26 01 20 99-0126	EA	Remove Motor Starter (For Replace 600 Volt Motor Starter)	412.82	
26 01 20 99-0127	EA	Install New 3 Pole, 100 HP Motor, FVRN Motor Starter (For Replace 600 Volt Motor Starter)	6,241.03	
26 01 20 99-0128	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt Motor Starter)	21.06	
26 01 20 99-0129	EA	Check Operation Of Motor Starter (For Replace 600 Volt Motor Starter)	2.23	
26 01 20 99-0130		**Liquid Filled Secondary Transformer** *(26 01 20 99-0001)*		
26 01 20 99-0131		**Maintenance And Repair, Liquid Filled Secondary Transformer** *(26 01 20 99-0130)*		
26 01 20 99-0132	EA	Remove Transformer Terminal (For Maintenance And Repair, Liquid Filled Secondary Transformer)	43.10	
26 01 20 99-0133	EA	Install New Transformer Terminal (For Maintenance And Repair, Liquid Filled Secondary Transformer)	138.38	
26 01 20 99-0134		**Maintenance And Inspection, Liquid Filled Secondary Transformer** *(26 01 20 99-0130)*		
26 01 20 99-0135	EA	Check Connections And Fluid (For Maintenance And Inspection, Liquid Filled Secondary Transformer)	82.61	
26 01 20 99-0136		**Dry Secondary Transformer** *(26 01 20 99-0001)*		
26 01 20 99-0137		**Maintenance And Repair, Dry Secondary Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0138	EA	Remove Transformer Terminal (For Maintenance And Repair, Dry Secondary Transformer)	61.93	
26 01 20 99-0139	EA	Install New Transformer Terminal (For Maintenance And Repair, Dry Secondary Transformer)	256.62	
26 01 20 99-0140		**Maintenance And Inspection Dry Secondary Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0141	EA	Inspect Connections And Tighten (For Maintenance And Inspection Dry Secondary Transformer)	123.86	
26 01 20 99-0142		**Replace 15 KVA Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0143	EA	Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 15 KVA Transformer)	540.03	
26 01 20 99-0144	EA	Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 15 KVA Transformer)	3,409.20	
26 01 20 99-0145		**Replace 112.5 KVA Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0146	EA	Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 112.5 KVA Transformer)	917.23	
26 01 20 99-0147	EA	Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 112.5 KVA Transformer)	7,233.73	
26 01 20 99-0148		**Replace 500 KVA Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0149	EA	Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 500 KVA Transformer)	1,899.88	
26 01 20 99-0150	EA	Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 500 KVA Transformer)	25,513.64	
26 01 20 99-0151		**Indoor Lighting Panel** *(26 01 20 99-0001)*		
26 01 20 99-0152		**Maintenance And Inspection, Indoor Lighting Panel** *(26 01 20 99-0151)*		
26 01 20 99-0153	EA	Inspect And Clean Panels (For Maintenance And Inspection, Indoor Lighting Panel)	61.93	
26 01 20 99-0154		**Replace 100 Amp Load Center** *(26 01 20 99-0151)*		
26 01 20 99-0155	EA	Turn Power Off, Later Turn On (For Replace 100 Amp Load Center)	12.39	
26 01 20 99-0156	EA	Remove 3 Wire, 120/240 Volt, Load Center (For Replace 100 Amp Load Center)	381.12	
26 01 20 99-0157	EA	Install New 3 Wire, 120/240 Volt, 100 Amp, Load Center (For Replace 100 Amp Load Center)	1,178.75	
26 01 20 99-0158	EA	Test Circuits (For Replace 100 Amp Load Center)	9.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0159		Lighting And Branch Wiring *(26 01 20 99)* Note: Includes all required small tools and equipment.		
26 01 20 99-0160		Wireway *(26 01 20 99-0159)*		
26 01 20 99-0161		Replace 8" x 8" Wireway *(26 01 20 99-0160)*		
26 01 20 99-0162	LF	Remove And Reinstall Supply Box (For Replace 8" x 8" Wireway)	6.19	
26 01 20 99-0163	LF	Remove Wireway, Fittings And Support (For Replace 8" x 8" Wireway)	12.39	
26 01 20 99-0164	LF	Install New Wireway, Fittings And Support (For Replace 8" x 8" Wireway)	85.32	
26 01 20 99-0165		Non-Metallic (NM) Tubing/Sheathed Cable *(26 01 20 99-0159)*		
26 01 20 99-0166		Replace Non-Metallic (NM) Tubing/Sheathed Cable *(26 01 20 99-0165)*		
26 01 20 99-0167	MLF	Shut Off Power, Later Turn On (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	12.39	
26 01 20 99-0168	MLF	Remove And Reinstall Cover Plate (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	159.78	
26 01 20 99-0169	MLF	Remove Junction Box (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	123.86	
26 01 20 99-0170	MLF	Remove Non-Metallic (NM) Tubing, #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	1,575.49	
26 01 20 99-0171	MLF	Install Non-Metallic (NM) Tubing, #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	4,612.68	
26 01 20 99-0172	MLF	Install New Staples, For Romex Or BX Cable (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	499.59	
26 01 20 99-0173	MLF	Install New Cable Connectors For #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	105.99	
26 01 20 99-0174	MLF	Install New 4" Outlet Box Square For Romex Or BX (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	592.31	
26 01 20 99-0175		Service Cable *(26 01 20 99-0159)*		
26 01 20 99-0176		Replace Service Cable *(26 01 20 99-0175)*		
26 01 20 99-0177	MLF	Shut Off Power, Later Turn On (For Replace Service Cable)	12.39	
26 01 20 99-0178	MLF	Remove And Reinstall Cover Plate (For Replace Service Cable)	159.78	
26 01 20 99-0179	MLF	Remove Junction Box (For Replace Service Cable)	123.86	
26 01 20 99-0180	MLF	Remove #6 XLPE Wire (For Replace Service Cable)	247.72	
26 01 20 99-0181	MLF	Install New 600 Volt, Copper Type XLPE-USE (For Replace Service Cable)	2,950.30	
26 01 20 99-0182	MLF	Install New Staples For Service Cable (For Replace Service Cable)	627.60	
26 01 20 99-0183	MLF	Install New SER Cable Connectors (For Replace Service Cable)	509.80	
26 01 20 99-0184	MLF	Install New 4" Outlet Box Square (For Replace Service Cable)	529.25	
26 01 20 99-0185		Cable, Armored *(26 01 20 99-0159)*		
26 01 20 99-0186		Replace Armored Cable *(26 01 20 99-0185)*		
26 01 20 99-0187	MLF	Shut Off Power, Later Turn On (For Replace Armored Cable)	12.39	
26 01 20 99-0188	MLF	Remove And Reinstall Cover Plate (For Replace Armored Cable)	159.78	
26 01 20 99-0189	MLF	Remove Junction Box (For Replace Armored Cable)	123.86	
26 01 20 99-0190	MLF	Remove Armored Cable (For Replace Armored Cable)	1,637.42	
26 01 20 99-0191	MLF	Install New #12, 2 Wire, BX (For Replace Armored Cable)	4,777.64	
26 01 20 99-0192	MLF	Install New Staples, For Romex Or BX Cable (For Replace Armored Cable)	499.59	
26 01 20 99-0193	MLF	Install New Cable Connector (For Replace Armored Cable)	257.78	
26 01 20 99-0194	MLF	Install New 4" Outlet Box Square For Romex Or BX (For Replace Armored Cable)	592.31	
26 01 20 99-0195		Branch Wiring With Junction Box *(26 01 20 99-0159)*		
26 01 20 99-0196		Replace Branch Wiring *(26 01 20 99-0195)*		
26 01 20 99-0197	MLF	Shut Off Power, Later Turn On (For Replace Branch Wiring)	12.39	
26 01 20 99-0198	MLF	Remove And Reinstall Cover Plate (For Replace Branch Wiring)	159.78	
26 01 20 99-0199	MLF	Remove Junction Box (For Replace Branch Wiring)	123.86	
26 01 20 99-0200	MLF	Remove #12 Wire (For Replace Branch Wiring)	180.22	
26 01 20 99-0201	MLF	Install New #12 Copper, Stranded, Conductor (For Replace Branch Wiring)	1,463.61	
26 01 20 99-0202	MLF	Install New 4" Outlet Box Square (For Replace Branch Wiring)	529.25	
26 01 20 99-0203	MLF	Install New Wire Connectors (For Replace Branch Wiring)	128.84	
26 01 20 99-0204		600 Volt Branch Wiring *(26 01 20 99-0159)*		
26 01 20 99-0205		Replace 600 Volt Branch Wiring *(26 01 20 99-0204)*		
26 01 20 99-0206	MLF	Shut Off Power, Later Turn On (For Replace 600 Volt Branch Wiring)	12.39	
26 01 20 99-0207	MLF	Remove #12 Wire (For Replace 600 Volt Branch Wiring)	180.22	
26 01 20 99-0208	MLF	Install New #12 Copper, Stranded, Conductor (For Replace 600 Volt Branch Wiring)	1,463.61	
26 01 20 99-0209	MLF	Cut, Form And Align 4 Wires (For Replace 600 Volt Branch Wiring)	50.78	
26 01 20 99-0210	MLF	Splice, Solder, Insulate 2 Wires (For Replace 600 Volt Branch Wiring)	330.33	
26 01 20 99-0211		Circuit Breaker *(26 01 20 99-0159)*		
26 01 20 99-0212		Maintenance And Repair, 480 Volt, 1 Pole Molded Case Circuit Breaker *(26 01 20 99-0211)*		
26 01 20 99-0213	EA	Tighten Connections (For Maintenance And Repair, 480 Volt, 1 Pole Molded Case Circuit Breaker)	110.11	
26 01 20 99-0214		Maintenance And Inspection, 480 Volt, 1 Pole Molded Case Circuit Breaker *(26 01 20 99-0211)*		
26 01 20 99-0215	EA	Inspect, Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 1 Pole Molded Case Circuit Breaker)	49.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0216		**Replace 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0217	EA	Remove Circuit Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	43.10	
26 01 20 99-0218	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	820.94	
26 01 20 99-0219	EA	Cut, Form, Align And Connect Wires (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	18.70	
26 01 20 99-0220	EA	Check Operation Of Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	2.23	
26 01 20 99-0221		**Maintenance And Repair, 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0222	EA	Tighten Connections (For Maintenance And Repair, 480 Volt, 2 Pole Molded Case Circuit Breaker)	110.11	
26 01 20 99-0223		**Maintenance And Inspection, 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0224	EA	Inspect, Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 2 Pole Molded Case Circuit Breaker)	49.54	
26 01 20 99-0225		**Replace 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0226	EA	Remove Circuit Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	61.93	
26 01 20 99-0227	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	1,152.40	
26 01 20 99-0228	EA	Cut, Form, Align And Connect Wires (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	18.70	
26 01 20 99-0229	EA	Check Operation Of Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	2.23	
26 01 20 99-0230		**Maintenance And Repair, 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0231	EA	Tighten Connections (For Maintenance And Repair, 480 Volt, 3 Pole Molded Case Circuit Breaker)	110.11	
26 01 20 99-0232		**Maintenance And Inspection, 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0233	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 3 Pole Molded Case Circuit Breaker)	49.54	
26 01 20 99-0234		**Replace 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0235	EA	Remove Circuit Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	61.93	
26 01 20 99-0236	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	1,440.50	
26 01 20 99-0237	EA	Cut, Form, Align And Connect Wires (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	18.70	
26 01 20 99-0238	EA	Check Operation Of Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	2.23	
26 01 20 99-0239		**Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch** *(26 01 20 99-0211)*		
26 01 20 99-0240	EA	Remove Trip Switch (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch)	61.93	
26 01 20 99-0241	EA	Install New Trip Switch (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch)	392.14	
26 01 20 99-0242		**Maintenance And Inspection, 600 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0243	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 2 Pole Molded Case Circuit Breaker)	49.54	
26 01 20 99-0244		**Replace 600 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0245	EA	Remove Circuit Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	61.93	
26 01 20 99-0246	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	1,193.89	
26 01 20 99-0247	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	21.06	
26 01 20 99-0248	EA	Check Operation Of Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	2.23	
26 01 20 99-0249		**Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch** *(26 01 20 99-0211)*		
26 01 20 99-0250	EA	Remove Trip Switch (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch)	61.93	
26 01 20 99-0251	EA	Install New Trip Switch (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch)	392.14	
26 01 20 99-0252		**Maintenance And Inspection, 600 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0253	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 3 Pole Molded Case Circuit Breaker)	49.54	
26 01 20 99-0254		**Replace 600 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0255	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	110.11	
26 01 20 99-0256	EA	Install New 125 To 400 Amp Circuit Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	4,942.60	
26 01 20 99-0257	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	21.06	
26 01 20 99-0258	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	2.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0259		**Maintenance And Repair, 240 Volt, 1 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0260	EA	Tighten Connections (For Maintenance And Repair, 240 Volt, 1 Pole Enclosed Circuit Breaker)	110.11	
26 01 20 99-0261		**Maintenance And Inspection, 240 Volt, 1 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0262	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 1 Pole Enclosed Circuit Breaker)	49.54	
26 01 20 99-0263		**Replace 240 Volt, 1 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0264	EA	Remove Circuit Breaker (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	61.93	
26 01 20 99-0265	EA	Install New 240 Volt, 1 Pole, 15 To 60 Amp, Circuit Breaker Enclosed (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	527.28	
26 01 20 99-0266	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	18.70	
26 01 20 99-0267	EA	Check Operation Of Breaker (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	2.23	
26 01 20 99-0268		**Maintenance And Repair, 240 Volt, 2 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0269	EA	Tighten Connections (For Maintenance And Repair, 240 Volt, 2 Pole Circuit Breaker Enclosed)	110.11	
26 01 20 99-0270		**Maintenance And Inspection, 240 Volt, 2 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0271	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 2 Pole Circuit Breaker Enclosed)	49.54	
26 01 20 99-0272		**Replace 240 Volt, 2 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0273	EA	Remove Circuit Breaker (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	61.93	
26 01 20 99-0274	EA	Install New Circuit Breaker Enclosed, 240 Volt, 15 To 60 Amp, 2 Pole (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	875.38	
26 01 20 99-0275	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	18.70	
26 01 20 99-0276	EA	Check Operation Of Breaker (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	2.23	
26 01 20 99-0277		**Maintenance And Repair, 240 Volt, 3 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0278	EA	Tighten Connections (For Maintenance And Repair, 240 Volt, 3 Pole Circuit Breaker Enclosed)	110.11	
26 01 20 99-0279		**Maintenance And Inspection, 240 Volt, 3 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0280	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 3 Pole Circuit Breaker Enclosed)	49.54	
26 01 20 99-0281		**Replace 240 Volt, 3 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0282	EA	Remove Circuit Breaker (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	61.93	
26 01 20 99-0283	EA	Install New Circuit Breaker Enclosed, 240 Volt, 15 To 60 Amp, 3 Pole (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	931.97	
26 01 20 99-0284	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	18.70	
26 01 20 99-0285	EA	Check Operation Of Breaker (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	2.23	
26 01 20 99-0286		**Repair Failed 600 Volt, 2 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0287	EA	Repair Circuit Breaker Component (For Repair Failed 600 Volt, 2 Pole Circuit Breaker Enclosed)	845.25	
26 01 20 99-0288		**Maintenance And Inspection, 600 Volt, 2 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0289	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 2 Pole Circuit Breaker Enclosed)	49.54	
26 01 20 99-0290		**Replace 600 Volt, 2 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0291	EA	Remove Circuit Breaker, 600 Volt, 100 Amp, 2 Pole (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	99.09	
26 01 20 99-0292	EA	Install New Circuit Breaker Enclosed, 600 Volt, 100 Amp, 2 Pole (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	1,392.06	
26 01 20 99-0293	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	21.06	
26 01 20 99-0294	EA	Check Operation Of Breaker (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	2.23	
26 01 20 99-0295		**Repair Failed 600 Volt, 3 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0296	EA	Repair Circuit Breaker Component (For Replace 600 Volt, 3 Pole Circuit Breaker Enclosed)	1,209.62	
26 01 20 99-0297		**Maintenance And Inspection, 600 Volt, 3 Pole Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0298	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 3 Pole Circuit Breaker Enclosed)	49.54	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0299		**Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0300	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	110.11	
26 01 20 99-0301	EA	Install New Circuit Breaker Enclosed, 600 Volt, 100 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	1,104.96	
26 01 20 99-0302	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	21.06	
26 01 20 99-0303	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	2.23	
26 01 20 99-0304		**Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0305	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	550.43	
26 01 20 99-0306	EA	Install New Circuit Breaker Enclosed, 600 Volt, 800 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	11,131.85	
26 01 20 99-0307	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	42.11	
26 01 20 99-0308	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	4.58	
26 01 20 99-0309		**Replace 600 Volt, 3 Pole 1000 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0310	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	639.24	
26 01 20 99-0311	EA	Install New Circuit Breaker Enclosed, 600 Volt, 1,000 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	19,680.52	
26 01 20 99-0312	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	63.91	
26 01 20 99-0313	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	6.81	
26 01 20 99-0314		**Replace 600 Volt, 3 Pole 1600 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0315	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	707.73	
26 01 20 99-0316	EA	Install New Circuit Breaker Enclosed, 600 Volt, 1,600 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	23,081.53	
26 01 20 99-0317	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	84.35	
26 01 20 99-0318	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	9.04	
26 01 20 99-0319		**Replace 600 Volt, 3 Pole 2000 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0320	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	792.70	
26 01 20 99-0321	EA	Install New Circuit Breaker Enclosed, 600 Volt, 2,000 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	29,130.21	
26 01 20 99-0322	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	175.63	
26 01 20 99-0323	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	18.95	
26 01 20 99-0324		**Safety Switch, Heavy Duty** *(26 01 20 99-0159)*		
26 01 20 99-0325		**Maintenance And Repair, 3 Pole Heavy Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0326	EA	Resecure Lugs (For Maintenance And Repair, 3 Pole Heavy Duty Safety Switch)	61.93	
26 01 20 99-0327		**Maintenance And Inspection, 3 Pole Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0328	EA	Inspect And Clean Safety Switch (For Maintenance And Inspection, 3 Pole Safety Switch)	61.93	
26 01 20 99-0329		**Replace 30 Amp Heavy Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0330	EA	Remove Safety Switch (For Replace 30 Amp Heavy Duty Safety Switch)	80.51	
26 01 20 99-0331	EA	Install New Fused Safety Switch, Heavy Duty, 600 Volt, 3 Pole, 30 Amp (For Replace 30 Amp Heavy Duty Safety Switch)	548.21	
26 01 20 99-0332	EA	Install New Fuses (For Replace 30 Amp Heavy Duty Safety Switch)	209.67	
26 01 20 99-0333	EA	Check Operation Of Switch (For Replace 30 Amp Heavy Duty Safety Switch)	2.23	
26 01 20 99-0334		**Replace 100 Amp Heavy Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0335	EA	Remove Safety Switch (For Replace 100 Amp Heavy Duty Safety Switch)	135.75	
26 01 20 99-0336	EA	Install New Fused Safety Switch, Heavy Duty, 600 Volt, 3 Pole, 100 Amp (For Replace 100 Amp Heavy Duty Safety Switch)	988.31	
26 01 20 99-0337	EA	Install New Fuses (For Replace 100 Amp Heavy Duty Safety Switch)	351.76	
26 01 20 99-0338	EA	Check Operation Of Switch (For Replace 100 Amp Heavy Duty Safety Switch)	2.23	
26 01 20 99-0339		**Replace 200 Amp Heavy Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0340	EA	Remove Safety Switch (For Replace 200 Amp Heavy Duty Safety Switch)	198.18	
26 01 20 99-0341	EA	Install New Fused Safety Switch, Heavy Duty, 600 Volt, 3 Pole, 200 Amp (For Replace 200 Amp Heavy Duty Safety Switch)	1,509.01	
26 01 20 99-0342	EA	Install New Fuses (For Replace 200 Amp Heavy Duty Safety Switch)	621.84	
26 01 20 99-0343	EA	Check Operation Of Switch (For Replace 200 Amp Heavy Duty Safety Switch)	2.23	
26 01 20 99-0344		**Replace 400 Amp Heavy Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0345	EA	Remove Safety Switch (For Replace 400 Amp Heavy Duty Safety Switch)	291.44	
26 01 20 99-0346	EA	Install New Fused Safety Switch, Heavy Duty, 600 Volt, 3 Pole, 400 Amp (For Replace 400 Amp Heavy Duty Safety Switch)	2,812.37	

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26 01 20 99-0347	EA	Install New Fuses (For Replace 400 Amp Heavy Duty Safety Switch)	1,275.15	
26 01 20 99-0348	EA	Check Operation Of Switch (For Replace 400 Amp Heavy Duty Safety Switch)	4.58	
26 01 20 99-0349		Replace 600 Amp Heavy Duty Safety Switch *(26 01 20 99-0324)*		
26 01 20 99-0350	EA	Remove Safety Switch (For Replace 600 Amp Heavy Duty Safety Switch)	430.78	
26 01 20 99-0351	EA	Install New Fused Safety Switch, Heavy Duty, 600 Volt, 3 Pole, 600 Amp (For Replace 600 Amp Heavy Duty Safety Switch)	5,074.18	
26 01 20 99-0352	EA	Install New Fuses (For Replace 600 Amp Heavy Duty Safety Switch)	1,595.52	
26 01 20 99-0353	EA	Check Operation Of Switch (For Replace 600 Amp Heavy Duty Safety Switch)	4.58	
26 01 20 99-0354		Safety Switch, General Duty *(26 01 20 99-0159)*		
26 01 20 99-0355		Maintenance And Repair, 2 Pole General Safety Switch *(26 01 20 99-0354)*		
26 01 20 99-0356	EA	Resecure Lugs (For Maintenance And Repair, 2 Pole General Safety Switch)	61.93	
26 01 20 99-0357		Maintenance And Inspection, 2 Pole Safety Switch *(26 01 20 99-0354)*		
26 01 20 99-0358	EA	Inspect And Clean Safety Switch (For Maintenance And Inspection, 2 Pole Safety Switch)	61.93	
26 01 20 99-0359		Replace 240 Volt, 2 Pole Safety Switch *(26 01 20 99-0354)*		
26 01 20 99-0360	EA	Remove Safety Switch (For Replace 240 Volt, 2 Pole Safety Switch)	80.51	
26 01 20 99-0361	EA	Install New Fused Safety Switch, General Duty, 240 Volt, 2 Pole, 30 Amp (For Replace 240 Volt, 2 Pole Safety Switch)	393.66	
26 01 20 99-0362	EA	Install New Fuse, Dual Element, Time Delay, 250 Volt, 30 Amp (For Replace 240 Volt, 2 Pole Safety Switch)	66.50	
26 01 20 99-0363	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 2 Pole Safety Switch)	18.70	
26 01 20 99-0364	EA	Check Operation Of Switch (For Replace 240 Volt, 2 Pole Safety Switch)	2.23	
26 01 20 99-0365		Maintenance And Repair, 3 Pole General Safety Switch *(26 01 20 99-0354)*		
26 01 20 99-0366	EA	Resecure Lugs (For Maintenance And Repair, 3 Pole General Safety Switch)	61.93	
26 01 20 99-0367		Maintenance And Inspection, 3 Pole Safety Switch *(26 01 20 99-0354)*		
26 01 20 99-0368	EA	Inspect And Clean Safety Switch (For Maintenance And Inspection, 3 Pole Safety Switch)	61.93	
26 01 20 99-0369		Replace 240 Volt, 3 Pole Safety Switch *(26 01 20 99-0354)*		
26 01 20 99-0370	EA	Remove Safety Switch (For Replace 240 Volt, 3 Pole Safety Switch)	80.51	
26 01 20 99-0371	EA	Install New Fused Safety Switch, General Duty, 240 Volt, 3 Pole, 30 Amp (For Replace 240 Volt, 3 Pole Safety Switch)	453.82	
26 01 20 99-0372	EA	Install New Fuse, Dual Element, Time Delay, 250 Volt, 30 Amp (For Replace 240 Volt, 3 Pole Safety Switch)	99.75	
26 01 20 99-0373	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 3 Pole Safety Switch)	18.70	
26 01 20 99-0374	EA	Check Operation Of Switch (For Replace 240 Volt, 3 Pole Safety Switch)	2.23	
26 01 20 99-0375		Replace Low Voltage Cartridge *(26 01 20 99-0354)*		
26 01 20 99-0376	EA	Remove Cartridge Fuse Cutouts (For Replace Low Voltage Cartridge)	12.39	
26 01 20 99-0377	EA	Install New Cartridge Fuse Cutouts 3 Pole (For Replace Low Voltage Cartridge)	60.98	
26 01 20 99-0378		Replace Plug Fuse *(26 01 20 99-0354)*		
26 01 20 99-0379	EA	Remove Plug Fuse (For Replace Plug Fuse)	9.91	
26 01 20 99-0380	EA	Install New Plug Fuse, 120 Volt, 15 To 30 Amp (For Replace Plug Fuse)	25.06	
26 01 20 99-0381		Receptacles And Plugs *(26 01 20 99-0159)*		
26 01 20 99-0382		Maintenance And Repair, Receptacles And Plugs *(26 01 20 99-0381)*		
26 01 20 99-0383	EA	Repair Receptacle Component (Cover) (For Maintenance And Repair, Receptacles And Plugs)	63.66	
26 01 20 99-0384		Replace Receptacle/Plug, Receptacles And Plugs *(26 01 20 99-0381)*		
26 01 20 99-0385	EA	Turn Power Off, Later Turn On (For Replace Receptacle/Plug, Receptacles And Plugs)	12.39	
26 01 20 99-0386	EA	Remove And Reinstall Cover Plates (For Replace Receptacle/Plug, Receptacles And Plugs)	21.06	
26 01 20 99-0387	EA	Remove Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs)	4.95	
26 01 20 99-0388	EA	Install New Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs)	60.59	
26 01 20 99-0389	EA	Cut, Form, Align And Connect Wires (For Replace Receptacle/Plug, Receptacles And Plugs)	3.22	
26 01 20 99-0390	EA	Test For Operation, Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs)	1.86	
26 01 20 99-0391		4-Pin Receptacle *(26 01 20 99-0159)*		
26 01 20 99-0392		Repair 4-Pin Receptacle Cover *(26 01 20 99-0391)*		
26 01 20 99-0393	EA	Repair Receptacle(Cover) (For Repair 4-Pin Receptacle Cover)	84.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0394		Replace 4-Pin Receptacle *(26 01 20 99-0391)*		
26 01 20 99-0395	EA	Remove 4-Pin Receptacle (For Replace 4-Pin Receptacle)	24.77	
26 01 20 99-0396	EA	Install New 4-Pin Locking Receptacle (For Replace 4-Pin Receptacle)	163.81	
26 01 20 99-0397		Contactors And Relays *(26 01 20 99-0159)*		
26 01 20 99-0398		Maintenance And Repair, Contactors And Relays *(26 01 20 99-0397)*		
26 01 20 99-0399	EA	Remove Contactor Coil (For Maintenance And Repair, Contactors And Relays)	74.56	
26 01 20 99-0400	EA	Install New Contactor Coil (For Maintenance And Repair, Contactors And Relays)	289.21	
26 01 20 99-0401		Maintenance And Inspection, Contactors And Relays *(26 01 20 99-0397)*		
26 01 20 99-0402	EA	Inspect And Clean Contacts (For Maintenance And Inspection, Contactors And Relays)	30.96	
26 01 20 99-0403		Replace Contactor, Contactors And Relays *(26 01 20 99-0397)*		
26 01 20 99-0404	EA	Remove Magnetic Contactor (For Replace Contactor, Contactors And Relays)	99.09	
26 01 20 99-0405	EA	Install New Magnetic Contactor 600 Volt, 3 P, 25 HP (For Replace Contactor, Contactors And Relays)	983.77	
26 01 20 99-0406	EA	Cut, Form, Align And Connect Wires (For Replace Contactor, Contactors And Relays)	18.70	
26 01 20 99-0407	EA	Check Operation Of Contactor (For Replace Contactor, Contactors And Relays)	2.23	
26 01 20 99-0408		Wiring Devices, Switches *(26 01 20 99-0159)*		
26 01 20 99-0409		Maintenance And Repair, Wiring Devices, Switches *(26 01 20 99-0408)*		
26 01 20 99-0410	EA	Repair Switch Component (Cover) (For Maintenance And Repair, Wiring Devices, Switches)	63.66	
26 01 20 99-0411		Replace Switch, Wiring Devices, Switches *(26 01 20 99-0408)*		
26 01 20 99-0412	EA	Turn Power Off, Later Turn On (For Replace Switch, Wiring Devices, Switches)	12.39	
26 01 20 99-0413	EA	Remove And Reinstall Cover Plates (For Replace Switch, Wiring Devices, Switches)	21.06	
26 01 20 99-0414	EA	Remove Switch (For Replace Switch, Wiring Devices, Switches)	4.95	
26 01 20 99-0415	EA	Install New Switch (For Replace Switch, Wiring Devices, Switches)	52.02	
26 01 20 99-0416	EA	Cut, Form, Align And Connect Wires (For Replace Switch, Wiring Devices, Switches)	3.22	
26 01 20 99-0417	EA	Test For Operation (For Replace Switch, Wiring Devices, Switches)	1.86	
26 01 20 99-0418		Light Dimming Panel *(26 01 20 99-0159)*		
26 01 20 99-0419		Minor Repairs To Light Dimming Panel *(26 01 20 99-0418)*		
26 01 20 99-0420	EA	Check And Test Components (For Minor Repairs To Light Dimming Panel)	49.54	
26 01 20 99-0421	EA	Remove Dimming Panel Component (For Minor Repairs To Light Dimming Panel)	27.50	
26 01 20 99-0422	EA	Install New Dimming Panel Component (For Minor Repairs To Light Dimming Panel)	180.11	
26 01 20 99-0423		Maintenance And Inspection, Light Dimming Panel *(26 01 20 99-0418)*		
26 01 20 99-0424	EA	Check Light Dimming Panel (For Maintenance And Inspection, Light Dimming Panel)	66.02	
26 01 20 99-0425		Replace Light Dimming Panel *(26 01 20 99-0418)*		
26 01 20 99-0426	EA	Turn Power Off, Later Turn On (For Replace Light Dimming Panel)	12.39	
26 01 20 99-0427	EA	Remove Dimming Panel (For Replace Light Dimming Panel)	198.18	
26 01 20 99-0428	EA	Install New Dimming Panel (For Replace Light Dimming Panel)	2,007.34	
26 01 20 99-0429	EA	Test Circuits (For Replace Light Dimming Panel)	9.04	
26 01 20 99-0430		Switch, Pull Cord *(26 01 20 99-0159)*		
26 01 20 99-0431		Maintenance And Repair, Switch, Pull Cord *(26 01 20 99-0430)*		
26 01 20 99-0432	EA	Repair Switch Component (Cover) (For Maintenance And Repair, Switch, Pull Cord)	63.84	
26 01 20 99-0433		Replace Switch, Switch, Pull Cord *(26 01 20 99-0430)*		
26 01 20 99-0434	EA	Turn Power Off, Later Turn On (For Replace Switch, Switch, Pull Cord)	12.39	
26 01 20 99-0435	EA	Remove And Reinstall Cover Plates (For Replace Switch, Switch, Pull Cord)	21.06	
26 01 20 99-0436	EA	Remove Switch (For Replace Switch, Switch, Pull Cord)	4.95	
26 01 20 99-0437	EA	Install New Pull Cord Switch (For Replace Switch, Switch, Pull Cord)	60.64	
26 01 20 99-0438	EA	Cut, Form, Align And Connect Wires (For Replace Switch, Switch, Pull Cord)	3.22	
26 01 20 99-0439	EA	Test For Operation (For Replace Switch, Switch, Pull Cord)	1.86	
26 01 20 99-0440		EMT Conduit *(26 01 20 99-0159)*		
26 01 20 99-0441		Replace 1" EMT Conduit *(26 01 20 99-0440)*		
26 01 20 99-0442	MLF	Remove And Reinstall Cover Plate (For Replace 1" EMT Conduit)	159.78	
26 01 20 99-0443	MLF	Remove Conduit With Fittings And Hangers (For Replace 1" EMT Conduit)	2,514.35	
26 01 20 99-0444	MLF	Remove Junction Box (For Replace 1" EMT Conduit)	123.86	
26 01 20 99-0445	MLF	Install New 1" EMT With Couplings (For Replace 1" EMT Conduit)	7,665.61	
26 01 20 99-0446	MLF	Install New Outlet Box Square (For Replace 1" EMT Conduit)	529.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0447	MLF	Install New Box Connector (For Replace 1" EMT Conduit)	150.46	
26 01 20 99-0448	MLF	Install New Beam Clamp (For Replace 1" EMT Conduit)	1,259.25	
26 01 20 99-0449	MLF	Install New Conduit Hanger (For Replace 1" EMT Conduit)	2,039.82	

26 01 20 99-0450 Electrical Service & Distribution Preventative Maintenance *(26 01 20 99)*

Note: Includes all required small tools and equipment.

26 01 20 99-0451 Electrical Switchboard Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0452	EA	Annual Preventative Maintenance For Electrical Switchboard Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove And Reinstall Cover. 4. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 5. Clean Switchboard Exterior And Surrounding Area. 6. Fill Out Maintenance Checklist And Report Deficiencies.	90.97	

26 01 20 99-0453 Switchboard With Air Circuit Breaker Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0454	EA	Annual Preventative Maintenance For Switchboard With Air Circuit Breaker Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove Switchboard From Service, Coordinate With Appropriate Authority. 4. Remove And Reinstall Cover. 5. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 6. Check The Records On The Circuit Breaker For Any Full Current Rated Trips Which May Indicate A Potential Problem. 7. Examine The Exterior Of The Switchboard For Any Damage Or Moisture. 8. Check Operation Of Circuit Breaker Tripping Mechanism And Relays. 9. Check The Operation Of The Circuit Breaker Charging Motor. 10. Check Hardware For Tightness. 11. Check Interlock For Proper Operation. 12. Check That The Charger Is Operating Properly. 13. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 14. Check The Electrolyte Level In The Batteries; Add As Required. 15. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 16. Check 25% Of Terminal-To-Cell Connection Resistance; Rehabilitate Connections As Required. 17. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 18. Measure And Record Individual Cell And String Float Voltages. 19. Place Switchboard Back In Service, Notify Appropriate Authority. 20. Clean Switchboard, Charger And The Surrounding Area. 21. Fill Out Maintenance Checklist And Report Deficiencies.	580.42	

26 01 20 99-0455 Switchboard With Air Circuit Breaker And Tie Switch Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0456	EA	Annual Preventative Maintenance For Switchboard With Air Circuit Breaker And Tie Switch Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove Switchboard From Service, Coordinate With Appropriate Authority. 4. Remove And Reinstall Cover. 5. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 6. Check The Records On The Circuit Breaker For Any Full Current Rated Trips Which May Indicate A Potential Problem. 7. Examine The Exterior Of The Switchboard For Any Damage Or Moisture. 8. Check Operation Of Circuit Breaker Tripping Mechanism And Relays. 9. Check The Operation Of The Circuit Breaker Charging Motor. 10. Check Hardware For Tightness. 11. Check Interlock For Proper Operation. 12. Operate The Switching Handle And Check The Locking Mechanism. 13. Check That The Charger Is Operating Properly. 14. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 15. Check The Electrolyte Level In The Batteries; Add As Required. 16. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 17. Check 25% Of Terminal-To-Cell Connection Resistance; Rehabilitate Connections As Required. 18. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 19. Measure And Record Individual Cell And String Float Voltages. 20. Place Switchboard Back In Service, Notify Appropriate Authority. 21. Clean Switchboard, Charger And The Surrounding Area. 22. Fill Out Maintenance Checklist And Report Deficiencies.	589.51	

26 01 20 99-0457 225 Amps And Above, Panel Board Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0458	EA	Annual Preventative Maintenance For 225 Amperes And Above, Panel Board Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check For Excessive Heat, Odors, Noise And Vibration. 3. Check General Condition Of Panel; Replace Lamps As Required. 4. Clean Panel. 5. Fill Out Maintenance Checklist And Report Deficiencies.	81.77	

26 01 20 99-0459 400 Amps And Above, Motor Control Center Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0460	EA	Annual Preventative Maintenance For 400 Amps And Above, Motor Control Center Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Starter Lights; Install New Lights If Required. 3. Check For Excessive Heat, Odors, Noise And Vibration. 4. Check Motor Control Center Exterior And Surrounding Area. 5. Fill Out Maintenance Checklist And Report Deficiencies.	81.29	

26 01 26 Maintenance Testing of Electrical Systems *(26 01)*

26 01 26 00-0001 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers *(26 01 26)*

Note: Includes all required small tools and equipment. Use other MRO tasks required to remove equipment cover.

26 01 26 00-0002 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Not Connected *(26 01 26 00-0001)*

26 01 26 00-0003	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Not Connected	31.16	
26 01 26 00-0004	EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Not Connected	51.93	
26 01 26 00-0005	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Not Connected	72.70	
26 01 26 00-0006	EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Not Connected	93.47	
26 01 26 00-0007	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Not Connected	114.25	
26 01 26 00-0008	EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Not Connected	135.01	
26 01 26 00-0009	EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Not Connected	145.40	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 26 00-0010	EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Not Connected	155.78	
26 01 26 00-0011	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Not Connected	51.93	
26 01 26 00-0012	EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Not Connected	72.70	
26 01 26 00-0013	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Not Connected	93.47	
26 01 26 00-0014	EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Not Connected	103.85	
26 01 26 00-0015	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Not Connected	145.40	
26 01 26 00-0016	EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Not Connected	166.17	
26 01 26 00-0017	EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Not Connected	186.94	
26 01 26 00-0018		TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Connected *(26 01 26 00-0001)*		
26 01 26 00-0019	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Connected	51.93	
26 01 26 00-0020	EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Connected	72.70	
26 01 26 00-0021	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Connected	83.09	
26 01 26 00-0022	EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Connected	103.85	
26 01 26 00-0023	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Connected	145.40	
26 01 26 00-0024	EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Connected	176.56	
26 01 26 00-0025	EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Connected	186.94	
26 01 26 00-0026	EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Connected	197.32	
26 01 26 00-0027	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Connected	72.70	
26 01 26 00-0028	EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Connected	93.47	
26 01 26 00-0029	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Connected	124.63	
26 01 26 00-0030	EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Connected	166.17	
26 01 26 00-0031	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Connected	186.94	
26 01 26 00-0032	EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Connected	218.10	
26 01 26 00-0033	EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Connected	280.41	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	4,905.32

26 01 30 99 Facility Electrical Power Generating and Storing Equipment, Facilities Maintenance and Repair *(26 01 30)*

Note: The Maintenance & Repair section is a listing of common maintenance tasks performed at facilities. Under the System Description column, each task, including its components, is described. Labor-hours have been enhanced, where appropriate, to include setup and delay time. In some cases, the list of steps comprising the task includes most of the potential repairs that could be made on a system. For those tasks, individual items, as appropriate, can be selected from the allencompassing list.

26 01 30 99-0001 175 KW Gasoline Generator *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0002 175 KW, Gasoline Generator, Maintenance And Inspection *(26 01 30 99-0001)*

26 01 30 99-0003	EA	Run Test Gasoline Generator (For 175 KW, Gasoline Generator, Maintenance And Inspection)	99.09

26 01 30 99-0004 175 KW, Gasoline Generator, Replace Generator Component *(26 01 30 99-0001)*

26 01 30 99-0005	EA	Remove Gasoline Generator (For 175 KW, Gasoline Generator, Replace Generator Component)	4,504.03
26 01 30 99-0006	EA	Install New Gasoline Generator, 175 KW (For 175 KW, Gasoline Generator, Replace Generator Component)	89,865.81

26 01 30 99-0007 750 KW Diesel Generator *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0008 750 KW, Diesel Generator, Maintenance And Inspection *(26 01 30 99-0007)*

26 01 30 99-0009	EA	Run Test Diesel Generator (For 750 KW, Diesel Generator, Maintenance And Inspection)	99.09

26 01 30 99-0010 750 KW, Diesel Generator, Replace Diesel Generator Component *(26 01 30 99-0007)*

26 01 30 99-0011	EA	Remove Diesel Generator (For 750 KW, Diesel Generator, Replace Diesel Generator Component)	7,077.70
26 01 30 99-0012	EA	Install New Diesel Generator, 750 KW (For 750 KW, Diesel Generator, Replace Diesel Generator Component)	253,965.42

26 01 30 99-0013 Transfer Switch *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0014 Transfer Switch, Maintenance And Repair *(26 01 30 99-0013)*

26 01 30 99-0015	EA	Remove Transfer Switch Coil (For Transfer Switch, Maintenance And Repair)	82.61
26 01 30 99-0016	EA	Install New Transfer Switch Coil (For Transfer Switch, Maintenance And Repair)	383.59

26 01 30 99-0017 Transfer Switch, Maintenance And Inspection *(26 01 30 99-0013)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 30 99-0018	EA	Inspect And Clean Transfer Switch (For Transfer Switch, Maintenance And Inspection)	61.93	
26 01 30 99-0019		**Transfer Switch, Replace Transfer Switch** *(26 01 30 99-0013)*		
26 01 30 99-0020	EA	Remove Transfer Switch (For Transfer Switch, Replace Transfer Switch)	82.61	
26 01 30 99-0021	EA	Install New Transfer Switch, 480 Volt, 3 Pole, 1,200 Amp (For Transfer Switch, Replace Transfer Switch)	26,897.21	
26 01 30 99-0022	EA	Cut, Form, Align And Connect Wires (For Transfer Switch, Replace Transfer Switch)	18.70	
26 01 30 99-0023	EA	Check Operation Of Switch (For Transfer Switch, Replace Transfer Switch)	2.23	
26 01 30 99-0024		**Battery, Wet** *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0025		**Wet Battery, Maintenance And Inspection** *(26 01 30 99-0024)*		
26 01 30 99-0026	EA	Clean And Maintain Wet Cell Battery (For Wet Battery, Maintenance And Inspection)	61.93	
26 01 30 99-0027		**Wet Battery, Replace Battery** *(26 01 30 99-0024)*		
26 01 30 99-0028	EA	Remove Wet Cell Battery (For Wet Battery, Replace Battery)	12.39	
26 01 30 99-0029	EA	Install New Wet Cell Battery (For Wet Battery, Replace Battery)	684.91	
26 01 30 99-0030		**Battery, Dry** *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0031		**Dry Battery, Maintenance And Inspection** *(26 01 30 99-0030)*		
26 01 30 99-0032	EA	Clean And Maintain Dry Cell Battery (For Dry Battery, Maintenance And Inspection)	61.93	
26 01 30 99-0033		**Dry Battery, Replace Battery** *(26 01 30 99-0030)*		
26 01 30 99-0034	EA	Remove Dry Cell Battery (For Dry Battery, Replace Battery)	12.39	
26 01 30 99-0035	EA	Install New Dry Cell Battery (For Dry Battery, Replace Battery)	199.38	
26 01 30 99-0036		**Battery Charger** *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0037		**Battery Charger, Maintenance And Repair** *(26 01 30 99-0036)*		
26 01 30 99-0038	EA	Repair Battery Charger Component (For Battery Charger, Maintenance And Repair)	431.42	
26 01 30 99-0039		**Battery Charger, Maintenance And Inspection** *(26 01 30 99-0036)*		
26 01 30 99-0040	EA	Check Battery Charger (For Battery Charger, Maintenance And Inspection)	198.18	
26 01 30 99-0041		**Battery Charger, Replace Charger** *(26 01 30 99-0036)*		
26 01 30 99-0042	EA	Remove Battery Charger (For Battery Charger, Replace Charger)	76.17	
26 01 30 99-0043	EA	Install New Battery Charger (For Battery Charger, Replace Charger)	810.13	
26 01 30 99-0044		**Uninterruptible Power Supply (UPS) Battery** *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0045		**Uninterruptible Power Supply (UPS) Battery, Maintenance And Inspection** *(26 01 30 99-0044)*		
26 01 30 99-0046	EA	UPS Battery Electrical Test (For Uninterruptible Power Supply (UPS) Battery, Maintenance And Inspection)	99.09	
26 01 30 99-0047		**Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery** *(26 01 30 99-0044)*		
26 01 30 99-0048	EA	Remove UPS Battery (For Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery)	165.10	
26 01 30 99-0049	EA	Install New UPS Battery (For Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery)	1,138.50	
26 01 30 99-0050		**Automatic Transfer Switch Preventative Maintenance** *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0051	EA	Annual Preventative Maintenance For Automatic Transfer Switch Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Inspect Wiring, Wiring Connections And Fuse Blocks For Looseness, Tighten All Connections. 3. Inspect Wiring, Wiring Connections And Fuse Blocks For Charring And Overheating. 4. Inspect Wiring, Wiring Connections And Fuse Blocks For Evidence Of Short-Circuiting. 5. Inspect General Condition Of Transfer Switch And Clean Exterior And Surrounding Area. 6. Fill Out Maintenance Checklist And Report Deficiencies.	73.75	
26 01 30 99-0052		**15 kVA And Less, Emergency Generator Preventative Maintenance** *(26 01 30 99)* Note: Includes all required small tools and equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 30 99-0053	EA	Annual Preventative Maintenance For 15 kVA And Less, Emergency Generator Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Engine Oil Level; Add As Required. 3. Change Engine Oil. 4. Change Engine Oil Filter. 5. Check Battery Charge And Electrolyte Specific Gravity; Add Water As Required. 6. Check Terminals For Corrosion; Clean As Required. 7. Check Belt Tension And Wear; Adjust As Required. 8. Check Engine Air Filter; Change As Required. 9. Check Engine Coolant, Add As Required. 10. Check Spark Plug Or Injector Nozzle Condition; Service Or Replace As Required. 11. Check Wiring, Connections And Switches; Adjust As Required. 12. Perform 30 Minute Generator Test Run; Check For Proper Operation. 13. Check Fuel Level; Add As Required. 14. Wipe Dust And Dirt From Engine And Generator. 15. Clean Area Around Generator. 16. Fill Out Maintenance Checklist And Report Deficiencies.	355.03	
26 01 30 99-0054		Over 15 kVA, Emergency Diesel Generator Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0055	EA	Annual Preventative Maintenance For Over 15 kVA, Emergency Diesel Generator Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Engine Oil Level; Add As Required. 3. Change Engine Oil. 4. Change Engine Oil Filter. 5. Check Battery Charge And Electrolyte Specific Gravity; Add Water As Required. 6. Check Terminals For Corrosion; Clean As Required. 7. Check Belts for Wear and Proper Tension; Adjust As Required. 8. Check That Crank Case Heater Is Operating. 9. Check Engine Air Filter; Change As Required. 10. Check Engine Coolant; Add As Required. 11. Check Wiring, Connections And Switches; Adjust As Required. 12. Check Spark Plug Or Injector Nozzle Condition; Service Or Replace As Required. 13. Perform 30 Minute Generator Test Run; Check For Proper Operation. 14. Check Fuel Level With Gauge Pole, Add As Required. 15. Wipe Dust And Dirt From Engine And Generator. 16. Clean Area Around Generator. 17. Fill Out Maintenance Checklist And Report Deficiencies.	383.76	
26 01 30 99-0056		Turbine Emergency Diesel Generator Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0057	EA	Annual Preventative Maintenance For Turbine Emergency Diesel Generator Note: 1. Check With Operating Or Area Personnel for Deficiencies. 2. Check Transmission Oil Level; Add As Required. . Check Turbine Oil Level; Add As Required. 3. Change Turbine Oil. 4. Change Turbine Oil Filter. 5. Check That The Crankcase Heater Is Operating Properly. 6. Remove And Install New Turbine Air Filter. 7. Check Wiring, Connections And Switches, Adjust As Required. 8. Check Engine Coolant, Add As Required. 9. Check Starter For Proper Operation, Lubricate As Required. 10. Check Fuel Nozzles And Fuel Regulator, Service Or Replace As Required. 11. Check Ignition Device Condition, Service Or Replace As Required. 12. Perform 30 Minute Generator Test Run, Check For Proper Operation. 13. Check And Record Transmission Oil Pressure And Temperature, And Natural Gas Pressure. 14. Oil Pressure:_____ Oil Temperature:_____ Gas Pressure: _____. 15. Record Running Time: Beginning ___ Hours: Ending ___ Hours. 16. Check That The Charger Is Operating Properly. 17. Check For Any Signs Of Corrosion On Battery Terminals Or Wires. 18. Check The Electrolyte Level In The Batteries, Add As Required. 19. Check Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 20. Check 25% Of Terminal-To-Cell Connection Resistance, Rehabilitate Connections As Required. 21. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 22. Measure And Record Individual Cell And String Float Voltages. 23. Clean Area Around Generator. 25. Fill Out Maintenance Checklist And Report Deficiencies.	1,333.96	
26 01 30 99-0058		Power Stabilizer Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0059	EA	Annual Preventative Maintenance For Power Stabilizer Note: 1. Remove The Covers Or Open The Doors. 2. Check For Signs Of Moisture Or Overheating. 3. Check Fans And Other Auxiliary Devices For Proper Operation. 4. Check For Voltage Creeping Over Transformer Insulated Surface. 5. Look For Evidence Such As Tracking Or Carbonization. 6. Check Condition Of The Ground System. 7. Check Wiring, Connections And Relays; Tighten And Adjust As Required. 8. Reinstall The Covers Or Close The Doors. 9. Clean The Surrounding Area. 10. Fill Out Maintenance Checklist And Report Deficiencies.	77.60	
26 01 30 99-0060		200 kVA And Less, Uninterruptible Power System Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0061	EA	Annual Preventative Maintenance For 200 kVA And Less, Uninterruptible Power System Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Electrolyte Level Of Batteries; Add Water As Required. 3. Check Terminals For Corrosion; Clean As Required. 4. Check 25% Of The Batteries For Charge And Electrolyte Specific Gravity. 5. Check Batteries For Cracks Or Leaks; Remove And Install New Batteries As Required. 6. Check 25% Of The Terminal-To-Cell Connection Resistances. 7. Rehabilitate Connections As Required. 8. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 9. Measure And Record Individual Cell And String Float Voltages. 10. Check Integrity Of Battery Rack. 11. Check Battery Room Temperature And Ventilation System. 12. Remove And Install New Air Filters On UPS Modules. 13. Check Output Voltage And Amperages, From Control Panel. 14. Check UPS Room Temperature And Ventilation System. 15. Notify Personnel And Test UPS Fault Alarm System. 16. Clean Around Batteries And UPS Modules. 17. Fill Out Maintenance Checklist And Report Deficiencies.	578.85	
26 01 30 99-0062		201 To 800 kVA, Uninterrupted Power System Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 30 99-0063	EA	Annual Preventative Maintenance For 201 To 800 kVA, Uninterrupted Power System Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Electrolyte Level Of Batteries; Add Water As Required. 3. Check Terminals For Corrosion; Clean As Required. 4. Check 25% Of The Batteries For Charge And Electrolyte Specific Gravity. 5. Check Batteries For Cracks Or Leaks; Remove And Install New Batteries As Required. 6. Check 25% Of The Terminal-To-Cell Connection Resistances. 7. Rehabilitate Connections As Required. 8. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 9. Measure And Record Individual Cell And String Float Voltages. 10. Check Integrity Of Battery Rack. 11. Check Battery Room Temperature And Ventilation System. 12. Remove And Install New Air Filters On UPS Modules. 13. Check Output Voltage And Amperages, From Control Panel. 14. Check UPS Room Temperature And Ventilation System. 15. Notify Personnel And Test UPS Fault Alarm System. 16. Clean Around Batteries And UPS Modules. 17. Fill Out Maintenance Checklist And Report Deficiencies.	1,278.34	
26 01 30 99-0064		Battery System And Charger Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0065	EA	Annual Preventative Maintenance Of Battery System And Charger Note: 1. Check That The Charger Is Operating Properly. 2. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 3. Check The Electrolyte Level In The Batteries, Add As Required. 4. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 5. Check 25% Of Terminal-To-Cell Connection Resistance, Rehabilitate Connections As Required. 6. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 7. Measure And Record Individual Cell And String Float Voltages. 8. Clean Area Around Batteries.	199.49	

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001		Replace Lamps In Existing Fixtures *(26 01 50 51)* Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.		
26 01 50 51-0002		Halogen Lamps *(26 01 50 51-0001)*		
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	50.40	
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	64.55	
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	95.76	
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	25.73	
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	25.73	
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	24.46	
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	24.46	
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	37.70	
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	41.43	
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	40.47	
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	43.32	
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	43.92	
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	22.21	
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	22.21	
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	24.21	
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	24.21	
26 01 50 51-0019		Incandescent Lamps *(26 01 50 51-0001)*		
26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	7.03	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	8.63	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp	10.42	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp	12.68	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	9.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp	15.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.48*	
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp	18.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.48*	
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp	16.96	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.48*	
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp	28.95	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.48*	
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp	59.25	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.89*	
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp	68.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.89*	
26 01 50 51-0031		Exit Light Lamps *(26 01 50 51-0001)*		
26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps	116.51	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light	32.96	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-8.26*	
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign	41.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0035		Fluorescent Lamps *(26 01 50 51-0001)*		
26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp	13.08	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp	15.73	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp	18.07	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0039	EA	4', 28 Watt, Rapid Start T8 Fluorescent Lamp	18.34	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0040	EA	4', 32 Watt, T8 Fluorescent Lamp	18.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0041	EA	4', 30 Watt, T8 Fluorescent Lamp	22.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0042	EA	4', 28 Watt, T8 Fluorescent Lamp	19.85	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0043	EA	4', 25 Watt, T8 Fluorescent Lamp	19.74	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0044	EA	4', 44 Watt, T8HO Fluorescent Lamp	31.73	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0045	EA	8', 59 Watt, T8 Fluorescent Lamp	24.20	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0046	EA	18", 15 Watt, T12 Fluorescent Lamp	19.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0047	EA	2', 20 Watt, T12 Fluorescent Lamp	14.97	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0048	EA	3', 30 Watt, T12 Fluorescent Lamp	16.81	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0049	EA	4', 34 Watt, T12 Fluorescent Lamp	16.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0050	EA	4', 40 Watt, T12 Fluorescent Lamp	16.55	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0051	EA	8', 60 Watt, T12 Fluorescent Lamp	24.81	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0052	EA	8', 75 Watt, T12 Fluorescent Lamp	20.96	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0053	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	36.01	
26 01 50 51-0054	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	19.99	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0055	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	16.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0056	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	15.91	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0057	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	17.60	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0058	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	29.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.13*	
26 01 50 51-0059	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	28.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.13*	
26 01 50 51-0060	EA	6", 4 Watt, T5 Fluorescent Lamp	14.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0061	EA	9", 6 Watt, T5 Fluorescent Lamp	14.27	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0062	EA	12", 8 Watt, T5 Fluorescent Lamp	14.73	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0063	EA	21", 13 Watt, T5 Fluorescent Lamp	15.41	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0064	EA	24", 14 Watt, T5 Fluorescent Lamp	17.75	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0065	EA	34", 21 Watt, T5 Fluorescent Lamp	19.31	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0066	EA	46", 28 Watt, T5 Fluorescent Lamp	18.70	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0067	EA	46", 54 Watt, T5HO Fluorescent Lamp	20.46	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0068	EA	46", 54 Watt T5 Fluorescent Lamp	17.53	
26 01 50 51-0069	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	11.48	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0070	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	12.70	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0071	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	26.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.07*	
26 01 50 51-0072	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	34.06	
26 01 50 51-0073	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	34.06	
26 01 50 51-0074	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	64.24	
26 01 50 51-0075	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	23.28	
26 01 50 51-0076	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.98	
26 01 50 51-0077	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.33	
26 01 50 51-0078	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.84	
26 01 50 51-0079	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	45.04	
26 01 50 51-0080	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	49.14	
26 01 50 51-0081	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	93.70	
26 01 50 51-0082	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	112.27	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0083	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	116.04	
26 01 50 51-0084	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	41.98	
26 01 50 51-0085	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.80	
26 01 50 51-0086	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	50.60	
26 01 50 51-0087		**Metal Halide Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0088	EA	50 Watt, Pulse Start Metal Halide Lamp	50.30	
26 01 50 51-0089	EA	70 Watt, Pulse Start Metal Halide Lamp	48.13	
26 01 50 51-0090	EA	100 Watt, Pulse Start Metal Halide Lamp	54.99	
26 01 50 51-0091	EA	150 Watt, Pulse Start Metal Halide Lamp	53.43	
26 01 50 51-0092	EA	175 Watt, Pulse Start Metal Halide Lamp	52.98	
26 01 50 51-0093	EA	250 Watt, Pulse Start Metal Halide Lamp	53.29	
26 01 50 51-0094	EA	400 Watt, Pulse Start Metal Halide Lamp	64.23	
26 01 50 51-0095	EA	1,000 Watt, Pulse Start Metal Halide Lamp	74.71	
26 01 50 51-0096	EA	1,500 Watt, Pulse Start Metal Halide Lamp	74.28	
26 01 50 51-0097		**High Pressure Sodium Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0098	EA	35 Watt, High Pressure Sodium Lamp	41.46	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0099	EA	50 Watt, High Pressure Sodium Lamp	41.46	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0100	EA	70 Watt, High Pressure Sodium Lamp	42.39	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0101	EA	100 Watt, High Pressure Sodium Lamp	44.17	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0102	EA	150 Watt, High Pressure Sodium Lamp	42.39	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0103	EA	250 Watt, High Pressure Sodium Lamp	42.39	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0104	EA	400 Watt, High Pressure Sodium Lamp	39.74	
		For Enclosed And Gasket Light Fixtures, Add	*3.18*	
26 01 50 51-0105	EA	1,000 Watt, High Pressure Sodium Lamp	92.45	
26 01 50 51-0106		**Low Pressure Sodium Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0107	EA	35 Watt, Low Pressure Sodium Lamp	105.87	
26 01 50 51-0108	EA	55 Watt, Low Pressure Sodium Lamp	118.17	
26 01 50 51-0109	EA	70 Watt, Low Pressure Sodium Lamp	120.94	
26 01 50 51-0110	EA	90 Watt, Low Pressure Sodium Lamp	123.72	
26 01 50 51-0111	EA	135 Watt, Low Pressure Sodium Lamp	134.80	
26 01 50 51-0112	EA	180 Watt, Low Pressure Sodium Lamp	184.67	
26 01 50 51-0113		**LED Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0114		**LED Lamps, Candelabra Base, CA10** *(26 01 50 51-0113)*		
26 01 50 51-0115	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	16.50	
26 01 50 51-0116		**LED Lamps, Medium Base, A19 Or A21** *(26 01 50 51-0113)*		
26 01 50 51-0117	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	21.87	
26 01 50 51-0118	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	21.87	
26 01 50 51-0119	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	36.28	
26 01 50 51-0120	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	25.51	
26 01 50 51-0121	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	45.29	
26 01 50 51-0122		**LED Lamps, Medium Base, BR30 Or BR40** *(26 01 50 51-0113)*		
26 01 50 51-0123	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	29.60	
26 01 50 51-0124	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	26.55	
26 01 50 51-0125	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	34.64	
26 01 50 51-0126	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	29.26	
26 01 50 51-0127	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	38.25	
26 01 50 51-0128	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	29.26	
26 01 50 51-0129		**LED Lamps, Medium Base, PAR** *(26 01 50 51-0113)*		
26 01 50 51-0130	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	32.48	
26 01 50 51-0131	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	43.67	
26 01 50 51-0132	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	43.67	
26 01 50 51-0133	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	41.87	
26 01 50 51-0134	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	40.07	
26 01 50 51-0135	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	40.07	
26 01 50 51-0136	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	76.46	
26 01 50 51-0137	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	43.67	
26 01 50 51-0138	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	41.87	
26 01 50 51-0139	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	43.67	
26 01 50 51-0140	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	43.67	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0141		**LED Lamps, GU Base, MR16** *(26 01 50 51-0113)*		
26 01 50 51-0142	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	22.95	
26 01 50 51-0143	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	29.60	
26 01 50 51-0144	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	32.48	
26 01 50 51-0145		**LED Lamps, PL Series** *(26 01 50 51-0113)*		
26 01 50 51-0146	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	16.25	
26 01 50 51-0147	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	21.71	
26 01 50 51-0148	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	18.71	
26 01 50 51-0149	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	20.59	
26 01 50 51-0150	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	20.59	
26 01 50 51-0151	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	23.96	
26 01 50 51-0152	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	20.59	
26 01 50 51-0153	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	20.59	
26 01 50 51-0154	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	20.59	
26 01 50 51-0155	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	20.59	
26 01 50 51-0156	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	22.84	
26 01 50 51-0157	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	22.84	
26 01 50 51-0158	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	22.84	
26 01 50 51-0159	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	22.84	
26 01 50 51-0160	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	21.71	
26 01 50 51-0161	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	21.71	
26 01 50 51-0162	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	21.71	
26 01 50 51-0163	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	22.46	
26 01 50 51-0164	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	22.46	
26 01 50 51-0165	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	22.63	
26 01 50 51-0166	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	22.63	
26 01 50 51-0167	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	22.63	
26 01 50 51-0168	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	22.63	
26 01 50 51-0169	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	23.21	
26 01 50 51-0170	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	23.21	
26 01 50 51-0171	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	23.21	
26 01 50 51-0172	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	23.21	
26 01 50 51-0173	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	23.21	
26 01 50 51-0174	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	23.21	
26 01 50 51-0175	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	23.21	
26 01 50 51-0176	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	23.21	
26 01 50 51-0177	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	29.07	
26 01 50 51-0178	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	29.07	
26 01 50 51-0179	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	29.07	
26 01 50 51-0180	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	27.72	
26 01 50 51-0181	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	27.72	
26 01 50 51-0182	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	27.72	
26 01 50 51-0183	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	26.51	
26 01 50 51-0184		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0113)*		
26 01 50 51-0185	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	53.59	
26 01 50 51-0186	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	53.59	
26 01 50 51-0187	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	67.45	
26 01 50 51-0188	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	67.45	
26 01 50 51-0189	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	48.46	
26 01 50 51-0190	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	48.46	
26 01 50 51-0191	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	48.46	
26 01 50 51-0192	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	48.46	
26 01 50 51-0193	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	49.96	
26 01 50 51-0194	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	49.96	
26 01 50 51-0195	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	49.96	
26 01 50 51-0196	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	49.96	
26 01 50 51-0197	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	55.96	
26 01 50 51-0198	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	55.96	
26 01 50 51-0199	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	55.96	
26 01 50 51-0200	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	55.96	
26 01 50 51-0201	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	63.46	
26 01 50 51-0202	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	63.46	
26 01 50 51-0203	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	63.46	
26 01 50 51-0204	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	63.46	
26 01 50 51-0205	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	79.95	
26 01 50 51-0206	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	79.95	
26 01 50 51-0207	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	79.95	
26 01 50 51-0208	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	79.95	
26 01 50 51-0209	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	94.20	
26 01 50 51-0210	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	94.20	
26 01 50 51-0211	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	94.20	
26 01 50 51-0212	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	94.20	
26 01 50 51-0213	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	103.95	
26 01 50 51-0214	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	103.95	
26 01 50 51-0215	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	103.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0216	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	103.95	
26 01 50 51-0217	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	139.19	
26 01 50 51-0218	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	139.19	
26 01 50 51-0219	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	139.19	
26 01 50 51-0220	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	139.19	
26 01 50 51-0221	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	143.69	
26 01 50 51-0222	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	143.69	
26 01 50 51-0223	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	143.69	
26 01 50 51-0224	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	143.69	
26 01 50 51-0225	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	169.93	
26 01 50 51-0226	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	169.93	
26 01 50 51-0227	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	169.93	
26 01 50 51-0228	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	169.93	
26 01 50 51-0229	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	201.42	
26 01 50 51-0230	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	201.42	
26 01 50 51-0231	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	201.42	
26 01 50 51-0232	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	201.42	
26 01 50 51-0233	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	65.93	
26 01 50 51-0234	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	71.18	
26 01 50 51-0235	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	71.18	
26 01 50 51-0236	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	65.93	
26 01 50 51-0237	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	82.42	
26 01 50 51-0238	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	75.68	
26 01 50 51-0239	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	90.67	
26 01 50 51-0240	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	89.79	
26 01 50 51-0241	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	91.80	
26 01 50 51-0242	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	91.80	
26 01 50 51-0243	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	56.20	
26 01 50 51-0244	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	56.20	
26 01 50 51-0245	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	63.14	
26 01 50 51-0246	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	63.14	
26 01 50 51-0247	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	67.75	
26 01 50 51-0248	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	67.75	
26 01 50 51-0249	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	74.68	
26 01 50 51-0250	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	74.68	
26 01 50 51-0251	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	75.04	
26 01 50 51-0252	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	81.19	
26 01 50 51-0253	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	100.61	
26 01 50 51-0254	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	110.65	
26 01 50 51-0255	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	44.45	
26 01 50 51-0256	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	49.84	
26 01 50 51-0257	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	52.54	
26 01 50 51-0258	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	57.57	
26 01 50 51-0259	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	68.90	
26 01 50 51-0260	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	80.44	
26 01 50 51-0261	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	109.28	
26 01 50 51-0262	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	115.05	
26 01 50 51-0263	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	124.28	
26 01 50 51-0264	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	130.04	
26 01 50 51-0265	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	186.57	
26 01 50 51-0266	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	64.49	

26 01 50 51-0267 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0113)*

26 01 50 51-0268	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	179.00	
26 01 50 51-0269	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	179.00	
26 01 50 51-0270	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	179.00	
26 01 50 51-0271	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	53.59	
26 01 50 51-0272	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	53.59	
26 01 50 51-0273	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	53.59	
26 01 50 51-0274	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	67.45	
26 01 50 51-0275	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	67.45	
26 01 50 51-0276	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	67.45	
26 01 50 51-0277	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	123.69	
26 01 50 51-0278	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	139.19	
26 01 50 51-0279	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	139.19	
26 01 50 51-0280	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	139.19	
26 01 50 51-0281	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	139.19	
26 01 50 51-0282	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	143.69	
26 01 50 51-0283	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	143.69	
26 01 50 51-0284	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	143.69	
26 01 50 51-0285	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	143.69	
26 01 50 51-0286	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	169.93	
26 01 50 51-0287	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	169.93	
26 01 50 51-0288	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	169.93	
26 01 50 51-0289	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	169.93	
26 01 50 51-0290	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	201.42	
26 01 50 51-0291	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	201.42	
26 01 50 51-0292	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	201.42	
26 01 50 51-0293	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	201.42	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0294	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	71.18	
26 01 50 51-0295	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	71.18	
26 01 50 51-0296	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	82.42	
26 01 50 51-0297	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	81.39	
26 01 50 51-0298	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	90.67	
26 01 50 51-0299	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	89.79	
26 01 50 51-0300	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	91.80	
26 01 50 51-0301	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	89.19	
26 01 50 51-0302	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	191.14	
26 01 50 51-0303	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	71.15	
26 01 50 51-0304	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	71.15	
26 01 50 51-0305	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	80.48	
26 01 50 51-0306	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	80.48	
26 01 50 51-0307	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	86.09	
26 01 50 51-0308	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	86.09	
26 01 50 51-0309	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	56.11	
26 01 50 51-0310	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	56.11	
26 01 50 51-0311	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	63.14	
26 01 50 51-0312	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	63.14	
26 01 50 51-0313	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	67.75	
26 01 50 51-0314	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	67.75	
26 01 50 51-0315	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	74.68	
26 01 50 51-0316	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	74.68	
26 01 50 51-0317	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	133.07	
26 01 50 51-0318	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	153.62	
26 01 50 51-0319	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	182.86	
26 01 50 51-0320	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	355.06	
26 01 50 51-0321	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	335.39	
26 01 50 51-0322	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	355.06	
26 01 50 51-0323	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	356.59	
26 01 50 51-0324	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	55.77	
26 01 50 51-0325	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	55.77	
26 01 50 51-0326	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	55.77	
26 01 50 51-0327	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	162.36	
26 01 50 51-0328	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	410.61	
26 01 50 51-0329	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	168.40	
26 01 50 51-0330	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	198.10	
26 01 50 51-0331	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	88.24	
26 01 50 51-0332	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	286.42	

26 01 50 51-0333 LED Lamps, 2G11 Base *(26 01 50 51-0113)*

26 01 50 51-0334	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	48.27	

26 01 50 51-0335 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0113)*

26 01 50 51-0336	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	23.81	

26 01 50 51-0337 LED Lamps, G24 Base *(26 01 50 51-0113)*

26 01 50 51-0338	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	30.90	

26 01 50 51-0339 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0113)*

26 01 50 51-0340	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	42.39	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0341	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	55.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0342	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	45.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.51*	
26 01 50 51-0343	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	50.01	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0344	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	54.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0345	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	34.47	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0346	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	33.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0347	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	30.26	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.30*	
26 01 50 51-0348	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	30.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.51*	
26 01 50 51-0349	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	30.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	
26 01 50 51-0350	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	31.92	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.72*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0351		**Filament LED Lamps** *(26 01 50 51-0113)*			
26 01 50 51-0352	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)		18.00	
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)		18.00	
26 01 50 51-0354	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)		17.25	
26 01 50 51-0355	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)		17.25	
26 01 50 51-0356	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)		18.45	
26 01 50 51-0357	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)		18.45	
26 01 50 51-0358	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)		15.75	
26 01 50 51-0359	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)		15.75	
26 01 50 51-0360	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)		16.20	
26 01 50 51-0361	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)		19.50	
26 01 50 51-0362	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)		23.09	
26 01 50 51-0363		**Other Lamps** *(26 01 50 51-0113)*			
26 01 50 51-0364	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)		17.13	
26 01 50 51-0365	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)		17.13	
26 01 50 51-0366	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)		17.13	
26 01 50 51-0367	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)		17.88	
26 01 50 51-0368	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)		17.88	
26 01 50 51-0369	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)		17.88	
26 01 50 51-0370		**LED Lamps, Light Engines, Round, LER Series** *(26 01 50 51-0113)*			
26 01 50 51-0371	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)		55.72	
26 01 50 51-0372	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)		32.14	
26 01 50 51-0373		**Remove Hazardous Lamps From Fixture For Recycling** *(26 01 50 51)* Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0382 for recycling hazardous lamps.			
26 01 50 51-0374	EA	Removal Of 2' Length Linear Fluorescent Lamps		4.38	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-1.45*	
26 01 50 51-0375	EA	Removal Of 3' Length Linear Fluorescent Lamps		5.00	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-1.65*	
26 01 50 51-0376	EA	Removal Of 4' Length Linear Fluorescent Lamps		5.63	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-1.86*	
26 01 50 51-0377	EA	Removal Of 6' Length Linear Fluorescent Lamps		6.26	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.07*	
26 01 50 51-0378	EA	Removal Of 8' Length Linear Fluorescent Lamps		6.88	
		For Removal Of Multiple Lamps In A Fixture, Deduct		*-2.27*	
26 01 50 51-0379	EA	Removal Of Compact Fluorescent Lamps		3.75	
		For >25 To 40, Deduct		*-0.38*	
		For >40, Deduct		*-0.75*	
26 01 50 51-0380	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps		5.95	
		For >25 To 40, Deduct		*-0.60*	
		For >40, Deduct		*-1.19*	
26 01 50 51-0381	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps		10.64	
		For >25 To 40, Deduct		*-1.06*	
		For >40, Deduct		*-2.13*	
26 01 50 51-0382		**Recycle Hazardous Lamps** *(26 01 50 51)* Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.			
26 01 50 51-0383	EA	Recycle 2' Length Linear Fluorescent Lamps		1.73	
26 01 50 51-0384	EA	Recycle 3' Length Linear Fluorescent Lamps		2.22	
26 01 50 51-0385	EA	Recycle 4' Length Linear Fluorescent Lamps		2.71	
26 01 50 51-0386	EA	Recycle 6' Length Linear Fluorescent Lamps		3.83	
26 01 50 51-0387	EA	Recycle 8' Length Linear Fluorescent Lamps		4.80	
26 01 50 51-0388	EA	Recycle Compact Fluorescent Lamps		4.42	
26 01 50 51-0389	EA	Recycle U-Shaped Or Circular Fluorescent Lamps		4.42	
26 01 50 51-0390	EA	Recycle High Intensity Discharge (HID) Lamps		6.99	
26 01 50 52		**Ballasts Replacement** *(26 01 50)*			
26 01 50 52-0001		**Lighting Ballasts** *(26 01 50 52)* Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.			
26 01 50 52-0002		**Fluorescent Ballasts** *(26 01 50 52-0001)*			
26 01 50 52-0003		**T5 Fluorescent Ballasts** *(26 01 50 52-0002)*			
26 01 50 52-0004		**T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0005		**14 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*			
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast		133.47	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.51*	
		For High Ballast Factor, Add		*7.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	139.72	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*7.61*	
26 01 50 52-0008		**21 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.47	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*7.61*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	139.72	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*7.61*	
26 01 50 52-0011		**28 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.47	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*7.61*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	139.72	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*7.61*	
26 01 50 52-0014		**35 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.47	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	139.72	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0017		**54 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	133.31	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	139.56	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	191.36	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	197.62	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0022		**High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		**12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	111.84	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.09	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0026		**24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	146.41	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	152.66	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0029		**39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	146.41	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	152.66	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0032		**54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	111.84	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.09	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0035		**Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)*		
26 01 50 52-0036		**Step Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		**28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast** *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	123.93	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0039		Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	473.91	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	467.09	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0043		T8 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)* Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.14	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.70	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.39	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.95	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.48	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*18.03*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.06	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*10.36*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	89.82	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*45.66*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	133.66	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*26.65*	
26 01 50 52-0054		25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.14	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.70	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.39	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.95	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.48	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*18.03*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.06	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*10.36*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	89.82	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*45.66*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	133.66	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*26.65*	
26 01 50 52-0063		28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.14	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.70	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.39	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.95	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*12.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.48	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*18.03*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.06	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*10.36*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	89.82	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*45.66*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	133.66	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*26.65*	

26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.14	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.70	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	64.39	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*18.52*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.95	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	78.48	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*18.03*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.06	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*10.36*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	89.82	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*45.66*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	133.66	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*26.65*	

26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	93.26	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*7.92*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	102.70	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	99.51	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*7.92*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.95	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*12.18*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	124.35	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
		For High Ballast Factor, Add	*4.87*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.06	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	130.61	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
		For High Ballast Factor, Add	*4.87*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	133.66	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	111.84	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
		For High Ballast Factor, Add	*16.97*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	118.09	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
		For High Ballast Factor, Add	*16.97*	

26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0043)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*

26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.75	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	142.00	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	183.30	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0099		**60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.75	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	142.00	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	183.30	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0104		**72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.75	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	142.00	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	183.30	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0109		**96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	135.75	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	177.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	142.00	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	183.30	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0114		**Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
26 01 50 52-0115		**Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		**17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	87.70	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	159.10	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	165.36	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0123		**25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	87.70	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	159.10	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	165.36	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0130		**28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	87.70	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	159.10	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	165.36	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0137		**32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	87.70	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	159.10	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	165.36	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0144		**40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	87.70	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	159.10	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	165.36	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0151		**Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		**17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	85.33	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	151.57	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	157.83	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0159		**25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	85.33	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	151.57	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	157.83	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	
26 01 50 52-0166		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	85.33	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	151.57	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	157.83	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	

26 01 50 52-0173 32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	85.33	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	151.57	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	157.83	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	

26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	69.87	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	76.12	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	85.33	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.77	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	151.57	50.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	157.83	56.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.89*	

26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.43	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	173.68	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	207.50	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	213.76	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.43	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	173.68	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	207.50	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	213.76	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.43	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	173.68	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	207.50	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	213.76	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	167.43	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	173.68	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	207.50	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	213.76	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0208 T10 Fluorescent Ballasts *(26 01 50 52-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0209		T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	82.60	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	88.85	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	108.97	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0214		T12 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0215		T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	58.14	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	82.60	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	64.39	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.85	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	78.48	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	89.82	43.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0223		30 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	82.60	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.85	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	108.97	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0227		34 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	82.60	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.85	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	108.97	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0231		40 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	82.60	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	88.85	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	108.97	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0235		96 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	103.77	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	118.09	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0238		High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0214)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.21	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	142.46	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0242		60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.21	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	142.46	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0245		72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.21	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	142.46	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0248		96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0239)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	136.21	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	142.46	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0251		Emergency Fluorescent Ballasts *(26 01 50 52-0002)* Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	212.76	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	352.98	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	439.82	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	323.95	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,537.89	37.54
		For Factory Installation In New Fixtures, Deduct	*-55.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.52*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	446.45	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	751.30	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	411.22	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	562.83	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	435.36	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	492.12	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	532.97	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	447.77	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	454.92	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	395.86	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	411.22	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	402.22	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	739.42	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	925.74	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,736.21	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,204.69	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	610.42	31.28
		For Factory Installation In New Fixtures, Deduct	*-52.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	792.90	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,455.86	31.28
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0276		**LED Emergency Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	145.23	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	215.83	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	258.17	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	288.40	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	296.04	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	384.53	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	455.52	25.03
		For Factory Installation In New Fixtures, Deduct	*-50.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.02*	
26 01 50 52-0284		**Compact Fluorescent Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0285		**Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0284)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286		**18 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	126.16	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	132.41	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0289		**26 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	126.16	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	132.41	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0292		**32 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.77	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	163.02	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0295		**40 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	122.50	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.77	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	231.59	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	163.02	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	273.67	37.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 01 50 52-0301		42 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.77	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	163.02	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0304		55 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	156.77	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	163.02	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0307		Dimming, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*		
26 01 50 52-0308		Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0307)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	235.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	241.30	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0312		26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	235.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	241.30	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0315		32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	235.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	258.20	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0318		40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	258.20	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0320		42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	235.05	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	258.20	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0323		55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	376.68	25.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	422.68	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0326		High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0327		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0328		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0329		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	168.13	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	172.15	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	172.15	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	160.70	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	160.70	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	237.41	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	237.41	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	304.98	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	339.44	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	152.24	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	161.23	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	157.35	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	184.37	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	180.51	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	205.58	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	205.58	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	247.28	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	247.28	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	393.61	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	393.61	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	18.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	31.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.63*	

26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	212.41	31.28
		For Pulse Start Ballast, Add	*16.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	223.56	31.28
		For Pulse Start Ballast, Add	*17.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	203.96	31.28
		For Pulse Start Ballast, Add	*16.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	236.17	31.28
		For Pulse Start Ballast, Add	*19.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	326.42	31.28
		For Pulse Start Ballast, Add	*28.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	254.67	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	272.06	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0365		Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*		
26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	421.33	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0367		High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*		
26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	647.02	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	721.13	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	695.49	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 01 50 52-0371		Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0372		Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	517.87	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	587.26	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	774.42	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	770.39	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,078.05	33.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.89*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,078.05	33.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.89*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	742.85	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	873.29	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0381		High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	962.98	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	917.01	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,177.64	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,177.64	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0386		Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0387		Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	581.46	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	627.78	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	623.22	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	654.25	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,037.58	33.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.89*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,274.54	33.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.89*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	968.37	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	881.97	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0396		High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*		
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	749.53	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	807.95	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,204.60	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,037.01	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	234.62	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	234.62	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	263.90	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.22	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.22	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.22	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.22	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.22	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	25.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	31.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	36.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	38.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.64*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	43.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	46.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.89*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	85.61	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	191.45	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	214.27	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	91.23	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	31.48	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	32.53	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	37.07	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	14.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	14.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	15.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	17.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	15.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	61.26	

26 01 50 54 Light Fixture Driver Replacement *(26 01 50)*

26 01 50 54-0001 Factory Replacement Of Light Fixture Driver *(26 01 50 54)*

26 01 50 54-0002	EA	Factory Replacement Of Existing Flight Fixture Transformers To 480 Volt Note: Includes shipping to manufacture, factory re-work, parts, return shipping.	1,299.71	

26 01 50 71 Historic Lighting Restoration *(26 01 50)*

26 01 50 71-0001 Historic Lighting Restoration *(26 01 50 71)*

26 01 50 71-0002	LS	Remove, Restore, And Reinstall Historic Decorative Light Fixtures Note: Remove, Restore, and Reinstall (9) Original Decorative Light fixtures per the "Secretary of the Interior's Standards for Rehabilitation" published in the most current edition of the United States National Park Service in "The Secretary of the Interior's Standards for the Treatment of Historic Properties." Include one (1) mock up, Re-sculpting of missing ornamental woodwork, cleaning, refinishing exterior woodwork, installing new wax paper finish on two lights and using salvaged light paper to repair (3) additional lights including faux finishing to match the original distressed paper patina finish, and re-lamp with new LED bulbs.	27,400.00	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)		98.55	
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)		98.55	
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)		98.55	
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)		83.63	
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)		83.63	
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)		83.63	
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)		89.91	
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)		89.91	
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)		89.91	

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)		270.52	
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)		279.95	
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)		289.38	
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)		301.29	
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)		328.79	
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)		340.72	
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)		366.64	
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)		376.07	
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)		388.00	
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)		405.28	
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)		424.28	
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)		442.35	
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)		451.77	
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)		467.49	
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)		486.94	
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)		506.58	
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)		536.43	
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)		549.79	
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)		573.49	
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)		604.13	
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)		619.84	
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)		658.14	
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)		692.71	
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)		717.21	
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)		750.99	
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)		817.12	
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)		824.98	
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)		846.01	

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip		120.54	
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip		120.54	
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip		120.54	
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip		124.47	
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip		124.47	
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip		124.47	
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip		132.33	
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip		132.33	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip		132.33	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip		124.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	124.47	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	124.47	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	132.33	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	132.33	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	132.33	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	148.04	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	148.04	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	148.04	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	120.54	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	120.54	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	120.54	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	120.54	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	120.54	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	120.54	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	124.47	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	124.47	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	124.47	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	129.19	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	129.19	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	129.19	
26 01 50 81-0073		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	249.39	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	249.39	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	226.61	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	226.61	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	120.59	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	120.59	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	135.52	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	135.52	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	146.51	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	146.51	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	150.44	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	150.44	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	97.81	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	97.81	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	107.23	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	107.23	
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	100.16	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	100.16	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	109.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	109.59	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	99.38	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	99.38	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	106.45	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	106.45	
26 01 50 81-0098		LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)* See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	25.19	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	137.69	14.24
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	143.37	17.08
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	176.70	14.24
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	182.38	17.08
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	91.04	11.39
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	30.82	11.39
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	33.10	11.39
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	85.84	17.08
26 01 50 81-0108		Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)* Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.		
26 01 50 81-0109		Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)* Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	110.18	
		For Specular Ballast Cover, Add	*13.30*	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	116.74	
		For Specular Ballast Cover, Add	*14.61*	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	158.19	
		For Specular Ballast Cover, Add	*22.90*	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	181.78	
		For Specular Ballast Cover, Add	*27.62*	
26 01 50 81-0114		Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	116.27	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	123.56	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	166.72	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	213.74	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0119		Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	144.60	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	151.16	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	154.36	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	172.79	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	210.68	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	158.48	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	174.08	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	186.95	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.39
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.39
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.39
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.22
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.39
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.39
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.39
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.22
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	166.42
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	166.42
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	166.42
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	180.24
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	166.42
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	166.42
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	166.42
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	180.24

26 01 50 81-0146 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	225.41
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	234.81

26 01 50 81-0149 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	353.43
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	361.93
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	353.43
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	361.93
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	404.39
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	417.13
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	446.86

26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	327.44
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	339.29
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	342.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	354.69	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	247.48	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	253.11	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	262.11	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	267.74	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	330.76	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	393.78	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	303.62	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	221.45	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	311.61	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	229.37	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	325.98	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	250.45	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	356.67	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	274.31	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	364.14	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	281.86	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	378.33	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	302.83	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	652.08	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	724.50	

26 01 50 81-0184 Retrofit Existing Fixtures With Emergency Battery Pack *(26 01 50 81-0001)*

26 01 50 81-0185	EA	90 minute, 10 Watt, 50 VDC, Emergency Battery Pack for 2x4 LED Lighting Fixture (AcuityBrands Power Sentry® PS1050 FIK)	513.71	
26 01 50 81-0186	EA	90 minute, 10 Watt, 50 VDC, Emergency Battery Pack for 2x4 LED Lighting Fixture (AcuityBrands Power Sentry® PS1055LCP M5)	555.07	

26 01 50 81-0187 Retrofit Existing HID Fixtures *(26 01 50 81-0001)*

26 01 50 81-0188	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,476.89	

26 01 50 81-0189 LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts.

26 01 50 81-0190 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0189)*

26 01 50 81-0191	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	116.89	
		For >25 To 50, Deduct	*-5.84*	
		For >50 To 100, Deduct	*-10.17*	
		For >100, Deduct	*-17.31*	
26 01 50 81-0192	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	168.94	
		For >25 To 50, Deduct	*-8.45*	
		For >50 To 100, Deduct	*-14.07*	
		For >100, Deduct	*-22.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0193	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	127.08	
		For >25 To 50, Deduct	*-6.35*	
		For >50 To 100, Deduct	*-11.01*	
		For >100, Deduct	*-18.64*	
26 01 50 81-0194	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	116.92	
		For >25 To 50, Deduct	*-5.85*	
		For >50 To 100, Deduct	*-10.25*	
		For >100, Deduct	*-17.62*	
26 01 50 81-0195	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	152.63	
		For >25 To 50, Deduct	*-7.63*	
		For >50 To 100, Deduct	*-13.01*	
		For >100, Deduct	*-21.50*	
26 01 50 81-0196	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	197.74	
		For >25 To 50, Deduct	*-9.89*	
		For >50 To 100, Deduct	*-16.39*	
		For >100, Deduct	*-26.02*	
26 01 50 81-0197	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	126.31	
		For >25 To 50, Deduct	*-6.32*	
		For >50 To 100, Deduct	*-11.03*	
		For >100, Deduct	*-18.87*	
26 01 50 81-0198	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	126.31	
		For >25 To 50, Deduct	*-6.32*	
		For >50 To 100, Deduct	*-11.03*	
		For >100, Deduct	*-18.87*	
26 01 50 81-0199	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	161.65	
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-13.68*	
		For >100, Deduct	*-22.41*	
26 01 50 81-0200	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	137.59	
		For >25 To 50, Deduct	*-6.88*	
		For >50 To 100, Deduct	*-11.88*	
		For >100, Deduct	*-20.00*	
26 01 50 81-0201	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	137.59	
		For >25 To 50, Deduct	*-6.88*	
		For >50 To 100, Deduct	*-11.88*	
		For >100, Deduct	*-20.00*	

26 01 50 81-0202 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0189)*

26 01 50 81-0203	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	275.59	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-13.78*	
		For >50 To 100, Deduct	*-22.23*	
		For >100, Deduct	*-33.80*	
26 01 50 81-0204	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	296.93	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.85*	
		For >50 To 100, Deduct	*-23.83*	
		For >100, Deduct	*-35.93*	
26 01 50 81-0205	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	312.88	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.64*	
		For >50 To 100, Deduct	*-25.03*	
		For >100, Deduct	*-37.53*	
26 01 50 81-0206	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	337.80	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-26.90*	
		For >100, Deduct	*-40.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0207	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	362.56	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-18.13*	
		For >50 To 100, Deduct	*-29.06*	
		For >100, Deduct	*-43.75*	
26 01 50 81-0208	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	391.50	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-19.58*	
		For >50 To 100, Deduct	*-31.24*	
		For >100, Deduct	*-46.64*	
26 01 50 81-0209		LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0189)*		
		Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0210	EA	2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	107.58	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.38*	
		For >50 To 100, Deduct	*-9.47*	
		For >100, Deduct	*-16.38*	
26 01 50 81-0211	EA	2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	107.58	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.38*	
		For >50 To 100, Deduct	*-9.47*	
		For >100, Deduct	*-16.38*	
26 01 50 81-0212	EA	4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	141.36	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-20.38*	
26 01 50 81-0213	EA	4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	141.36	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-12.16*	
		For >100, Deduct	*-20.38*	
26 01 50 81-0214	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	141.47	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-20.39*	
26 01 50 81-0215	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	154.13	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-21.65*	
26 01 50 81-0216	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	141.47	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-20.39*	
26 01 50 81-0217	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	154.13	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-21.65*	
26 01 50 81-0218	EA	4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	141.47	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-20.39*	
26 01 50 81-0219	EA	4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	154.13	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-21.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0220	EA	4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	141.47	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-12.17*	
		For >100, Deduct	*-20.39*	
26 01 50 81-0221	EA	4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	154.13	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-21.65*	
26 01 50 81-0222	EA	4' Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	154.02	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.70*	
		For >50 To 100, Deduct	*-13.11*	
		For >100, Deduct	*-21.64*	
26 01 50 81-0223	EA	4' Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	181.11	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.06*	
		For >50 To 100, Deduct	*-15.14*	
		For >100, Deduct	*-24.35*	
26 01 50 81-0224	EA	4' Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	196.94	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.85*	
		For >50 To 100, Deduct	*-16.33*	
		For >100, Deduct	*-25.94*	
26 01 50 81-0225	EA	4' Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	181.11	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.06*	
		For >50 To 100, Deduct	*-15.14*	
		For >100, Deduct	*-24.35*	
26 01 50 81-0226	EA	4' Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	196.94	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.85*	
		For >50 To 100, Deduct	*-16.33*	
		For >100, Deduct	*-25.94*	
26 01 50 81-0227	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	194.50	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-9.73*	
		For >50 To 100, Deduct	*-14.90*	
		For >100, Deduct	*-20.70*	
26 01 50 81-0228	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	178.48	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-8.92*	
		For >50 To 100, Deduct	*-13.70*	
		For >100, Deduct	*-19.10*	
26 01 50 81-0229	EA	8' Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	183.82	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.19*	
		For >50 To 100, Deduct	*-15.81*	
		For >100, Deduct	*-26.50*	
26 01 50 81-0230	EA	8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	191.73	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.59*	
		For >50 To 100, Deduct	*-16.41*	
		For >100, Deduct	*-27.29*	
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	269.47	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.47*	
		For >50 To 100, Deduct	*-22.24*	
		For >100, Deduct	*-35.06*	
26 01 50 81-0232	EA	8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	301.13	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.06*	
		For >50 To 100, Deduct	*-24.61*	
		For >100, Deduct	*-38.23*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0233		EA	8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	269.47	
			Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	*-13.47*	
			For >50 To 100, Deduct	*-22.24*	
			For >100, Deduct	*-35.06*	
26 01 50 81-0234		EA	8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	301.13	
			Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	*-15.06*	
			For >50 To 100, Deduct	*-24.61*	
			For >100, Deduct	*-38.23*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,577.31	978.86
26 05 13 16-0005	MLF		#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,200.01	1,068.82
26 05 13 16-0006	MLF		#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,986.60	1,207.60
26 05 13 16-0007	MLF		1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,440.55	1,487.82
26 05 13 16-0008	MLF		2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,328.30	1,675.41
26 05 13 16-0009	MLF		3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,919.35	1,859.66
26 05 13 16-0010	MLF		4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,038.20	2,089.52
26 05 13 16-0011	MLF		250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,856.68	2,324.68
26 05 13 16-0012	MLF		350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,846.70	2,775.61
26 05 13 16-0013	MLF		500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	17,366.61	3,262.67
26 05 13 16-0014	MLF		750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	25,487.05	3,845.41
26 05 13 16-0015	MLF		1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	33,613.65	4,427.87

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0017	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,454.94	
26 05 13 16-0018	MLF		#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,852.65	
26 05 13 16-0019	MLF		#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,292.22	
26 05 13 16-0020	MLF		1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,275.68	
26 05 13 16-0021	MLF		2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,694.32	
26 05 13 16-0022	MLF		3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,054.09	
26 05 13 16-0023	MLF		4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,598.31	
26 05 13 16-0024	MLF		250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,064.12	
26 05 13 16-0025	MLF		350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,048.89	
26 05 13 16-0026	MLF		500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,461.22	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,749.15	613.97
26 05 13 16-0029	MLF		#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,264.03	658.31
26 05 13 16-0030	MLF		#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,162.61	832.48
26 05 13 16-0031	MLF		1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,385.87	1,010.62
26 05 13 16-0032	MLF		2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,267.94	1,186.37
26 05 13 16-0033	MLF		3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,847.62	1,356.74
26 05 13 16-0034	MLF		4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,965.16	1,574.20
26 05 13 16-0035	MLF		250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,267.14	1,980.45
26 05 13 16-0036	MLF		350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,514.97	2,505.88
26 05 13 16-0037	MLF		500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,511.69	3,148.40

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0002)*

26 05 13 16-0039	MLF		1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,701.91	1,950.74
26 05 13 16-0040	MLF		2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,760.85	1,978.77
26 05 13 16-0041	MLF		3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,819.79	2,006.81
26 05 13 16-0042	MLF		4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,212.97	2,051.16
26 05 13 16-0043	MLF		350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,083.86	2,129.41
26 05 13 16-0044	MLF		500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	16,879.35	2,231.65
26 05 13 16-0045	MLF		750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	25,807.62	2,789.56
26 05 13 16-0046	MLF		1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	30,015.63	3,719.46

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0047		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*		
26 05 13 16-0048	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,780.76	978.86
26 05 13 16-0049	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,475.05	1,068.82
26 05 13 16-0050	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,340.76	1,207.60
26 05 13 16-0051	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,135.37	1,347.63
26 05 13 16-0052	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,930.36	1,487.82
26 05 13 16-0053	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,893.46	1,675.41
26 05 13 16-0054	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,687.96	1,859.66
26 05 13 16-0055	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,904.78	2,089.52
26 05 13 16-0056	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,944.80	2,324.68
26 05 13 16-0057	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,090.05	2,775.61
26 05 13 16-0058	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	19,024.41	3,262.67
26 05 13 16-0059	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	28,344.91	3,845.41
26 05 13 16-0060	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	37,671.56	4,427.87
26 05 13 16-0061		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)* Note: Excludes excavation.		
26 05 13 16-0062	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,658.40	
26 05 13 16-0063	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,127.70	
26 05 13 16-0064	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,646.39	
26 05 13 16-0065	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,206.48	
26 05 13 16-0066	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,765.48	
26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,259.48	
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,822.70	
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,464.89	
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,152.24	
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,292.24	
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,119.02	
26 05 13 16-0073		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*		
26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,952.60	613.97
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,539.07	658.31
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,516.77	832.48
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,194.59	920.89
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,875.68	1,010.62
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,833.10	1,186.37
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,616.23	1,356.74
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,831.74	1,574.20
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,355.26	1,980.45
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,758.32	2,505.88
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,169.49	3,148.40
26 05 13 16-0085		15 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0086		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0087		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*		
26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	7,641.96	1,950.74
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,204.46	1,950.74
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,419.02	1,950.74
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,117.98	1,950.74
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,781.39	1,950.74
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,108.58	2,036.24
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,369.20	2,036.24
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	13,023.96	2,129.41
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	14,676.96	2,179.34
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	18,007.45	2,454.81
26 05 13 16-0098		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)* Note: Excludes excavation.		
26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,320.62	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,019.58	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,682.99	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,037.15	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,297.77	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,068.16	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,724.28	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0106		MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,775.81	
26 05 13 16-0107			**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0086)*		
26 05 13 16-0108		MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,854.79	877.08
26 05 13 16-0109		MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,905.87	1,010.62
26 05 13 16-0110		MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,032.71	1,186.37
26 05 13 16-0111		MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	9,595.67	1,356.74
26 05 13 16-0112		MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,429.61	1,574.20
26 05 13 16-0113		MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,532.71	1,832.57
26 05 13 16-0114		MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,859.31	2,135.42
26 05 13 16-0115		MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,411.17	2,480.49
26 05 13 16-0116			**Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** *(26 05 13 16-0085)*		
26 05 13 16-0117			**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** *(26 05 13 16-0116)*		
26 05 13 16-0118		MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,139.68	1,950.74
26 05 13 16-0119		MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,803.43	1,950.74
26 05 13 16-0120		MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,056.61	1,950.74
26 05 13 16-0121		MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,881.38	1,950.74
26 05 13 16-0122		MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,664.21	1,950.74
26 05 13 16-0123		MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,191.84	2,036.24
26 05 13 16-0124		MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,499.38	2,036.24
26 05 13 16-0125		MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,410.03	2,129.41
26 05 13 16-0126		MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,338.11	2,179.34
26 05 13 16-0127		MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	20,144.12	2,454.81
26 05 13 16-0128			**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** *(26 05 13 16-0116)* Note: Excludes excavation.		
26 05 13 16-0129		MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,958.22	
26 05 13 16-0130		MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,782.98	
26 05 13 16-0131		MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,565.81	
26 05 13 16-0132		MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,120.41	
26 05 13 16-0133		MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,427.94	
26 05 13 16-0134		MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,450.19	
26 05 13 16-0135		MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,376.69	
26 05 13 16-0136		MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,912.48	
26 05 13 16-0137			**Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** *(26 05 13 16-0116)*		
26 05 13 16-0138		MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,492.39	877.08
26 05 13 16-0139		MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,669.27	1,010.62
26 05 13 16-0140		MLF	2/0 AWG, EPERR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,915.53	1,186.37
26 05 13 16-0141		MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,678.93	1,356.74
26 05 13 16-0142		MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,559.78	1,574.20
26 05 13 16-0143		MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,918.78	1,832.57
26 05 13 16-0144		MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,520.46	2,135.42
26 05 13 16-0145		MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,547.84	2,480.49
26 05 13 16-0146			**15 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0085)*		
26 05 13 16-0147		MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,649.98	1,957.58
26 05 13 16-0148		MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,327.93	2,004.37
26 05 13 16-0149		MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,655.30	2,051.16
26 05 13 16-0150		MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	18,531.60	2,187.85
26 05 13 16-0151			**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0085)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152			**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0153		LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	52.68	14.93
26 05 13 16-0154		LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.28	15.90
26 05 13 16-0155			**Aluminum Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0156		LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	52.68	14.93
26 05 13 16-0157		LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.28	15.90
26 05 13 16-0158			**Type URD, 15 KV Primary Concentric UD Cable** *(26 05 13 16-0085)* Note: 0.175" XLPE insulation, copper conductor.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0159		MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,788.13	978.86
26 05 13 16-0160		MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,485.01	1,068.82
26 05 13 16-0161		MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,353.59	1,207.60
26 05 13 16-0162		MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,938.19	1,483.77
26 05 13 16-0163		MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,901.38	1,670.39
26 05 13 16-0164		MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,715.78	1,859.66
26 05 13 16-0165		MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,916.67	2,081.71
26 05 13 16-0166			15 KV, URD Copper Cable, Direct Burial *(26 05 13 16-0085)*		
26 05 13 16-0167		MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	17,093.01	
26 05 13 16-0168			Wire Connections *(26 05 13 16-0001)*		
26 05 13 16-0169			Medium Voltage Up To 5 KV *(26 05 13 16-0168)*		
26 05 13 16-0170			Shielded One Conductor Cable Splice *(26 05 13 16-0169)*		
26 05 13 16-0171		EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	383.13	124.63
26 05 13 16-0172		EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	513.21	124.63
26 05 13 16-0173		EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	513.21	124.63
26 05 13 16-0174		EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	550.30	149.55
26 05 13 16-0175		EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	550.30	149.55
26 05 13 16-0176		EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	550.30	149.55
26 05 13 16-0177		EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	599.75	174.48
26 05 13 16-0178		EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	599.75	174.48
26 05 13 16-0179		EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	599.75	174.48
26 05 13 16-0180			Cable Termination Without Stress Cone *(26 05 13 16-0169)*		
26 05 13 16-0181		EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	572.82	149.55
26 05 13 16-0182		EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	661.05	174.48
26 05 13 16-0183			Cable Termination With Stress Cone *(26 05 13 16-0169)*		
26 05 13 16-0184		EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,711.32	299.10
26 05 13 16-0185		EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,352.26	411.27
26 05 13 16-0186			Connect To Pothead, Pothead Included *(26 05 13 16-0169)*		
26 05 13 16-0187		EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	1,789.88	299.10
26 05 13 16-0188		EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	2,292.38	342.73
26 05 13 16-0189			Two Conductor Pothead *(26 05 13 16-0169)*		
			Note: Includes 5 KV pothead.		
26 05 13 16-0190		EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,304.12	411.27
26 05 13 16-0191		EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,748.46	523.44
26 05 13 16-0192		EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,675.73	593.48
26 05 13 16-0193		EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,362.36	692.43
26 05 13 16-0194		EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,032.35	1,038.52
26 05 13 16-0195			Three Conductor Pothead *(26 05 13 16-0169)*		
			Note: Includes 5 KV pothead.		
26 05 13 16-0196		EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	5,333.34	598.22
26 05 13 16-0197		EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	5,838.28	697.91
26 05 13 16-0198			Copper Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
			Note: For bare wire.		
26 05 13 16-0199		EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	82.06	
26 05 13 16-0200		EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	90.74	
26 05 13 16-0201		EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	105.79	
26 05 13 16-0202		EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	119.73	
26 05 13 16-0203		EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	135.23	
26 05 13 16-0204		EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	150.12	
26 05 13 16-0205		EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	164.75	
26 05 13 16-0206		EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	180.43	
26 05 13 16-0207		EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	195.49	
26 05 13 16-0208		EA	250 MCM Crimp Compression Connection For Bare Copper Wire	211.00	
26 05 13 16-0209		EA	300 MCM Crimp Compression Connection For Bare Copper Wire	227.12	
26 05 13 16-0210		EA	350 MCM Crimp Compression Connection For Bare Copper Wire	241.80	
26 05 13 16-0211		EA	400 MCM Crimp Compression Connection For Bare Copper Wire	273.68	
26 05 13 16-0212		EA	500 MCM Crimp Compression Connection For Bare Copper Wire	307.00	
26 05 13 16-0213			Aluminum Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
			Note: For bare wire.		
26 05 13 16-0214		EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	84.86	
26 05 13 16-0215		EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	92.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	124.84	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	148.23	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	162.39	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	176.47	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	194.03	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	209.88	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	225.05	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	240.86	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	256.22	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	294.34	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	332.77	
26 05 13 16-0227		15 KV *(26 05 13 16-0168)*		
26 05 13 16-0228		Single Conductor Pothead On Racks *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,584.34	523.44
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,021.63	648.06
26 05 13 16-0231		Two Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	2,333.87	797.61
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	2,806.79	947.17
26 05 13 16-0234		Three Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	2,979.71	1,034.40
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	3,711.96	1,296.13
26 05 13 16-0237		Stress Relief Cone On Rack *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,489.42	523.44
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	1,914.91	648.06
26 05 13 16-0240		Grounded, Shielded Cable Splice *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,026.26	386.34
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,314.87	498.51
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	6,328.38	1,370.90
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	8,128.64	1,495.53
26 05 13 16-0245		Cable Termination *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	681.20	218.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.86*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	860.59	280.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.25*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,066.94	342.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.64*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	434.07	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 05 13 16-0250		Stress Cones, 5-15 KV, 4 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	870.77	162.02
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	991.87	179.06
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,178.12	195.96
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	1,515.53	225.78
26 05 13 16-0255		Stress Cones, 5-15 KV, 6 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,741.58	324.58
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,983.99	358.13
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	2,341.70	384.65
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	3,031.05	451.55
26 05 13 16-0260		35 KV *(26 05 13 16-0168)*		
26 05 13 16-0261		35 KV One Conductor Splice *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	2,564.41	
26 05 13 16-0263		Cable Termination *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	594.96	149.68
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	813.30	225.83
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	943.44	241.53

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	472.29	124.63
26 05 13 16-0268		70 KV *(26 05 13 16-0168)*		
26 05 13 16-0269		Cable Splice *(26 05 13 16-0268)*		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing	13,565.97	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing	2,660.43	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001		Under Carpet Power System *(26 05 19 13)*		
		Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.48	0.57
26 05 19 13-0003	LF	Steel, Top Shield	15.01	0.57
26 05 19 13-0004	EA	3-Conductor, Splice	36.58	9.67
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	10.53	4.55
26 05 19 13-0006	EA	3-Conductor, Tap	45.64	11.39
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	71.33	9.67
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	46.55	5.69
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	140.37	18.21
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	233.98	28.47
26 05 19 13-0011	EA	Floor Mounted Box With Cover	233.28	22.78
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	10.31	0.57
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	10.23	0.57
26 05 19 13-0014	EA	5-Conductor, Splice	37.08	9.67
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	61.63	5.69
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	104.44	22.78
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	68.75	18.79
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	90.56	21.63
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	38.99	8.54
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.26	0.57
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	31.01	11.39
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	31.01	11.39
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	163.08	56.93

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001		Cable Installation Methods *(26 05 19 16)*		
26 05 19 16-0002		Pull Cord *(26 05 19 16-0001)*		
		Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.39	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.21	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.68	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.43	
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*		
		Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.50	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.45	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge	489.18	
		Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011		Wire and Cable *(26 05 19 16)*		
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012		600 Volt Wire *(26 05 19 16-0011)*		
26 05 19 16-0013		Single Solid Conductor, Copper *(26 05 19 16-0012)*		
26 05 19 16-0014	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	676.49	276.34
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	844.13	325.08
26 05 19 16-0016	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,040.08	397.49
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	864.49	276.34
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,042.41	325.08
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,246.68	397.49
26 05 19 16-0020		Power Cable, Stranded Conductor, Copper *(26 05 19 16-0012)*		
26 05 19 16-0021		Power Cable, Stranded, Single Conductor, XHHW-2 *(26 05 19 16-0020)*		
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	707.13	227.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	835.55	273.27
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,025.49	318.82
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,256.94	364.36
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,670.12	455.45
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,245.11	546.54
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,063.06	683.18
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,618.58	774.27
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,276.33	865.36
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,282.44	956.45
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,328.94	1,093.09
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,568.62	1,229.72
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,042.29	1,366.35
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,814.05	1,502.99
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,467.89	1,639.63
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,570.89	1,776.27
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,479.95	1,912.90
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,182.22	2,049.53
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	18,707.99	2,186.17
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	21,520.90	2,368.35
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	32,558.74	2,641.62
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	45,822.78	3,097.08

26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW-2 *(26 05 19 16-0020)*

26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,671.10	546.43
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,051.21	637.75
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,545.29	774.27
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,019.80	842.25
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,286.70	888.01
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,818.78	979.00
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,703.34	1,020.44
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,618.19	1,115.86
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,094.17	1,184.41
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,414.75	1,503.10
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,217.21	2,231.71
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,051.26	637.75
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,621.15	774.27
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,191.06	910.90
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,740.75	819.47
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,540.97	1,001.08
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,572.89	1,275.49
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,176.74	1,640.20
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,352.32	2,095.19
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,397.19	933.68
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,327.19	1,093.09
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,598.81	1,389.13
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,376.48	1,047.54
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,881.36	1,298.04
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,517.30	1,600.91
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,887.47	1,270.94
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,699.58	1,453.69
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,955.48	1,814.07
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,096.04	1,548.08
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,666.71	1,731.18
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,144.88	2,277.26
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,138.41	2,185.83
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	18,394.08	2,731.58
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,710.58	2,368.81
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	20,311.84	2,731.58
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	24,846.17	3,186.80
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,748.84	4,097.36
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	30,286.59	3,646.70
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,349.72	4,097.36
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	40,479.37	4,554.52
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	52,241.82	5,005.65

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,012.33	
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,191.59	
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,496.08	
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,970.00	
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,763.25	
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,642.31	
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,272.07	
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,564.17	
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,055.48	
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,765.13	
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,776.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,305.69	
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,408.40	
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,258.15	
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,298.61	
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,686.31	
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	25,695.78	
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	30,355.45	
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	48,298.54	
26 05 19 16-0106	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	829.38	
26 05 19 16-0107	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	992.73	
26 05 19 16-0108	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,185.43	
26 05 19 16-0109	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,455.63	
26 05 19 16-0110	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,864.98	
26 05 19 16-0111	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,472.05	
26 05 19 16-0112	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,344.92	
26 05 19 16-0113	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,945.28	
26 05 19 16-0114	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,467.79	
26 05 19 16-0115	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,035.06	
26 05 19 16-0116	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,839.58	
26 05 19 16-0117	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,806.99	
26 05 19 16-0118	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,709.11	
26 05 19 16-0119	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,659.29	
26 05 19 16-0120	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,688.46	
26 05 19 16-0121	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,752.01	
26 05 19 16-0122	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,486.00	
26 05 19 16-0123	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,694.80	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	693.02	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	860.16	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,062.91	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,487.56	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,017.66	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,659.49	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,791.50	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,510.34	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,246.62	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,950.02	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,047.48	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,388.10	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,837.27	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,346.58	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,967.83	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,532.60	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,233.85	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,699.26	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	32,597.30	
26 05 19 16-0143	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,559.69	
26 05 19 16-0144	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,952.20	
26 05 19 16-0145	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,832.36	
26 05 19 16-0146	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,026.09	
26 05 19 16-0147	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,139.76	
26 05 19 16-0148	MLF	250 MCM,Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,008.94	
26 05 19 16-0149	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,131.69	
26 05 19 16-0150	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,618.45	
26 05 19 16-0151	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,204.02	

26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0012)*

26 05 19 16-0153 ACTHH, Solid *(26 05 19 16-0152)*

26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,766.50	747.77
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	3,195.16	847.46
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,677.76	897.32
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,939.44	1,246.28
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,202.76	1,395.58
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,386.92	1,546.25
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,138.20	1,695.56
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,796.90	1,395.58
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,000.20	1,546.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0163	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,463.20	1,745.53
26 05 19 16-0164	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,507.35	1,894.09
26 05 19 16-0165	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,755.16	1,546.25
26 05 19 16-0166	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,291.14	1,745.53
26 05 19 16-0167	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	8,087.97	1,944.31
26 05 19 16-0168	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	10,619.45	2,094.61
26 05 19 16-0169		ACTHH, Stranded *(26 05 19 16-0152)*		
26 05 19 16-0170	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,388.63	1,795.76
26 05 19 16-0171	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,056.62	2,043.02
26 05 19 16-0172	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,757.36	1,994.04
26 05 19 16-0173	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,065.93	2,241.55
26 05 19 16-0174	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,114.30	2,492.55
26 05 19 16-0175	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	16,267.94	2,739.06
26 05 19 16-0176	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,689.74	2,988.69
26 05 19 16-0177	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	11,363.21	2,392.10
26 05 19 16-0178	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	13,840.33	2,640.36
26 05 19 16-0179	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	17,968.62	2,891.61
26 05 19 16-0180	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	19,701.71	3,139.24
26 05 19 16-0181	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	23,485.65	3,386.63
26 05 19 16-0182		HCFC, Solid *(26 05 19 16-0152)*		
26 05 19 16-0183	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,456.86	1,246.28
26 05 19 16-0184	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,868.31	1,400.31
26 05 19 16-0185	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,450.16	1,538.65
26 05 19 16-0186	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,438.51	1,400.31
26 05 19 16-0187	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,823.27	1,538.65
26 05 19 16-0188	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	7,699.32	1,755.37
26 05 19 16-0189	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,741.12	1,538.65
26 05 19 16-0190	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	7,341.38	1,755.37
26 05 19 16-0191	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	10,182.45	1,947.31
26 05 19 16-0192		MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0152)*		
26 05 19 16-0193	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,914.19	1,246.28
26 05 19 16-0194	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,369.23	1,400.31
26 05 19 16-0195	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,298.73	1,538.65
26 05 19 16-0196	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,880.67	1,644.21
26 05 19 16-0197	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,665.24	1,743.04
26 05 19 16-0198	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,533.50	1,400.31
26 05 19 16-0199	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,128.39	1,538.65
26 05 19 16-0200	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,581.50	1,755.37
26 05 19 16-0201	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,678.61	1,894.09
26 05 19 16-0202	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,205.30	2,043.02
26 05 19 16-0203	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,737.86	2,194.19
26 05 19 16-0204	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,846.50	2,342.63
26 05 19 16-0205	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,283.83	1,538.65
26 05 19 16-0206	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,055.56	1,755.37
26 05 19 16-0207	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,383.11	1,947.31
26 05 19 16-0208	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,891.33	2,145.09
26 05 19 16-0209	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,864.41	2,295.13
26 05 19 16-0210	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	21,130.08	2,443.69
26 05 19 16-0211	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	27,487.92	2,591.00
26 05 19 16-0212		FPLP Solid TFN Red Armored Cable *(26 05 19 16-0152)*		
		Note: Color coded red.		
26 05 19 16-0213	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,068.60	947.17
26 05 19 16-0214	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,614.79	1,096.72
26 05 19 16-0215	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,750.31	1,246.28
26 05 19 16-0216	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,604.42	1,395.83
26 05 19 16-0217	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,626.00	1,096.72
26 05 19 16-0218	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,481.14	1,246.28
26 05 19 16-0219	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	6,927.63	1,395.83
26 05 19 16-0220	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,891.86	1,545.38
26 05 19 16-0221		FPLP Solid THHN Red Armored Cable *(26 05 19 16-0152)*		
		Note: Color coded red.		
26 05 19 16-0222	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,131.42	1,246.28
26 05 19 16-0223	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,411.71	1,395.83
26 05 19 16-0224	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,612.71	1,545.38
26 05 19 16-0225	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,011.27	1,694.93
26 05 19 16-0226	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,519.79	1,395.83
26 05 19 16-0227	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,020.33	1,545.38
26 05 19 16-0228		FPLP Twisted Shielded Pair Red Armored Cable *(26 05 19 16-0152)*		
		Note: Color coded red.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0229	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,435.65	947.17
26 05 19 16-0230	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,139.70	1,395.83
26 05 19 16-0231	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,473.28	1,096.72
26 05 19 16-0232	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,478.30	1,246.28
26 05 19 16-0233	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,058.27	1,545.38
26 05 19 16-0234	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,408.19	1,296.13
26 05 19 16-0235	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,944.64	1,495.53

26 05 19 16-0236 Armored Cable Connectors *(26 05 19 16-0152)*

26 05 19 16-0237	EA	3/4" Armored Cable Connector	7.59	2.74
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.05*	
26 05 19 16-0238	EA	1" Armored Cable Connector	10.13	3.64
		For Work In Restricted Working Space, Add	*2.73*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.82*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.19*	
		For Elevated Installation >30' To 35', Add	*3.64*	
		For Elevated Installation >35' To 40', Add	*4.56*	
		For Elevated Installation >40', Add	*5.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.73*	
26 05 19 16-0239	EA	1-1/4" Armored Cable Connector	12.74	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	

26 05 19 16-0240 600 Volt, Feeder Wire, Single Stranded Copper *(26 05 19 16-0012)*

26 05 19 16-0241	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	930.26	182.52
		For EPR Insulation, Add	*37.06*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*86.48*	
26 05 19 16-0242	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,048.91	202.11
		For EPR Insulation, Add	*37.78*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*88.15*	
26 05 19 16-0243	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,278.63	252.66
		For EPR Insulation, Add	*55.16*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*128.71*	
26 05 19 16-0244	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,743.18	401.93
		For EPR Insulation, Add	*90.68*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*211.59*	
26 05 19 16-0245	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,382.23	482.32
		For EPR Insulation, Add	*152.38*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*355.56*	
26 05 19 16-0246	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,244.84	559.98
		For EPR Insulation, Add	*230.53*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*537.91*	
26 05 19 16-0247	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,701.94	640.93
		For EPR Insulation, Add	*264.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*618.19*	
26 05 19 16-0248	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,659.52	721.89
		For EPR Insulation, Add	*374.42*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*873.64*	
26 05 19 16-0249	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,763.80	803.99
		For EPR Insulation, Add	*505.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,180.43*	
26 05 19 16-0250	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,944.95	907.03
		For EPR Insulation, Add	*631.84*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,474.28*	
26 05 19 16-0251	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,369.18	1,005.86
		For EPR Insulation, Add	*794.23*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,853.21*	
26 05 19 16-0252	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,032.50	1,122.91
		For EPR Insulation, Add	*992.49*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,315.81*	
26 05 19 16-0253	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,313.60	1,248.51
		For EPR Insulation, Add	*1,133.42*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,644.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0254	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,051.01	1,369.32
		For EPR Insulation, Add	*1,192.79*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,783.18*	
26 05 19 16-0255	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,208.33	1,505.27
		For EPR Insulation, Add	*1,465.15*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,418.68*	
26 05 19 16-0256	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,844.56	1,595.79
		For EPR Insulation, Add	*1,659.35*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,871.81*	
26 05 19 16-0257	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,745.38	1,783.56
		For EPR Insulation, Add	*1,893.23*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,417.54*	
26 05 19 16-0258	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,265.40	1,983.61
		For EPR Insulation, Add	*2,220.00*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,179.99*	
26 05 19 16-0259	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	23,713.27	2,063.77
		For EPR Insulation, Add	*2,668.86*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,227.34*	
26 05 19 16-0260	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	38,377.54	2,143.81
		For EPR Insulation, Add	*4,766.02*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*11,120.72*	
26 05 19 16-0261	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	48,284.48	2,290.70
		For EPR Insulation, Add	*6,183.74*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*14,428.74*	
26 05 19 16-0262	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,579.48	409.68
26 05 19 16-0263	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,962.60	455.45
26 05 19 16-0264	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,457.74	547.00
26 05 19 16-0265	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,911.55	637.40
26 05 19 16-0266	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,279.24	682.50
26 05 19 16-0267	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	536.11	227.72
26 05 19 16-0268	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	668.59	250.50
26 05 19 16-0269	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	687.13	182.64
26 05 19 16-0270	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	851.74	217.71
26 05 19 16-0271	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,050.27	273.84
26 05 19 16-0272	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,465.52	360.94
26 05 19 16-0273	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,981.23	435.87
26 05 19 16-0274	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,603.33	515.11
26 05 19 16-0275	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,106.06	583.09
26 05 19 16-0276	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,703.13	653.00
26 05 19 16-0277	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,398.58	736.92
26 05 19 16-0278	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,116.07	806.94
26 05 19 16-0279	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,796.81	891.77
26 05 19 16-0280	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,852.86	943.24
26 05 19 16-0281	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,145.91	1,061.20
26 05 19 16-0282	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,542.33	1,128.95
26 05 19 16-0283	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,996.04	1,278.57
26 05 19 16-0284	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,556.36	1,414.97
26 05 19 16-0285	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,062.90	1,453.69
26 05 19 16-0286	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,651.76	1,537.95
26 05 19 16-0287	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,585.40	1,809.85
26 05 19 16-0288	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	31,337.82	2,143.81
26 05 19 16-0289	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	37,518.24	2,588.33
26 05 19 16-0290	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,824.26	547.00
26 05 19 16-0291	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,139.24	637.40
26 05 19 16-0292	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,637.52	729.29
26 05 19 16-0293	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,725.86	819.47
26 05 19 16-0294	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,355.06	910.90
26 05 19 16-0295	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,828.09	1,001.08
26 05 19 16-0296		**600 Volt, Feeder Wire, Single Stranded Aluminum** *(26 05 19 16-0012)*		
26 05 19 16-0297	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,327.24	351.72
26 05 19 16-0298	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,574.59	408.97
26 05 19 16-0299	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,061.89	524.98
26 05 19 16-0300	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,563.15	586.24
26 05 19 16-0301	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,968.45	660.47
26 05 19 16-0302	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,379.06	728.98
26 05 19 16-0303	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,990.51	822.70
26 05 19 16-0304	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,417.91	907.65
26 05 19 16-0305	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,117.76	997.80
26 05 19 16-0306	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,336.11	1,085.10
26 05 19 16-0307	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,614.25	1,172.36
26 05 19 16-0308	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,566.32	1,303.98
26 05 19 16-0309	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,338.85	1,435.56
26 05 19 16-0310	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,198.86	1,672.27
26 05 19 16-0311	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,530.70	1,833.28
26 05 19 16-0312	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,771.33	1,901.24
26 05 19 16-0313	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	16,214.72	2,306.31
26 05 19 16-0314	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,582.48	404.33
26 05 19 16-0315	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,779.17	455.45
26 05 19 16-0316	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,190.30	560.32
26 05 19 16-0317	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,788.91	686.83

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0318	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,590.94	808.54
26 05 19 16-0319	MLF	1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,161.76	911.25
26 05 19 16-0320	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,756.27	1,012.13
26 05 19 16-0321	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,525.73	1,104.25
26 05 19 16-0322	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,010.62	1,175.18
26 05 19 16-0323	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,894.58	1,257.39
26 05 19 16-0324	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,550.19	1,347.57
26 05 19 16-0325	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,906.15	1,455.74
26 05 19 16-0326	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,126.54	1,587.48
26 05 19 16-0327	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,346.65	1,821.81
26 05 19 16-0328	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,399.03	1,917.23
26 05 19 16-0329	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,987.85	2,021.30
26 05 19 16-0330	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,406.44	2,148.15
26 05 19 16-0331	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	22,467.67	3,010.54
26 05 19 16-0332	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,837.36	455.45
26 05 19 16-0333	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,298.75	560.20
26 05 19 16-0334	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,877.28	687.73
26 05 19 16-0335	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,666.84	803.99
26 05 19 16-0336	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,144.12	907.03
26 05 19 16-0337	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,710.71	1,005.86
26 05 19 16-0338	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,515.67	1,104.25
26 05 19 16-0339	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,052.34	1,175.18
26 05 19 16-0340	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,934.62	1,256.59
26 05 19 16-0341	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,563.74	1,349.28
26 05 19 16-0342	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,034.44	1,457.68
26 05 19 16-0343	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,028.68	1,583.83
26 05 19 16-0344	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,541.81	1,821.81
26 05 19 16-0345	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,364.59	1,912.10
26 05 19 16-0346	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,915.42	2,021.30
26 05 19 16-0347	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,455.83	2,141.65

26 05 19 16-0348 Non-Metallic Sheathed Cable *(26 05 19 16-0012)*

26 05 19 16-0349 Indoor Installation *(26 05 19 16-0348)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0350	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,124.95	865.25
		For Installation In Wood Stud Wall (Includes Drilling), Add	*324.46*	
26 05 19 16-0351	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,937.70	1,047.54
		For Installation In Wood Stud Wall (Includes Drilling), Add	*392.85*	
26 05 19 16-0352	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,973.33	1,159.12
		For Installation In Wood Stud Wall (Includes Drilling), Add	*434.67*	
26 05 19 16-0353	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,994.59	983.78
		For Installation In Wood Stud Wall (Includes Drilling), Add	*350.13*	
26 05 19 16-0354	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,869.99	1,092.86
		For Installation In Wood Stud Wall (Includes Drilling), Add	*409.84*	
26 05 19 16-0355	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,904.27	1,220.61
		For Installation In Wood Stud Wall (Includes Drilling), Add	*457.73*	
26 05 19 16-0356	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,024.48	1,093.43
		For Installation In Wood Stud Wall (Includes Drilling), Add	*410.05*	
26 05 19 16-0357	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,187.27	1,275.49
		For Installation In Wood Stud Wall (Includes Drilling), Add	*478.31*	
26 05 19 16-0358	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,791.32	1,457.45
		For Installation In Wood Stud Wall (Includes Drilling), Add	*546.54*	
26 05 19 16-0359	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,847.93	1,309.42
		For Installation In Wood Stud Wall (Includes Drilling), Add	*466.27*	
26 05 19 16-0360	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,619.49	1,582.70
		For Installation In Wood Stud Wall (Includes Drilling), Add	*563.62*	
26 05 19 16-0361	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,014.97	1,491.60
		For Installation In Wood Stud Wall (Includes Drilling), Add	*529.46*	
26 05 19 16-0362	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	17,465.10	1,799.03
		For Installation In Wood Stud Wall (Includes Drilling), Add	*640.48*	
26 05 19 16-0363	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	41,396.49	1,981.21
		For Installation In Wood Stud Wall (Includes Drilling), Add	*704.53*	
26 05 19 16-0364	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	48,364.60	2,152.02
		For Installation In Wood Stud Wall (Includes Drilling), Add	*768.57*	

26 05 19 16-0365 Direct Burial Cable *(26 05 19 16-0348)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0366	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,546.36
26 05 19 16-0367	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,307.78
26 05 19 16-0368	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,222.43
26 05 19 16-0369	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,088.64
26 05 19 16-0370	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,482.68
26 05 19 16-0371	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,935.96
26 05 19 16-0372	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,275.83

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0373		MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,724.27	
26 05 19 16-0374		MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,620.49	
26 05 19 16-0375		MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	8,653.86	
26 05 19 16-0376			SEU Cable Copper, 3 Conductor *(26 05 19 16-0348)*		
26 05 19 16-0377		MLF	12-12-12 Cable SEU Copper	3,305.47	1,097.10
26 05 19 16-0378		MLF	10-10-10 Cable SEU Copper	4,121.74	1,246.28
26 05 19 16-0379		MLF	8-8-8 Cable SEU Copper	5,097.09	1,395.58
26 05 19 16-0380		MLF	6-6-8 Cable SEU Copper	6,117.40	1,496.16
26 05 19 16-0381		MLF	6-6-6 Cable SEU Copper	6,567.93	1,546.25
26 05 19 16-0382		MLF	4-4-6 Cable SEU Copper	7,968.70	1,695.56
26 05 19 16-0383		MLF	4-4-4 Cable SEU Copper	8,570.17	1,745.53
26 05 19 16-0384		MLF	3-3-5 Cable SEU Copper	9,951.31	1,894.09
26 05 19 16-0385		MLF	3-3-3 Cable SEU Copper	10,566.52	1,994.04
26 05 19 16-0386		MLF	2-2-4 Cable SEU Copper	11,280.95	2,094.61
26 05 19 16-0387		MLF	2-2-2 Cable SEU Copper	12,052.11	2,194.19
26 05 19 16-0388		MLF	1-1-1 Cable SEU Copper	14,715.14	2,492.55
26 05 19 16-0389		MLF	1/0-1/0-1/0 Cable SEU Copper	17,479.17	2,794.40
26 05 19 16-0390		MLF	2/0-2/0-2/0 Cable SEU Copper	21,006.72	3,147.22
26 05 19 16-0391		MLF	3/0-3/0-3/0 Cable SEU Copper	25,219.22	3,500.79
26 05 19 16-0392		MLF	4/0-4/0-4/0 Cable SEU Copper	28,182.82	3,906.82
26 05 19 16-0393			SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0348)*		
26 05 19 16-0394		MLF	8-8-8 Cable SEU Aluminum	4,733.69	1,400.31
26 05 19 16-0395		MLF	6-6-6 Cable SEU Aluminum	5,431.68	1,538.65
26 05 19 16-0396		MLF	4-4-6 Cable SEU Aluminum	6,126.93	1,684.21
26 05 19 16-0397		MLF	4-4-4 Cable SEU Aluminum	6,420.63	1,755.37
26 05 19 16-0398		MLF	2-2-4 Cable SEU Aluminum	7,696.30	2,077.17
26 05 19 16-0399		MLF	2-2-2 Cable SEU Aluminum	8,181.22	2,186.46
26 05 19 16-0400		MLF	1-1-1 Cable SEU Aluminum	9,910.75	2,492.55
26 05 19 16-0401		MLF	1/0-1/0-2 Cable SEU Aluminum	10,500.25	2,623.78
26 05 19 16-0402		MLF	1/0-1/0-1/0 Cable SEU Aluminum	13,024.29	2,769.47
26 05 19 16-0403		MLF	2/0-2/0-1 Cable SEU Aluminum	11,852.31	2,967.38
26 05 19 16-0404		MLF	2/0-2/0-2/0 Cable SEU Aluminum	12,532.66	3,115.69
26 05 19 16-0405		MLF	3/0-3/0-1/0 Cable SEU Aluminum	13,734.80	3,262.49
26 05 19 16-0406		MLF	3/0-3/0-3/0 Cable SEU Aluminum	14,711.77	3,461.90
26 05 19 16-0407		MLF	4/0-4/0-2/0 Cable SEU Aluminum	15,477.39	3,742.57
26 05 19 16-0408		MLF	4/0-4/0-4/0 Cable SEU Aluminum	16,382.55	3,894.61
26 05 19 16-0409			SER Cable Copper, 4 Conductor *(26 05 19 16-0348)*		
26 05 19 16-0410		MLF	6-6-6-6 Cable SER Copper	10,440.83	1,795.76
26 05 19 16-0411		MLF	4-4-4-6 Cable SER Copper	11,447.53	1,944.31
26 05 19 16-0412		MLF	3-3-3-5 Cable SER Copper	14,173.69	2,194.19
26 05 19 16-0413		MLF	2-2-2-4 Cable SER Copper	16,219.38	2,392.10
26 05 19 16-0414		MLF	1-1-1-3 Cable SER Copper	18,901.43	2,739.06
26 05 19 16-0415		MLF	1/0-1/0-1/0-2 Cable SER Copper	23,009.62	3,139.24
26 05 19 16-0416		MLF	2/0-2/0-2/0-1 Cable SER Copper	28,797.14	3,386.63
26 05 19 16-0417		MLF	3/0-3/0-3/0-1/0 Cable SER Copper	33,254.99	3,788.05
26 05 19 16-0418			SER Cable Aluminum, 4 Conductor *(26 05 19 16-0348)*		
26 05 19 16-0419		MLF	8-8-8-8 Cable SER Aluminum	5,356.19	1,676.11
26 05 19 16-0420		MLF	6-6-6-6 Cable SER Aluminum	5,825.63	1,795.76
26 05 19 16-0421		MLF	4-4-4-6 Cable SER Aluminum	6,492.14	1,944.31
26 05 19 16-0422		MLF	2-2-2-4 Cable SER Aluminum	8,153.02	2,392.10
26 05 19 16-0423		MLF	1-1-1-3 Cable SER Aluminum	9,753.92	2,739.06
26 05 19 16-0424		MLF	1/0-1/0-1/0-2 Cable SER Aluminum	11,038.89	3,139.24
26 05 19 16-0425		MLF	2/0-2/0-2/0-1 Cable SER Aluminum	12,296.01	3,386.63
26 05 19 16-0426		MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	13,969.19	3,788.05
26 05 19 16-0427		MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	15,827.93	4,221.00
26 05 19 16-0428			Control Tray Cable, Low Voltage *(26 05 19 16-0011)*		
			Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0429		MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,119.29	552.35
			For Work In Restricted Working Space, Add	*276.17*	
26 05 19 16-0430		MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,285.25	617.87
			For Work In Restricted Working Space, Add	*308.93*	
26 05 19 16-0431		MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,337.30	617.83
			For Work In Restricted Working Space, Add	*308.93*	
26 05 19 16-0432		MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,674.78	774.93
			For Work In Restricted Working Space, Add	*387.47*	
26 05 19 16-0433		MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,099.04	944.32
			For Work In Restricted Working Space, Add	*472.16*	
26 05 19 16-0434		MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,383.62	1,038.43
			For Work In Restricted Working Space, Add	*519.21*	
26 05 19 16-0435		MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,818.15	1,179.91
			For Work In Restricted Working Space, Add	*589.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0436	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,548.60	1,442.19
		For Work In Restricted Working Space, Add	*721.10*	
26 05 19 16-0437	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	4,032.17	1,573.36
		For Work In Restricted Working Space, Add	*786.68*	
26 05 19 16-0438	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,700.82	1,622.55
		For Work In Restricted Working Space, Add	*811.28*	
26 05 19 16-0439	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	5,777.03	2,026.99
		For Work In Restricted Working Space, Add	*1,013.49*	
26 05 19 16-0440	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	6,909.93	2,368.92
		For Work In Restricted Working Space, Add	*1,184.46*	
26 05 19 16-0441	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,217.36	581.84
		For Work In Restricted Working Space, Add	*290.69*	
26 05 19 16-0442	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,403.34	650.39
		For Work In Restricted Working Space, Add	*325.19*	
26 05 19 16-0443	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,632.35	748.76
		For Work In Restricted Working Space, Add	*374.38*	
26 05 19 16-0444	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,838.56	815.71
		For Work In Restricted Working Space, Add	*407.86*	
26 05 19 16-0445	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,313.16	994.03
		For Work In Restricted Working Space, Add	*497.01*	
26 05 19 16-0446	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,637.94	1,093.09
		For Work In Restricted Working Space, Add	*546.54*	
26 05 19 16-0447	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	3,134.55	1,242.02
		For Work In Restricted Working Space, Add	*621.01*	
26 05 19 16-0448	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,961.23	1,518.02
		For Work In Restricted Working Space, Add	*759.01*	
26 05 19 16-0449	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	4,522.41	1,656.02
		For Work In Restricted Working Space, Add	*828.01*	
26 05 19 16-0450	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	5,342.29	1,707.95
		For Work In Restricted Working Space, Add	*853.97*	
26 05 19 16-0451	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	6,554.34	2,133.57
		For Work In Restricted Working Space, Add	*1,066.78*	
26 05 19 16-0452	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	7,858.16	2,493.60
		For Work In Restricted Working Space, Add	*1,246.80*	
26 05 19 16-0453	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,313.85	607.35
		For Work In Restricted Working Space, Add	*303.67*	
26 05 19 16-0454	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,558.52	683.18
		For Work In Restricted Working Space, Add	*341.59*	
26 05 19 16-0455	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,821.88	780.87
		For Work In Restricted Working Space, Add	*390.44*	
26 05 19 16-0456	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	2,040.36	841.00
		For Work In Restricted Working Space, Add	*420.50*	
26 05 19 16-0457	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,694.00	1,030.92
		For Work In Restricted Working Space, Add	*515.46*	
26 05 19 16-0458	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	3,092.73	1,138.63
		For Work In Restricted Working Space, Add	*569.43*	
26 05 19 16-0459	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	3,761.94	1,270.71
		For Work In Restricted Working Space, Add	*635.36*	
26 05 19 16-0460	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	4,493.49	1,517.80
		For Work In Restricted Working Space, Add	*759.01*	
26 05 19 16-0461	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	7,386.14	1,763.74
		For Work In Restricted Working Space, Add	*881.64*	
26 05 19 16-0462	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	6,678.40	2,062.06
		For Work In Restricted Working Space, Add	*1,031.26*	
26 05 19 16-0463	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	7,738.53	2,304.36
		For Work In Restricted Working Space, Add	*1,152.18*	
26 05 19 16-0464	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	9,301.30	2,693.09
		For Work In Restricted Working Space, Add	*1,346.55*	
26 05 19 16-0465	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,515.70	650.39
		For Work In Restricted Working Space, Add	*325.19*	
26 05 19 16-0466	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,796.29	719.62
		For Work In Restricted Working Space, Add	*359.69*	
26 05 19 16-0467	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,172.50	828.02
		For Work In Restricted Working Space, Add	*414.01*	
26 05 19 16-0468	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	2,444.65	881.30
		For Work In Restricted Working Space, Add	*440.65*	
26 05 19 16-0469	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	3,194.24	1,050.73
		For Work In Restricted Working Space, Add	*525.37*	
26 05 19 16-0470	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	3,927.03	1,242.02
		For Work In Restricted Working Space, Add	*621.01*	
26 05 19 16-0471	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	4,748.24	1,401.20
		For Work In Restricted Working Space, Add	*700.60*	
26 05 19 16-0472	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	5,636.20	1,607.52
		For Work In Restricted Working Space, Add	*803.76*	
26 05 19 16-0473	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	6,644.27	1,822.04
		For Work In Restricted Working Space, Add	*911.02*	
26 05 19 16-0474	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	8,457.74	2,129.47
		For Work In Restricted Working Space, Add	*1,064.74*	
26 05 19 16-0475	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	9,800.01	2,488.82
		For Work In Restricted Working Space, Add	*1,244.41*	
26 05 19 16-0476	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	11,826.87	2,908.97
		For Work In Restricted Working Space, Add	*1,454.49*	
26 05 19 16-0477	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,783.26	683.18
		For Work In Restricted Working Space, Add	*341.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0478	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,200.09	749.22
		For Work In Restricted Working Space, Add	*374.38*	
26 05 19 16-0479	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,665.23	853.97
		For Work In Restricted Working Space, Add	*426.99*	
26 05 19 16-0480	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,081.62	926.39
		For Work In Restricted Working Space, Add	*463.19*	
26 05 19 16-0481	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	4,149.79	1,162.77
		For Work In Restricted Working Space, Add	*581.39*	
26 05 19 16-0482	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	4,901.36	1,301.45
		For Work In Restricted Working Space, Add	*650.73*	
26 05 19 16-0483	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	5,711.77	1,518.02
		For Work In Restricted Working Space, Add	*759.01*	
26 05 19 16-0484	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	6,737.37	1,735.96
		For Work In Restricted Working Space, Add	*867.98*	
26 05 19 16-0485	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	7,969.06	1,967.55
		For Work In Restricted Working Space, Add	*983.78*	
26 05 19 16-0486	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	10,213.85	2,299.58
		For Work In Restricted Working Space, Add	*1,149.79*	
26 05 19 16-0487	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	11,826.94	2,687.63
		For Work In Restricted Working Space, Add	*1,343.81*	
26 05 19 16-0488	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	14,308.71	3,141.94
		For Work In Restricted Working Space, Add	*1,570.97*	

26 05 19 16-0489 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0490 ACSR Cable *(26 05 19 16-0489)*

26 05 19 16-0491	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,145.97	569.37
26 05 19 16-0492	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,333.90	591.21
26 05 19 16-0493	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,619.66	613.97
26 05 19 16-0494	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,807.50	636.20
26 05 19 16-0495	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,329.32	657.78
26 05 19 16-0496	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,961.38	745.66
26 05 19 16-0497	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,704.30	831.57
26 05 19 16-0498	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	5,560.26	918.65
26 05 19 16-0499	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	6,098.96	1,180.58
26 05 19 16-0500	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	6,892.53	1,354.24

26 05 19 16-0501 All Aluminum Conductors *(26 05 19 16-0489)*

26 05 19 16-0502	MLF	795.0 ACSR Conductor Aluminum	43,893.60	11,158.25

26 05 19 16-0503 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0504 Bare Stranded Conductor *(26 05 19 16-0503)*

26 05 19 16-0505	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,403.51	482.41
26 05 19 16-0506	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,618.94	525.83
26 05 19 16-0507	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,835.79	569.77
26 05 19 16-0508	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,194.69	613.97
26 05 19 16-0509	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,611.58	658.31
26 05 19 16-0510	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,641.29	789.60
26 05 19 16-0511	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,164.79	877.08
26 05 19 16-0512	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,728.28	962.99
26 05 19 16-0513	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,244.65	1,142.17
26 05 19 16-0514	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	7,530.77	1,313.19
26 05 19 16-0515	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,133.91	1,488.29
26 05 19 16-0516	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,212.04	1,754.03
26 05 19 16-0517	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,479.90	1,846.39
26 05 19 16-0518	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	12,844.11	1,933.60
26 05 19 16-0519	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	14,113.85	2,012.94
26 05 19 16-0520	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	16,293.88	2,098.85

26 05 19 16-0521 Insulated Stranded Conductor *(26 05 19 16-0503)*

26 05 19 16-0522	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,492.14	482.41
26 05 19 16-0523	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,733.31	525.83
26 05 19 16-0524	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,061.55	569.77
26 05 19 16-0525	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,237.42	613.97
26 05 19 16-0526	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,676.78	658.31
26 05 19 16-0527	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,547.13	789.60
26 05 19 16-0528	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,155.39	877.08
26 05 19 16-0529	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,859.37	962.99
26 05 19 16-0530	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,842.06	1,142.17
26 05 19 16-0531	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,969.60	1,313.19
26 05 19 16-0532	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,177.69	1,488.29
26 05 19 16-0533	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,944.18	1,754.03
26 05 19 16-0534	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,188.90	1,846.39
26 05 19 16-0535	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,211.64	1,933.60
26 05 19 16-0536	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,589.45	2,012.94
26 05 19 16-0537	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	15,178.50	2,098.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0538		**Bare Solid Conductor** *(26 05 19 16-0503)*		
26 05 19 16-0539	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,403.51	482.41
26 05 19 16-0540	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,835.79	569.77
26 05 19 16-0541	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,194.69	613.97
26 05 19 16-0542	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,584.64	658.31
26 05 19 16-0543		**Multi-Conductor Cords, Cables And Associated Equipment** *(26 05 19 16-0011)*		
26 05 19 16-0544		**Multi-Conductor Cords** *(26 05 19 16-0543)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0545		**Multi-Conductor Type SOOW And SJOOW Cord** *(26 05 19 16-0544)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0546		**300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0545)*		
26 05 19 16-0547		**#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0546)*		
26 05 19 16-0548	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.13	0.50
26 05 19 16-0549	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.17	0.50
26 05 19 16-0550	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.27	0.50
26 05 19 16-0551		**#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0546)*		
26 05 19 16-0552	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.32	0.50
26 05 19 16-0553	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.39	0.50
26 05 19 16-0554	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.48	0.50
26 05 19 16-0555		**#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0546)*		
26 05 19 16-0556	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.44	0.50
26 05 19 16-0557	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.54	0.50
26 05 19 16-0558	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.74	0.50
26 05 19 16-0559		**#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0546)*		
26 05 19 16-0560	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.61	0.50
26 05 19 16-0561	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.73	0.50
26 05 19 16-0562	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.91	0.50
26 05 19 16-0563		**#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0546)*		
26 05 19 16-0564	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.02	0.62
26 05 19 16-0565	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.10	0.62
26 05 19 16-0566	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.23	0.62
26 05 19 16-0567		**600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0545)*		
26 05 19 16-0568		**#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0567)*		
26 05 19 16-0569	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.17	0.50
26 05 19 16-0570	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.24	0.50
26 05 19 16-0571	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.34	0.50
26 05 19 16-0572	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.18	0.67
26 05 19 16-0573	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.36	0.69
26 05 19 16-0574	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.49	0.71
26 05 19 16-0575	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.71	0.73
26 05 19 16-0576	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.08	0.76
26 05 19 16-0577	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.47	0.78
26 05 19 16-0578	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.45	0.80
26 05 19 16-0579	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.53	0.82
26 05 19 16-0580	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.65	0.84
26 05 19 16-0581	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.13	0.86
26 05 19 16-0582	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.36	0.88
26 05 19 16-0583	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.64	0.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0584		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0585	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.38	0.50
26 05 19 16-0586	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.45	0.50
26 05 19 16-0587	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.57	0.50
26 05 19 16-0588	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.27	0.67
26 05 19 16-0589	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.47	0.69
26 05 19 16-0590	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.67	0.71
26 05 19 16-0591	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93	0.73
26 05 19 16-0592	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.04	0.75
26 05 19 16-0593	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.34	0.76
26 05 19 16-0594	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.85	0.78
26 05 19 16-0595	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.11	0.80
26 05 19 16-0596	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.60	0.82
26 05 19 16-0597	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.25	0.84
26 05 19 16-0598	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.85	0.86
26 05 19 16-0599	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.98	0.88
26 05 19 16-0600	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.63	0.90
26 05 19 16-0601	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.83	0.93
26 05 19 16-0602		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0603	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.56	0.50
26 05 19 16-0604	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.63	0.50
26 05 19 16-0605	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.81	0.50
26 05 19 16-0606	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.83	0.67
26 05 19 16-0607	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.33	0.69
26 05 19 16-0608	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.51	0.71
26 05 19 16-0609	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.91	0.73
26 05 19 16-0610	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.18	0.75
26 05 19 16-0611	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.63	0.76
26 05 19 16-0612	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.08	0.78
26 05 19 16-0613	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.57	0.80
26 05 19 16-0614	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.62	0.82
26 05 19 16-0615	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.39	0.86
26 05 19 16-0616	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.64	0.88
26 05 19 16-0617	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.16	0.93
26 05 19 16-0618		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0619	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.74	0.50
26 05 19 16-0620	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.88	0.50
26 05 19 16-0621	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.02	0.50
26 05 19 16-0622	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.19	0.67
26 05 19 16-0623	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.65	0.69
26 05 19 16-0624	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.12	0.71
26 05 19 16-0625	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.64	0.73
26 05 19 16-0626	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.00	0.75
26 05 19 16-0627	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.62	0.76
26 05 19 16-0628	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.36	0.78
26 05 19 16-0629	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.04	0.80
26 05 19 16-0630	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.72	0.82
26 05 19 16-0631	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.05	0.84
26 05 19 16-0632	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.22	0.86
26 05 19 16-0633	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.42	0.88
26 05 19 16-0634	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.62	0.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0635	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.01	0.91
26 05 19 16-0636	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.44	0.93
26 05 19 16-0637		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0638	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.98	0.62
26 05 19 16-0639	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.10	0.62
26 05 19 16-0640	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.22	0.62
26 05 19 16-0641	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.81	0.67
26 05 19 16-0642	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.39	0.69
26 05 19 16-0643	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.10	0.71
26 05 19 16-0644	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.49	0.76
26 05 19 16-0645	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.40	0.78
26 05 19 16-0646	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.33	0.82
26 05 19 16-0647	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.40	0.86
26 05 19 16-0648		#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0649	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.75	0.75
26 05 19 16-0650	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.05	0.87
26 05 19 16-0651	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.37	0.87
26 05 19 16-0652		#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0653	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.21	0.87
26 05 19 16-0654	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.26	0.99
26 05 19 16-0655	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.53	1.24
26 05 19 16-0656		#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0657	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.21	1.24
26 05 19 16-0658	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.97	1.37
26 05 19 16-0659	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.75	1.49
26 05 19 16-0660		#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0567)*		
26 05 19 16-0661	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.73	2.50
26 05 19 16-0662	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	16.17	3.12
26 05 19 16-0663	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	19.82	4.11
26 05 19 16-0664		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0545)*		
26 05 19 16-0665		#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0664)*		
26 05 19 16-0666	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.48	0.50
26 05 19 16-0667	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.59	0.50
26 05 19 16-0668	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.81	0.50
26 05 19 16-0669		#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0664)*		
26 05 19 16-0670	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.55	0.50
26 05 19 16-0671	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.73	0.50
26 05 19 16-0672	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.81	0.50
26 05 19 16-0673		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0664)*		
26 05 19 16-0674	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.00	0.50
26 05 19 16-0675	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.74	0.50
26 05 19 16-0676	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.44	0.62
26 05 19 16-0677		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0545)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0678		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0677)*		
26 05 19 16-0679	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.95	0.50
26 05 19 16-0680	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.26	0.50
26 05 19 16-0681	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.58	0.50
26 05 19 16-0682		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0677)*		
26 05 19 16-0683	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.06	0.50
26 05 19 16-0684	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.37	0.50
26 05 19 16-0685	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.88	0.50
26 05 19 16-0686	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.11	0.62
26 05 19 16-0687		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0677)*		
26 05 19 16-0688	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.45	0.50
26 05 19 16-0689	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.86	0.50
26 05 19 16-0690	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.18	0.62
26 05 19 16-0691		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0677)*		
26 05 19 16-0692	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.84	0.50
26 05 19 16-0693	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.20	0.50
26 05 19 16-0694	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.55	0.62
26 05 19 16-0695		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0677)*		
26 05 19 16-0696	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.22	0.62
26 05 19 16-0697	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.55	0.62
26 05 19 16-0698	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.88	0.62
26 05 19 16-0699		Multi-Conductor Type SEOW Cord *(26 05 19 16-0544)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0700		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0699)*		
26 05 19 16-0701		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0700)*		
26 05 19 16-0702	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.56	0.50
26 05 19 16-0703	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.69	0.50
26 05 19 16-0704	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.40	0.62
26 05 19 16-0705		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0700)*		
26 05 19 16-0706	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.94	0.50
26 05 19 16-0707	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.18	0.50
26 05 19 16-0708	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.00	0.62
26 05 19 16-0709		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0700)*		
26 05 19 16-0710	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.33	0.50
26 05 19 16-0711	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.63	0.50
26 05 19 16-0712	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.25	0.62
26 05 19 16-0713		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0700)*		
26 05 19 16-0714	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.88	0.62
26 05 19 16-0715	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.25	0.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0716	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.47	0.62
26 05 19 16-0717		Multi-Conductor Type W Cord *(26 05 19 16-0544)*		
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0718		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0717)*		
26 05 19 16-0719		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0718)*		
26 05 19 16-0720	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.06	0.75
26 05 19 16-0721	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.34	0.87
26 05 19 16-0722	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.08	0.87
26 05 19 16-0723		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0718)*		
26 05 19 16-0724	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.38	0.87
26 05 19 16-0725	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.20	0.99
26 05 19 16-0726	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.45	1.24
26 05 19 16-0727		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0718)*		
26 05 19 16-0728	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.74	0.87
26 05 19 16-0729	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.77	0.99
26 05 19 16-0730	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.66	1.24
26 05 19 16-0731		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0543)*		
26 05 19 16-0732		Cord Grips *(26 05 19 16-0731)*		
26 05 19 16-0733	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	79.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.66*	
26 05 19 16-0734	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	79.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.66*	
26 05 19 16-0735		Cable Reels *(26 05 19 16-0731)*		
		Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0736	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	682.83	62.31
26 05 19 16-0737	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,882.16	62.31
26 05 19 16-0738	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,408.07	62.31
26 05 19 16-0739		Extension Cords For Cable Reel *(26 05 19 16-0731)*		
26 05 19 16-0740	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	207.13	
26 05 19 16-0741	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	294.59	
26 05 19 16-0742		Plugs And Connector Bodies *(26 05 19 16-0731)*		
		Note: Up to 277 volt		
26 05 19 16-0743		NEMA Twist-Lock Plugs *(26 05 19 16-0742)*		
26 05 19 16-0744	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	82.70	
26 05 19 16-0745	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	84.27	
26 05 19 16-0746	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	77.67	
26 05 19 16-0747	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	82.50	
26 05 19 16-0748	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	105.18	
26 05 19 16-0749	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	111.33	
26 05 19 16-0750	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	117.34	
26 05 19 16-0751	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	106.10	
26 05 19 16-0752	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	120.87	
26 05 19 16-0753	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	123.74	
26 05 19 16-0754	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	127.40	
26 05 19 16-0755		NEMA Twist-Lock Connector Bodies *(26 05 19 16-0742)*		
26 05 19 16-0756	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	87.14	
26 05 19 16-0757	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	92.70	
26 05 19 16-0758	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	81.00	
26 05 19 16-0759	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	106.10	
26 05 19 16-0760	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	122.31	
26 05 19 16-0761	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	130.15	
26 05 19 16-0762	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	156.55	
26 05 19 16-0763	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	149.89	
26 05 19 16-0764	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	182.96	
26 05 19 16-0765	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	191.71	
26 05 19 16-0766	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	182.17	
26 05 19 16-0767		Watertight Pin And Sleeve Plug *(26 05 19 16-0742)*		
26 05 19 16-0768	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	270.55	37.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0769	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	273.39	37.39
26 05 19 16-0770	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	295.43	37.39
26 05 19 16-0771	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	296.27	41.13
26 05 19 16-0772	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	291.99	41.13
26 05 19 16-0773	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	293.26	41.13
26 05 19 16-0774	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	411.64	45.99
26 05 19 16-0775	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	400.99	45.99
26 05 19 16-0776	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	446.74	45.99
26 05 19 16-0777	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	439.42	50.48
26 05 19 16-0778	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	420.92	50.48
26 05 19 16-0779	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	433.65	50.48
26 05 19 16-0780	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	559.06	59.82
26 05 19 16-0781	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	569.20	59.82
26 05 19 16-0782	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	545.15	59.82
26 05 19 16-0783	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	620.69	66.55
26 05 19 16-0784	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	604.90	66.55
26 05 19 16-0785	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	611.73	66.55
26 05 19 16-0786	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	766.50	74.78
26 05 19 16-0787	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	805.68	74.78
26 05 19 16-0788	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	786.38	82.26
26 05 19 16-0789	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	773.01	82.26
26 05 19 16-0790	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	780.23	82.26

26 05 19 16-0791 Watertight Pin And Sleeve Connector *(26 05 19 16-0742)*

26 05 19 16-0792	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	286.87	37.39
26 05 19 16-0793	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	288.84	37.39
26 05 19 16-0794	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	339.61	37.39
26 05 19 16-0795	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	337.41	41.13
26 05 19 16-0796	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	332.26	41.13
26 05 19 16-0797	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	336.92	41.13
26 05 19 16-0798	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	421.40	45.99
26 05 19 16-0799	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	421.29	45.99
26 05 19 16-0800	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	438.80	45.99
26 05 19 16-0801	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	434.67	50.48
26 05 19 16-0802	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	438.27	50.48
26 05 19 16-0803	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	434.47	50.48
26 05 19 16-0804	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	659.13	59.82
26 05 19 16-0805	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	637.68	59.82
26 05 19 16-0806	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	624.90	59.82
26 05 19 16-0807	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	680.25	66.55
26 05 19 16-0808	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	698.89	66.55
26 05 19 16-0809	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	700.26	66.55
26 05 19 16-0810	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	876.27	74.78
26 05 19 16-0811	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	900.87	74.78
26 05 19 16-0812	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	973.60	82.26
26 05 19 16-0813	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	939.81	82.26
26 05 19 16-0814	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	951.33	82.26

26 05 19 16-0815 Accessories *(26 05 19 16-0731)*

26 05 19 16-0816	EA	1/2" Straight Steel Cord Connector	63.19	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0817	EA	1/2" Straight Nylon Cord Connector	37.82	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 19 16-0818	EA	1/2" 90 Degree Steel Cord Connector	72.29	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 19 16-0819	EA	1/2" 90 Degree Nylon Cord Connector	45.48	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0820	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	71.34	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 19 16-0821	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	123.76	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 05 19 16-0822	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	44.75	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0823	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	75.77	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 19 16-0824	EA	3/4" Straight Steel Cord Connector	65.88	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0825	EA	3/4" Straight Nylon Cord Connector	39.18	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 19 16-0826	EA	3/4" 90 Degree Steel Cord Connector	80.70	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 19 16-0827	EA	3/4" 90 Degree Nylon Cord Connector	49.69	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0828	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	80.39	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.21*	
26 05 19 16-0829	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	95.64	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 05 19 16-0830	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	53.82	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0831	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	65.01	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 05 19 16-0832	EA	1" Straight Steel Cord Connector	83.16	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0833	EA	1" Straight Nylon Cord Connector	47.82	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 19 16-0834	EA	1" 90 Degree Steel Cord Connector	92.12	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 19 16-0835	EA	1" 90 Degree Nylon Cord Connector	55.40	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 19 16-0836	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	98.54	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.21*	
26 05 19 16-0837	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	107.62	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 05 19 16-0838	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	63.03	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 19 16-0839	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	72.80	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	487.40	145.18
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	554.94	152.92
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	600.99	161.69
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	717.07	168.52
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	751.42	176.49
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	825.93	183.83
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	890.77	191.17
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	966.10	198.80
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	1,038.32	204.78
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	527.87	145.18
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	627.15	152.92
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	715.55	161.69
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	764.37	168.52
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	846.42	176.49
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	869.55	183.83
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	957.34	191.17
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,125.82	198.80
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,235.32	204.78

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	602.63	238.08
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	779.87	238.08
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	958.07	286.79
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,284.97	286.79
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,696.72	346.31
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	2,618.10	346.31
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	3,016.91	416.65
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	3,534.34	416.65
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	4,906.95	524.88
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	6,026.80	524.88
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	6,423.34	698.03
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	8,198.17	698.03
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	8,244.58	806.26
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	11,030.25	806.26
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	15,005.18	995.64

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,074.90	324.67
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,159.69	324.67
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,473.11	324.67
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,685.91	562.75
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,254.13	562.75
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	3,150.79	562.75
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	3,791.46	984.82
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	4,609.05	984.82
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	5,376.36	984.82
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	6,372.10	984.82
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	7,487.79	1,287.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	9,012.10	1,287.83
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	10,467.42	1,287.83
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	12,322.82	2,002.10
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	16,003.69	2,002.10
26 05 26 00-0035		**Copper Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	602.63	238.08
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	779.87	238.08
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	958.07	286.79
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,284.97	286.79
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,696.72	346.31
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	2,618.10	346.31
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	3,534.34	416.65
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	6,423.34	551.93
26 05 26 00-0044		**Aluminum Bare Single Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	806.69	286.79
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	897.21	286.79
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,038.28	346.31
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,330.08	346.31
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,568.54	416.65
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,797.16	416.65
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,061.18	524.88
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,391.60	524.88
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	2,838.59	698.03
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,207.50	698.03
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	3,893.67	806.26
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	4,471.77	806.26
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	5,244.77	995.64
26 05 26 00-0058		**Aluminum Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	806.69	286.79
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	897.21	286.79
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,038.28	346.31
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,330.08	346.31
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,524.86	551.93
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,797.16	551.93
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,952.99	524.88
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,173.74	524.88
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	2,838.59	698.03
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,207.50	698.03
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	3,893.67	806.26
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	4,471.77	806.26
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	5,244.77	995.64
26 05 26 00-0072		**Aluminum Smooth Woven Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.97	0.86
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.29	0.95
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.91	1.08
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.93	1.11
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.13	1.16
26 05 26 00-0078		**Copper Flexible Braid Connector Jumper Strap** *(26 05 26 00-0001)* Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	142.88	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 05 26 00-0080	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	246.00	37.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 05 26 00-0081	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	314.55	37.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	382.16	37.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 05 26 00-0083	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	331.06	40.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.04*	
26 05 26 00-0084	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	429.68	40.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.04*	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	515.36	40.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.04*	
26 05 26 00-0086	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	430.61	51.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.85*	
26 05 26 00-0087	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	517.86	62.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 05 26 00-0088		**Bonding Jumper For Metallic Conduit** *(26 05 26 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	191.31	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.95*	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	235.69	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.93*	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	344.73	105.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.65*	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	509.00	105.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.24*	

26 05 26 00-0093 Ground Rods *(26 05 26)*

26 05 26 00-0094 Copper-Clad Ground Rods *(26 05 26 00-0093)*

26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	106.56	93.47
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	111.13	93.47
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	129.56	93.47
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	125.43	93.47
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	131.14	93.47
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	154.18	93.47

26 05 26 00-0101 Ground Access Wells *(26 05 26 00-0093)*

26 05 26 00-0102 Precast Ground Access Wells *(26 05 26 00-0101)*

26 05 26 00-0103	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	284.03
26 05 26 00-0104	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	294.23
26 05 26 00-0105	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	862.66
26 05 26 00-0106	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	872.86

26 05 26 00-0107 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0101)*

26 05 26 00-0108	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	562.98
26 05 26 00-0109	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	686.13
26 05 26 00-0110	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,512.25
26 05 26 00-0111	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	426.29
26 05 26 00-0112	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	516.14
26 05 26 00-0113	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,352.59
26 05 26 00-0114	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	244.31
26 05 26 00-0115	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	336.70
26 05 26 00-0116	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	401.28
26 05 26 00-0117	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	198.36
26 05 26 00-0118	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	310.28
26 05 26 00-0119	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	465.21
26 05 26 00-0120	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	642.60
26 05 26 00-0121	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	445.68
26 05 26 00-0122	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	479.50
26 05 26 00-0123	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	861.62
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	1,088.27
26 05 26 00-0125	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	477.98
26 05 26 00-0126	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	652.82
26 05 26 00-0127	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	645.04

26 05 26 00-0128 Polymer Concrete Ground Access Well *(26 05 26 00-0101)*

26 05 26 00-0129	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	543.60
26 05 26 00-0130	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	596.63
26 05 26 00-0131	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	599.18
26 05 26 00-0132	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	657.56
26 05 26 00-0133	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	656.92
26 05 26 00-0134	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	721.14
26 05 26 00-0135	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	877.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0136	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	965.23	
26 05 26 00-0137		**High Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0101)*		
26 05 26 00-0138	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	196.41	
26 05 26 00-0139	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	274.21	
26 05 26 00-0140		**Clay Tile Ground Access Wells** *(26 05 26 00-0101)*		
26 05 26 00-0141	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	310.72	
26 05 26 00-0142	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	326.99	
26 05 26 00-0143	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	99.87	
26 05 26 00-0144		**Copper Grounding Shaft** *(26 05 26 00-0093)*		
26 05 26 00-0145	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	319.88	93.47
26 05 26 00-0146	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	395.92	93.47
26 05 26 00-0147	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	603.64	93.47
26 05 26 00-0148		**Ground Rod Clamps And Fittings** *(26 05 26)*		
26 05 26 00-0149		**Bronze Ground Rod Clamp** *(26 05 26 00-0148)*		
26 05 26 00-0150	EA	1/2" Bronze Ground Rod Clamp	25.16	14.08
26 05 26 00-0151	EA	5/8" Bronze Ground Rod Clamp	26.31	14.08
26 05 26 00-0152	EA	3/4" Bronze Ground Rod Clamp	27.94	14.08
26 05 26 00-0153		**Bronze Pipe Clamps** *(26 05 26 00-0148)*		
26 05 26 00-0154	EA	1/2" To 1" Bronze Pipe Ground Clamps	33.33	23.43
26 05 26 00-0155	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	42.20	28.04
26 05 26 00-0156	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	61.69	32.78
26 05 26 00-0157	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	75.72	42.12
26 05 26 00-0158	EA	4" To 6" Bronze Ground Clamps For Pipe	115.46	60.82
26 05 26 00-0159		**Grounding Fittings** *(26 05 26 00-0148)*		
26 05 26 00-0160		**Embedded Fittings** *(26 05 26 00-0159)*		
26 05 26 00-0161	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	169.41	
26 05 26 00-0162	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	179.84	
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	198.35	
26 05 26 00-0164	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	164.85	
26 05 26 00-0165	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	197.52	
26 05 26 00-0166	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	231.70	
26 05 26 00-0167	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	261.15	
26 05 26 00-0168		**Ground Rod Receptacle** *(26 05 26 00-0159)*		
26 05 26 00-0169	EA	1/2" Ground Rod Receptacle	365.55	129.61
26 05 26 00-0170	EA	5/8" Ground Rod Receptacle	382.06	133.27
26 05 26 00-0171	EA	3/4" Ground Rod Receptacle	398.96	136.89
26 05 26 00-0172		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0159)*		
26 05 26 00-0173	EA	14-8 AWG Copper Ground Kit	81.96	31.16
26 05 26 00-0174	EA	12-8 AWG Aluminum Ground Kit	88.71	31.16
26 05 26 00-0175	EA	14-4 AWG Copper Ground Kit	90.73	31.16
26 05 26 00-0176	EA	12-4 AWG Aluminum Ground Kit	107.18	31.16
26 05 26 00-0177		**Insulated Grounding Bars** *(26 05 26 00-0148)*		
26 05 26 00-0178	EA	1/2" x 4" x 10" Insulated Ground Bar	341.26	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 05 26 00-0179	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	358.21	31.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 05 26 00-0180		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0181		**Ground Conductor Bonding** *(26 05 26 00-0180)*		
26 05 26 00-0182		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0181)*		
26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	144.50	
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	156.96	
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel. Note: Includes molds, materials and all necessary tools to make connections.	169.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	244.20	
26 05 26 00-0187		Tee, Wye Or Cross Cadweld *(26 05 26 00-0181)*		
26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	163.19	
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	188.11	
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	231.74	
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	281.58	
26 05 26 00-0192		Grounding Equipment *(26 05 26)*		
26 05 26 00-0193		Special Grounding Equipment *(26 05 26 00-0192)*		
26 05 26 00-0194		Ground Reels And Ground Bus *(26 05 26 00-0193)*		
26 05 26 00-0195	EA	Ground Reel With 50' Of Galvanized Steel Cable	791.73	
26 05 26 00-0196		Copper Bars *(26 05 26 00-0193)*		
26 05 26 00-0197	LF	1/4" x 2" Copper Bar	45.85	
26 05 26 00-0198		Phenolic Insulators *(26 05 26 00-0193)*		
26 05 26 00-0199	EA	2" x 2" x 1" Long Phenolic Insulators	32.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 26 00-0200		Grounding Studs *(26 05 26 00-0193)*		
26 05 26 00-0201	EA	Ball Grounding Stud	47.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.16*	
26 05 26 00-0202		Equipment Ground Bar Kits *(26 05 26 00-0193)*		
26 05 26 00-0203	EA	Switch Rating 30 Ground Bar Kit	36.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 26 00-0204	EA	Switch Rating 60 Ground Bar Kit	46.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 05 26 00-0205	EA	Switch Rating 100 Ground Bar Kit	54.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 26 00-0206	EA	Switch Rating 200 Ground Bar Kit	94.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 05 26 00-0207		Panelboard Ground Bar Kits *(26 05 26 00-0193)*		
26 05 26 00-0208	EA	Panelboard Ground Bar Kit	136.38	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 26 00-0209		Circuit Breaker Ground Bar Kits *(26 05 26 00-0193)*		
26 05 26 00-0210	EA	3 Circuit, Ground Bar Kit	30.48	5.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 26 00-0211	EA	4 Circuit, Ground Bar Kit	29.94	5.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 26 00-0212	EA	7 Circuit, Ground Bar Kit	30.84	5.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 26 00-0213	EA	12 Circuit, Ground Bar Kit	34.98	6.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.36*	
26 05 26 00-0214	EA	20 Circuit, Ground Bar Kit	39.83	7.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.10*	
26 05 26 00-0215	EA	24 Circuit, Ground Bar Kit	43.96	7.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.85*	
26 05 26 00-0216	EA	30 Circuit, Ground Bar Kit	49.14	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.97*	
26 05 26 00-0217	EA	54 Circuit, Ground Bar Kit	56.85	10.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.47*	
26 05 26 00-0218	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	62.28	7.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.85*	
26 05 26 00-0219	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	68.91	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.97*	
26 05 26 00-0220	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	76.81	10.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.47*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*
See CSI section 05 43 00 00-0001 for additional unistrut fittings.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0002		Metal Framing Channel *(26 05 29 00-0001)* Note: Excludes fasteners and accessories.		
26 05 29 00-0003		14 Gauge Metal Framing Channels *(26 05 29 00-0002)*		
26 05 29 00-0004		14 Gauge, Steel Unistrut Channel *(26 05 29 00-0003)*		
26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	22.03	6.83
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	24.70	6.83
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	11.22	2.57
26 05 29 00-0008		14 Gauge, 304 Stainless Steel Unistrut Channel *(26 05 29 00-0003)*		
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	44.87	6.83
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	50.18	6.83
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	70.38	6.83
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	81.00	6.83
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.06	2.58
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	39.37	2.58
26 05 29 00-0015		14 Gauge, 316 Stainless Steel Unistrut Channel *(26 05 29 00-0003)*		
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	67.80	6.83
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	116.24	6.83
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	56.99	2.58
26 05 29 00-0019		12 Gauge Metal Framing Channels *(26 05 29 00-0002)*		
26 05 29 00-0020		12 Gauge, Steel Unistrut Channel *(26 05 29 00-0019)*		
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	23.51	6.83
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	23.01	6.83
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	22.68	6.83
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	27.67	6.83
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	26.66	6.83
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	26.01	6.83
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	12.70	2.57
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	12.20	2.57
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.87	2.57
26 05 29 00-0030		12 Gauge, 304 Stainless Steel Unistrut Channel *(26 05 29 00-0019)*		
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	51.94	6.83
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	61.10	6.83
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	84.52	6.83
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	102.84	6.83
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	41.13	2.57
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	50.29	2.57
26 05 29 00-0037		Metal Framing Channel Fittings *(26 05 29 00-0001)*		
26 05 29 00-0038		Unistrut Channel Closure Strips And Caps *(26 05 29 00-0037)*		
26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0038)*		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	6.31	0.62
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings	8.24	3.12
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0038)*		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	26.20	6.24
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0044)*		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	6.38	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	6.34	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.65	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0044)*		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	24.82	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	37.28	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	47.82	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0053)*		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.19	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.23	

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26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	8.81	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	8.69	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0053)*		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.90	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	17.55	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.78	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.29	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	19.40	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	36.41	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	20.43	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	29.96	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	12.47	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0071)*		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	4.60	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.09	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0071)*		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	29.74	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	12.79	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0077)*		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	58.54	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0037)* Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.15	1.88
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.17	1.88
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.28	1.88
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.69	2.50
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.26	2.50
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.32	2.50
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.98	3.12
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.49	3.12
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.98	3.12
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.16	3.12
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.43	1.88
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.81	1.88
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.20	1.88
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.28	2.50
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.14	2.50
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.16	2.50
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	25.30	3.12
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	28.74	3.12
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	30.21	3.12
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	35.66	3.12
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0082)* Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.27	1.88
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.24	1.88
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.80	1.88

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26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.55	2.50
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.31	2.50
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.65	2.50
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.91	3.12
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	29.65	3.12
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	42.09	3.12
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	49.70	3.12
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	37.59	11.39
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	26.19	11.39
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	36.44	11.39
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0116)*		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	63.92	11.39
26 05 29 00-0123		Square Washers For Unistrut Channel *(26 05 29 00-0037)*		
26 05 29 00-0124		Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0125	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	4.54	
26 05 29 00-0126		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0123)*		
26 05 29 00-0127	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	6.65	
26 05 29 00-0128	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	8.55	
26 05 29 00-0129		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0130	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	34.61	
26 05 29 00-0131		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0037)*		
26 05 29 00-0132	EA	Steel Trolley Track Hanger For Unistrut Channel	43.11	
26 05 29 00-0133		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0037)* Note: Includes hex bolt.		
26 05 29 00-0134		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)* Note: Includes hex bolt.		
26 05 29 00-0135	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.20	
26 05 29 00-0136	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	8.90	
26 05 29 00-0137	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	9.42	
26 05 29 00-0138	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	12.24	
26 05 29 00-0139		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0133)* Note: Includes hex bolt.		
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.70	
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.00	
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	28.89	
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	50.42	
26 05 29 00-0144		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0037)* Note: Includes hex bolt.		
26 05 29 00-0145		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)* Note: Includes hex bolt.		
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.22	
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.00	
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.46	
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	13.05	
26 05 29 00-0150		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0144)* Note: Includes hex bolt.		
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.00	
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.97	
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	17.53	
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	49.08	
26 05 29 00-0155		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0156		Galvanized Steel Mounting Assemblies *(26 05 29 00-0155)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0157		**Galvanized Steel Back Plate** *(26 05 29 00-0156)*		
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	558.00	74.78
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	136.72	24.92
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	346.33	62.31
26 05 29 00-0161		**Aluminum Mounting Assemblies** *(26 05 29 00-0155)*		
26 05 29 00-0162		**Aluminum Back Plate** *(26 05 29 00-0161)*		
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate	466.20	93.47
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate	1,340.47	93.47
26 05 29 00-0165		**Supports** *(26 05 29)*		
26 05 29 00-0166		**One Hole Steel Conduit Straps** *(26 05 29 00-0165)*		
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap	4.53	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap	4.58	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap	4.84	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.28*	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap	5.04	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap	5.17	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap	5.96	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.39*	
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap	6.77	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap	7.04	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap	8.37	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0176	EA	4", One Hole Steel Conduit Strap	9.43	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.74*	
26 05 29 00-0177		One Hole Iron Conduit Straps *(26 05 29 00-0165)*		
26 05 29 00-0178	EA	1/2", One Hole Iron Conduit Strap	4.66	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0179	EA	3/4", One Hole Iron Conduit Strap	4.79	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.28*	
26 05 29 00-0180	EA	1", One Hole Iron Conduit Strap	5.01	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0181	EA	1-1/4", One Hole Iron Conduit Strap	5.57	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0182	EA	1-1/2", One Hole Iron Conduit Strap	5.79	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0183	EA	2", One Hole Iron Conduit Strap	7.19	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.52*	
26 05 29 00-0184	EA	2-1/2", One Hole Iron Conduit Strap	10.20	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.82*	
26 05 29 00-0185	EA	3", One Hole Iron Conduit Strap	12.71	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.07*	
26 05 29 00-0186	EA	3-1/2", One Hole Iron Conduit Strap	16.38	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.44*	
26 05 29 00-0187	EA	4", One Hole Iron Conduit Strap	31.08	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.91*	
26 05 29 00-0188	EA	5", One Hole Iron Conduit Strap	38.98	
		For Work In Restricted Working Space, Add	*1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.42*	
		For >500, Deduct	*-4.70*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0189		Two Hole Steel Conduit Straps *(26 05 29 00-0165)*		
26 05 29 00-0190	EA	1/2", Two Hole Steel Conduit Strap	5.26	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0191	EA	3/4", Two Hole Steel Conduit Strap	5.35	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.43*	
26 05 29 00-0192	EA	1", Two Hole Steel Conduit Strap	5.39	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.44*	
26 05 29 00-0193	EA	1-1/4", Two Hole Steel Conduit Strap	5.45	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.44*	
26 05 29 00-0194	EA	1-1/2", Two Hole Steel Conduit Strap	5.50	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0195	EA	2", Two Hole Steel Conduit Strap	5.61	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.46*	
26 05 29 00-0196	EA	2-1/2", Two Hole Steel Conduit Strap	6.21	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.52*	
26 05 29 00-0197	EA	3", Two Hole Steel Conduit Strap	6.34	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0198	EA	3-1/2", Two Hole Steel Conduit Strap	6.82	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.58*	
26 05 29 00-0199	EA	4", Two Hole Steel Conduit Strap	7.14	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.61*	
26 05 29 00-0200	EA	5", Two Hole Steel Conduit Strap	7.57	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.32*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0201		Clamp Back Spacers *(26 05 29 00-0165)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0202	EA	1/2" Conduit, Clamp Back Spacer	4.09	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0203	EA	3/4" Conduit, Clamp Back Spacer	4.40	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.06*	
26 05 29 00-0204	EA	1" Conduit, Clamp Back Spacer	4.68	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0205	EA	1-1/4" Conduit, Clamp Back Spacer	5.79	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.20*	
26 05 29 00-0206	EA	1-1/2" Conduit, Clamp Back Spacer	6.68	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.29*	
26 05 29 00-0207	EA	2" Conduit, Clamp Back Spacer	7.62	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.39*	
26 05 29 00-0208	EA	2-1/2" Conduit, Clamp Back Spacer	11.42	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.77*	
26 05 29 00-0209	EA	3" Conduit, Clamp Back Spacer	15.97	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-2.22*	
26 05 29 00-0210	EA	3-1/2" Conduit, Clamp Back Spacer	20.39	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.66*	
26 05 29 00-0211	EA	4" Conduit, Clamp Back Spacer	41.12	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.74*	
26 05 29 00-0212	EA	5" Conduit, Clamp Back Spacer	76.12	
		For Work In Restricted Working Space, Add	*0.94*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.88*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.96*	
		For >250 To 500, Deduct	*-6.10*	
		For >500, Deduct	*-8.24*	

26 05 29 00-0213 Conduit Clips *(26 05 29 00-0165)*

Note: Push in or clip.

26 05 29 00-0214	EA	1/2" Conduit Clip	5.16	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0215	EA	3/4" Conduit Clip	5.16	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.31*	
26 05 29 00-0216	EA	1" Conduit Clip	5.06	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0217	EA	1-1/4" Conduit Clip	5.29	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	

26 05 29 00-0218 Bolt And Nut Conduit Clips *(26 05 29 00-0165)*

26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.39	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.35*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.64*	
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	6.62	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.35*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	7.06	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.43*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.77*	
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	7.19	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.43*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.78*	
26 05 29 00-0223	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	8.05	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.43*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.87*	
26 05 29 00-0224	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	8.73	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.50*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-2.00*	
26 05 29 00-0225	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	9.49	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.50*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.07*	
26 05 29 00-0226	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	17.31	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.98*	

26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0165)*

Note: Bat wing.

26 05 29 00-0228	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.72	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.85*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0229	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	3.78	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.85*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.98*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0230	EA	1", Conduit Hanger From Flange, Wire Or Rod	3.95	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.85*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0231	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.38	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.85*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0232		**Beam Flange Clamps** *(26 05 29 00-0165)*		
		Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.54	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0234	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.43	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0235	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.09	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0236		**T-Bar Support Clips** *(26 05 29 00-0165)*		
26 05 29 00-0237	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	9.16	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.16*	
26 05 29 00-0238	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	8.64	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.11*	
26 05 29 00-0239	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.35	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0240	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	28.33	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-3.33*	
26 05 29 00-0241		**Switch And Outlet Box Type Supports** *(26 05 29 00-0165)*		
26 05 29 00-0242	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	6.91	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.19*	
26 05 29 00-0243	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	5.82	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.76	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.27	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.47	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0247		**Lighting Fixture Hanger** *(26 05 29 00-0165)* Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.04	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.60*	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.16	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.21*	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	30.62	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-4.06*	
26 05 29 00-0251		**Rigid Steel Conduit Clamps For Unistrut Channel** *(26 05 29 00-0165)*		
26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.15	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.17	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0254	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.28	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0255	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.68	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 29 00-0256	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.25	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 29 00-0257	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.31	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 29 00-0258	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.97	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*1.87*	
26 05 29 00-0259	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.48	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*1.87*	
26 05 29 00-0260	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.97	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*1.87*	
26 05 29 00-0261	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.15	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*1.87*	
26 05 29 00-0262		**Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel** *(26 05 29 00-0165)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0263	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.52	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0264	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.48	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0265	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.42	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0266	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.13	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 29 00-0267	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.13	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 29 00-0268	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.19	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 29 00-0269		"J" Type Conduit Hangers *(26 05 29 00-0165)*		
26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	26.51	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-4.40*	
		For Work In Restricted Working Space, Add	*2.62*	
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	26.82	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-3.10*	
		For >500, Deduct	*-4.43*	
		For Work In Restricted Working Space, Add	*2.62*	
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	28.34	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.37*	
		For >500, Deduct	*-4.83*	
		For Work In Restricted Working Space, Add	*2.99*	
26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	28.68	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.86*	
		For Work In Restricted Working Space, Add	*2.99*	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	30.14	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.66*	
		For >500, Deduct	*-5.26*	
		For Work In Restricted Working Space, Add	*3.36*	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	31.40	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.38*	
		For Work In Restricted Working Space, Add	*3.36*	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	50.70	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-5.36*	
		For >500, Deduct	*-7.56*	
		For Work In Restricted Working Space, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	53.85	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.75*	
		For >500, Deduct	*-8.13*	
		For Work In Restricted Working Space, Add	*4.11*	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	57.95	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.79*	
		For Work In Restricted Working Space, Add	*4.49*	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	77.52	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-7.68*	
		For >500, Deduct	*-10.74*	
		For Work In Restricted Working Space, Add	*4.49*	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	85.20	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.07*	
		For >250 To 500, Deduct	*-8.42*	
		For >500, Deduct	*-11.76*	
		For Work In Restricted Working Space, Add	*4.86*	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	120.49	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-6.96*	
		For >250 To 500, Deduct	*-11.37*	
		For >500, Deduct	*-15.79*	
		For Work In Restricted Working Space, Add	*5.61*	

26 05 29 00-0282 Between Studs Box Brackets *(26 05 29 00-0165)*

26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.50	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.50	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.90*	
		For Work In Restricted Working Space, Add	*1.12*	

26 05 29 00-0285 Hangers And Brackets *(26 05 29 00-0165)*

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.25	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.14	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.14	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.34	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.36	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.23	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.34	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.36	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0294		**Clips And Accessories** *(26 05 29 00-0165)*		
26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.21	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.53*	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.26	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.44	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.55*	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.81	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0299		**Wire Ties** *(26 05 29 00-0165)*		
		Note: Per hundred (C).		
26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties	31.73	
		For Up To 0.1, Add	*26.01*	
		For >0.1 To 0.25, Add	*13.01*	
		For >0.25 To 0.75, Add	*6.50*	
		For >2.0, Deduct	*-2.60*	
		For UV Black, Add	*0.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties	31.95	
		For Up To 0.1, Add	*26.01*	
		For >0.1 To 0.25, Add	*13.01*	
		For >0.25 To 0.75, Add	*6.50*	
		For >2.0, Deduct	*-2.60*	
		For UV Black, Add	*0.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	32.11	
		For Up To 0.1, Add	*26.01*	
		For >0.1 To 0.25, Add	*13.01*	
		For >0.25 To 0.75, Add	*6.50*	
		For >2.0, Deduct	*-2.60*	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 29 00-0303	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	32.17	
		For Up To 0.1, Add	*26.01*	
		For >0.1 To 0.25, Add	*13.01*	
		For >0.25 To 0.75, Add	*6.50*	
		For >2.0, Deduct	*-2.60*	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	
26 05 29 00-0304	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	33.36	
		For Up To 0.1, Add	*27.13*	
		For >0.1 To 0.25, Add	*13.57*	
		For >0.25 To 0.75, Add	*6.78*	
		For >2.0, Deduct	*-2.71*	
		For UV Black, Add	*0.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.14*	
26 05 29 00-0305	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties	39.43	
		For Up To 0.1, Add	*28.37*	
		For >0.1 To 0.25, Add	*14.19*	
		For >0.25 To 0.75, Add	*7.09*	
		For >2.0, Deduct	*-2.84*	
		For UV Black, Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 29 00-0306	C	4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	37.87	
		For Up To 0.1, Add	*26.01*	
		For >0.1 To 0.25, Add	*13.01*	
		For >0.25 To 0.75, Add	*6.50*	
		For >2.0, Deduct	*-2.60*	
		For UV Black, Add	*1.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0307	C	6" Length, 40 LB Tensile Strength, Nylon Cable Ties	39.08	
		For Up To 0.1, Add	*27.13*	
		For >0.1 To 0.25, Add	*13.57*	
		For >0.25 To 0.75, Add	*6.78*	
		For >2.0, Deduct	*-2.71*	
		For UV Black, Add	*1.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.14*	
26 05 29 00-0308	C	8" Length, 40 LB Tensile Strength, Nylon Cable Ties	40.38	
		For Up To 0.1, Add	*28.37*	
		For >0.1 To 0.25, Add	*14.19*	
		For >0.25 To 0.75, Add	*7.09*	
		For >2.0, Deduct	*-2.84*	
		For UV Black, Add	*1.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 29 00-0309	C	10" Length, 40 LB Tensile Strength, Nylon Cable Ties	58.30	
		For Up To 0.1, Add	*30.59*	
		For >0.1 To 0.25, Add	*15.30*	
		For >0.25 To 0.75, Add	*7.65*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*4.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 29 00-0310	C	11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	60.80	
		For Up To 0.1, Add	*30.59*	
		For >0.1 To 0.25, Add	*15.30*	
		For >0.25 To 0.75, Add	*7.65*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*4.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 29 00-0311	C	7" Length, 50 LB Tensile Strength, Nylon Cable Ties	42.13	
		For Up To 0.1, Add	*28.37*	
		For >0.1 To 0.25, Add	*14.19*	
		For >0.25 To 0.75, Add	*7.09*	
		For >2.0, Deduct	*-2.84*	
		For UV Black, Add	*2.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 29 00-0312	C	8" Length, 50 LB Tensile Strength, Nylon Cable Ties	39.92	
		For Up To 0.1, Add	*28.37*	
		For >0.1 To 0.25, Add	*14.19*	
		For >0.25 To 0.75, Add	*7.09*	
		For >2.0, Deduct	*-2.84*	
		For UV Black, Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 29 00-0313	C	11" Length, 50 LB Tensile Strength, Nylon Cable Ties	58.98	
		For Up To 0.1, Add	*30.59*	
		For >0.1 To 0.25, Add	*15.30*	
		For >0.25 To 0.75, Add	*7.65*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*4.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 29 00-0314	C	14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	67.42	
		For Up To 0.1, Add	*32.51*	
		For >0.1 To 0.25, Add	*16.26*	
		For >0.25 To 0.75, Add	*8.13*	
		For >2.0, Deduct	*-3.25*	
		For UV Black, Add	*5.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.75*	
26 05 29 00-0315	C	8" Length, 120 LB Tensile Strength, Nylon Cable Ties	65.83	
		For Up To 0.1, Add	*28.37*	
		For >0.1 To 0.25, Add	*14.19*	
		For >0.25 To 0.75, Add	*7.09*	
		For >2.0, Deduct	*-2.84*	
		For UV Black, Add	*5.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	72.06	
		For Up To 0.1, Add	*30.59*	
		For >0.1 To 0.25, Add	*15.30*	
		For >0.25 To 0.75, Add	*7.65*	
		For >2.0, Deduct	*-3.06*	
		For UV Black, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	87.06	
		For Up To 0.1, Add	*32.51*	
		For >0.1 To 0.25, Add	*16.26*	
		For >0.25 To 0.75, Add	*8.13*	
		For >2.0, Deduct	*-3.25*	
		For UV Black, Add	*8.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.75*	
26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	124.04	
		For Up To 0.1, Add	*34.67*	
		For >0.1 To 0.25, Add	*17.34*	
		For >0.25 To 0.75, Add	*8.67*	
		For >2.0, Deduct	*-3.47*	
		For UV Black, Add	*13.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0319		C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	120.23	
			For Up To 0.1, Add	*34.67*	
			For >0.1 To 0.25, Add	*17.34*	
			For >0.25 To 0.75, Add	*8.67*	
			For >2.0, Deduct	*-3.47*	
			For UV Black, Add	*12.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.40*	
26 05 29 00-0320		C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	146.23	
			For Up To 0.1, Add	*36.29*	
			For >0.1 To 0.25, Add	*18.15*	
			For >0.25 To 0.75, Add	*9.07*	
			For >2.0, Deduct	*-3.63*	
			For UV Black, Add	*16.49*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	
26 05 29 00-0321		C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	169.09	
			For Up To 0.1, Add	*38.05*	
			For >0.1 To 0.25, Add	*19.03*	
			For >0.25 To 0.75, Add	*9.51*	
			For >2.0, Deduct	*-3.81*	
			For UV Black, Add	*19.66*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.42*	
26 05 29 00-0322		C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	231.46	
			For Up To 0.1, Add	*41.06*	
			For >0.1 To 0.25, Add	*20.53*	
			For >0.25 To 0.75, Add	*10.27*	
			For >2.0, Deduct	*-4.11*	
			For UV Black, Add	*28.56*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.32*	
26 05 29 00-0323		C	3/4" x 3/4" Self Adhesive Tie Mounts	41.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.70*	
26 05 29 00-0324		C	1.1" x 1.1" Tie Mounts With Screw	82.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.40*	
26 05 29 00-0325		EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.19*	
26 05 29 00-0326		EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0327		EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	2.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0328		EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0329		EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	107.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.17*	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0331 Toggle Bolts *(26 05 29 00-0330)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332		EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.73	
			For >50 To 100, Deduct	*-0.93*	
			For >100 To 250, Deduct	*-1.85*	
			For >250 To 500, Deduct	*-3.24*	
			For >500, Deduct	*-4.62*	
26 05 29 00-0333		EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.99	
			For >50 To 100, Deduct	*-0.95*	
			For >100 To 250, Deduct	*-1.90*	
			For >250 To 500, Deduct	*-3.32*	
			For >500, Deduct	*-4.73*	
26 05 29 00-0334		EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.55	
			For >50 To 100, Deduct	*-0.98*	
			For >100 To 250, Deduct	*-1.96*	
			For >250 To 500, Deduct	*-3.42*	
			For >500, Deduct	*-4.88*	
26 05 29 00-0335		EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.82	
			For >50 To 100, Deduct	*-1.00*	
			For >100 To 250, Deduct	*-2.01*	
			For >250 To 500, Deduct	*-3.50*	
			For >500, Deduct	*-5.00*	
26 05 29 00-0336		EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.07	
			For >50 To 100, Deduct	*-1.03*	
			For >100 To 250, Deduct	*-2.06*	
			For >250 To 500, Deduct	*-3.59*	
			For >500, Deduct	*-5.12*	
26 05 29 00-0337		EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.62	
			For >50 To 100, Deduct	*-1.08*	
			For >100 To 250, Deduct	*-2.17*	
			For >250 To 500, Deduct	*-3.77*	
			For >500, Deduct	*-5.36*	
26 05 29 00-0338		EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.15	
			For >50 To 100, Deduct	*-1.11*	
			For >100 To 250, Deduct	*-2.23*	
			For >250 To 500, Deduct	*-3.87*	
			For >500, Deduct	*-5.51*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 29 00-0339 Machine Screws *(26 05 29 00-0330)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0340	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.87	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.40*	
26 05 29 00-0341	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.92	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.40*	
26 05 29 00-0342	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.66	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.75*	
26 05 29 00-0343	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.84	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.77*	
26 05 29 00-0344	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.75	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.14*	

26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0330)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.77	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.87*	
26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.70	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.86*	
26 05 29 00-0348	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.73	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-2.33*	
26 05 29 00-0349	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.61	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.79*	

26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0330)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0351	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.55	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.46*	
26 05 29 00-0352	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.61	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.47*	
26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.29	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.67*	

26 05 29 00-0354 Hollow Wall Screw Anchors *(26 05 29 00-0330)*

26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.09	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.16	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.88*	
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.26	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.88	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.06*	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.03	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.07	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.10	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.08*	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.32	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.40	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.11*	
26 05 29 00-0364		Lead Screw Anchors *(26 05 29 00-0330)*		
		Note: Includes screw.		
26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.80	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.18*	
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.73	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.54*	
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.79	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.28*	
26 05 29 00-0368		Nailing Anchor Hilti HPS Impact Anchor Or Equal *(26 05 29 00-0330)*		
26 05 29 00-0369	EA	1/4" x 1" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	1.75	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0370	EA	1/4" x 1-3/4" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	3.01	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0371	EA	1/4" x 2-1/8" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	4.27	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.81*	
26 05 29 00-0372		Acoustical T-Bar Clips *(26 05 29 00-0330)*		
		Note: For conduit installation above suspended ceilings up to 15' height.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 29 00-0373	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	7.50	
			For >50 To 100, Deduct	*-0.59*	
			For >100 To 250, Deduct	*-1.17*	
			For >250 To 500, Deduct	*-2.02*	
			For >500, Deduct	*-2.87*	
	26 05 29 00-0374	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	7.86	
			For >50 To 100, Deduct	*-0.62*	
			For >100 To 250, Deduct	*-1.23*	
			For >250 To 500, Deduct	*-2.12*	
			For >500, Deduct	*-3.02*	
	26 05 29 00-0375	EA	1" Conduit, Push-In Acoustical T-Bar Clip	8.54	
			For >50 To 100, Deduct	*-0.66*	
			For >100 To 250, Deduct	*-1.31*	
			For >250 To 500, Deduct	*-2.26*	
			For >500, Deduct	*-3.21*	
	26 05 29 00-0376		Threaded Rod, Accessories And Attachments *(26 05 29)*		
	26 05 29 00-0377		Threaded Rod And Rod Accessories *(26 05 29 00-0376)*		
	26 05 29 00-0378		Carbon Steel Threaded Rod *(26 05 29 00-0377)*		
			Note: Includes plain finish.		
	26 05 29 00-0379	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.27	0.78
			For Galvanized, Add	*1.48*	
			For Zinc Coated, Add	*1.06*	
	26 05 29 00-0380	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.56	0.83
			For Galvanized, Add	*2.36*	
			For Zinc Coated, Add	*1.68*	
	26 05 29 00-0381	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.87	0.86
			For Galvanized, Add	*3.66*	
			For Zinc Coated, Add	*2.60*	
	26 05 29 00-0382	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.38	0.88
			For Galvanized, Add	*6.64*	
			For Zinc Coated, Add	*4.73*	
	26 05 29 00-0383	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	20.08	0.91
			For Galvanized, Add	*7.30*	
			For Zinc Coated, Add	*5.20*	
	26 05 29 00-0384	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.69	1.03
			For Galvanized, Add	*10.24*	
			For Zinc Coated, Add	*7.30*	
	26 05 29 00-0385	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.61	1.15
			For Galvanized, Add	*12.92*	
			For Zinc Coated, Add	*9.21*	
	26 05 29 00-0386		Threaded Rod Couplings *(26 05 29 00-0377)*		
	26 05 29 00-0387	EA	3/8" Diameter, Threaded Rod Coupling Nut	10.13	
	26 05 29 00-0388	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.50	
	26 05 29 00-0389	EA	5/8" Diameter, Threaded Rod Coupling Nut	14.41	
	26 05 29 00-0390	EA	3/4" Diameter, Threaded Rod Coupling Nut	17.63	
	26 05 29 00-0391	EA	7/8" Diameter, Threaded Rod Coupling Nut	26.03	
	26 05 29 00-0392	EA	1" Diameter, Threaded Rod Coupling Nut	30.86	
	26 05 29 00-0393	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	59.52	
	26 05 29 00-0394		Flat Washers *(26 05 29 00-0377)*		
	26 05 29 00-0395	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87	0.31
			For Galvanized, Add	*0.04*	
	26 05 29 00-0396	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.12	0.31
			For Galvanized, Add	*0.09*	
	26 05 29 00-0397	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	0.31
			For Galvanized, Add	*0.17*	
	26 05 29 00-0398	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.81	0.62
			For Galvanized, Add	*0.24*	
	26 05 29 00-0399	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.04	0.62
			For Galvanized, Add	*0.28*	
	26 05 29 00-0400	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.43	0.62
			For Galvanized, Add	*0.35*	
	26 05 29 00-0401	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.72	0.62
			For Galvanized, Add	*0.39*	
	26 05 29 00-0402		Malleable Iron Eye Sockets *(26 05 29 00-0377)*		
			Note: Type 16.		
	26 05 29 00-0403	EA	3/8" Rod Size, Malleable Iron Eye Socket	11.68	
	26 05 29 00-0404	EA	1/2" Rod Size, Malleable Iron Eye Socket	13.96	
	26 05 29 00-0405	EA	5/8" Rod Size, Malleable Iron Eye Socket	24.33	
	26 05 29 00-0406	EA	3/4" Rod Size, Malleable Iron Eye Socket	34.70	
	26 05 29 00-0407	EA	7/8" Rod Size, Malleable Iron Eye Socket	36.96	
	26 05 29 00-0408		Hex Nuts *(26 05 29 00-0377)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0409	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.31
		For Galvanized, Add	*0.03*	
26 05 29 00-0410	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.31
		For Galvanized, Add	*0.07*	
26 05 29 00-0411	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.48	0.31
		For Galvanized, Add	*0.17*	
26 05 29 00-0412	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.75	0.62
		For Galvanized, Add	*0.22*	
26 05 29 00-0413	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.59	0.62
		For Galvanized, Add	*0.42*	
26 05 29 00-0414	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.31	0.62
		For Galvanized, Add	*0.57*	
26 05 29 00-0415	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.45	0.62
		For Galvanized, Add	*1.08*	
26 05 29 00-0416		**Forged Steel Turnbuckles** *(26 05 29 00-0377)*		
		Note: Type 13.		
26 05 29 00-0417	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	28.65	
26 05 29 00-0418	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	35.34	
26 05 29 00-0419	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	47.23	
26 05 29 00-0420	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	58.41	
26 05 29 00-0421	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	143.07	
26 05 29 00-0422	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	95.55	
26 05 29 00-0423	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	191.56	
26 05 29 00-0424		**Attachments** *(26 05 29 00-0376)*		
26 05 29 00-0425		**Welded Beam Attachments** *(26 05 29 00-0424)*		
		Note: Type 22.		
26 05 29 00-0426	EA	3/8" Rod Size, Welded Beam Attachment	52.66	12.47
26 05 29 00-0427	EA	1/2" Rod Size, Welded Beam Attachment	56.15	13.09
26 05 29 00-0428	EA	5/8" Rod Size, Welded Beam Attachment	59.77	13.83
26 05 29 00-0429	EA	3/4" Rod Size, Welded Beam Attachment	75.76	14.70
26 05 29 00-0430	EA	7/8" Rod Size, Welded Beam Attachment	90.59	15.57
26 05 29 00-0431	EA	1" Rod Size, Welded Beam Attachment	126.35	17.82
26 05 29 00-0432	EA	1-1/8" Rod Size, Welded Beam Attachment	177.88	18.69
26 05 29 00-0433		**C-Clamp Style Beam Clamps** *(26 05 29 00-0424)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0434	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	18.99	9.37
26 05 29 00-0435	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	22.51	9.99
26 05 29 00-0436	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	25.48	10.70
26 05 29 00-0437	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	32.45	11.52
26 05 29 00-0438	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	46.55	12.49
26 05 29 00-0439		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0424)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0440	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	50.59	12.49
26 05 29 00-0441	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	73.72	13.62
26 05 29 00-0442	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	104.75	14.98
26 05 29 00-0443	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	125.22	16.64
26 05 29 00-0444	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	300.37	18.72
26 05 29 00-0445		**Steel U-Bolts** *(26 05 29 00-0424)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0446	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	15.47	7.49
26 05 29 00-0447	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	16.75	7.88
26 05 29 00-0448	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	18.00	8.32
26 05 29 00-0449	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	20.38	8.81
26 05 29 00-0450	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	21.08	9.37
26 05 29 00-0451	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	22.56	9.99
26 05 29 00-0452	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	32.02	10.70
26 05 29 00-0453	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	35.25	11.52
26 05 29 00-0454	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	42.41	12.49
26 05 29 00-0455		**Stainless Steel Threaded Rod** *(26 05 29 00-0376)*		
26 05 29 00-0456	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.19	0.62
		For 316 Stainless Steel, Add	*1.19*	
26 05 29 00-0457	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.42	0.68
		For 316 Stainless Steel, Add	*2.04*	
26 05 29 00-0458	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.29	0.78
		For 316 Stainless Steel, Add	*2.73*	
26 05 29 00-0459	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.62	0.80
		For 316 Stainless Steel, Add	*4.05*	
26 05 29 00-0460	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.99	0.83
		For 316 Stainless Steel, Add	*4.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0461	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.13	0.84
		For 316 Stainless Steel, Add	*7.87*	
26 05 29 00-0462	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.70	0.86
		For 316 Stainless Steel, Add	*11.33*	
26 05 29 00-0463	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.97	0.88
		For 316 Stainless Steel, Add	*15.87*	
26 05 29 00-0464	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.68	1.03
		For 316 Stainless Steel, Add	*20.49*	
26 05 29 00-0465	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	111.85	1.24
		For 316 Stainless Steel, Add	*44.25*	

26 05 29 00-0466 Polyvinyl Chloride (PVC) Coated Supports *(26 05 29)*

Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.

26 05 29 00-0467 Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0466)*

26 05 29 00-0468 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0467)*

26 05 29 00-0469	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.75	24.92
26 05 29 00-0470	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.63	27.17
26 05 29 00-0471	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.50	29.91
26 05 29 00-0472	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.33	33.27
26 05 29 00-0473	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.04	37.39
26 05 29 00-0474	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.67	41.13
26 05 29 00-0475	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	142.91	44.87
26 05 29 00-0476	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	157.43	48.60
26 05 29 00-0477	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	166.19	52.34
26 05 29 00-0478	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	179.66	56.08

26 05 29 00-0479 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0467)*

26 05 29 00-0480	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.82	24.92
26 05 29 00-0481	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.06	27.17
26 05 29 00-0482	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	88.77	29.91
26 05 29 00-0483	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.99	33.27
26 05 29 00-0484	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	110.46	37.39
26 05 29 00-0485	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	128.26	41.13
26 05 29 00-0486	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	147.49	44.87
26 05 29 00-0487	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	163.49	48.60
26 05 29 00-0488	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	173.82	52.34
26 05 29 00-0489	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	180.68	56.08

26 05 29 00-0490 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0467)*

26 05 29 00-0491	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	68.71	24.67
26 05 29 00-0492	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.86	26.92
26 05 29 00-0493	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.66	29.91
26 05 29 00-0494	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.29	32.90
26 05 29 00-0495	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	128.39	37.39
26 05 29 00-0496	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	140.77	41.13

26 05 29 00-0497 Polyvinyl Chloride (PVC) Coated Conduit Straps *(26 05 29 00-0466)*

26 05 29 00-0498 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0497)*

26 05 29 00-0499	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.44	0.75
26 05 29 00-0500	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.18	0.75
26 05 29 00-0501	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	13.51	0.75
26 05 29 00-0502	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.43	0.75
26 05 29 00-0503	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.64	0.75
26 05 29 00-0504	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.52	0.75
26 05 29 00-0505	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	43.32	0.75
26 05 29 00-0506	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	58.05	0.75
26 05 29 00-0507	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	102.76	0.75
26 05 29 00-0508	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	109.21	0.75

26 05 29 00-0509 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0497)*

26 05 29 00-0510	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.67	1.49
26 05 29 00-0511	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.74	1.49
26 05 29 00-0512	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.18	1.49
26 05 29 00-0513	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.63	1.49
26 05 29 00-0514	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.24	1.49
26 05 29 00-0515	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.53	1.49
26 05 29 00-0516	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.71	1.49
26 05 29 00-0517	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.03	1.49
26 05 29 00-0518	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.07	1.49
26 05 29 00-0519	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	34.80	1.49

26 05 29 00-0520 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0466)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0521		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0520)*		
26 05 29 00-0522	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.11	1.49
26 05 29 00-0523	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	17.59	1.49
26 05 29 00-0524	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	22.14	1.49
26 05 29 00-0525	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	25.92	1.49
26 05 29 00-0526	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	34.73	1.49
26 05 29 00-0527	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	60.52	1.49
26 05 29 00-0528	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	85.40	1.49
26 05 29 00-0529	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	116.66	1.49
26 05 29 00-0530	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	204.26	1.49
26 05 29 00-0531	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	204.26	1.49
26 05 29 00-0532		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories *(26 05 29 00-0466)*		
26 05 29 00-0533		Polyvinyl Chloride (PVC) Coated Threaded Rod *(26 05 29 00-0532)*		
26 05 29 00-0534	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.42	0.99
26 05 29 00-0535	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.84	1.12
26 05 29 00-0536		Attachments *(26 05 29 00-0466)*		
26 05 29 00-0537		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts *(26 05 29 00-0536)*		
26 05 29 00-0538	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.99	7.49
26 05 29 00-0539	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.64	7.86
26 05 29 00-0540	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.73	8.36
26 05 29 00-0541	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	23.13	8.86
26 05 29 00-0542	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.63	9.37
26 05 29 00-0543	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.71	9.99
26 05 29 00-0544	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	40.21	10.73
26 05 29 00-0545	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	42.15	11.48
26 05 29 00-0546	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	44.93	12.49
26 05 29 00-0547	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	73.61	14.23
26 05 29 00-0548	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	91.30	16.48
26 05 29 00-0549		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps *(26 05 29 00-0536)*		
26 05 29 00-0550	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	69.46	24.67
26 05 29 00-0551	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	81.51	24.67
26 05 29 00-0552	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	86.48	24.67
26 05 29 00-0553	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	95.47	26.18
26 05 29 00-0554	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	111.82	29.91
26 05 29 00-0555		Polyvinyl Chloride (PVC) Coated Pipe Straps *(26 05 29 00-0536)*		
		Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0556	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.34	8.23
26 05 29 00-0557	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.61	8.97
26 05 29 00-0558	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	29.00	9.72
26 05 29 00-0559	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	32.60	11.21
26 05 29 00-0560	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.33	12.71
26 05 29 00-0561	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	41.59	13.46
26 05 29 00-0562	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	45.94	14.95
26 05 29 00-0563	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	54.80	16.46
26 05 29 00-0564	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	60.00	17.20
26 05 29 00-0565	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	62.97	18.69
26 05 29 00-0566	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	67.19	20.93
26 05 29 00-0567		Polyvinyl Chloride (PVC) Coated Channel *(26 05 29 00-0466)*		
26 05 29 00-0568	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	26.78	3.74
26 05 29 00-0569	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	47.57	5.23
26 05 29 00-0570	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	28.62	3.74
26 05 29 00-0571	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	21.12	3.74
26 05 29 00-0572	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	22.26	3.74
26 05 29 00-0573		Polymer Concrete Pads *(26 05 29)*		
		Note: Excludes excavation and backfill.		
26 05 29 00-0574		Polymer Concrete, Box Pads *(26 05 29 00-0573)*		
26 05 29 00-0575	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,386.82	133.05
26 05 29 00-0576	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,433.13	133.05
26 05 29 00-0577	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,858.69	133.05
26 05 29 00-0578	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,929.24	133.05
26 05 29 00-0579	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,793.01	133.05
26 05 29 00-0580	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,126.22	133.05
26 05 29 00-0581	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,381.71	133.05
26 05 29 00-0582	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,281.15	166.31
26 05 29 00-0583	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,474.92	166.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0584	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,674.60	166.31
26 05 29 00-0585		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0573)*		
26 05 29 00-0586	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	669.63	72.86
26 05 29 00-0587	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	796.14	72.86
26 05 29 00-0588	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,028.91	99.79
26 05 29 00-0589	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,075.93	99.79
26 05 29 00-0590	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,554.56	99.79
26 05 29 00-0591	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,621.08	99.79
26 05 29 00-0592	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,745.04	99.79
26 05 29 00-0593	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,745.04	99.79
26 05 29 00-0594	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,302.26	99.79
26 05 29 00-0595	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,746.60	99.79
26 05 29 00-0596		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0573)*		
26 05 29 00-0597	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	401.70	72.86
26 05 29 00-0598	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	434.22	72.86
26 05 29 00-0599	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	463.84	72.86
26 05 29 00-0600	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	562.25	72.86
26 05 29 00-0601	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	518.33	72.86
26 05 29 00-0602	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	539.03	72.86
26 05 29 00-0603	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	592.67	72.86
26 05 29 00-0604	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	623.96	72.86
26 05 29 00-0605	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	728.48	72.86
26 05 29 00-0606	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	900.63	72.86
26 05 29 00-0607	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,323.97	99.79
26 05 29 00-0608	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,386.90	99.79
26 05 29 00-0609	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,406.75	99.79
26 05 29 00-0610	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,539.02	99.79
26 05 29 00-0611	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,308.24	99.79
26 05 29 00-0612	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,900.84	99.79

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	956.95	278.28
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*238.57*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.69*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,042.11	302.20
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*259.06*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,127.29	326.11
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*279.56*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*3.37*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,008.04	290.24
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*248.81*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,113.07	318.14
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*272.73*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*3.79*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter	1,218.09	346.03
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*296.63*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,122.33	314.15
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*269.31*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.41*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,078.57	300.03
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*257.15*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.69*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,163.74	323.94
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*277.64*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,248.91	347.85
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*298.14*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,334.08	371.76
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*318.63*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.21*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,129.66	311.98
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*267.40*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,234.70	339.88
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*291.31*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*3.79*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,339.72	367.78
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*315.22*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.05*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,444.74	395.68
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*339.13*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*6.32*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,390.50	371.76
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*318.63*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*6.61*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,537.07	407.63
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*349.38*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*8.82*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,388.62	359.81
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*308.39*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*7.29*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,586.75	403.65
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*345.96*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*10.93*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,255.88	322.92
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*276.83*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,341.06	346.83
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*297.32*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,426.23	370.74
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*317.82*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,511.40	394.64
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*338.31*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.21*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,306.97	334.87
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*287.07*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,412.00	362.77
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*310.98*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*3.79*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,517.03	390.66
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*334.90*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.05*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,622.05	418.56
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*358.80*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*6.32*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,567.82	394.64
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*338.31*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*6.61*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,764.05	426.53
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*365.64*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*10.93*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,962.18	470.37
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*403.21*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*14.57*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,243.38	316.76
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*271.50*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.69*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,328.54	340.68
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*291.99*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,294.46	328.72
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*281.74*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,399.49	356.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*305.66*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,408.75	352.63
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*302.24*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.41*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,370.78	337.83
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*289.53*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.69*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,455.95	361.74
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*310.03*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,541.13	385.65
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*330.52*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,421.87	349.78
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*299.78*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,526.90	377.68
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*323.69*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*3.79*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,631.93	405.58
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*347.60*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.05*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,682.72	409.56
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*351.02*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*6.61*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,829.27	445.43
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*381.76*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*8.82*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,680.83	397.61
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*340.77*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*7.29*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,878.95	441.45
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*378.34*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*10.93*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,769.33	403.42
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*345.79*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.53*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,854.50	427.33
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*366.29*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,939.67	451.23
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*386.78*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.21*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,840.27	419.36
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*359.45*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*3.79*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,945.30	447.25
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*383.37*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.05*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,050.33	475.15
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*407.28*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*6.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,996.09	451.23
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*386.78*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*6.61*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,192.32	483.12
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*414.11*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*10.93*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,390.45	526.96
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*451.68*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*14.57*	
26 05 33 13-0058		Conduit *(26 05 33 13)*		
		Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059		Conduit Installed Above Grade *(26 05 33 13-0058)*		
26 05 33 13-0060		Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)*		
		Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.03	2.51
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.75*	
		For Installation In Metal Stud Wall, Add	*0.63*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.57*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.94*	
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.57*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.51*	
		For Elevated Installation >35' To 40', Add	*3.14*	
		For Elevated Installation >40', Add	*3.45*	
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.69	2.74
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.89*	
		For Installation In Metal Stud Wall, Add	*0.73*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.09*	
		For Work In Restricted Working Space, Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.46*	
		For Elevated Installation >20' To 25', Add	*1.82*	
		For Elevated Installation >25' To 30', Add	*2.55*	
		For Elevated Installation >30' To 35', Add	*2.92*	
		For Elevated Installation >35' To 40', Add	*3.65*	
		For Elevated Installation >40', Add	*4.01*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.06	3.19
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.26*	
		For Installation In Metal Stud Wall, Add	*0.98*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.45*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.90*	
		For Elevated Installation >40', Add	*5.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.39	3.64
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.48*	
		For Installation In Metal Stud Wall, Add	*1.04*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.59*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.56*	
		For Work In Restricted Working Space, Add	*3.11*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.99	4.10
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.71*	
		For Installation In Metal Stud Wall, Add	*1.14*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.85*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.71*	
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.50	5.01
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.20*	
		For Installation In Metal Stud Wall, Add	*1.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.50*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.10*	
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.90*	
		For Elevated Installation >30' To 35', Add	*5.60*	
		For Elevated Installation >35' To 40', Add	*7.00*	
		For Elevated Installation >40', Add	*7.70*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	38.08	6.83
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.33*	
		For Installation In Metal Stud Wall, Add	*1.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.76*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.85*	
		For Work In Restricted Working Space, Add	*5.71*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.76*	
		For Elevated Installation >25' To 30', Add	*6.66*	
		For Elevated Installation >30' To 35', Add	*7.61*	
		For Elevated Installation >35' To 40', Add	*9.51*	
		For Elevated Installation >40', Add	*10.46*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	49.88	9.11
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-3.10*	
		For >1,000, Deduct	*-4.35*	
		For Installation In Metal Stud Wall, Add	*2.56*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.41*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.84*	
		For Work In Restricted Working Space, Add	*7.69*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.12*	
		For Elevated Installation >20' To 25', Add	*6.41*	
		For Elevated Installation >25' To 30', Add	*8.97*	
		For Elevated Installation >30' To 35', Add	*10.25*	
		For Elevated Installation >35' To 40', Add	*12.81*	
		For Elevated Installation >40', Add	*14.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	60.01	11.39
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-5.24*	
		For Installation In Metal Stud Wall, Add	*3.04*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.60*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.56*	
		For Work In Restricted Working Space, Add	*9.12*	
		For Elevated Installation >10' To 15', Add	*3.04*	
		For Elevated Installation >15' To 20', Add	*6.08*	
		For Elevated Installation >20' To 25', Add	*7.60*	
		For Elevated Installation >25' To 30', Add	*10.64*	
		For Elevated Installation >30' To 35', Add	*12.16*	
		For Elevated Installation >35' To 40', Add	*15.21*	
		For Elevated Installation >40', Add	*16.73*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	71.23	13.66
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-4.47*	
		For >1,000, Deduct	*-6.25*	
		For Installation In Metal Stud Wall, Add	*3.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.77*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.26*	
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.01*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.27*	
		For Elevated Installation >30' To 35', Add	*14.03*	
		For Elevated Installation >35' To 40', Add	*17.54*	
		For Elevated Installation >40', Add	*19.29*	
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	113.08	17.30
		For >250 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-10.23*	
		For Installation In Metal Stud Wall, Add	*4.33*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*10.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*6.49*	
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	152.78	21.86
		For >250 To 500, Deduct	*-4.91*	
		For >500 To 1,000, Deduct	*-10.09*	
		For >1,000, Deduct	*-13.91*	
		For Installation In Metal Stud Wall, Add	*5.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*13.67*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*8.20*	
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	33.77	11.27
		For Work In Restricted Working Space, Add	*8.48*	
		For Elevated Installation >10' To 15', Add	*2.83*	
		For Elevated Installation >15' To 20', Add	*5.65*	
		For Elevated Installation >20' To 25', Add	*7.07*	
		For Elevated Installation >25' To 30', Add	*9.89*	
		For Elevated Installation >30' To 35', Add	*11.31*	
		For Elevated Installation >35' To 40', Add	*14.14*	
		For Elevated Installation >40', Add	*15.55*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	42.40	14.00
		For Work In Restricted Working Space, Add	*10.55*	
		For Elevated Installation >10' To 15', Add	*3.52*	
		For Elevated Installation >15' To 20', Add	*7.03*	
		For Elevated Installation >20' To 25', Add	*8.79*	
		For Elevated Installation >25' To 30', Add	*12.30*	
		For Elevated Installation >30' To 35', Add	*14.06*	
		For Elevated Installation >35' To 40', Add	*17.58*	
		For Elevated Installation >40', Add	*19.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	54.03	17.19
		For Work In Restricted Working Space, Add	*12.86*	
		For Elevated Installation >10' To 15', Add	*4.29*	
		For Elevated Installation >15' To 20', Add	*8.57*	
		For Elevated Installation >20' To 25', Add	*10.72*	
		For Elevated Installation >25' To 30', Add	*15.00*	
		For Elevated Installation >30' To 35', Add	*17.15*	
		For Elevated Installation >35' To 40', Add	*21.44*	
		For Elevated Installation >40', Add	*23.58*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	68.86	19.93
		For Work In Restricted Working Space, Add	*14.93*	
		For Elevated Installation >10' To 15', Add	*4.98*	
		For Elevated Installation >15' To 20', Add	*9.95*	
		For Elevated Installation >20' To 25', Add	*12.44*	
		For Elevated Installation >25' To 30', Add	*17.42*	
		For Elevated Installation >30' To 35', Add	*19.91*	
		For Elevated Installation >35' To 40', Add	*24.89*	
		For Elevated Installation >40', Add	*27.37*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	79.89	22.89
		For Work In Restricted Working Space, Add	*17.14*	
		For Elevated Installation >10' To 15', Add	*5.71*	
		For Elevated Installation >15' To 20', Add	*11.43*	
		For Elevated Installation >20' To 25', Add	*14.28*	
		For Elevated Installation >25' To 30', Add	*20.00*	
		For Elevated Installation >30' To 35', Add	*22.85*	
		For Elevated Installation >35' To 40', Add	*28.57*	
		For Elevated Installation >40', Add	*31.42*	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	94.14	25.16
		For Work In Restricted Working Space, Add	*18.86*	
		For Elevated Installation >10' To 15', Add	*6.29*	
		For Elevated Installation >15' To 20', Add	*12.57*	
		For Elevated Installation >20' To 25', Add	*15.71*	
		For Elevated Installation >25' To 30', Add	*22.00*	
		For Elevated Installation >30' To 35', Add	*25.14*	
		For Elevated Installation >35' To 40', Add	*31.43*	
		For Elevated Installation >40', Add	*34.57*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	134.32	31.43
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	190.04	42.82
		For Work In Restricted Working Space, Add	*32.11*	
		For Elevated Installation >10' To 15', Add	*10.70*	
		For Elevated Installation >15' To 20', Add	*21.40*	
		For Elevated Installation >20' To 25', Add	*26.76*	
		For Elevated Installation >25' To 30', Add	*37.46*	
		For Elevated Installation >30' To 35', Add	*42.81*	
		For Elevated Installation >35' To 40', Add	*53.51*	
		For Elevated Installation >40', Add	*58.86*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	250.50	48.28
		For Work In Restricted Working Space, Add	*36.21*	
		For Elevated Installation >10' To 15', Add	*12.07*	
		For Elevated Installation >15' To 20', Add	*24.14*	
		For Elevated Installation >20' To 25', Add	*30.18*	
		For Elevated Installation >25' To 30', Add	*42.25*	
		For Elevated Installation >30' To 35', Add	*48.28*	
		For Elevated Installation >35' To 40', Add	*60.36*	
		For Elevated Installation >40', Add	*66.39*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	306.67	62.86
		For Work In Restricted Working Space, Add	*47.13*	
		For Elevated Installation >10' To 15', Add	*15.71*	
		For Elevated Installation >15' To 20', Add	*31.42*	
		For Elevated Installation >20' To 25', Add	*39.28*	
		For Elevated Installation >25' To 30', Add	*54.99*	
		For Elevated Installation >30' To 35', Add	*62.84*	
		For Elevated Installation >35' To 40', Add	*78.55*	
		For Elevated Installation >40', Add	*86.41*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	501.62	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	754.11	153.94
		For Work In Restricted Working Space, Add	*115.45*	
		For Elevated Installation >10' To 15', Add	*38.48*	
		For Elevated Installation >15' To 20', Add	*76.97*	
		For Elevated Installation >20' To 25', Add	*96.21*	
		For Elevated Installation >25' To 30', Add	*134.69*	
		For Elevated Installation >30' To 35', Add	*153.93*	
		For Elevated Installation >35' To 40', Add	*192.42*	
		For Elevated Installation >40', Add	*211.66*	
26 05 33 13-0087		Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	33.77	11.27
		For Work In Restricted Working Space, Add	*8.48*	
		For Elevated Installation >10' To 15', Add	*2.83*	
		For Elevated Installation >15' To 20', Add	*5.65*	
		For Elevated Installation >20' To 25', Add	*7.07*	
		For Elevated Installation >25' To 30', Add	*9.89*	
		For Elevated Installation >30' To 35', Add	*11.31*	
		For Elevated Installation >35' To 40', Add	*14.14*	
		For Elevated Installation >40', Add	*15.55*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	42.40	14.00
		For Work In Restricted Working Space, Add	*10.55*	
		For Elevated Installation >10' To 15', Add	*3.52*	
		For Elevated Installation >15' To 20', Add	*7.03*	
		For Elevated Installation >20' To 25', Add	*8.79*	
		For Elevated Installation >25' To 30', Add	*12.30*	
		For Elevated Installation >30' To 35', Add	*14.06*	
		For Elevated Installation >35' To 40', Add	*17.58*	
		For Elevated Installation >40', Add	*19.33*	
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	54.03	17.19
		For Work In Restricted Working Space, Add	*12.86*	
		For Elevated Installation >10' To 15', Add	*4.29*	
		For Elevated Installation >15' To 20', Add	*8.57*	
		For Elevated Installation >20' To 25', Add	*10.72*	
		For Elevated Installation >25' To 30', Add	*15.00*	
		For Elevated Installation >30' To 35', Add	*17.15*	
		For Elevated Installation >35' To 40', Add	*21.44*	
		For Elevated Installation >40', Add	*23.58*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	68.86	19.93
		For Work In Restricted Working Space, Add	*14.93*	
		For Elevated Installation >10' To 15', Add	*4.98*	
		For Elevated Installation >15' To 20', Add	*9.95*	
		For Elevated Installation >20' To 25', Add	*12.44*	
		For Elevated Installation >25' To 30', Add	*17.42*	
		For Elevated Installation >30' To 35', Add	*19.91*	
		For Elevated Installation >35' To 40', Add	*24.89*	
		For Elevated Installation >40', Add	*27.37*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	79.89	22.89
		For Work In Restricted Working Space, Add	*17.14*	
		For Elevated Installation >10' To 15', Add	*5.71*	
		For Elevated Installation >15' To 20', Add	*11.43*	
		For Elevated Installation >20' To 25', Add	*14.28*	
		For Elevated Installation >25' To 30', Add	*20.00*	
		For Elevated Installation >30' To 35', Add	*22.85*	
		For Elevated Installation >35' To 40', Add	*28.57*	
		For Elevated Installation >40', Add	*31.42*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	94.14	25.16
		For Work In Restricted Working Space, Add	*18.86*	
		For Elevated Installation >10' To 15', Add	*6.29*	
		For Elevated Installation >15' To 20', Add	*12.57*	
		For Elevated Installation >20' To 25', Add	*15.71*	
		For Elevated Installation >25' To 30', Add	*22.00*	
		For Elevated Installation >30' To 35', Add	*25.14*	
		For Elevated Installation >35' To 40', Add	*31.43*	
		For Elevated Installation >40', Add	*34.57*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	132.06	31.43
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	181.22	42.82
		For Work In Restricted Working Space, Add	*32.11*	
		For Elevated Installation >10' To 15', Add	*10.70*	
		For Elevated Installation >15' To 20', Add	*21.40*	
		For Elevated Installation >20' To 25', Add	*26.76*	
		For Elevated Installation >25' To 30', Add	*37.46*	
		For Elevated Installation >30' To 35', Add	*42.81*	
		For Elevated Installation >35' To 40', Add	*53.51*	
		For Elevated Installation >40', Add	*58.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	238.10	48.28
		For Work In Restricted Working Space, Add	*36.21*	
		For Elevated Installation >10' To 15', Add	*12.07*	
		For Elevated Installation >15' To 20', Add	*24.14*	
		For Elevated Installation >20' To 25', Add	*30.18*	
		For Elevated Installation >25' To 30', Add	*42.25*	
		For Elevated Installation >30' To 35', Add	*48.28*	
		For Elevated Installation >35' To 40', Add	*60.36*	
		For Elevated Installation >40', Add	*66.39*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	290.18	62.86
		For Work In Restricted Working Space, Add	*47.13*	
		For Elevated Installation >10' To 15', Add	*15.71*	
		For Elevated Installation >15' To 20', Add	*31.42*	
		For Elevated Installation >20' To 25', Add	*39.28*	
		For Elevated Installation >25' To 30', Add	*54.99*	
		For Elevated Installation >30' To 35', Add	*62.84*	
		For Elevated Installation >35' To 40', Add	*78.55*	
		For Elevated Installation >40', Add	*86.41*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	501.62	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.91*	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	754.11	153.94
		For Work In Restricted Working Space, Add	*115.45*	
		For Elevated Installation >10' To 15', Add	*38.48*	
		For Elevated Installation >15' To 20', Add	*76.97*	
		For Elevated Installation >20' To 25', Add	*96.21*	
		For Elevated Installation >25' To 30', Add	*134.69*	
		For Elevated Installation >30' To 35', Add	*153.93*	
		For Elevated Installation >35' To 40', Add	*192.42*	
		For Elevated Installation >40', Add	*211.66*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	82.83	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	95.47	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	110.35	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	124.23	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	89.72	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	104.33	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	114.39	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	128.74	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	170.82	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	229.99	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	90.05	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	103.45	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	118.75	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	138.50	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	179.92	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	237.32	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	295.69	78.45
		For Work In Restricted Working Space, Add	*47.07*	
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	359.34	102.13
		For Work In Restricted Working Space, Add	*61.28*	
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	101.04	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	114.24	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	126.83	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	150.41	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	196.16	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	262.78	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	320.44	78.45
		For Work In Restricted Working Space, Add	*47.07*	
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	379.07	102.13
		For Work In Restricted Working Space, Add	*61.28*	
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	100.37	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	122.25	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	135.51	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	161.75	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	211.73	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	282.88	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	344.90	78.45
		For Work In Restricted Working Space, Add	*47.07*	
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	415.28	102.13
		For Work In Restricted Working Space, Add	*61.28*	
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	604.08	166.52
		For Work In Restricted Working Space, Add	*99.92*	
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
26 05 33 13-0140		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	106.24	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	126.20	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	150.72	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	170.61	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	230.21	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	300.07	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	376.50	78.45
		For Work In Restricted Working Space, Add	*47.07*	
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	432.32	102.13
		For Work In Restricted Working Space, Add	*61.28*	
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	743.07	166.52
		For Work In Restricted Working Space, Add	*99.92*	
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	950.78	250.16
		For Work In Restricted Working Space, Add	*150.10*	
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
26 05 33 13-0151		Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	114.84	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	136.70	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	161.88	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	182.28	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	244.33	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	325.26	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	401.76	78.45
		For Work In Restricted Working Space, Add	*47.07*	
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	505.00	102.13
		For Work In Restricted Working Space, Add	*61.28*	
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	843.34	166.52
		For Work In Restricted Working Space, Add	*99.92*	
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,037.60	250.16
		For Work In Restricted Working Space, Add	*150.10*	
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	122.00	28.12
		For Work In Restricted Working Space, Add	*16.88*	
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	144.79	32.56
		For Work In Restricted Working Space, Add	*19.54*	
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	168.94	37.00
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	204.09	40.71
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	270.39	51.07
		For Work In Restricted Working Space, Add	*30.64*	
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	350.64	69.57
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	433.52	78.45
		For Work In Restricted Working Space, Add	*47.07*	
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	543.58	102.13
		For Work In Restricted Working Space, Add	*61.28*	
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	874.74	166.52
		For Work In Restricted Working Space, Add	*99.92*	
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,055.17	250.16
		For Work In Restricted Working Space, Add	*150.10*	
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
26 05 33 13-0173		**Rigid Galvanized Steel (RGS) Plastic Insulating Bushing** *(26 05 33 13-0060)*		
26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	14.91	7.26
		For Work In Restricted Working Space, Add	*4.36*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.90*	
		For Elevated Installation >20' To 25', Add	*3.63*	
		For Elevated Installation >25' To 30', Add	*5.08*	
		For Elevated Installation >30' To 35', Add	*5.81*	
		For Elevated Installation >35' To 40', Add	*7.26*	
		For Elevated Installation >40', Add	*7.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.36*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.00	7.74
		For Work In Restricted Working Space, Add	*4.65*	
		For Elevated Installation >10' To 15', Add	*1.55*	
		For Elevated Installation >15' To 20', Add	*3.10*	
		For Elevated Installation >20' To 25', Add	*3.87*	
		For Elevated Installation >25' To 30', Add	*5.42*	
		For Elevated Installation >30' To 35', Add	*6.20*	
		For Elevated Installation >35' To 40', Add	*7.75*	
		For Elevated Installation >40', Add	*8.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.20	8.71
		For Work In Restricted Working Space, Add	*5.23*	
		For Elevated Installation >10' To 15', Add	*1.74*	
		For Elevated Installation >15' To 20', Add	*3.48*	
		For Elevated Installation >20' To 25', Add	*4.36*	
		For Elevated Installation >25' To 30', Add	*6.10*	
		For Elevated Installation >30' To 35', Add	*6.97*	
		For Elevated Installation >35' To 40', Add	*8.71*	
		For Elevated Installation >40', Add	*9.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	20.48	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	25.74	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.84*	
		For Elevated Installation >20' To 25', Add	*6.05*	
		For Elevated Installation >25' To 30', Add	*8.47*	
		For Elevated Installation >30' To 35', Add	*9.68*	
		For Elevated Installation >35' To 40', Add	*12.10*	
		For Elevated Installation >40', Add	*13.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	31.88	14.52
		For Work In Restricted Working Space, Add	*8.71*	
		For Elevated Installation >10' To 15', Add	*2.90*	
		For Elevated Installation >15' To 20', Add	*5.81*	
		For Elevated Installation >20' To 25', Add	*7.26*	
		For Elevated Installation >25' To 30', Add	*10.16*	
		For Elevated Installation >30' To 35', Add	*11.61*	
		For Elevated Installation >35' To 40', Add	*14.52*	
		For Elevated Installation >40', Add	*15.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.71*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	40.17	16.94
		For Work In Restricted Working Space, Add	*10.16*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.77*	
		For Elevated Installation >20' To 25', Add	*8.47*	
		For Elevated Installation >25' To 30', Add	*11.85*	
		For Elevated Installation >30' To 35', Add	*13.55*	
		For Elevated Installation >35' To 40', Add	*16.94*	
		For Elevated Installation >40', Add	*18.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	45.36	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	52.78	18.21
		For Work In Restricted Working Space, Add	*13.07*	
		For Elevated Installation >10' To 15', Add	*4.36*	
		For Elevated Installation >15' To 20', Add	*8.71*	
		For Elevated Installation >20' To 25', Add	*10.89*	
		For Elevated Installation >25' To 30', Add	*15.25*	
		For Elevated Installation >30' To 35', Add	*17.42*	
		For Elevated Installation >35' To 40', Add	*21.78*	
		For Elevated Installation >40', Add	*23.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.07*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	58.55	24.20
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15', Add	*4.84*	
		For Elevated Installation >15' To 20', Add	*9.68*	
		For Elevated Installation >20' To 25', Add	*12.10*	
		For Elevated Installation >25' To 30', Add	*16.94*	
		For Elevated Installation >30' To 35', Add	*19.36*	
		For Elevated Installation >35' To 40', Add	*24.20*	
		For Elevated Installation >40', Add	*26.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	70.55	26.62
		For Work In Restricted Working Space, Add	*15.97*	
		For Elevated Installation >10' To 15', Add	*5.32*	
		For Elevated Installation >15' To 20', Add	*10.65*	
		For Elevated Installation >20' To 25', Add	*13.31*	
		For Elevated Installation >25' To 30', Add	*18.63*	
		For Elevated Installation >30' To 35', Add	*21.29*	
		For Elevated Installation >35' To 40', Add	*26.62*	
		For Elevated Installation >40', Add	*29.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.97*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	101.94	29.03
		For Work In Restricted Working Space, Add	*17.42*	
		For Elevated Installation >10' To 15', Add	*5.81*	
		For Elevated Installation >15' To 20', Add	*11.61*	
		For Elevated Installation >20' To 25', Add	*14.52*	
		For Elevated Installation >25' To 30', Add	*20.32*	
		For Elevated Installation >30' To 35', Add	*23.23*	
		For Elevated Installation >35' To 40', Add	*29.04*	
		For Elevated Installation >40', Add	*31.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.42*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	18.04	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	19.62	9.11
		For Work In Restricted Working Space, Add	*5.46*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.64*	
		For Elevated Installation >20' To 25', Add	*4.55*	
		For Elevated Installation >25' To 30', Add	*6.37*	
		For Elevated Installation >30' To 35', Add	*7.28*	
		For Elevated Installation >35' To 40', Add	*9.11*	
		For Elevated Installation >40', Add	*10.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	22.93	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	25.80	11.39
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	32.93	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	38.95	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	54.93	19.93
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	65.33	22.78
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	97.45	25.62
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	131.88	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	176.30	31.32
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	260.18	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.18	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.33	9.11
		For Work In Restricted Working Space, Add	*5.46*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.64*	
		For Elevated Installation >20' To 25', Add	*4.55*	
		For Elevated Installation >25' To 30', Add	*6.37*	
		For Elevated Installation >30' To 35', Add	*7.28*	
		For Elevated Installation >35' To 40', Add	*9.11*	
		For Elevated Installation >40', Add	*10.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	25.09	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	29.44	11.39
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	36.73	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	45.68	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	64.06	19.93
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	76.03	22.78
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	99.44	25.62
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	140.79	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	186.01	31.32
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	263.61	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	28.96	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	32.45	11.39
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	37.11	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	44.07	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	53.30	17.65
		For Work In Restricted Working Space, Add	*10.59*	
		For Elevated Installation >10' To 15', Add	*3.53*	
		For Elevated Installation >15' To 20', Add	*7.06*	
		For Elevated Installation >20' To 25', Add	*8.83*	
		For Elevated Installation >25' To 30', Add	*12.36*	
		For Elevated Installation >30' To 35', Add	*14.12*	
		For Elevated Installation >35' To 40', Add	*17.65*	
		For Elevated Installation >40', Add	*19.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	67.14	21.06
		For Work In Restricted Working Space, Add	*12.64*	
		For Elevated Installation >10' To 15', Add	*4.21*	
		For Elevated Installation >15' To 20', Add	*8.43*	
		For Elevated Installation >20' To 25', Add	*10.53*	
		For Elevated Installation >25' To 30', Add	*14.75*	
		For Elevated Installation >30' To 35', Add	*16.85*	
		For Elevated Installation >35' To 40', Add	*21.07*	
		For Elevated Installation >40', Add	*23.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	89.82	24.48
		For Work In Restricted Working Space, Add	*14.69*	
		For Elevated Installation >10' To 15', Add	*4.90*	
		For Elevated Installation >15' To 20', Add	*9.79*	
		For Elevated Installation >20' To 25', Add	*12.24*	
		For Elevated Installation >25' To 30', Add	*17.14*	
		For Elevated Installation >30' To 35', Add	*19.58*	
		For Elevated Installation >35' To 40', Add	*24.48*	
		For Elevated Installation >40', Add	*26.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.69*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	99.08	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	112.04	31.88
		For Work In Restricted Working Space, Add	*19.13*	
		For Elevated Installation >10' To 15', Add	*6.38*	
		For Elevated Installation >15' To 20', Add	*12.75*	
		For Elevated Installation >20' To 25', Add	*15.94*	
		For Elevated Installation >25' To 30', Add	*22.32*	
		For Elevated Installation >30' To 35', Add	*25.51*	
		For Elevated Installation >35' To 40', Add	*31.89*	
		For Elevated Installation >40', Add	*35.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.13*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	144.48	35.30
		For Work In Restricted Working Space, Add	*21.18*	
		For Elevated Installation >10' To 15', Add	*7.06*	
		For Elevated Installation >15' To 20', Add	*14.12*	
		For Elevated Installation >20' To 25', Add	*17.65*	
		For Elevated Installation >25' To 30', Add	*24.71*	
		For Elevated Installation >30' To 35', Add	*28.24*	
		For Elevated Installation >35' To 40', Add	*35.30*	
		For Elevated Installation >40', Add	*38.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.18*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	204.62	38.72
		For Work In Restricted Working Space, Add	*23.23*	
		For Elevated Installation >10' To 15', Add	*7.74*	
		For Elevated Installation >15' To 20', Add	*15.49*	
		For Elevated Installation >20' To 25', Add	*19.36*	
		For Elevated Installation >25' To 30', Add	*27.10*	
		For Elevated Installation >30' To 35', Add	*30.97*	
		For Elevated Installation >35' To 40', Add	*38.72*	
		For Elevated Installation >40', Add	*42.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.23*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	281.46	42.70
		For Work In Restricted Working Space, Add	*25.62*	
		For Elevated Installation >10' To 15', Add	*8.54*	
		For Elevated Installation >15' To 20', Add	*17.08*	
		For Elevated Installation >20' To 25', Add	*21.35*	
		For Elevated Installation >25' To 30', Add	*29.89*	
		For Elevated Installation >30' To 35', Add	*34.16*	
		For Elevated Installation >35' To 40', Add	*42.70*	
		For Elevated Installation >40', Add	*46.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.62*	
26 05 33 13-0225		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0060)*		
26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	17.42	5.23
		For Work In Restricted Working Space, Add	*3.90*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.55*	
		For Elevated Installation >30' To 35', Add	*5.20*	
		For Elevated Installation >35' To 40', Add	*6.50*	
		For Elevated Installation >40', Add	*7.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	21.19	6.03
		For Work In Restricted Working Space, Add	*4.51*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.01*	
		For Elevated Installation >20' To 25', Add	*3.76*	
		For Elevated Installation >25' To 30', Add	*5.26*	
		For Elevated Installation >30' To 35', Add	*6.02*	
		For Elevated Installation >35' To 40', Add	*7.52*	
		For Elevated Installation >40', Add	*8.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	27.94	7.29
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15', Add	*1.81*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.35*	
		For Elevated Installation >30' To 35', Add	*7.26*	
		For Elevated Installation >35' To 40', Add	*9.07*	
		For Elevated Installation >40', Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	41.78	8.99
		For Work In Restricted Working Space, Add	*6.77*	
		For Elevated Installation >10' To 15', Add	*2.26*	
		For Elevated Installation >15' To 20', Add	*4.51*	
		For Elevated Installation >20' To 25', Add	*5.64*	
		For Elevated Installation >25' To 30', Add	*7.90*	
		For Elevated Installation >30' To 35', Add	*9.02*	
		For Elevated Installation >35' To 40', Add	*11.28*	
		For Elevated Installation >40', Add	*12.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	56.60	12.07
		For Work In Restricted Working Space, Add	*9.06*	
		For Elevated Installation >10' To 15', Add	*3.02*	
		For Elevated Installation >15' To 20', Add	*6.04*	
		For Elevated Installation >20' To 25', Add	*7.55*	
		For Elevated Installation >25' To 30', Add	*10.57*	
		For Elevated Installation >30' To 35', Add	*12.08*	
		For Elevated Installation >35' To 40', Add	*15.10*	
		For Elevated Installation >40', Add	*16.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.06*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	97.00	18.10
		For Work In Restricted Working Space, Add	*13.57*	
		For Elevated Installation >10' To 15', Add	*4.52*	
		For Elevated Installation >15' To 20', Add	*9.05*	
		For Elevated Installation >20' To 25', Add	*11.31*	
		For Elevated Installation >25' To 30', Add	*15.83*	
		For Elevated Installation >30' To 35', Add	*18.09*	
		For Elevated Installation >35' To 40', Add	*22.62*	
		For Elevated Installation >40', Add	*24.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.57*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	178.22	20.04
		For Work In Restricted Working Space, Add	*15.03*	
		For Elevated Installation >10' To 15', Add	*5.01*	
		For Elevated Installation >15' To 20', Add	*10.02*	
		For Elevated Installation >20' To 25', Add	*12.53*	
		For Elevated Installation >25' To 30', Add	*17.54*	
		For Elevated Installation >30' To 35', Add	*20.04*	
		For Elevated Installation >35' To 40', Add	*25.05*	
		For Elevated Installation >40', Add	*27.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.03*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	212.33	24.25
		For Work In Restricted Working Space, Add	*18.20*	
		For Elevated Installation >10' To 15', Add	*6.07*	
		For Elevated Installation >15' To 20', Add	*12.14*	
		For Elevated Installation >20' To 25', Add	*15.17*	
		For Elevated Installation >25' To 30', Add	*21.24*	
		For Elevated Installation >30' To 35', Add	*24.27*	
		For Elevated Installation >35' To 40', Add	*30.34*	
		For Elevated Installation >40', Add	*33.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.20*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	287.75	30.41
		For Work In Restricted Working Space, Add	*22.79*	
		For Elevated Installation >10' To 15', Add	*7.60*	
		For Elevated Installation >15' To 20', Add	*15.19*	
		For Elevated Installation >20' To 25', Add	*18.99*	
		For Elevated Installation >25' To 30', Add	*26.59*	
		For Elevated Installation >30' To 35', Add	*30.39*	
		For Elevated Installation >35' To 40', Add	*37.99*	
		For Elevated Installation >40', Add	*41.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.79*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	336.86	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	597.99	40.54
		For Work In Restricted Working Space, Add	*30.37*	
		For Elevated Installation >10' To 15', Add	*10.12*	
		For Elevated Installation >15' To 20', Add	*20.24*	
		For Elevated Installation >20' To 25', Add	*25.31*	
		For Elevated Installation >25' To 30', Add	*35.43*	
		For Elevated Installation >30' To 35', Add	*40.49*	
		For Elevated Installation >35' To 40', Add	*50.61*	
		For Elevated Installation >40', Add	*55.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.37*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	715.20	45.54
		For Work In Restricted Working Space, Add	*34.15*	
		For Elevated Installation >10' To 15', Add	*11.38*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.46*	
		For Elevated Installation >25' To 30', Add	*39.84*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.92*	
		For Elevated Installation >40', Add	*62.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.15*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.62	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	19.13	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	24.49	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	28.69	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	32.78	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.77	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.36	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.74	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.04	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	33.33	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	37.76	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	16.93	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	19.57	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	25.10	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	29.35	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	33.70	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	38.68	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	52.77	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	70.78	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.13	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.67	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.56	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.94	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	34.48	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	39.63	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	55.33	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	73.00	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	17.33	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.03	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	25.85	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	30.22	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	35.02	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	40.43	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	56.11	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	74.63	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	86.05	30.17
		For Work In Restricted Working Space, Add	*18.10*	
		For Elevated Installation >10' To 15', Add	*6.03*	
		For Elevated Installation >15' To 20', Add	*12.07*	
		For Elevated Installation >20' To 25', Add	*15.09*	
		For Elevated Installation >25' To 30', Add	*21.12*	
		For Elevated Installation >30' To 35', Add	*24.14*	
		For Elevated Installation >35' To 40', Add	*30.17*	
		For Elevated Installation >40', Add	*33.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	107.43	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	17.63	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	20.47	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	26.41	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	31.04	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	35.82	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	41.86	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	59.28	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	78.07	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	89.46	30.17
		For Work In Restricted Working Space, Add	*18.10*	
		For Elevated Installation >10' To 15', Add	*6.03*	
		For Elevated Installation >15' To 20', Add	*12.07*	
		For Elevated Installation >20' To 25', Add	*15.09*	
		For Elevated Installation >25' To 30', Add	*21.12*	
		For Elevated Installation >30' To 35', Add	*24.14*	
		For Elevated Installation >35' To 40', Add	*30.17*	
		For Elevated Installation >40', Add	*33.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	112.41	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	173.87	54.08
		For Work In Restricted Working Space, Add	*32.45*	
		For Elevated Installation >10' To 15', Add	*10.82*	
		For Elevated Installation >15' To 20', Add	*21.63*	
		For Elevated Installation >20' To 25', Add	*27.04*	
		For Elevated Installation >25' To 30', Add	*37.86*	
		For Elevated Installation >30' To 35', Add	*43.27*	
		For Elevated Installation >35' To 40', Add	*54.09*	
		For Elevated Installation >40', Add	*59.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	220.65	69.34
		For Work In Restricted Working Space, Add	*41.63*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.75*	
		For Elevated Installation >20' To 25', Add	*34.69*	
		For Elevated Installation >25' To 30', Add	*48.57*	
		For Elevated Installation >30' To 35', Add	*55.51*	
		For Elevated Installation >35' To 40', Add	*69.39*	
		For Elevated Installation >40', Add	*76.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.63*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	18.18	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	21.03	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	26.86	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	31.80	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	37.50	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	43.29	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	62.05	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	81.55	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	93.62	30.17
		For Work In Restricted Working Space, Add	*18.10*	
		For Elevated Installation >10' To 15', Add	*6.03*	
		For Elevated Installation >15' To 20', Add	*12.07*	
		For Elevated Installation >20' To 25', Add	*15.09*	
		For Elevated Installation >25' To 30', Add	*21.12*	
		For Elevated Installation >30' To 35', Add	*24.14*	
		For Elevated Installation >35' To 40', Add	*30.17*	
		For Elevated Installation >40', Add	*33.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	116.36	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	179.66	54.08
		For Work In Restricted Working Space, Add	*32.45*	
		For Elevated Installation >10' To 15', Add	*10.82*	
		For Elevated Installation >15' To 20', Add	*21.63*	
		For Elevated Installation >20' To 25', Add	*27.04*	
		For Elevated Installation >25' To 30', Add	*37.86*	
		For Elevated Installation >30' To 35', Add	*43.27*	
		For Elevated Installation >35' To 40', Add	*54.09*	
		For Elevated Installation >40', Add	*59.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	229.13	69.34
		For Work In Restricted Working Space, Add	*41.63*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.75*	
		For Elevated Installation >20' To 25', Add	*34.69*	
		For Elevated Installation >25' To 30', Add	*48.57*	
		For Elevated Installation >30' To 35', Add	*55.51*	
		For Elevated Installation >35' To 40', Add	*69.39*	
		For Elevated Installation >40', Add	*76.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.63*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	20.18	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	23.59	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	29.88	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	36.10	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	42.29	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	48.34	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	69.41	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	90.00	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	102.05	30.17
		For Work In Restricted Working Space, Add	*18.10*	
		For Elevated Installation >10' To 15', Add	*6.03*	
		For Elevated Installation >15' To 20', Add	*12.07*	
		For Elevated Installation >20' To 25', Add	*15.09*	
		For Elevated Installation >25' To 30', Add	*21.12*	
		For Elevated Installation >30' To 35', Add	*24.14*	
		For Elevated Installation >35' To 40', Add	*30.17*	
		For Elevated Installation >40', Add	*33.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	125.67	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	193.08	54.08
		For Work In Restricted Working Space, Add	*32.45*	
		For Elevated Installation >10' To 15', Add	*10.82*	
		For Elevated Installation >15' To 20', Add	*21.63*	
		For Elevated Installation >20' To 25', Add	*27.04*	
		For Elevated Installation >25' To 30', Add	*37.86*	
		For Elevated Installation >30' To 35', Add	*43.27*	
		For Elevated Installation >35' To 40', Add	*54.09*	
		For Elevated Installation >40', Add	*59.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	244.20	69.34
		For Work In Restricted Working Space, Add	*41.63*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.75*	
		For Elevated Installation >20' To 25', Add	*34.69*	
		For Elevated Installation >25' To 30', Add	*48.57*	
		For Elevated Installation >30' To 35', Add	*55.51*	
		For Elevated Installation >35' To 40', Add	*69.39*	
		For Elevated Installation >40', Add	*76.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.63*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	21.54	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	24.90	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	32.28	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	38.95	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	45.10	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	51.60	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	74.35	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	96.63	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	110.79	30.17
		For Work In Restricted Working Space, Add	*18.10*	
		For Elevated Installation >10' To 15', Add	*6.03*	
		For Elevated Installation >15' To 20', Add	*12.07*	
		For Elevated Installation >20' To 25', Add	*15.09*	
		For Elevated Installation >25' To 30', Add	*21.12*	
		For Elevated Installation >30' To 35', Add	*24.14*	
		For Elevated Installation >35' To 40', Add	*30.17*	
		For Elevated Installation >40', Add	*33.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	136.74	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	207.72	54.08
		For Work In Restricted Working Space, Add	*32.45*	
		For Elevated Installation >10' To 15', Add	*10.82*	
		For Elevated Installation >15' To 20', Add	*21.63*	
		For Elevated Installation >20' To 25', Add	*27.04*	
		For Elevated Installation >25' To 30', Add	*37.86*	
		For Elevated Installation >30' To 35', Add	*43.27*	
		For Elevated Installation >35' To 40', Add	*54.09*	
		For Elevated Installation >40', Add	*59.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	270.53	69.34
		For Work In Restricted Working Space, Add	*41.63*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.75*	
		For Elevated Installation >20' To 25', Add	*34.69*	
		For Elevated Installation >25' To 30', Add	*48.57*	
		For Elevated Installation >30' To 35', Add	*55.51*	
		For Elevated Installation >35' To 40', Add	*69.39*	
		For Elevated Installation >40', Add	*76.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.63*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	22.56	7.40
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.40*	
		For Elevated Installation >40', Add	*8.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.87	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	33.72	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	41.23	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	46.51	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	54.33	15.94
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	80.16	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	105.87	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	119.30	30.17
		For Work In Restricted Working Space, Add	*18.10*	
		For Elevated Installation >10' To 15', Add	*6.03*	
		For Elevated Installation >15' To 20', Add	*12.07*	
		For Elevated Installation >20' To 25', Add	*15.09*	
		For Elevated Installation >25' To 30', Add	*21.12*	
		For Elevated Installation >30' To 35', Add	*24.14*	
		For Elevated Installation >35' To 40', Add	*30.17*	
		For Elevated Installation >40', Add	*33.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	147.83	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	228.76	54.08
		For Work In Restricted Working Space, Add	*32.45*	
		For Elevated Installation >10' To 15', Add	*10.82*	
		For Elevated Installation >15' To 20', Add	*21.63*	
		For Elevated Installation >20' To 25', Add	*27.04*	
		For Elevated Installation >25' To 30', Add	*37.86*	
		For Elevated Installation >30' To 35', Add	*43.27*	
		For Elevated Installation >35' To 40', Add	*54.09*	
		For Elevated Installation >40', Add	*59.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	285.17	69.34
		For Work In Restricted Working Space, Add	*41.63*	
		For Elevated Installation >10' To 15', Add	*13.88*	
		For Elevated Installation >15' To 20', Add	*27.75*	
		For Elevated Installation >20' To 25', Add	*34.69*	
		For Elevated Installation >25' To 30', Add	*48.57*	
		For Elevated Installation >30' To 35', Add	*55.51*	
		For Elevated Installation >35' To 40', Add	*69.39*	
		For Elevated Installation >40', Add	*76.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.63*	

26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*

26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.29	5.92
		For Work In Restricted Working Space, Add	*4.48*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.97*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	20.59	6.83
		For Work In Restricted Working Space, Add	*5.09*	
		For Elevated Installation >10' To 15', Add	*1.70*	
		For Elevated Installation >15' To 20', Add	*3.40*	
		For Elevated Installation >20' To 25', Add	*4.25*	
		For Elevated Installation >25' To 30', Add	*5.94*	
		For Elevated Installation >30' To 35', Add	*6.79*	
		For Elevated Installation >35' To 40', Add	*8.49*	
		For Elevated Installation >40', Add	*9.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.09*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	25.85	8.65
		For Work In Restricted Working Space, Add	*6.52*	
		For Elevated Installation >10' To 15', Add	*2.17*	
		For Elevated Installation >15' To 20', Add	*4.34*	
		For Elevated Installation >20' To 25', Add	*5.43*	
		For Elevated Installation >25' To 30', Add	*7.60*	
		For Elevated Installation >30' To 35', Add	*8.69*	
		For Elevated Installation >35' To 40', Add	*10.86*	
		For Elevated Installation >40', Add	*11.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.52*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	32.70	10.37
		For Work In Restricted Working Space, Add	*7.81*	
		For Elevated Installation >10' To 15', Add	*2.60*	
		For Elevated Installation >15' To 20', Add	*5.21*	
		For Elevated Installation >20' To 25', Add	*6.51*	
		For Elevated Installation >25' To 30', Add	*9.11*	
		For Elevated Installation >30' To 35', Add	*10.41*	
		For Elevated Installation >35' To 40', Add	*13.02*	
		For Elevated Installation >40', Add	*14.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	35.80	11.39
		For Work In Restricted Working Space, Add	*8.55*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.70*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.97*	
		For Elevated Installation >30' To 35', Add	*11.40*	
		For Elevated Installation >35' To 40', Add	*14.25*	
		For Elevated Installation >40', Add	*15.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	46.70	14.00
		For Work In Restricted Working Space, Add	*10.53*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.77*	
		For Elevated Installation >25' To 30', Add	*12.28*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.53*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	76.28	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	122.51	31.43
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	151.63	37.12
		For Work In Restricted Working Space, Add	*27.69*	
		For Elevated Installation >10' To 15', Add	*9.23*	
		For Elevated Installation >15' To 20', Add	*18.46*	
		For Elevated Installation >20' To 25', Add	*23.07*	
		For Elevated Installation >25' To 30', Add	*32.30*	
		For Elevated Installation >30' To 35', Add	*36.92*	
		For Elevated Installation >35' To 40', Add	*46.15*	
		For Elevated Installation >40', Add	*50.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.69*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	181.69	42.82
		For Work In Restricted Working Space, Add	*32.11*	
		For Elevated Installation >10' To 15', Add	*10.70*	
		For Elevated Installation >15' To 20', Add	*21.41*	
		For Elevated Installation >20' To 25', Add	*26.76*	
		For Elevated Installation >25' To 30', Add	*37.46*	
		For Elevated Installation >30' To 35', Add	*42.82*	
		For Elevated Installation >35' To 40', Add	*53.52*	
		For Elevated Installation >40', Add	*58.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.11*	

26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*

Note: Erickson fittings.

26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	48.24	18.21
		For Work In Restricted Working Space, Add	*13.68*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.12*	
		For Elevated Installation >20' To 25', Add	*11.40*	
		For Elevated Installation >25' To 30', Add	*15.96*	
		For Elevated Installation >30' To 35', Add	*18.24*	
		For Elevated Installation >35' To 40', Add	*22.80*	
		For Elevated Installation >40', Add	*25.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.68*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	54.28	20.38
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.72*	
		For Elevated Installation >25' To 30', Add	*17.81*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*27.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	62.95	22.66
		For Work In Restricted Working Space, Add	*17.01*	
		For Elevated Installation >10' To 15', Add	*5.67*	
		For Elevated Installation >15' To 20', Add	*11.34*	
		For Elevated Installation >20' To 25', Add	*14.17*	
		For Elevated Installation >25' To 30', Add	*19.84*	
		For Elevated Installation >30' To 35', Add	*22.68*	
		For Elevated Installation >35' To 40', Add	*28.35*	
		For Elevated Installation >40', Add	*31.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	75.37	24.82
		For Work In Restricted Working Space, Add	*18.61*	
		For Elevated Installation >10' To 15', Add	*6.20*	
		For Elevated Installation >15' To 20', Add	*12.41*	
		For Elevated Installation >20' To 25', Add	*15.51*	
		For Elevated Installation >25' To 30', Add	*21.71*	
		For Elevated Installation >30' To 35', Add	*24.81*	
		For Elevated Installation >35' To 40', Add	*31.02*	
		For Elevated Installation >40', Add	*34.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	83.86	27.10
		For Work In Restricted Working Space, Add	*20.36*	
		For Elevated Installation >10' To 15', Add	*6.79*	
		For Elevated Installation >15' To 20', Add	*13.57*	
		For Elevated Installation >20' To 25', Add	*16.97*	
		For Elevated Installation >25' To 30', Add	*23.75*	
		For Elevated Installation >30' To 35', Add	*27.15*	
		For Elevated Installation >35' To 40', Add	*33.94*	
		For Elevated Installation >40', Add	*37.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.36*	
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	105.52	29.37
		For Work In Restricted Working Space, Add	*22.05*	
		For Elevated Installation >10' To 15', Add	*7.35*	
		For Elevated Installation >15' To 20', Add	*14.70*	
		For Elevated Installation >20' To 25', Add	*18.38*	
		For Elevated Installation >25' To 30', Add	*25.73*	
		For Elevated Installation >30' To 35', Add	*29.40*	
		For Elevated Installation >35' To 40', Add	*36.75*	
		For Elevated Installation >40', Add	*40.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.05*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	165.27	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	226.45	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	324.22	54.66
		For Work In Restricted Working Space, Add	*41.01*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.34*	
		For Elevated Installation >20' To 25', Add	*34.17*	
		For Elevated Installation >25' To 30', Add	*47.84*	
		For Elevated Installation >30' To 35', Add	*54.68*	
		For Elevated Installation >35' To 40', Add	*68.35*	
		For Elevated Installation >40', Add	*75.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.01*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	368.55	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	634.78	72.87
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.43*	
		For Elevated Installation >20' To 25', Add	*45.54*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.86*	
		For Elevated Installation >35' To 40', Add	*91.08*	
		For Elevated Installation >40', Add	*100.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	813.92	84.26
		For Work In Restricted Working Space, Add	*63.19*	
		For Elevated Installation >10' To 15', Add	*21.06*	
		For Elevated Installation >15' To 20', Add	*42.12*	
		For Elevated Installation >20' To 25', Add	*52.66*	
		For Elevated Installation >25' To 30', Add	*73.72*	
		For Elevated Installation >30' To 35', Add	*84.25*	
		For Elevated Installation >35' To 40', Add	*105.31*	
		For Elevated Installation >40', Add	*115.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.19*	
26 05 33 13-0360		Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*		
26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	29.12	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	32.55	10.02
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.40	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	42.52	12.30
		For Work In Restricted Working Space, Add	*9.22*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.15*	
		For Elevated Installation >20' To 25', Add	*7.69*	
		For Elevated Installation >25' To 30', Add	*10.76*	
		For Elevated Installation >30' To 35', Add	*12.30*	
		For Elevated Installation >35' To 40', Add	*15.37*	
		For Elevated Installation >40', Add	*16.91*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	50.59	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.96*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.79*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	61.85	15.03
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.03*	
		For Elevated Installation >35' To 40', Add	*18.79*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	84.46	18.21
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	104.42	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	125.45	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	141.86	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
26 05 33 13-0371		**Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs** *(26 05 33 13-0060)*		
26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	25.15	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	28.04	11.39
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	34.64	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	42.53	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	54.75	22.78
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	63.55	25.62
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	77.83	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	104.50	35.87
		For Work In Restricted Working Space, Add	*21.52*	
		For Elevated Installation >10' To 15', Add	*7.17*	
		For Elevated Installation >15' To 20', Add	*14.35*	
		For Elevated Installation >20' To 25', Add	*17.94*	
		For Elevated Installation >25' To 30', Add	*25.11*	
		For Elevated Installation >30' To 35', Add	*28.70*	
		For Elevated Installation >35' To 40', Add	*35.87*	
		For Elevated Installation >40', Add	*39.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.52*	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	124.14	43.27
		For Work In Restricted Working Space, Add	*25.96*	
		For Elevated Installation >10' To 15', Add	*8.65*	
		For Elevated Installation >15' To 20', Add	*17.31*	
		For Elevated Installation >20' To 25', Add	*21.63*	
		For Elevated Installation >25' To 30', Add	*30.29*	
		For Elevated Installation >30' To 35', Add	*34.61*	
		For Elevated Installation >35' To 40', Add	*43.27*	
		For Elevated Installation >40', Add	*47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.96*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	152.06	51.24
		For Work In Restricted Working Space, Add	*30.74*	
		For Elevated Installation >10' To 15', Add	*10.25*	
		For Elevated Installation >15' To 20', Add	*20.49*	
		For Elevated Installation >20' To 25', Add	*25.62*	
		For Elevated Installation >25' To 30', Add	*35.86*	
		For Elevated Installation >30' To 35', Add	*40.99*	
		For Elevated Installation >35' To 40', Add	*51.24*	
		For Elevated Installation >40', Add	*56.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.74*	
26 05 33 13-0382		Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*		
		Note: Type AX		
26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	99.63	18.21
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.78*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	112.98	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	132.89	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.32*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	161.01	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.53*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.32*	
		For Elevated Installation >40', Add	*34.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	199.80	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	271.22	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.00*	
		For Elevated Installation >40', Add	*40.70*	
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	409.90	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	524.47	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	758.45	54.66
		For Work In Restricted Working Space, Add	*41.00*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.83*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.33*	
		For Elevated Installation >40', Add	*75.16*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	809.07	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,228.41	72.87
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.87*	
		For Elevated Installation >35' To 40', Add	*91.09*	
		For Elevated Installation >40', Add	*100.20*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,503.76	80.84
		For Work In Restricted Working Space, Add	*60.67*	
		For Elevated Installation >10' To 15', Add	*20.22*	
		For Elevated Installation >15' To 20', Add	*40.44*	
		For Elevated Installation >20' To 25', Add	*50.56*	
		For Elevated Installation >25' To 30', Add	*70.78*	
		For Elevated Installation >30' To 35', Add	*80.89*	
		For Elevated Installation >35' To 40', Add	*101.11*	
		For Elevated Installation >40', Add	*111.22*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	108.67	18.21
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.78*	
		For Elevated Installation >40', Add	*25.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	120.99	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	145.46	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.32*	
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	180.81	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.53*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.32*	
		For Elevated Installation >40', Add	*34.45*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	239.14	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	290.01	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.00*	
		For Elevated Installation >40', Add	*40.70*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	531.75	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	607.68	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	922.88	54.66
		For Work In Restricted Working Space, Add	*41.00*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.83*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.33*	
		For Elevated Installation >40', Add	*75.16*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	999.13	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,388.61	72.87
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.87*	
		For Elevated Installation >35' To 40', Add	*91.09*	
		For Elevated Installation >40', Add	*100.20*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,709.87	80.84
		For Work In Restricted Working Space, Add	*60.67*	
		For Elevated Installation >10' To 15', Add	*20.22*	
		For Elevated Installation >15' To 20', Add	*40.44*	
		For Elevated Installation >20' To 25', Add	*50.56*	
		For Elevated Installation >25' To 30', Add	*70.78*	
		For Elevated Installation >30' To 35', Add	*80.89*	
		For Elevated Installation >35' To 40', Add	*101.11*	
		For Elevated Installation >40', Add	*111.22*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type EX

26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	121.91	18.21
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.78*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	152.19	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	187.61	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.32*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	226.44	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.53*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.32*	
		For Elevated Installation >40', Add	*34.45*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	300.93	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	409.43	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.00*	
		For Elevated Installation >40', Add	*40.70*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	630.06	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	847.05	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,263.35	54.66
		For Work In Restricted Working Space, Add	*41.00*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.83*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.33*	
		For Elevated Installation >40', Add	*75.16*	
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,309.24	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,960.26	72.87
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.87*	
		For Elevated Installation >35' To 40', Add	*91.09*	
		For Elevated Installation >40', Add	*100.20*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,424.25	80.84
		For Work In Restricted Working Space, Add	*60.67*	
		For Elevated Installation >10' To 15', Add	*20.22*	
		For Elevated Installation >15' To 20', Add	*40.44*	
		For Elevated Installation >20' To 25', Add	*50.56*	
		For Elevated Installation >25' To 30', Add	*70.78*	
		For Elevated Installation >30' To 35', Add	*80.89*	
		For Elevated Installation >35' To 40', Add	*101.11*	
		For Elevated Installation >40', Add	*111.22*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	203.51	18.21
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.78*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	241.68	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	290.88	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.32*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	340.87	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.53*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.32*	
		For Elevated Installation >40', Add	*34.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	376.71	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	462.94	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.00*	
		For Elevated Installation >40', Add	*40.70*	
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	610.19	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	773.42	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	872.41	54.66
		For Work In Restricted Working Space, Add	*41.00*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.83*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.33*	
		For Elevated Installation >40', Add	*75.16*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,053.44	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,783.87	72.87
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.87*	
		For Elevated Installation >35' To 40', Add	*91.09*	
		For Elevated Installation >40', Add	*100.20*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,814.34	80.84
		For Work In Restricted Working Space, Add	*60.67*	
		For Elevated Installation >10' To 15', Add	*20.22*	
		For Elevated Installation >15' To 20', Add	*40.44*	
		For Elevated Installation >20' To 25', Add	*50.56*	
		For Elevated Installation >25' To 30', Add	*70.78*	
		For Elevated Installation >30' To 35', Add	*80.89*	
		For Elevated Installation >35' To 40', Add	*101.11*	
		For Elevated Installation >40', Add	*111.22*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	55.35	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	64.33	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	79.06	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	110.43	18.21
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	167.14	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	278.85	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	60.92	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	71.38	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	85.51	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	119.00	18.21
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	178.51	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	315.52	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
26 05 33 13-0447		Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*		
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	100.90	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	119.96	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	146.08	39.85
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	171.69	45.54
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	223.81	51.24
		For Work In Restricted Working Space, Add	*30.74*	
		For Elevated Installation >10' To 15', Add	*10.25*	
		For Elevated Installation >15' To 20', Add	*20.49*	
		For Elevated Installation >20' To 25', Add	*25.62*	
		For Elevated Installation >25' To 30', Add	*35.86*	
		For Elevated Installation >30' To 35', Add	*40.99*	
		For Elevated Installation >35' To 40', Add	*51.24*	
		For Elevated Installation >40', Add	*56.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.74*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	271.07	56.93
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	380.90	68.32
		For Work In Restricted Working Space, Add	*40.99*	
		For Elevated Installation >10' To 15', Add	*13.66*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.82*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.32*	
		For Elevated Installation >40', Add	*75.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.99*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	457.77	79.71
		For Work In Restricted Working Space, Add	*47.82*	
		For Elevated Installation >10' To 15', Add	*15.94*	
		For Elevated Installation >15' To 20', Add	*31.88*	
		For Elevated Installation >20' To 25', Add	*39.85*	
		For Elevated Installation >25' To 30', Add	*55.79*	
		For Elevated Installation >30' To 35', Add	*63.76*	
		For Elevated Installation >35' To 40', Add	*79.70*	
		For Elevated Installation >40', Add	*87.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.82*	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,042.70	91.09
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.87*	
		For Elevated Installation >35' To 40', Add	*91.09*	
		For Elevated Installation >40', Add	*100.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.65*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,200.89	102.47
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	
26 05 33 13-0458		**Rigid Galvanized Steel (RGS) Threaded Couplings** *(26 05 33 13-0060)*		
26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	15.05	6.83
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	21.09	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	27.70	12.52
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	31.81	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	38.33	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	44.95	19.36
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	57.26	21.63
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	67.15	24.48
		For Work In Restricted Working Space, Add	*14.69*	
		For Elevated Installation >10' To 15', Add	*4.90*	
		For Elevated Installation >15' To 20', Add	*9.79*	
		For Elevated Installation >20' To 25', Add	*12.24*	
		For Elevated Installation >25' To 30', Add	*17.14*	
		For Elevated Installation >30' To 35', Add	*19.58*	
		For Elevated Installation >35' To 40', Add	*24.48*	
		For Elevated Installation >40', Add	*26.93*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	78.09	26.76
		For Work In Restricted Working Space, Add	*16.05*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	82.53	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
26 05 33 13-0469		**Rigid Galvanized Steel (RGS) Sealing Locknut** *(26 05 33 13-0060)*		
26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.50	1.14
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	4.83	1.70
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	8.02	2.85
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	11.61	3.99
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	13.91	4.55
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	16.37	5.12
26 05 33 13-0476		**Rigid Galvanized Steel (RGS) Fire Stop Fittings** *(26 05 33 13-0060)*		
26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	209.73	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	213.06	15.15
		For Work In Restricted Working Space, Add	*11.36*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.47*	
		For Elevated Installation >25' To 30', Add	*13.26*	
		For Elevated Installation >30' To 35', Add	*15.15*	
		For Elevated Installation >35' To 40', Add	*18.94*	
		For Elevated Installation >40', Add	*20.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	255.88	16.62
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.30*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.52*	
		For Elevated Installation >30' To 35', Add	*16.59*	
		For Elevated Installation >35' To 40', Add	*20.74*	
		For Elevated Installation >40', Add	*22.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	280.89	18.21
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.12*	
		For Elevated Installation >20' To 25', Add	*11.40*	
		For Elevated Installation >25' To 30', Add	*15.95*	
		For Elevated Installation >30' To 35', Add	*18.23*	
		For Elevated Installation >35' To 40', Add	*22.79*	
		For Elevated Installation >40', Add	*25.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	320.54	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	475.30	22.78
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.94*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	546.58	30.41
		For Work In Restricted Working Space, Add	*22.79*	
		For Elevated Installation >10' To 15', Add	*7.60*	
		For Elevated Installation >15' To 20', Add	*15.19*	
		For Elevated Installation >20' To 25', Add	*18.99*	
		For Elevated Installation >25' To 30', Add	*26.58*	
		For Elevated Installation >30' To 35', Add	*30.38*	
		For Elevated Installation >35' To 40', Add	*37.98*	
		For Elevated Installation >40', Add	*41.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.79*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	606.39	33.36
		For Work In Restricted Working Space, Add	*25.04*	
		For Elevated Installation >10' To 15', Add	*8.35*	
		For Elevated Installation >15' To 20', Add	*16.69*	
		For Elevated Installation >20' To 25', Add	*20.87*	
		For Elevated Installation >25' To 30', Add	*29.21*	
		For Elevated Installation >30' To 35', Add	*33.39*	
		For Elevated Installation >35' To 40', Add	*41.74*	
		For Elevated Installation >40', Add	*45.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.04*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	705.53	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.78*	
		For Elevated Installation >25' To 30', Add	*31.89*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	795.34	40.99
		For Work In Restricted Working Space, Add	*30.74*	
		For Elevated Installation >10' To 15', Add	*10.25*	
		For Elevated Installation >15' To 20', Add	*20.49*	
		For Elevated Installation >20' To 25', Add	*25.62*	
		For Elevated Installation >25' To 30', Add	*35.86*	
		For Elevated Installation >30' To 35', Add	*40.99*	
		For Elevated Installation >35' To 40', Add	*51.24*	
		For Elevated Installation >40', Add	*56.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,068.19	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,329.10	50.55
		For Work In Restricted Working Space, Add	*37.92*	
		For Elevated Installation >10' To 15', Add	*12.64*	
		For Elevated Installation >15' To 20', Add	*25.28*	
		For Elevated Installation >20' To 25', Add	*31.60*	
		For Elevated Installation >25' To 30', Add	*44.24*	
		For Elevated Installation >30' To 35', Add	*50.56*	
		For Elevated Installation >35' To 40', Add	*63.20*	
		For Elevated Installation >40', Add	*69.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.92*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.60	8.82
		For Work In Restricted Working Space, Add	*5.30*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.53*	
		For Elevated Installation >20' To 25', Add	*4.41*	
		For Elevated Installation >25' To 30', Add	*6.18*	
		For Elevated Installation >30' To 35', Add	*7.06*	
		For Elevated Installation >35' To 40', Add	*8.83*	
		For Elevated Installation >40', Add	*9.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.53	9.39
		For Work In Restricted Working Space, Add	*5.64*	
		For Elevated Installation >10' To 15', Add	*1.88*	
		For Elevated Installation >15' To 20', Add	*3.76*	
		For Elevated Installation >20' To 25', Add	*4.70*	
		For Elevated Installation >25' To 30', Add	*6.58*	
		For Elevated Installation >30' To 35', Add	*7.52*	
		For Elevated Installation >35' To 40', Add	*9.40*	
		For Elevated Installation >40', Add	*10.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.10	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	24.44	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15', Add	*1.99*	
		For Elevated Installation >15' To 20', Add	*3.99*	
		For Elevated Installation >20' To 25', Add	*4.98*	
		For Elevated Installation >25' To 30', Add	*6.98*	
		For Elevated Installation >30' To 35', Add	*7.97*	
		For Elevated Installation >35' To 40', Add	*9.97*	
		For Elevated Installation >40', Add	*10.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	25.00	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	26.14	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	28.24	11.39
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.80	11.67
		For Work In Restricted Working Space, Add	*7.00*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.67*	
		For Elevated Installation >20' To 25', Add	*5.84*	
		For Elevated Installation >25' To 30', Add	*8.17*	
		For Elevated Installation >30' To 35', Add	*9.34*	
		For Elevated Installation >35' To 40', Add	*11.67*	
		For Elevated Installation >40', Add	*12.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	29.94	12.24
		For Work In Restricted Working Space, Add	*7.34*	
		For Elevated Installation >10' To 15', Add	*2.45*	
		For Elevated Installation >15' To 20', Add	*4.90*	
		For Elevated Installation >20' To 25', Add	*6.12*	
		For Elevated Installation >25' To 30', Add	*8.57*	
		For Elevated Installation >30' To 35', Add	*9.79*	
		For Elevated Installation >35' To 40', Add	*12.24*	
		For Elevated Installation >40', Add	*13.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	31.08	12.81
		For Work In Restricted Working Space, Add	*7.69*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.12*	
		For Elevated Installation >20' To 25', Add	*6.41*	
		For Elevated Installation >25' To 30', Add	*8.97*	
		For Elevated Installation >30' To 35', Add	*10.25*	
		For Elevated Installation >35' To 40', Add	*12.81*	
		For Elevated Installation >40', Add	*14.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	37.61	12.81
		For Work In Restricted Working Space, Add	*7.69*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.12*	
		For Elevated Installation >20' To 25', Add	*6.41*	
		For Elevated Installation >25' To 30', Add	*8.97*	
		For Elevated Installation >30' To 35', Add	*10.25*	
		For Elevated Installation >35' To 40', Add	*12.81*	
		For Elevated Installation >40', Add	*14.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	38.17	13.09
		For Work In Restricted Working Space, Add	*7.85*	
		For Elevated Installation >10' To 15', Add	*2.62*	
		For Elevated Installation >15' To 20', Add	*5.24*	
		For Elevated Installation >20' To 25', Add	*6.55*	
		For Elevated Installation >25' To 30', Add	*9.16*	
		For Elevated Installation >30' To 35', Add	*10.47*	
		For Elevated Installation >35' To 40', Add	*13.09*	
		For Elevated Installation >40', Add	*14.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.85*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	39.32	13.66
		For Work In Restricted Working Space, Add	*8.20*	
		For Elevated Installation >10' To 15', Add	*2.73*	
		For Elevated Installation >15' To 20', Add	*5.47*	
		For Elevated Installation >20' To 25', Add	*6.83*	
		For Elevated Installation >25' To 30', Add	*9.57*	
		For Elevated Installation >30' To 35', Add	*10.93*	
		For Elevated Installation >35' To 40', Add	*13.67*	
		For Elevated Installation >40', Add	*15.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.20*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	40.46	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	43.31	15.66
		For Work In Restricted Working Space, Add	*9.40*	
		For Elevated Installation >10' To 15', Add	*3.13*	
		For Elevated Installation >15' To 20', Add	*6.26*	
		For Elevated Installation >20' To 25', Add	*7.83*	
		For Elevated Installation >25' To 30', Add	*10.96*	
		For Elevated Installation >30' To 35', Add	*12.53*	
		For Elevated Installation >35' To 40', Add	*15.66*	
		For Elevated Installation >40', Add	*17.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.40*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	54.77	18.51
		For Work In Restricted Working Space, Add	*11.10*	
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.37	1.14
		For Work In Restricted Working Space, Add	*0.68*	
		For Elevated Installation >10' To 15', Add	*0.23*	
		For Elevated Installation >15' To 20', Add	*0.46*	
		For Elevated Installation >20' To 25', Add	*0.57*	
		For Elevated Installation >25' To 30', Add	*0.80*	
		For Elevated Installation >30' To 35', Add	*0.91*	
		For Elevated Installation >35' To 40', Add	*1.14*	
		For Elevated Installation >40', Add	*1.25*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.54	1.70
		For Work In Restricted Working Space, Add	*1.03*	
		For Elevated Installation >10' To 15', Add	*0.34*	
		For Elevated Installation >15' To 20', Add	*0.68*	
		For Elevated Installation >20' To 25', Add	*0.86*	
		For Elevated Installation >25' To 30', Add	*1.20*	
		For Elevated Installation >30' To 35', Add	*1.37*	
		For Elevated Installation >35' To 40', Add	*1.71*	
		For Elevated Installation >40', Add	*1.88*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	5.89	2.85
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.30	3.99
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.54	4.55
		For Work In Restricted Working Space, Add	*2.73*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.82*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.19*	
		For Elevated Installation >30' To 35', Add	*3.64*	
		For Elevated Installation >35' To 40', Add	*4.56*	
		For Elevated Installation >40', Add	*5.01*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	10.78	5.12
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	15.08	6.83
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	18.65	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	21.97	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	24.63	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.58	1.14
		For Work In Restricted Working Space, Add	*0.68*	
		For Elevated Installation >10' To 15', Add	*0.23*	
		For Elevated Installation >15' To 20', Add	*0.46*	
		For Elevated Installation >20' To 25', Add	*0.57*	
		For Elevated Installation >25' To 30', Add	*0.80*	
		For Elevated Installation >30' To 35', Add	*0.91*	
		For Elevated Installation >35' To 40', Add	*1.14*	
		For Elevated Installation >40', Add	*1.25*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	4.98	1.70
		For Work In Restricted Working Space, Add	*1.03*	
		For Elevated Installation >10' To 15', Add	*0.34*	
		For Elevated Installation >15' To 20', Add	*0.68*	
		For Elevated Installation >20' To 25', Add	*0.86*	
		For Elevated Installation >25' To 30', Add	*1.20*	
		For Elevated Installation >30' To 35', Add	*1.37*	
		For Elevated Installation >35' To 40', Add	*1.71*	
		For Elevated Installation >40', Add	*1.88*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.92	2.85
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.08	3.99
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	12.51	4.55
		For Work In Restricted Working Space, Add	*2.73*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.82*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.19*	
		For Elevated Installation >30' To 35', Add	*3.64*	
		For Elevated Installation >35' To 40', Add	*4.56*	
		For Elevated Installation >40', Add	*5.01*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	14.68	5.12
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	21.90	6.83
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	27.54	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	36.35	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	43.54	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
26 05 33 13-0528		Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*		
26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.08	3.42
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	12.64	4.55
		For Work In Restricted Working Space, Add	*2.73*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.82*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.19*	
		For Elevated Installation >30' To 35', Add	*3.64*	
		For Elevated Installation >35' To 40', Add	*4.56*	
		For Elevated Installation >40', Add	*5.01*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	16.14	5.69
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	23.51	9.11
		For Work In Restricted Working Space, Add	*5.46*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.64*	
		For Elevated Installation >20' To 25', Add	*4.55*	
		For Elevated Installation >25' To 30', Add	*6.37*	
		For Elevated Installation >30' To 35', Add	*7.28*	
		For Elevated Installation >35' To 40', Add	*9.11*	
		For Elevated Installation >40', Add	*10.02*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	26.49	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0534		EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	30.14	11.39
			For Work In Restricted Working Space, Add	*6.83*	
			For Elevated Installation >10' To 15', Add	*2.28*	
			For Elevated Installation >15' To 20', Add	*4.56*	
			For Elevated Installation >20' To 25', Add	*5.70*	
			For Elevated Installation >25' To 30', Add	*7.97*	
			For Elevated Installation >30' To 35', Add	*9.11*	
			For Elevated Installation >35' To 40', Add	*11.39*	
			For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0535		EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	41.55	13.66
			For Work In Restricted Working Space, Add	*8.20*	
			For Elevated Installation >10' To 15', Add	*2.73*	
			For Elevated Installation >15' To 20', Add	*5.47*	
			For Elevated Installation >20' To 25', Add	*6.83*	
			For Elevated Installation >25' To 30', Add	*9.57*	
			For Elevated Installation >30' To 35', Add	*10.93*	
			For Elevated Installation >35' To 40', Add	*13.67*	
			For Elevated Installation >40', Add	*15.03*	
26 05 33 13-0536		EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	50.44	17.08
			For Work In Restricted Working Space, Add	*10.25*	
			For Elevated Installation >10' To 15', Add	*3.42*	
			For Elevated Installation >15' To 20', Add	*6.83*	
			For Elevated Installation >20' To 25', Add	*8.54*	
			For Elevated Installation >25' To 30', Add	*11.95*	
			For Elevated Installation >30' To 35', Add	*13.66*	
			For Elevated Installation >35' To 40', Add	*17.08*	
			For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0537		EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	62.37	22.78
			For Work In Restricted Working Space, Add	*13.66*	
			For Elevated Installation >10' To 15', Add	*4.55*	
			For Elevated Installation >15' To 20', Add	*9.11*	
			For Elevated Installation >20' To 25', Add	*11.39*	
			For Elevated Installation >25' To 30', Add	*15.94*	
			For Elevated Installation >30' To 35', Add	*18.22*	
			For Elevated Installation >35' To 40', Add	*22.77*	
			For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0538		EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	75.96	28.47
			For Work In Restricted Working Space, Add	*17.08*	
			For Elevated Installation >10' To 15', Add	*5.69*	
			For Elevated Installation >15' To 20', Add	*11.39*	
			For Elevated Installation >20' To 25', Add	*14.23*	
			For Elevated Installation >25' To 30', Add	*19.93*	
			For Elevated Installation >30' To 35', Add	*22.77*	
			For Elevated Installation >35' To 40', Add	*28.47*	
			For Elevated Installation >40', Add	*31.31*	
26 05 33 13-0539			Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*		
26 05 33 13-0540		EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	24.01	10.25
			For Work In Restricted Working Space, Add	*6.15*	
			For Elevated Installation >10' To 15', Add	*2.05*	
			For Elevated Installation >15' To 20', Add	*4.10*	
			For Elevated Installation >20' To 25', Add	*5.12*	
			For Elevated Installation >25' To 30', Add	*7.17*	
			For Elevated Installation >30' To 35', Add	*8.20*	
			For Elevated Installation >35' To 40', Add	*10.25*	
			For Elevated Installation >40', Add	*11.27*	
26 05 33 13-0541		EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	28.44	11.39
			For Work In Restricted Working Space, Add	*6.83*	
			For Elevated Installation >10' To 15', Add	*2.28*	
			For Elevated Installation >15' To 20', Add	*4.56*	
			For Elevated Installation >20' To 25', Add	*5.70*	
			For Elevated Installation >25' To 30', Add	*7.97*	
			For Elevated Installation >30' To 35', Add	*9.11*	
			For Elevated Installation >35' To 40', Add	*11.39*	
			For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0542		EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	37.31	14.24
			For Work In Restricted Working Space, Add	*8.54*	
			For Elevated Installation >10' To 15', Add	*2.85*	
			For Elevated Installation >15' To 20', Add	*5.69*	
			For Elevated Installation >20' To 25', Add	*7.12*	
			For Elevated Installation >25' To 30', Add	*9.96*	
			For Elevated Installation >30' To 35', Add	*11.39*	
			For Elevated Installation >35' To 40', Add	*14.24*	
			For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0543		EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	50.79	17.08
			For Work In Restricted Working Space, Add	*10.25*	
			For Elevated Installation >10' To 15', Add	*3.42*	
			For Elevated Installation >15' To 20', Add	*6.83*	
			For Elevated Installation >20' To 25', Add	*8.54*	
			For Elevated Installation >25' To 30', Add	*11.95*	
			For Elevated Installation >30' To 35', Add	*13.66*	
			For Elevated Installation >35' To 40', Add	*17.08*	
			For Elevated Installation >40', Add	*18.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	68.59	22.78
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	101.15	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	170.32	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	214.94	39.85
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	273.50	48.39
		For Work In Restricted Working Space, Add	*29.03*	
		For Elevated Installation >10' To 15', Add	*9.68*	
		For Elevated Installation >15' To 20', Add	*19.36*	
		For Elevated Installation >20' To 25', Add	*24.20*	
		For Elevated Installation >25' To 30', Add	*33.87*	
		For Elevated Installation >30' To 35', Add	*38.71*	
		For Elevated Installation >35' To 40', Add	*48.39*	
		For Elevated Installation >40', Add	*53.23*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	330.21	56.93
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	34.14	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	43.25	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	61.41	22.78
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	80.42	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	98.90	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	146.58	39.85
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	231.95	45.54
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	265.18	39.29
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	365.23	59.78
		For Work In Restricted Working Space, Add	*35.87*	
		For Elevated Installation >10' To 15', Add	*11.96*	
		For Elevated Installation >15' To 20', Add	*23.91*	
		For Elevated Installation >20' To 25', Add	*29.89*	
		For Elevated Installation >25' To 30', Add	*41.85*	
		For Elevated Installation >30' To 35', Add	*47.82*	
		For Elevated Installation >35' To 40', Add	*59.78*	
		For Elevated Installation >40', Add	*65.76*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	450.99	68.32
		For Work In Restricted Working Space, Add	*40.99*	
		For Elevated Installation >10' To 15', Add	*13.66*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.82*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.32*	
		For Elevated Installation >40', Add	*75.15*	
26 05 33 13-0561		Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*		
26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	5.97	2.85
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.19	3.42
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	8.54	3.99
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.00	5.12
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	12.44	5.69
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	15.13	6.83
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0568		Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*		
26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.34	2.85
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.75	3.42
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	10.62	3.99
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	13.66	5.12
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	16.83	5.69
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	20.36	6.83
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	24.96	8.54
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	29.20	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	35.49	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	41.69	11.96
		For Work In Restricted Working Space, Add	*7.17*	
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.56*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.15*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	14.08	6.83
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	16.65	7.97
		For Work In Restricted Working Space, Add	*4.78*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.97*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	20.90	9.67
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	25.45	11.39
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	31.91	14.24
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	39.73	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	50.46	19.93
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	56.43	22.78
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	70.49	25.62
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	97.27	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	27.81	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	32.31	11.96
		For Work In Restricted Working Space, Add	*7.17*	
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.56*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.15*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	41.28	13.66
		For Work In Restricted Working Space, Add	*8.20*	
		For Elevated Installation >10' To 15', Add	*2.73*	
		For Elevated Installation >15' To 20', Add	*5.47*	
		For Elevated Installation >20' To 25', Add	*6.83*	
		For Elevated Installation >25' To 30', Add	*9.57*	
		For Elevated Installation >30' To 35', Add	*10.93*	
		For Elevated Installation >35' To 40', Add	*13.67*	
		For Elevated Installation >40', Add	*15.03*	
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	52.93	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	70.80	20.49
		For Work In Restricted Working Space, Add	*12.30*	
		For Elevated Installation >10' To 15', Add	*4.10*	
		For Elevated Installation >15' To 20', Add	*8.20*	
		For Elevated Installation >20' To 25', Add	*10.25*	
		For Elevated Installation >25' To 30', Add	*14.35*	
		For Elevated Installation >30' To 35', Add	*16.40*	
		For Elevated Installation >35' To 40', Add	*20.50*	
		For Elevated Installation >40', Add	*22.54*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	95.00	23.91
		For Work In Restricted Working Space, Add	*14.35*	
		For Elevated Installation >10' To 15', Add	*4.78*	
		For Elevated Installation >15' To 20', Add	*9.56*	
		For Elevated Installation >20' To 25', Add	*11.96*	
		For Elevated Installation >25' To 30', Add	*16.74*	
		For Elevated Installation >30' To 35', Add	*19.13*	
		For Elevated Installation >35' To 40', Add	*23.91*	
		For Elevated Installation >40', Add	*26.30*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	132.55	27.33
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	233.33	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	6.14	2.05
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000, Deduct	*-0.49*	
		For Installation In Metal Stud Wall, Add	*0.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.54*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.02*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.79*	
		For Elevated Installation >30' To 35', Add	*2.05*	
		For Elevated Installation >35' To 40', Add	*2.56*	
		For Elevated Installation >40', Add	*2.82*	
		For Factory Applied Color Coating, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	7.29	2.28
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.59*	
		For Installation In Metal Stud Wall, Add	*0.57*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.42*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
		For Factory Applied Color Coating, Add	*0.48*	
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	8.93	2.51
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.74*	
		For Installation In Metal Stud Wall, Add	*0.63*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.57*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.94*	
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.57*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.51*	
		For Elevated Installation >35' To 40', Add	*3.14*	
		For Elevated Installation >40', Add	*3.45*	
		For Factory Applied Color Coating, Add	*0.80*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	11.25	2.83
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.95*	
		For Installation In Metal Stud Wall, Add	*0.71*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.77*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.06*	
		For Work In Restricted Working Space, Add	*2.12*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.41*	
		For Elevated Installation >20' To 25', Add	*1.77*	
		For Elevated Installation >25' To 30', Add	*2.47*	
		For Elevated Installation >30' To 35', Add	*2.82*	
		For Elevated Installation >35' To 40', Add	*3.53*	
		For Elevated Installation >40', Add	*3.88*	
		For Factory Applied Color Coating, Add	*1.26*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	13.19	3.19
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.12*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.99*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.20*	
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
		For Factory Applied Color Coating, Add	*1.57*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	15.30	3.64
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000, Deduct	*-1.30*	
		For Installation In Metal Stud Wall, Add	*0.91*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.37*	
		For Work In Restricted Working Space, Add	*2.73*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.82*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.19*	
		For Elevated Installation >30' To 35', Add	*3.64*	
		For Elevated Installation >35' To 40', Add	*4.56*	
		For Elevated Installation >40', Add	*5.01*	
		For Factory Applied Color Coating, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	19.99	4.33
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.73*	
		For Installation In Metal Stud Wall, Add	*1.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.71*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.62*	
		For Work In Restricted Working Space, Add	*3.25*	
		For Elevated Installation >10' To 15', Add	*1.08*	
		For Elevated Installation >15' To 20', Add	*2.16*	
		For Elevated Installation >20' To 25', Add	*2.71*	
		For Elevated Installation >25' To 30', Add	*3.79*	
		For Elevated Installation >30' To 35', Add	*4.33*	
		For Elevated Installation >35' To 40', Add	*5.41*	
		For Elevated Installation >40', Add	*5.95*	
		For Factory Applied Color Coating, Add	*2.75*	
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	24.00	5.01
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.09*	
		For Installation In Metal Stud Wall, Add	*1.25*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.76*	
		For Elevated Installation >10' To 15', Add	*1.25*	
		For Elevated Installation >15' To 20', Add	*2.50*	
		For Elevated Installation >20' To 25', Add	*3.13*	
		For Elevated Installation >25' To 30', Add	*4.38*	
		For Elevated Installation >30' To 35', Add	*5.01*	
		For Elevated Installation >35' To 40', Add	*6.26*	
		For Elevated Installation >40', Add	*6.89*	
		For Factory Applied Color Coating, Add	*3.44*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	30.15	5.92
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.64*	
		For Installation In Metal Stud Wall, Add	*1.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.70*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.22*	
		For Work In Restricted Working Space, Add	*4.44*	
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.41*	
		For Elevated Installation >40', Add	*8.15*	
		For Factory Applied Color Coating, Add	*4.60*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	39.59	8.92
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-2.41*	
		For >1,000, Deduct	*-3.40*	
		For Installation In Metal Stud Wall, Add	*2.23*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.58*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.35*	
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15', Add	*2.23*	
		For Elevated Installation >15' To 20', Add	*4.46*	
		For Elevated Installation >20' To 25', Add	*5.58*	
		For Elevated Installation >25' To 30', Add	*7.81*	
		For Elevated Installation >30' To 35', Add	*8.92*	
		For Elevated Installation >35' To 40', Add	*11.16*	
		For Elevated Installation >40', Add	*12.27*	
		For Factory Applied Color Coating, Add	*5.18*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	14.84	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Elevated Installation >10' To 15', Add	*1.25*	
		For Elevated Installation >15' To 20', Add	*2.50*	
		For Elevated Installation >20' To 25', Add	*3.13*	
		For Elevated Installation >25' To 30', Add	*4.38*	
		For Elevated Installation >30' To 35', Add	*5.01*	
		For Elevated Installation >35' To 40', Add	*6.26*	
		For Elevated Installation >40', Add	*6.89*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.72	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	19.18	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.97*	
		For Elevated Installation >40', Add	*8.77*	
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	21.11	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	25.03	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.28*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	32.88	10.48
		For Work In Restricted Working Space, Add	*7.85*	
		For Elevated Installation >10' To 15', Add	*2.62*	
		For Elevated Installation >15' To 20', Add	*5.24*	
		For Elevated Installation >20' To 25', Add	*6.55*	
		For Elevated Installation >25' To 30', Add	*9.16*	
		For Elevated Installation >30' To 35', Add	*10.47*	
		For Elevated Installation >35' To 40', Add	*13.09*	
		For Elevated Installation >40', Add	*14.40*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	44.40	11.84
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.80*	
		For Elevated Installation >40', Add	*16.28*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	56.92	13.21
		For Work In Restricted Working Space, Add	*9.91*	
		For Elevated Installation >10' To 15', Add	*3.30*	
		For Elevated Installation >15' To 20', Add	*6.60*	
		For Elevated Installation >20' To 25', Add	*8.26*	
		For Elevated Installation >25' To 30', Add	*11.56*	
		For Elevated Installation >30' To 35', Add	*13.21*	
		For Elevated Installation >35' To 40', Add	*16.51*	
		For Elevated Installation >40', Add	*18.16*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	64.71	14.58
		For Work In Restricted Working Space, Add	*10.93*	
		For Elevated Installation >10' To 15', Add	*3.64*	
		For Elevated Installation >15' To 20', Add	*7.29*	
		For Elevated Installation >20' To 25', Add	*9.11*	
		For Elevated Installation >25' To 30', Add	*12.75*	
		For Elevated Installation >30' To 35', Add	*14.58*	
		For Elevated Installation >35' To 40', Add	*18.22*	
		For Elevated Installation >40', Add	*20.04*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	136.06	39.06
		For Work In Restricted Working Space, Add	*29.29*	
		For Elevated Installation >10' To 15', Add	*9.76*	
		For Elevated Installation >15' To 20', Add	*19.53*	
		For Elevated Installation >20' To 25', Add	*24.41*	
		For Elevated Installation >25' To 30', Add	*34.17*	
		For Elevated Installation >30' To 35', Add	*39.06*	
		For Elevated Installation >35' To 40', Add	*48.82*	
		For Elevated Installation >40', Add	*53.70*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	14.59	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Elevated Installation >10' To 15', Add	*1.25*	
		For Elevated Installation >15' To 20', Add	*2.50*	
		For Elevated Installation >20' To 25', Add	*3.13*	
		For Elevated Installation >25' To 30', Add	*4.38*	
		For Elevated Installation >30' To 35', Add	*5.01*	
		For Elevated Installation >35' To 40', Add	*6.26*	
		For Elevated Installation >40', Add	*6.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.87	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	19.51	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.97*	
		For Elevated Installation >40', Add	*8.77*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	21.73	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	25.81	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.28*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	32.63	10.48
		For Work In Restricted Working Space, Add	*7.85*	
		For Elevated Installation >10' To 15', Add	*2.62*	
		For Elevated Installation >15' To 20', Add	*5.24*	
		For Elevated Installation >20' To 25', Add	*6.55*	
		For Elevated Installation >25' To 30', Add	*9.16*	
		For Elevated Installation >30' To 35', Add	*10.47*	
		For Elevated Installation >35' To 40', Add	*13.09*	
		For Elevated Installation >40', Add	*14.40*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	46.66	11.84
		For Work In Restricted Working Space, Add	*8.88*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.80*	
		For Elevated Installation >40', Add	*16.28*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	58.72	13.21
		For Work In Restricted Working Space, Add	*9.91*	
		For Elevated Installation >10' To 15', Add	*3.30*	
		For Elevated Installation >15' To 20', Add	*6.60*	
		For Elevated Installation >20' To 25', Add	*8.26*	
		For Elevated Installation >25' To 30', Add	*11.56*	
		For Elevated Installation >30' To 35', Add	*13.21*	
		For Elevated Installation >35' To 40', Add	*16.51*	
		For Elevated Installation >40', Add	*18.16*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	69.60	14.58
		For Work In Restricted Working Space, Add	*10.93*	
		For Elevated Installation >10' To 15', Add	*3.64*	
		For Elevated Installation >15' To 20', Add	*7.29*	
		For Elevated Installation >20' To 25', Add	*9.11*	
		For Elevated Installation >25' To 30', Add	*12.75*	
		For Elevated Installation >30' To 35', Add	*14.58*	
		For Elevated Installation >35' To 40', Add	*18.22*	
		For Elevated Installation >40', Add	*20.04*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	132.64	39.06
		For Work In Restricted Working Space, Add	*29.29*	
		For Elevated Installation >10' To 15', Add	*9.76*	
		For Elevated Installation >15' To 20', Add	*19.53*	
		For Elevated Installation >20' To 25', Add	*24.41*	
		For Elevated Installation >25' To 30', Add	*34.17*	
		For Elevated Installation >30' To 35', Add	*39.06*	
		For Elevated Installation >35' To 40', Add	*48.82*	
		For Elevated Installation >40', Add	*53.70*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.96	2.74
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.22	2.74
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.57	3.19
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.56	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.26	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Elevated Installation >10' To 15', Add	*1.25*	
		For Elevated Installation >15' To 20', Add	*2.51*	
		For Elevated Installation >20' To 25', Add	*3.13*	
		For Elevated Installation >25' To 30', Add	*4.39*	
		For Elevated Installation >30' To 35', Add	*5.01*	
		For Elevated Installation >35' To 40', Add	*6.27*	
		For Elevated Installation >40', Add	*6.89*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	19.37	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.41*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.97*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	26.81	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	34.72	10.48
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	39.10	11.39
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	113.57	32.36
		For Work In Restricted Working Space, Add	*31.43*	
		For Elevated Installation >10' To 15', Add	*10.48*	
		For Elevated Installation >15' To 20', Add	*20.95*	
		For Elevated Installation >20' To 25', Add	*26.19*	
		For Elevated Installation >25' To 30', Add	*36.66*	
		For Elevated Installation >30' To 35', Add	*41.90*	
		For Elevated Installation >35' To 40', Add	*52.38*	
		For Elevated Installation >40', Add	*57.61*	
26 05 33 13-0644		Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*		
26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	7.49	2.74
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	8.70	3.19
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	12.40	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	15.77	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	18.91	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.97*	
		For Elevated Installation >40', Add	*8.77*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	25.17	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	39.55	10.93
		For Work In Restricted Working Space, Add	*8.20*	
		For Elevated Installation >10' To 15', Add	*2.73*	
		For Elevated Installation >15' To 20', Add	*5.47*	
		For Elevated Installation >20' To 25', Add	*6.83*	
		For Elevated Installation >25' To 30', Add	*9.57*	
		For Elevated Installation >30' To 35', Add	*10.93*	
		For Elevated Installation >35' To 40', Add	*13.67*	
		For Elevated Installation >40', Add	*15.03*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	45.76	12.75
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	57.22	15.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	73.39	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
26 05 33 13-0655		**Electrical Metallic Tubing (EMT) Raintight Compression Couplings** *(26 05 33 13-0599)*		
26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.44	2.74
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.05*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	9.74	3.19
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.39*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	14.38	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	18.17	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	23.18	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.97*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	28.25	7.74
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	38.01	10.48
		For Work In Restricted Working Space, Add	*7.85*	
		For Elevated Installation >10' To 15', Add	*2.62*	
		For Elevated Installation >15' To 20', Add	*5.24*	
		For Elevated Installation >20' To 25', Add	*6.55*	
		For Elevated Installation >25' To 30', Add	*9.16*	
		For Elevated Installation >30' To 35', Add	*10.47*	
		For Elevated Installation >35' To 40', Add	*13.09*	
		For Elevated Installation >40', Add	*14.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.85*	
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	47.95	12.75
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15', Add	*3.19*	
		For Elevated Installation >15' To 20', Add	*6.38*	
		For Elevated Installation >20' To 25', Add	*7.97*	
		For Elevated Installation >25' To 30', Add	*11.16*	
		For Elevated Installation >30' To 35', Add	*12.75*	
		For Elevated Installation >35' To 40', Add	*15.94*	
		For Elevated Installation >40', Add	*17.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	63.10	15.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	77.23	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	7.72	3.08
		For Work In Restricted Working Space, Add	*2.29*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.53*	
		For Elevated Installation >20' To 25', Add	*1.91*	
		For Elevated Installation >25' To 30', Add	*2.67*	
		For Elevated Installation >30' To 35', Add	*3.05*	
		For Elevated Installation >35' To 40', Add	*3.82*	
		For Elevated Installation >40', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.29*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	8.45	3.30
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.91*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.16*	
		For Elevated Installation >40', Add	*4.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	10.58	4.10
		For Work In Restricted Working Space, Add	*3.04*	
		For Elevated Installation >10' To 15', Add	*1.01*	
		For Elevated Installation >15' To 20', Add	*2.03*	
		For Elevated Installation >20' To 25', Add	*2.53*	
		For Elevated Installation >25' To 30', Add	*3.55*	
		For Elevated Installation >30' To 35', Add	*4.05*	
		For Elevated Installation >35' To 40', Add	*5.07*	
		For Elevated Installation >40', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.04*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	13.53	5.23
		For Work In Restricted Working Space, Add	*3.89*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.54*	
		For Elevated Installation >30' To 35', Add	*5.19*	
		For Elevated Installation >35' To 40', Add	*6.49*	
		For Elevated Installation >40', Add	*7.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	16.02	6.03
		For Work In Restricted Working Space, Add	*4.55*	
		For Elevated Installation >10' To 15', Add	*1.52*	
		For Elevated Installation >15' To 20', Add	*3.03*	
		For Elevated Installation >20' To 25', Add	*3.79*	
		For Elevated Installation >25' To 30', Add	*5.30*	
		For Elevated Installation >30' To 35', Add	*6.06*	
		For Elevated Installation >35' To 40', Add	*7.58*	
		For Elevated Installation >40', Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	19.66	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.64*	
		For Elevated Installation >20' To 25', Add	*4.55*	
		For Elevated Installation >25' To 30', Add	*6.37*	
		For Elevated Installation >30' To 35', Add	*7.28*	
		For Elevated Installation >35' To 40', Add	*9.11*	
		For Elevated Installation >40', Add	*10.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	28.42	10.13
		For Work In Restricted Working Space, Add	*7.58*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.06*	
		For Elevated Installation >20' To 25', Add	*6.32*	
		For Elevated Installation >25' To 30', Add	*8.85*	
		For Elevated Installation >30' To 35', Add	*10.11*	
		For Elevated Installation >35' To 40', Add	*12.64*	
		For Elevated Installation >40', Add	*13.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	37.69	13.43
		For Work In Restricted Working Space, Add	*10.11*	
		For Elevated Installation >10' To 15', Add	*3.37*	
		For Elevated Installation >15' To 20', Add	*6.74*	
		For Elevated Installation >20' To 25', Add	*8.43*	
		For Elevated Installation >25' To 30', Add	*11.80*	
		For Elevated Installation >30' To 35', Add	*13.48*	
		For Elevated Installation >35' To 40', Add	*16.85*	
		For Elevated Installation >40', Add	*18.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	48.30	17.30
		For Work In Restricted Working Space, Add	*13.01*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.68*	
		For Elevated Installation >20' To 25', Add	*10.85*	
		For Elevated Installation >25' To 30', Add	*15.18*	
		For Elevated Installation >30' To 35', Add	*17.35*	
		For Elevated Installation >35' To 40', Add	*21.69*	
		For Elevated Installation >40', Add	*23.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.01*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	62.41	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.90	2.28
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.71*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.17	2.74
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	8.57	3.19
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.39*	
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.49	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.26	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	19.45	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	29.38	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	36.54	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	43.22	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	50.35	15.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.98	3.08
		For Work In Restricted Working Space, Add	*2.29*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.53*	
		For Elevated Installation >20' To 25', Add	*1.91*	
		For Elevated Installation >25' To 30', Add	*2.67*	
		For Elevated Installation >30' To 35', Add	*3.05*	
		For Elevated Installation >35' To 40', Add	*3.82*	
		For Elevated Installation >40', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.29*	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.87	3.30
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.91*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.16*	
		For Elevated Installation >40', Add	*4.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.13	4.10
		For Work In Restricted Working Space, Add	*3.04*	
		For Elevated Installation >10' To 15', Add	*1.01*	
		For Elevated Installation >15' To 20', Add	*2.03*	
		For Elevated Installation >20' To 25', Add	*2.53*	
		For Elevated Installation >25' To 30', Add	*3.55*	
		For Elevated Installation >30' To 35', Add	*4.05*	
		For Elevated Installation >35' To 40', Add	*5.07*	
		For Elevated Installation >40', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.04*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.65	5.23
		For Work In Restricted Working Space, Add	*3.89*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.54*	
		For Elevated Installation >30' To 35', Add	*5.19*	
		For Elevated Installation >35' To 40', Add	*6.49*	
		For Elevated Installation >40', Add	*7.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.37	6.03
		For Work In Restricted Working Space, Add	*4.55*	
		For Elevated Installation >10' To 15', Add	*1.52*	
		For Elevated Installation >15' To 20', Add	*3.03*	
		For Elevated Installation >20' To 25', Add	*3.79*	
		For Elevated Installation >25' To 30', Add	*5.30*	
		For Elevated Installation >30' To 35', Add	*6.06*	
		For Elevated Installation >35' To 40', Add	*7.58*	
		For Elevated Installation >40', Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.26	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.64*	
		For Elevated Installation >20' To 25', Add	*4.55*	
		For Elevated Installation >25' To 30', Add	*6.37*	
		For Elevated Installation >30' To 35', Add	*7.28*	
		For Elevated Installation >35' To 40', Add	*9.11*	
		For Elevated Installation >40', Add	*10.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	35.27	10.13
		For Work In Restricted Working Space, Add	*7.58*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.06*	
		For Elevated Installation >20' To 25', Add	*6.32*	
		For Elevated Installation >25' To 30', Add	*8.85*	
		For Elevated Installation >30' To 35', Add	*10.11*	
		For Elevated Installation >35' To 40', Add	*12.64*	
		For Elevated Installation >40', Add	*13.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	45.65	13.43
		For Work In Restricted Working Space, Add	*10.11*	
		For Elevated Installation >10' To 15', Add	*3.37*	
		For Elevated Installation >15' To 20', Add	*6.74*	
		For Elevated Installation >20' To 25', Add	*8.43*	
		For Elevated Installation >25' To 30', Add	*11.80*	
		For Elevated Installation >30' To 35', Add	*13.48*	
		For Elevated Installation >35' To 40', Add	*16.85*	
		For Elevated Installation >40', Add	*18.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	58.32	17.30
		For Work In Restricted Working Space, Add	*13.01*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.68*	
		For Elevated Installation >20' To 25', Add	*10.85*	
		For Elevated Installation >25' To 30', Add	*15.18*	
		For Elevated Installation >30' To 35', Add	*17.35*	
		For Elevated Installation >35' To 40', Add	*21.69*	
		For Elevated Installation >40', Add	*23.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.01*	
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	73.37	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0699		Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*		
26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.17	2.74
		For Work In Restricted Working Space, Add	*2.05*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.37*	
		For Elevated Installation >20' To 25', Add	*1.71*	
		For Elevated Installation >25' To 30', Add	*2.39*	
		For Elevated Installation >30' To 35', Add	*2.73*	
		For Elevated Installation >35' To 40', Add	*3.42*	
		For Elevated Installation >40', Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.05*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.49	3.19
		For Work In Restricted Working Space, Add	*2.39*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.39*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.13	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	15.05	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	17.90	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.19*	
		For Elevated Installation >20' To 25', Add	*3.99*	
		For Elevated Installation >25' To 30', Add	*5.58*	
		For Elevated Installation >30' To 35', Add	*6.38*	
		For Elevated Installation >35' To 40', Add	*7.97*	
		For Elevated Installation >40', Add	*8.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	23.33	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	35.87	10.93
		For Work In Restricted Working Space, Add	*8.20*	
		For Elevated Installation >10' To 15', Add	*2.73*	
		For Elevated Installation >15' To 20', Add	*5.47*	
		For Elevated Installation >20' To 25', Add	*6.83*	
		For Elevated Installation >25' To 30', Add	*9.57*	
		For Elevated Installation >30' To 35', Add	*10.93*	
		For Elevated Installation >35' To 40', Add	*13.67*	
		For Elevated Installation >40', Add	*15.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.20*	
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	45.33	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	57.07	15.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.96*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	64.22	18.21
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.22	3.08
		For Work In Restricted Working Space, Add	*2.29*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.53*	
		For Elevated Installation >20' To 25', Add	*1.91*	
		For Elevated Installation >25' To 30', Add	*2.67*	
		For Elevated Installation >30' To 35', Add	*3.05*	
		For Elevated Installation >35' To 40', Add	*3.82*	
		For Elevated Installation >40', Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.29*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.12	3.30
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.08*	
		For Elevated Installation >25' To 30', Add	*2.91*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.16*	
		For Elevated Installation >40', Add	*4.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.34	4.10
		For Work In Restricted Working Space, Add	*3.04*	
		For Elevated Installation >10' To 15', Add	*1.01*	
		For Elevated Installation >15' To 20', Add	*2.03*	
		For Elevated Installation >20' To 25', Add	*2.53*	
		For Elevated Installation >25' To 30', Add	*3.55*	
		For Elevated Installation >30' To 35', Add	*4.05*	
		For Elevated Installation >35' To 40', Add	*5.07*	
		For Elevated Installation >40', Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.04*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	15.24	5.23
		For Work In Restricted Working Space, Add	*3.89*	
		For Elevated Installation >10' To 15', Add	*1.30*	
		For Elevated Installation >15' To 20', Add	*2.60*	
		For Elevated Installation >20' To 25', Add	*3.25*	
		For Elevated Installation >25' To 30', Add	*4.54*	
		For Elevated Installation >30' To 35', Add	*5.19*	
		For Elevated Installation >35' To 40', Add	*6.49*	
		For Elevated Installation >40', Add	*7.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	18.35	6.03
		For Work In Restricted Working Space, Add	*4.55*	
		For Elevated Installation >10' To 15', Add	*1.52*	
		For Elevated Installation >15' To 20', Add	*3.03*	
		For Elevated Installation >20' To 25', Add	*3.79*	
		For Elevated Installation >25' To 30', Add	*5.30*	
		For Elevated Installation >30' To 35', Add	*6.06*	
		For Elevated Installation >35' To 40', Add	*7.58*	
		For Elevated Installation >40', Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	22.68	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.64*	
		For Elevated Installation >20' To 25', Add	*4.55*	
		For Elevated Installation >25' To 30', Add	*6.37*	
		For Elevated Installation >30' To 35', Add	*7.28*	
		For Elevated Installation >35' To 40', Add	*9.11*	
		For Elevated Installation >40', Add	*10.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	40.43	10.13
		For Work In Restricted Working Space, Add	*7.58*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.06*	
		For Elevated Installation >20' To 25', Add	*6.32*	
		For Elevated Installation >25' To 30', Add	*8.85*	
		For Elevated Installation >30' To 35', Add	*10.11*	
		For Elevated Installation >35' To 40', Add	*12.64*	
		For Elevated Installation >40', Add	*13.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	54.31	13.43
		For Work In Restricted Working Space, Add	*10.11*	
		For Elevated Installation >10' To 15', Add	*3.37*	
		For Elevated Installation >15' To 20', Add	*6.74*	
		For Elevated Installation >20' To 25', Add	*8.43*	
		For Elevated Installation >25' To 30', Add	*11.80*	
		For Elevated Installation >30' To 35', Add	*13.48*	
		For Elevated Installation >35' To 40', Add	*16.85*	
		For Elevated Installation >40', Add	*18.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.11*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	73.50	17.30
		For Work In Restricted Working Space, Add	*13.01*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.68*	
		For Elevated Installation >20' To 25', Add	*10.85*	
		For Elevated Installation >25' To 30', Add	*15.18*	
		For Elevated Installation >30' To 35', Add	*17.35*	
		For Elevated Installation >35' To 40', Add	*21.69*	
		For Elevated Installation >40', Add	*23.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.01*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	92.16	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0721		Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*		
		Note: Excludes jumper.		
26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	61.78	15.15
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15', Add	*3.79*	
		For Elevated Installation >15' To 20', Add	*7.58*	
		For Elevated Installation >20' To 25', Add	*9.47*	
		For Elevated Installation >25' To 30', Add	*13.26*	
		For Elevated Installation >30' To 35', Add	*15.16*	
		For Elevated Installation >35' To 40', Add	*18.95*	
		For Elevated Installation >40', Add	*20.84*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	74.43	18.34
		For Work In Restricted Working Space, Add	*13.78*	
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.19*	
		For Elevated Installation >20' To 25', Add	*11.48*	
		For Elevated Installation >25' To 30', Add	*16.08*	
		For Elevated Installation >30' To 35', Add	*18.37*	
		For Elevated Installation >35' To 40', Add	*22.97*	
		For Elevated Installation >40', Add	*25.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	91.45	23.00
		For Work In Restricted Working Space, Add	*17.23*	
		For Elevated Installation >10' To 15', Add	*5.74*	
		For Elevated Installation >15' To 20', Add	*11.48*	
		For Elevated Installation >20' To 25', Add	*14.36*	
		For Elevated Installation >25' To 30', Add	*20.10*	
		For Elevated Installation >30' To 35', Add	*22.97*	
		For Elevated Installation >35' To 40', Add	*28.71*	
		For Elevated Installation >40', Add	*31.58*	
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	118.30	28.24
		For Work In Restricted Working Space, Add	*21.19*	
		For Elevated Installation >10' To 15', Add	*7.06*	
		For Elevated Installation >15' To 20', Add	*14.13*	
		For Elevated Installation >20' To 25', Add	*17.66*	
		For Elevated Installation >25' To 30', Add	*24.72*	
		For Elevated Installation >30' To 35', Add	*28.25*	
		For Elevated Installation >35' To 40', Add	*35.32*	
		For Elevated Installation >40', Add	*38.85*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	147.07	33.13
		For Work In Restricted Working Space, Add	*24.85*	
		For Elevated Installation >10' To 15', Add	*8.28*	
		For Elevated Installation >15' To 20', Add	*16.57*	
		For Elevated Installation >20' To 25', Add	*20.71*	
		For Elevated Installation >25' To 30', Add	*28.99*	
		For Elevated Installation >30' To 35', Add	*33.13*	
		For Elevated Installation >35' To 40', Add	*41.42*	
		For Elevated Installation >40', Add	*45.56*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	184.41	40.31
		For Work In Restricted Working Space, Add	*30.26*	
		For Elevated Installation >10' To 15', Add	*10.09*	
		For Elevated Installation >15' To 20', Add	*20.17*	
		For Elevated Installation >20' To 25', Add	*25.22*	
		For Elevated Installation >25' To 30', Add	*35.30*	
		For Elevated Installation >30' To 35', Add	*40.35*	
		For Elevated Installation >35' To 40', Add	*50.44*	
		For Elevated Installation >40', Add	*55.48*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	353.15	51.81
		For Work In Restricted Working Space, Add	*38.87*	
		For Elevated Installation >10' To 15', Add	*12.96*	
		For Elevated Installation >15' To 20', Add	*25.91*	
		For Elevated Installation >20' To 25', Add	*32.39*	
		For Elevated Installation >25' To 30', Add	*45.34*	
		For Elevated Installation >30' To 35', Add	*51.82*	
		For Elevated Installation >35' To 40', Add	*64.78*	
		For Elevated Installation >40', Add	*71.25*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	432.06	60.58
		For Work In Restricted Working Space, Add	*45.44*	
		For Elevated Installation >10' To 15', Add	*15.15*	
		For Elevated Installation >15' To 20', Add	*30.30*	
		For Elevated Installation >20' To 25', Add	*37.87*	
		For Elevated Installation >25' To 30', Add	*53.02*	
		For Elevated Installation >30' To 35', Add	*60.59*	
		For Elevated Installation >35' To 40', Add	*75.74*	
		For Elevated Installation >40', Add	*83.31*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	531.02	66.04
		For Work In Restricted Working Space, Add	*49.55*	
		For Elevated Installation >10' To 15', Add	*16.52*	
		For Elevated Installation >15' To 20', Add	*33.03*	
		For Elevated Installation >20' To 25', Add	*41.29*	
		For Elevated Installation >25' To 30', Add	*57.80*	
		For Elevated Installation >30' To 35', Add	*66.06*	
		For Elevated Installation >35' To 40', Add	*82.58*	
		For Elevated Installation >40', Add	*90.83*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	574.69	72.87
		For Work In Restricted Working Space, Add	*54.67*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.45*	
		For Elevated Installation >20' To 25', Add	*45.56*	
		For Elevated Installation >25' To 30', Add	*63.78*	
		For Elevated Installation >30' To 35', Add	*72.90*	
		For Elevated Installation >35' To 40', Add	*91.12*	
		For Elevated Installation >40', Add	*100.23*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.55	4.10
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15', Add	*1.01*	
		For Elevated Installation >15' To 20', Add	*2.02*	
		For Elevated Installation >20' To 25', Add	*2.53*	
		For Elevated Installation >25' To 30', Add	*3.54*	
		For Elevated Installation >30' To 35', Add	*4.04*	
		For Elevated Installation >35' To 40', Add	*5.06*	
		For Elevated Installation >40', Add	*5.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.33	4.10
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15', Add	*1.01*	
		For Elevated Installation >15' To 20', Add	*2.02*	
		For Elevated Installation >20' To 25', Add	*2.53*	
		For Elevated Installation >25' To 30', Add	*3.54*	
		For Elevated Installation >30' To 35', Add	*4.04*	
		For Elevated Installation >35' To 40', Add	*5.06*	
		For Elevated Installation >40', Add	*5.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.79	4.44
		For Work In Restricted Working Space, Add	*3.37*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.25*	
		For Elevated Installation >20' To 25', Add	*2.81*	
		For Elevated Installation >25' To 30', Add	*3.93*	
		For Elevated Installation >30' To 35', Add	*4.50*	
		For Elevated Installation >35' To 40', Add	*5.62*	
		For Elevated Installation >40', Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.05	5.12
		For Work In Restricted Working Space, Add	*3.83*	
		For Elevated Installation >10' To 15', Add	*1.28*	
		For Elevated Installation >15' To 20', Add	*2.56*	
		For Elevated Installation >20' To 25', Add	*3.20*	
		For Elevated Installation >25' To 30', Add	*4.47*	
		For Elevated Installation >30' To 35', Add	*5.11*	
		For Elevated Installation >35' To 40', Add	*6.39*	
		For Elevated Installation >40', Add	*7.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	22.88	6.15
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15', Add	*1.55*	
		For Elevated Installation >15' To 20', Add	*3.09*	
		For Elevated Installation >20' To 25', Add	*3.87*	
		For Elevated Installation >25' To 30', Add	*5.41*	
		For Elevated Installation >30' To 35', Add	*6.18*	
		For Elevated Installation >35' To 40', Add	*7.73*	
		For Elevated Installation >40', Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	27.99	7.06
		For Work In Restricted Working Space, Add	*5.30*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.53*	
		For Elevated Installation >20' To 25', Add	*4.42*	
		For Elevated Installation >25' To 30', Add	*6.18*	
		For Elevated Installation >30' To 35', Add	*7.07*	
		For Elevated Installation >35' To 40', Add	*8.84*	
		For Elevated Installation >40', Add	*9.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	36.47	8.88
		For Work In Restricted Working Space, Add	*6.62*	
		For Elevated Installation >10' To 15', Add	*2.21*	
		For Elevated Installation >15' To 20', Add	*4.42*	
		For Elevated Installation >20' To 25', Add	*5.52*	
		For Elevated Installation >25' To 30', Add	*7.73*	
		For Elevated Installation >30' To 35', Add	*8.83*	
		For Elevated Installation >35' To 40', Add	*11.04*	
		For Elevated Installation >40', Add	*12.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 33 13-0740		Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*		
26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	24.23	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	28.26	11.96
		For Work In Restricted Working Space, Add	*7.17*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.17*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	35.09	13.66
		For Work In Restricted Working Space, Add	*8.20*	
		For Elevated Installation >15' To 20', Add	*5.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.20*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	44.83	17.08
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.45	2.28
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.25*	
		For Installation In Metal Stud Wall, Add	*0.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.48*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.89*	
		For Work In Restricted Working Space, Add	*1.78*	
		For Elevated Installation >10' To 15', Add	*0.59*	
		For Elevated Installation >15' To 20', Add	*1.18*	
		For Elevated Installation >20' To 25', Add	*1.48*	
		For Elevated Installation >25' To 30', Add	*2.07*	
		For Elevated Installation >30' To 35', Add	*2.37*	
		For Elevated Installation >35' To 40', Add	*2.96*	
		For Elevated Installation >40', Add	*3.26*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.08	2.51
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.30*	
		For Installation In Metal Stud Wall, Add	*0.71*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.77*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.06*	
		For Work In Restricted Working Space, Add	*2.12*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.41*	
		For Elevated Installation >20' To 25', Add	*1.77*	
		For Elevated Installation >25' To 30', Add	*2.47*	
		For Elevated Installation >30' To 35', Add	*2.82*	
		For Elevated Installation >35' To 40', Add	*3.53*	
		For Elevated Installation >40', Add	*3.88*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	13.55	2.74
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.47*	
		For Installation In Metal Stud Wall, Add	*0.89*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.22*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.33*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15', Add	*0.89*	
		For Elevated Installation >15' To 20', Add	*1.78*	
		For Elevated Installation >20' To 25', Add	*2.22*	
		For Elevated Installation >25' To 30', Add	*3.11*	
		For Elevated Installation >30' To 35', Add	*3.55*	
		For Elevated Installation >35' To 40', Add	*4.44*	
		For Elevated Installation >40', Add	*4.88*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	15.70	5.46
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.59*	
		For Installation In Metal Stud Wall, Add	*0.98*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.45*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15', Add	*0.98*	
		For Elevated Installation >15' To 20', Add	*1.96*	
		For Elevated Installation >20' To 25', Add	*2.45*	
		For Elevated Installation >25' To 30', Add	*3.43*	
		For Elevated Installation >30' To 35', Add	*3.92*	
		For Elevated Installation >35' To 40', Add	*4.90*	
		For Elevated Installation >40', Add	*5.38*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	17.69	3.64
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.70*	
		For Installation In Metal Stud Wall, Add	*1.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.68*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.21*	
		For Elevated Installation >10' To 15', Add	*1.07*	
		For Elevated Installation >15' To 20', Add	*2.14*	
		For Elevated Installation >20' To 25', Add	*2.68*	
		For Elevated Installation >25' To 30', Add	*3.75*	
		For Elevated Installation >30' To 35', Add	*4.28*	
		For Elevated Installation >35' To 40', Add	*5.36*	
		For Elevated Installation >40', Add	*5.89*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752		LF	2" Intermediate Metal Conduit (IMC) Conduit	22.45	4.10
			For >250 To 500, Deduct	*-0.47*	
			For >500 To 1,000, Deduct	*-0.71*	
			For >1,000, Deduct	*-0.95*	
			For Installation In Metal Stud Wall, Add	*1.30*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*3.25*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.95*	
			For Work In Restricted Working Space, Add	*3.89*	
			For Elevated Installation >10' To 15', Add	*1.30*	
			For Elevated Installation >15' To 20', Add	*2.60*	
			For Elevated Installation >20' To 25', Add	*3.25*	
			For Elevated Installation >25' To 30', Add	*4.54*	
			For Elevated Installation >30' To 35', Add	*5.19*	
			For Elevated Installation >35' To 40', Add	*6.49*	
			For Elevated Installation >40', Add	*7.14*	
26 05 33 13-0753		LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	38.18	5.46
			For >250 To 500, Deduct	*-1.05*	
			For >500 To 1,000, Deduct	*-1.57*	
			For >1,000, Deduct	*-2.10*	
			For Installation In Metal Stud Wall, Add	*1.72*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*4.30*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.58*	
			For Work In Restricted Working Space, Add	*5.16*	
			For Elevated Installation >10' To 15', Add	*1.72*	
			For Elevated Installation >15' To 20', Add	*3.44*	
			For Elevated Installation >20' To 25', Add	*4.30*	
			For Elevated Installation >25' To 30', Add	*6.02*	
			For Elevated Installation >30' To 35', Add	*6.88*	
			For Elevated Installation >35' To 40', Add	*8.60*	
			For Elevated Installation >40', Add	*9.45*	
26 05 33 13-0754		LF	3" Intermediate Metal Conduit (IMC) Conduit	48.62	6.83
			For >250 To 500, Deduct	*-1.29*	
			For >500 To 1,000, Deduct	*-1.94*	
			For >1,000, Deduct	*-2.58*	
			For Installation In Metal Stud Wall, Add	*2.28*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*5.70*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.42*	
			For Work In Restricted Working Space, Add	*6.83*	
			For Elevated Installation >10' To 15', Add	*2.28*	
			For Elevated Installation >15' To 20', Add	*4.56*	
			For Elevated Installation >20' To 25', Add	*5.70*	
			For Elevated Installation >25' To 30', Add	*7.97*	
			For Elevated Installation >30' To 35', Add	*9.11*	
			For Elevated Installation >35' To 40', Add	*11.39*	
			For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0755		LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	56.00	8.20
			For >250 To 500, Deduct	*-1.50*	
			For >500 To 1,000, Deduct	*-2.24*	
			For >1,000, Deduct	*-2.99*	
			For Installation In Metal Stud Wall, Add	*2.61*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*6.52*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.91*	
			For Work In Restricted Working Space, Add	*7.82*	
			For Elevated Installation >10' To 15', Add	*2.61*	
			For Elevated Installation >15' To 20', Add	*5.21*	
			For Elevated Installation >20' To 25', Add	*6.52*	
			For Elevated Installation >25' To 30', Add	*9.12*	
			For Elevated Installation >30' To 35', Add	*10.43*	
			For Elevated Installation >35' To 40', Add	*13.04*	
			For Elevated Installation >40', Add	*14.34*	
26 05 33 13-0756		LF	4" Intermediate Metal Conduit (IMC) Conduit	65.63	9.56
			For >250 To 500, Deduct	*-1.76*	
			For >500 To 1,000, Deduct	*-2.64*	
			For >1,000, Deduct	*-3.52*	
			For Installation In Metal Stud Wall, Add	*3.04*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*7.60*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.56*	
			For Work In Restricted Working Space, Add	*9.12*	
			For Elevated Installation >10' To 15', Add	*3.04*	
			For Elevated Installation >15' To 20', Add	*6.08*	
			For Elevated Installation >20' To 25', Add	*7.60*	
			For Elevated Installation >25' To 30', Add	*10.64*	
			For Elevated Installation >30' To 35', Add	*12.16*	
			For Elevated Installation >35' To 40', Add	*15.21*	
			For Elevated Installation >40', Add	*16.73*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	40.33	11.27
		For Work In Restricted Working Space, Add	*8.48*	
		For Elevated Installation >10' To 15', Add	*2.83*	
		For Elevated Installation >15' To 20', Add	*5.65*	
		For Elevated Installation >20' To 25', Add	*7.07*	
		For Elevated Installation >25' To 30', Add	*9.89*	
		For Elevated Installation >30' To 35', Add	*11.31*	
		For Elevated Installation >35' To 40', Add	*14.14*	
		For Elevated Installation >40', Add	*15.55*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	48.68	14.00
		For Work In Restricted Working Space, Add	*10.55*	
		For Elevated Installation >10' To 15', Add	*3.52*	
		For Elevated Installation >15' To 20', Add	*7.03*	
		For Elevated Installation >20' To 25', Add	*8.79*	
		For Elevated Installation >25' To 30', Add	*12.30*	
		For Elevated Installation >30' To 35', Add	*14.06*	
		For Elevated Installation >35' To 40', Add	*17.58*	
		For Elevated Installation >40', Add	*19.33*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	62.11	17.19
		For Work In Restricted Working Space, Add	*12.86*	
		For Elevated Installation >10' To 15', Add	*4.29*	
		For Elevated Installation >15' To 20', Add	*8.57*	
		For Elevated Installation >20' To 25', Add	*10.72*	
		For Elevated Installation >25' To 30', Add	*15.00*	
		For Elevated Installation >30' To 35', Add	*17.15*	
		For Elevated Installation >35' To 40', Add	*21.44*	
		For Elevated Installation >40', Add	*23.58*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	76.74	19.93
		For Work In Restricted Working Space, Add	*14.93*	
		For Elevated Installation >10' To 15', Add	*4.98*	
		For Elevated Installation >15' To 20', Add	*9.95*	
		For Elevated Installation >20' To 25', Add	*12.44*	
		For Elevated Installation >25' To 30', Add	*17.42*	
		For Elevated Installation >30' To 35', Add	*19.91*	
		For Elevated Installation >35' To 40', Add	*24.89*	
		For Elevated Installation >40', Add	*27.37*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.24	22.89
		For Work In Restricted Working Space, Add	*17.14*	
		For Elevated Installation >10' To 15', Add	*5.71*	
		For Elevated Installation >15' To 20', Add	*11.43*	
		For Elevated Installation >20' To 25', Add	*14.28*	
		For Elevated Installation >25' To 30', Add	*20.00*	
		For Elevated Installation >30' To 35', Add	*22.85*	
		For Elevated Installation >35' To 40', Add	*28.57*	
		For Elevated Installation >40', Add	*31.42*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	111.95	25.16
		For Work In Restricted Working Space, Add	*18.86*	
		For Elevated Installation >10' To 15', Add	*6.29*	
		For Elevated Installation >15' To 20', Add	*12.57*	
		For Elevated Installation >20' To 25', Add	*15.71*	
		For Elevated Installation >25' To 30', Add	*22.00*	
		For Elevated Installation >30' To 35', Add	*25.14*	
		For Elevated Installation >35' To 40', Add	*31.43*	
		For Elevated Installation >40', Add	*34.57*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	161.93	31.43
		For Work In Restricted Working Space, Add	*23.57*	
		For Elevated Installation >10' To 15', Add	*7.86*	
		For Elevated Installation >15' To 20', Add	*15.71*	
		For Elevated Installation >20' To 25', Add	*19.64*	
		For Elevated Installation >25' To 30', Add	*27.50*	
		For Elevated Installation >30' To 35', Add	*31.42*	
		For Elevated Installation >35' To 40', Add	*39.28*	
		For Elevated Installation >40', Add	*43.21*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	234.65	42.82
		For Work In Restricted Working Space, Add	*32.11*	
		For Elevated Installation >10' To 15', Add	*10.70*	
		For Elevated Installation >15' To 20', Add	*21.40*	
		For Elevated Installation >20' To 25', Add	*26.76*	
		For Elevated Installation >25' To 30', Add	*37.46*	
		For Elevated Installation >30' To 35', Add	*42.81*	
		For Elevated Installation >35' To 40', Add	*53.51*	
		For Elevated Installation >40', Add	*58.86*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	346.03	48.28
		For Work In Restricted Working Space, Add	*36.21*	
		For Elevated Installation >10' To 15', Add	*12.07*	
		For Elevated Installation >15' To 20', Add	*24.14*	
		For Elevated Installation >20' To 25', Add	*30.18*	
		For Elevated Installation >25' To 30', Add	*42.25*	
		For Elevated Installation >30' To 35', Add	*48.28*	
		For Elevated Installation >35' To 40', Add	*60.36*	
		For Elevated Installation >40', Add	*66.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	418.47	62.86
		For Work In Restricted Working Space, Add	*47.13*	
		For Elevated Installation >10' To 15', Add	*15.71*	
		For Elevated Installation >15' To 20', Add	*31.42*	
		For Elevated Installation >20' To 25', Add	*39.28*	
		For Elevated Installation >25' To 30', Add	*54.99*	
		For Elevated Installation >30' To 35', Add	*62.84*	
		For Elevated Installation >35' To 40', Add	*78.55*	
		For Elevated Installation >40', Add	*86.41*	
26 05 33 13-0768		**Intermediate Metal Conduit (IMC) Bushing Sets With Locknut** *(26 05 33 13-0745)*		
26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.64	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.51	0.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	24.01	8.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	29.35	10.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.85*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	32.98	11.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	42.76	14.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	80.17	22.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	98.09	30.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.23*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	129.59	36.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.67*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	153.24	42.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.11*	
26 05 33 13-0779		**Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings** *(26 05 33 13-0745)*		
		Note: 3-Piece coupling.		
26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	52.06	18.21
		For Work In Restricted Working Space, Add	*13.68*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.12*	
		For Elevated Installation >20' To 25', Add	*11.40*	
		For Elevated Installation >25' To 30', Add	*15.96*	
		For Elevated Installation >30' To 35', Add	*18.24*	
		For Elevated Installation >35' To 40', Add	*22.80*	
		For Elevated Installation >40', Add	*25.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.68*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	59.22	20.38
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.72*	
		For Elevated Installation >25' To 30', Add	*17.81*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*27.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	72.75	22.66
		For Work In Restricted Working Space, Add	*17.01*	
		For Elevated Installation >10' To 15', Add	*5.67*	
		For Elevated Installation >15' To 20', Add	*11.34*	
		For Elevated Installation >20' To 25', Add	*14.17*	
		For Elevated Installation >25' To 30', Add	*19.84*	
		For Elevated Installation >30' To 35', Add	*22.68*	
		For Elevated Installation >35' To 40', Add	*28.35*	
		For Elevated Installation >40', Add	*31.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.01*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	91.58	24.82
		For Work In Restricted Working Space, Add	*18.61*	
		For Elevated Installation >10' To 15', Add	*6.20*	
		For Elevated Installation >15' To 20', Add	*12.41*	
		For Elevated Installation >20' To 25', Add	*15.51*	
		For Elevated Installation >25' To 30', Add	*21.71*	
		For Elevated Installation >30' To 35', Add	*24.81*	
		For Elevated Installation >35' To 40', Add	*31.02*	
		For Elevated Installation >40', Add	*34.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	104.95	27.10
		For Work In Restricted Working Space, Add	*20.36*	
		For Elevated Installation >10' To 15', Add	*6.79*	
		For Elevated Installation >15' To 20', Add	*13.57*	
		For Elevated Installation >20' To 25', Add	*16.97*	
		For Elevated Installation >25' To 30', Add	*23.75*	
		For Elevated Installation >30' To 35', Add	*27.15*	
		For Elevated Installation >35' To 40', Add	*33.94*	
		For Elevated Installation >40', Add	*37.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.36*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	147.67	29.37
		For Work In Restricted Working Space, Add	*22.05*	
		For Elevated Installation >10' To 15', Add	*7.35*	
		For Elevated Installation >15' To 20', Add	*14.70*	
		For Elevated Installation >20' To 25', Add	*18.38*	
		For Elevated Installation >25' To 30', Add	*25.73*	
		For Elevated Installation >30' To 35', Add	*29.40*	
		For Elevated Installation >35' To 40', Add	*36.75*	
		For Elevated Installation >40', Add	*40.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.05*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	249.74	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	355.80	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	525.37	54.66
		For Work In Restricted Working Space, Add	*41.01*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.34*	
		For Elevated Installation >20' To 25', Add	*34.17*	
		For Elevated Installation >25' To 30', Add	*47.84*	
		For Elevated Installation >30' To 35', Add	*54.68*	
		For Elevated Installation >35' To 40', Add	*68.35*	
		For Elevated Installation >40', Add	*75.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.01*	
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	608.08	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	29.82	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	33.38	10.02
		For Work In Restricted Working Space, Add	*7.52*	
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	38.39	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	43.83	12.30
		For Work In Restricted Working Space, Add	*9.22*	
		For Elevated Installation >10' To 15', Add	*3.07*	
		For Elevated Installation >15' To 20', Add	*6.15*	
		For Elevated Installation >20' To 25', Add	*7.69*	
		For Elevated Installation >25' To 30', Add	*10.76*	
		For Elevated Installation >30' To 35', Add	*12.30*	
		For Elevated Installation >35' To 40', Add	*15.37*	
		For Elevated Installation >40', Add	*16.91*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	52.40	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.96*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.79*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	64.54	15.03
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.03*	
		For Elevated Installation >35' To 40', Add	*18.79*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	88.77	18.21
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	109.68	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	131.78	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	149.37	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	25.72	9.11
		For Work In Restricted Working Space, Add	*6.83*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.70*	
		For Elevated Installation >25' To 30', Add	*7.97*	
		For Elevated Installation >30' To 35', Add	*9.11*	
		For Elevated Installation >35' To 40', Add	*11.39*	
		For Elevated Installation >40', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.83*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	32.86	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	40.66	13.66
		For Work In Restricted Working Space, Add	*10.25*	
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.96*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.25*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	49.06	15.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Elevated Installation >10' To 15', Add	*3.99*	
		For Elevated Installation >15' To 20', Add	*7.97*	
		For Elevated Installation >20' To 25', Add	*9.97*	
		For Elevated Installation >25' To 30', Add	*13.95*	
		For Elevated Installation >30' To 35', Add	*15.94*	
		For Elevated Installation >35' To 40', Add	*19.93*	
		For Elevated Installation >40', Add	*21.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	57.40	18.21
		For Work In Restricted Working Space, Add	*13.66*	
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	68.36	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.49*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.37*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	85.64	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	101.29	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	124.14	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	142.96	31.88
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.85*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	172.47	18.21
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.78*	
		For Elevated Installation >40', Add	*25.05*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	190.85	20.49
		For Work In Restricted Working Space, Add	*15.37*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	212.10	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.32*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	256.18	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.53*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.32*	
		For Elevated Installation >40', Add	*34.45*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	313.83	27.33
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	412.55	29.60
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.00*	
		For Elevated Installation >40', Add	*40.70*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	622.87	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	748.84	45.54
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,043.79	54.66
		For Work In Restricted Working Space, Add	*41.00*	
		For Elevated Installation >10' To 15', Add	*13.67*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.83*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.33*	
		For Elevated Installation >40', Add	*75.16*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,207.13	59.21
		For Work In Restricted Working Space, Add	*44.40*	
		For Elevated Installation >10' To 15', Add	*14.80*	
		For Elevated Installation >15' To 20', Add	*29.60*	
		For Elevated Installation >20' To 25', Add	*37.00*	
		For Elevated Installation >25' To 30', Add	*51.80*	
		For Elevated Installation >30' To 35', Add	*59.20*	
		For Elevated Installation >35' To 40', Add	*74.01*	
		For Elevated Installation >40', Add	*81.41*	

26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*

26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	105.77	28.47
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	125.68	34.15
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	153.43	39.85
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	180.61	45.54
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	237.24	51.24
		For Work In Restricted Working Space, Add	*30.74*	
		For Elevated Installation >10' To 15', Add	*10.25*	
		For Elevated Installation >15' To 20', Add	*20.49*	
		For Elevated Installation >20' To 25', Add	*25.62*	
		For Elevated Installation >25' To 30', Add	*35.86*	
		For Elevated Installation >30' To 35', Add	*40.99*	
		For Elevated Installation >35' To 40', Add	*51.24*	
		For Elevated Installation >40', Add	*56.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	288.48	56.93
		For Work In Restricted Working Space, Add	*34.16*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.77*	
		For Elevated Installation >20' To 25', Add	*28.47*	
		For Elevated Installation >25' To 30', Add	*39.85*	
		For Elevated Installation >30' To 35', Add	*45.54*	
		For Elevated Installation >35' To 40', Add	*56.93*	
		For Elevated Installation >40', Add	*62.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	407.94	68.32
		For Work In Restricted Working Space, Add	*40.99*	
		For Elevated Installation >10' To 15', Add	*13.66*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.82*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.32*	
		For Elevated Installation >40', Add	*75.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.99*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	490.80	79.71
		For Work In Restricted Working Space, Add	*47.82*	
		For Elevated Installation >10' To 15', Add	*15.94*	
		For Elevated Installation >15' To 20', Add	*31.88*	
		For Elevated Installation >20' To 25', Add	*39.85*	
		For Elevated Installation >25' To 30', Add	*55.79*	
		For Elevated Installation >30' To 35', Add	*63.76*	
		For Elevated Installation >35' To 40', Add	*79.70*	
		For Elevated Installation >40', Add	*87.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.82*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,137.96	91.09
		For Work In Restricted Working Space, Add	*54.65*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.76*	
		For Elevated Installation >30' To 35', Add	*72.87*	
		For Elevated Installation >35' To 40', Add	*91.09*	
		For Elevated Installation >40', Add	*100.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.65*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,311.13	102.47
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	15.32	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.41*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	21.39	7.74
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.75*	
		For Elevated Installation >35' To 40', Add	*9.69*	
		For Elevated Installation >40', Add	*10.65*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	28.04	10.02
		For Work In Restricted Working Space, Add	*7.51*	
		For Elevated Installation >10' To 15', Add	*2.50*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.76*	
		For Elevated Installation >30' To 35', Add	*10.01*	
		For Elevated Installation >35' To 40', Add	*12.52*	
		For Elevated Installation >40', Add	*13.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	32.24	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	38.90	13.66
		For Work In Restricted Working Space, Add	*10.24*	
		For Elevated Installation >10' To 15', Add	*3.41*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.07*	
		For Elevated Installation >40', Add	*18.78*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	45.00	15.49
		For Work In Restricted Working Space, Add	*11.62*	
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.75*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.56*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.37*	
		For Elevated Installation >40', Add	*21.30*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	57.14	17.30
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.30*	
		For Elevated Installation >35' To 40', Add	*21.63*	
		For Elevated Installation >40', Add	*23.79*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	67.93	19.59
		For Work In Restricted Working Space, Add	*14.69*	
		For Elevated Installation >10' To 15', Add	*4.90*	
		For Elevated Installation >15' To 20', Add	*9.79*	
		For Elevated Installation >20' To 25', Add	*12.24*	
		For Elevated Installation >25' To 30', Add	*17.14*	
		For Elevated Installation >30' To 35', Add	*19.59*	
		For Elevated Installation >35' To 40', Add	*24.49*	
		For Elevated Installation >40', Add	*26.93*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	78.87	21.40
		For Work In Restricted Working Space, Add	*16.06*	
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.71*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.74*	
		For Elevated Installation >30' To 35', Add	*21.41*	
		For Elevated Installation >35' To 40', Add	*26.77*	
		For Elevated Installation >40', Add	*29.44*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	82.45	22.78
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.46*	
		For Elevated Installation >40', Add	*31.30*	
26 05 33 13-0845		Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*		
26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.55	2.28
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.63	2.28
		For Work In Restricted Working Space, Add	*1.71*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.14*	
		For Elevated Installation >20' To 25', Add	*1.42*	
		For Elevated Installation >25' To 30', Add	*1.99*	
		For Elevated Installation >30' To 35', Add	*2.28*	
		For Elevated Installation >35' To 40', Add	*2.85*	
		For Elevated Installation >40', Add	*3.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0059)* Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0848)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	13.65	3.19
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.17*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.59*	
		For Elevated Installation >20' To 25', Add	*1.99*	
		For Elevated Installation >25' To 30', Add	*2.79*	
		For Elevated Installation >30' To 35', Add	*3.19*	
		For Elevated Installation >35' To 40', Add	*3.99*	
		For Elevated Installation >40', Add	*4.38*	
		For Work In Restricted Working Space, Add	*2.39*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	15.68	3.64
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.34*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.82*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.19*	
		For Elevated Installation >30' To 35', Add	*3.64*	
		For Elevated Installation >35' To 40', Add	*4.56*	
		For Elevated Installation >40', Add	*5.01*	
		For Work In Restricted Working Space, Add	*2.73*	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	19.91	4.55
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.71*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.28*	
		For Elevated Installation >20' To 25', Add	*2.85*	
		For Elevated Installation >25' To 30', Add	*3.99*	
		For Elevated Installation >30' To 35', Add	*4.56*	
		For Elevated Installation >35' To 40', Add	*5.70*	
		For Elevated Installation >40', Add	*6.26*	
		For Work In Restricted Working Space, Add	*3.42*	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	24.46	5.46
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.10*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
		For Work In Restricted Working Space, Add	*4.10*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	30.20	6.83
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.59*	
		For Elevated Installation >10' To 15', Add	*1.71*	
		For Elevated Installation >15' To 20', Add	*3.42*	
		For Elevated Installation >20' To 25', Add	*4.27*	
		For Elevated Installation >25' To 30', Add	*5.98*	
		For Elevated Installation >30' To 35', Add	*6.83*	
		For Elevated Installation >35' To 40', Add	*8.54*	
		For Elevated Installation >40', Add	*9.39*	
		For Work In Restricted Working Space, Add	*5.12*	
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	37.59	8.20
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.25*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Work In Restricted Working Space, Add	*6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	49.84	9.56
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.39*	
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.98*	
		For Elevated Installation >25' To 30', Add	*8.37*	
		For Elevated Installation >30' To 35', Add	*9.56*	
		For Elevated Installation >35' To 40', Add	*11.96*	
		For Elevated Installation >40', Add	*13.15*	
		For Work In Restricted Working Space, Add	*7.17*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	62.30	11.84
		For >250 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000, Deduct	*-5.49*	
		For Elevated Installation >10' To 15', Add	*2.96*	
		For Elevated Installation >15' To 20', Add	*5.92*	
		For Elevated Installation >20' To 25', Add	*7.40*	
		For Elevated Installation >25' To 30', Add	*10.36*	
		For Elevated Installation >30' To 35', Add	*11.84*	
		For Elevated Installation >35' To 40', Add	*14.80*	
		For Elevated Installation >40', Add	*16.28*	
		For Work In Restricted Working Space, Add	*8.88*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	76.44	14.58
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.73*	
		For Elevated Installation >10' To 15', Add	*3.64*	
		For Elevated Installation >15' To 20', Add	*7.29*	
		For Elevated Installation >20' To 25', Add	*9.11*	
		For Elevated Installation >25' To 30', Add	*12.75*	
		For Elevated Installation >30' To 35', Add	*14.58*	
		For Elevated Installation >35' To 40', Add	*18.22*	
		For Elevated Installation >40', Add	*20.04*	
		For Work In Restricted Working Space, Add	*10.93*	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	90.43	17.30
		For >250 To 500, Deduct	*-3.44*	
		For >500 To 1,000, Deduct	*-5.70*	
		For >1,000, Deduct	*-7.96*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
		For Work In Restricted Working Space, Add	*12.98*	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	134.81	20.49
		For >250 To 500, Deduct	*-5.46*	
		For >500 To 1,000, Deduct	*-8.83*	
		For >1,000, Deduct	*-12.20*	
		For Elevated Installation >10' To 15', Add	*5.12*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.81*	
		For Elevated Installation >25' To 30', Add	*17.93*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.62*	
		For Elevated Installation >40', Add	*28.18*	
		For Work In Restricted Working Space, Add	*15.37*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	182.85	27.33
		For >250 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-12.01*	
		For >1,000, Deduct	*-16.58*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Work In Restricted Working Space, Add	*20.50*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	19.65	6.83
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.73*	
		For Elevated Installation >20' To 25', Add	*3.42*	
		For Elevated Installation >25' To 30', Add	*4.78*	
		For Elevated Installation >30' To 35', Add	*5.46*	
		For Elevated Installation >35' To 40', Add	*6.83*	
		For Elevated Installation >40', Add	*7.51*	
		For Work In Restricted Working Space, Add	*4.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	25.64	9.67
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.87*	
		For Elevated Installation >20' To 25', Add	*4.84*	
		For Elevated Installation >25' To 30', Add	*6.78*	
		For Elevated Installation >30' To 35', Add	*7.74*	
		For Elevated Installation >35' To 40', Add	*9.68*	
		For Elevated Installation >40', Add	*10.65*	
		For Work In Restricted Working Space, Add	*5.81*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	33.20	12.52
		For Elevated Installation >10' To 15', Add	*2.51*	
		For Elevated Installation >15' To 20', Add	*5.01*	
		For Elevated Installation >20' To 25', Add	*6.26*	
		For Elevated Installation >25' To 30', Add	*8.77*	
		For Elevated Installation >30' To 35', Add	*10.02*	
		For Elevated Installation >35' To 40', Add	*12.53*	
		For Elevated Installation >40', Add	*13.78*	
		For Work In Restricted Working Space, Add	*7.52*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	37.98	14.24
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Work In Restricted Working Space, Add	*8.54*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	45.45	17.08
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Work In Restricted Working Space, Add	*10.25*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	55.26	19.36
		For Elevated Installation >10' To 15', Add	*3.87*	
		For Elevated Installation >15' To 20', Add	*7.74*	
		For Elevated Installation >20' To 25', Add	*9.68*	
		For Elevated Installation >25' To 30', Add	*13.55*	
		For Elevated Installation >30' To 35', Add	*15.49*	
		For Elevated Installation >35' To 40', Add	*19.36*	
		For Elevated Installation >40', Add	*21.30*	
		For Work In Restricted Working Space, Add	*11.62*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	84.22	19.36
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
		For Work In Restricted Working Space, Add	*12.98*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	98.69	26.76
		For Elevated Installation >10' To 15', Add	*4.90*	
		For Elevated Installation >15' To 20', Add	*9.79*	
		For Elevated Installation >20' To 25', Add	*12.24*	
		For Elevated Installation >25' To 30', Add	*17.14*	
		For Elevated Installation >30' To 35', Add	*19.58*	
		For Elevated Installation >35' To 40', Add	*24.48*	
		For Elevated Installation >40', Add	*26.93*	
		For Work In Restricted Working Space, Add	*14.69*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	117.31	26.76
		For Elevated Installation >10' To 15', Add	*5.35*	
		For Elevated Installation >15' To 20', Add	*10.70*	
		For Elevated Installation >20' To 25', Add	*13.38*	
		For Elevated Installation >25' To 30', Add	*18.73*	
		For Elevated Installation >30' To 35', Add	*21.40*	
		For Elevated Installation >35' To 40', Add	*26.76*	
		For Elevated Installation >40', Add	*29.43*	
		For Work In Restricted Working Space, Add	*16.05*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	131.53	28.47
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Work In Restricted Working Space, Add	*17.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	311.40	34.15
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Work In Restricted Working Space, Add	*20.50*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	351.24	39.85
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Work In Restricted Working Space, Add	*23.91*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30 degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	58.01	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	67.69	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	81.26	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	95.87	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	111.78	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	134.13	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	201.45	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	297.84	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	365.15	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	424.40	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	863.53	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,353.00	250.16
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
		For Work In Restricted Working Space, Add	*150.10*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	130.77	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	147.56	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	168.38	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	199.43	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	275.36	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	144.17	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	169.69	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	184.24	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	234.02	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	308.72	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	396.77	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	160.18	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	181.21	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	204.60	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	245.50	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	347.05	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	441.77	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	553.62	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	629.73	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	187.83	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	208.26	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	235.31	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	289.72	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	415.66	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	518.02	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	600.17	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	715.19	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	209.35	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	233.44	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	265.54	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	328.22	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	453.09	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	579.01	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	713.37	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	793.65	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,321.54	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	237.49	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	263.86	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	298.67	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	370.92	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	515.46	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	656.71	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	770.08	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	894.93	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,392.52	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,913.88	250.16
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
		For Work In Restricted Working Space, Add	*150.10*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	276.67	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	290.98	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	343.02	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	430.35	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	599.56	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	761.46	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	927.77	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,091.96	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,624.05	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,020.16	250.16
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
		For Work In Restricted Working Space, Add	*150.10*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	286.11	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	336.86	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	381.37	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	448.23	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	620.57	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	793.68	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,013.65	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,136.65	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,686.25	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,074.16	250.16
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
		For Work In Restricted Working Space, Add	*150.10*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	107.64	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	132.16	24.42
		For Elevated Installation >10' To 15', Add	*4.89*	
		For Elevated Installation >15' To 20', Add	*9.77*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.10*	
		For Elevated Installation >30' To 35', Add	*19.54*	
		For Elevated Installation >35' To 40', Add	*24.43*	
		For Elevated Installation >40', Add	*26.87*	
		For Work In Restricted Working Space, Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	175.22	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	284.80	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	314.69	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	396.29	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,066.70	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,275.04	69.57
		For Elevated Installation >10' To 15', Add	*13.92*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.58*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,696.24	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.06*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.70*	
		For Elevated Installation >35' To 40', Add	*102.13*	
		For Elevated Installation >40', Add	*112.34*	
		For Work In Restricted Working Space, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.28*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	103.35	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	127.30	24.42
		For Elevated Installation >10' To 15', Add	*4.89*	
		For Elevated Installation >15' To 20', Add	*9.77*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.10*	
		For Elevated Installation >30' To 35', Add	*19.54*	
		For Elevated Installation >35' To 40', Add	*24.43*	
		For Elevated Installation >40', Add	*26.87*	
		For Work In Restricted Working Space, Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	175.22	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	282.30	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	304.62	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	396.42	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,023.74	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,243.69	69.57
		For Elevated Installation >10' To 15', Add	*13.92*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.58*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,696.16	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.06*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.70*	
		For Elevated Installation >35' To 40', Add	*102.13*	
		For Elevated Installation >40', Add	*112.34*	
		For Work In Restricted Working Space, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.28*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	93.84	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	112.87	24.42
		For Elevated Installation >10' To 15', Add	*4.89*	
		For Elevated Installation >15' To 20', Add	*9.77*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.10*	
		For Elevated Installation >30' To 35', Add	*19.54*	
		For Elevated Installation >35' To 40', Add	*24.43*	
		For Elevated Installation >40', Add	*26.87*	
		For Work In Restricted Working Space, Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	133.03	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	187.37	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	218.64	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	334.29	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	904.09	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,020.22	69.57
		For Elevated Installation >10' To 15', Add	*13.92*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.58*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,305.69	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.06*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.70*	
		For Elevated Installation >35' To 40', Add	*102.13*	
		For Elevated Installation >40', Add	*112.34*	
		For Work In Restricted Working Space, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.28*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	157.45	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	236.57	24.42
		For Elevated Installation >10' To 15', Add	*4.89*	
		For Elevated Installation >15' To 20', Add	*9.77*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.10*	
		For Elevated Installation >30' To 35', Add	*19.54*	
		For Elevated Installation >35' To 40', Add	*24.43*	
		For Elevated Installation >40', Add	*26.87*	
		For Work In Restricted Working Space, Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	296.85	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	342.68	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	389.18	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	510.46	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,589.68	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,858.30	69.57
		For Elevated Installation >10' To 15', Add	*13.92*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.58*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,288.38	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.06*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.70*	
		For Elevated Installation >35' To 40', Add	*102.13*	
		For Elevated Installation >40', Add	*112.34*	
		For Work In Restricted Working Space, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.28*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	174.33	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	252.51	24.42
		For Elevated Installation >10' To 15', Add	*4.89*	
		For Elevated Installation >15' To 20', Add	*9.77*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.10*	
		For Elevated Installation >30' To 35', Add	*19.54*	
		For Elevated Installation >35' To 40', Add	*24.43*	
		For Elevated Installation >40', Add	*26.87*	
		For Work In Restricted Working Space, Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	299.88	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	347.68	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	402.89	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	630.93	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,771.45	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,492.92	69.57
		For Elevated Installation >10' To 15', Add	*13.92*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.58*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,609.64	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.06*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.70*	
		For Elevated Installation >35' To 40', Add	*102.13*	
		For Elevated Installation >40', Add	*112.34*	
		For Work In Restricted Working Space, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.28*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	138.84	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	175.43	24.42
		For Elevated Installation >10' To 15', Add	*4.89*	
		For Elevated Installation >15' To 20', Add	*9.77*	
		For Elevated Installation >20' To 25', Add	*12.21*	
		For Elevated Installation >25' To 30', Add	*17.10*	
		For Elevated Installation >30' To 35', Add	*19.54*	
		For Elevated Installation >35' To 40', Add	*24.43*	
		For Elevated Installation >40', Add	*26.87*	
		For Work In Restricted Working Space, Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.66*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	209.93	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	232.93	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.54*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	312.16	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	438.65	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,439.13	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,622.89	69.57
		For Elevated Installation >10' To 15', Add	*13.92*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.58*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,932.93	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.06*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.70*	
		For Elevated Installation >35' To 40', Add	*102.13*	
		For Elevated Installation >40', Add	*112.34*	
		For Work In Restricted Working Space, Add	*61.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.28*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	129.89	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	146.64	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	180.54	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	234.77	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.42*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	273.14	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	370.22	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.06*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.63*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	618.45	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.95*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	793.04	133.22
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.26*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.23*	
		For Elevated Installation >40', Add	*146.55*	
		For Work In Restricted Working Space, Add	*79.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.94*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,098.14	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.92*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,263.20	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.68*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	169.74	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	193.18	51.81
		For Elevated Installation >10' To 15', Add	*10.36*	
		For Elevated Installation >15' To 20', Add	*20.72*	
		For Elevated Installation >20' To 25', Add	*25.91*	
		For Elevated Installation >25' To 30', Add	*36.27*	
		For Elevated Installation >30' To 35', Add	*41.45*	
		For Elevated Installation >35' To 40', Add	*51.81*	
		For Elevated Installation >40', Add	*56.99*	
		For Work In Restricted Working Space, Add	*31.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	234.61	56.99
		For Elevated Installation >10' To 15', Add	*11.40*	
		For Elevated Installation >15' To 20', Add	*22.79*	
		For Elevated Installation >20' To 25', Add	*28.49*	
		For Elevated Installation >25' To 30', Add	*39.89*	
		For Elevated Installation >30' To 35', Add	*45.59*	
		For Elevated Installation >35' To 40', Add	*56.99*	
		For Elevated Installation >40', Add	*62.68*	
		For Work In Restricted Working Space, Add	*34.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.19*	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	313.04	65.13
		For Elevated Installation >10' To 15', Add	*13.03*	
		For Elevated Installation >15' To 20', Add	*26.05*	
		For Elevated Installation >20' To 25', Add	*32.56*	
		For Elevated Installation >25' To 30', Add	*45.59*	
		For Elevated Installation >30' To 35', Add	*52.10*	
		For Elevated Installation >35' To 40', Add	*65.13*	
		For Elevated Installation >40', Add	*71.64*	
		For Work In Restricted Working Space, Add	*39.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.08*	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	368.68	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.63*	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	500.13	87.34
		For Elevated Installation >10' To 15', Add	*17.47*	
		For Elevated Installation >15' To 20', Add	*34.93*	
		For Elevated Installation >20' To 25', Add	*43.67*	
		For Elevated Installation >25' To 30', Add	*61.13*	
		For Elevated Installation >30' To 35', Add	*69.87*	
		For Elevated Installation >35' To 40', Add	*87.34*	
		For Elevated Installation >40', Add	*96.07*	
		For Work In Restricted Working Space, Add	*52.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.40*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	149.32	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.36*	
		For Elevated Installation >25' To 30', Add	*28.50*	
		For Elevated Installation >30' To 35', Add	*32.57*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.43*	
26 05 33 13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	170.56	47.37
		For Elevated Installation >10' To 15', Add	*9.47*	
		For Elevated Installation >15' To 20', Add	*18.95*	
		For Elevated Installation >20' To 25', Add	*23.68*	
		For Elevated Installation >25' To 30', Add	*33.16*	
		For Elevated Installation >30' To 35', Add	*37.89*	
		For Elevated Installation >35' To 40', Add	*47.37*	
		For Elevated Installation >40', Add	*52.10*	
		For Work In Restricted Working Space, Add	*28.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.42*	
26 05 33 13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	205.22	51.81
		For Elevated Installation >10' To 15', Add	*10.36*	
		For Elevated Installation >15' To 20', Add	*20.72*	
		For Elevated Installation >20' To 25', Add	*25.91*	
		For Elevated Installation >25' To 30', Add	*36.27*	
		For Elevated Installation >30' To 35', Add	*41.45*	
		For Elevated Installation >35' To 40', Add	*51.81*	
		For Elevated Installation >40', Add	*56.99*	
		For Work In Restricted Working Space, Add	*31.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.09*	
26 05 33 13-1044	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	261.45	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1045		EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	308.88	65.13
			For Elevated Installation >10' To 15', Add	*13.03*	
			For Elevated Installation >15' To 20', Add	*26.05*	
			For Elevated Installation >20' To 25', Add	*32.57*	
			For Elevated Installation >25' To 30', Add	*45.59*	
			For Elevated Installation >30' To 35', Add	*52.10*	
			For Elevated Installation >35' To 40', Add	*65.13*	
			For Elevated Installation >40', Add	*71.64*	
			For Work In Restricted Working Space, Add	*39.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.08*	
26 05 33 13-1046		EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	411.85	76.23
			For Elevated Installation >10' To 15', Add	*15.25*	
			For Elevated Installation >15' To 20', Add	*30.49*	
			For Elevated Installation >20' To 25', Add	*38.12*	
			For Elevated Installation >25' To 30', Add	*53.36*	
			For Elevated Installation >30' To 35', Add	*60.99*	
			For Elevated Installation >35' To 40', Add	*76.24*	
			For Elevated Installation >40', Add	*83.86*	
			For Work In Restricted Working Space, Add	*45.74*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.74*	
26 05 33 13-1047		EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	660.18	111.01
			For Elevated Installation >10' To 15', Add	*22.20*	
			For Elevated Installation >15' To 20', Add	*44.41*	
			For Elevated Installation >20' To 25', Add	*55.51*	
			For Elevated Installation >25' To 30', Add	*77.71*	
			For Elevated Installation >30' To 35', Add	*88.82*	
			For Elevated Installation >35' To 40', Add	*111.02*	
			For Elevated Installation >40', Add	*122.12*	
			For Work In Restricted Working Space, Add	*66.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.61*	
26 05 33 13-1048		EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	873.30	144.32
			For Elevated Installation >10' To 15', Add	*28.86*	
			For Elevated Installation >15' To 20', Add	*57.73*	
			For Elevated Installation >20' To 25', Add	*72.16*	
			For Elevated Installation >25' To 30', Add	*101.02*	
			For Elevated Installation >30' To 35', Add	*115.45*	
			For Elevated Installation >35' To 40', Add	*144.32*	
			For Elevated Installation >40', Add	*158.75*	
			For Work In Restricted Working Space, Add	*86.59*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.59*	
26 05 33 13-1049		EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,195.61	177.63
			For Elevated Installation >10' To 15', Add	*35.53*	
			For Elevated Installation >15' To 20', Add	*71.05*	
			For Elevated Installation >20' To 25', Add	*88.81*	
			For Elevated Installation >25' To 30', Add	*124.34*	
			For Elevated Installation >30' To 35', Add	*142.10*	
			For Elevated Installation >35' To 40', Add	*177.63*	
			For Elevated Installation >40', Add	*195.39*	
			For Work In Restricted Working Space, Add	*106.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.58*	
26 05 33 13-1050		EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,339.48	213.89
			For Elevated Installation >10' To 15', Add	*42.78*	
			For Elevated Installation >15' To 20', Add	*85.56*	
			For Elevated Installation >20' To 25', Add	*106.95*	
			For Elevated Installation >25' To 30', Add	*149.73*	
			For Elevated Installation >30' To 35', Add	*171.12*	
			For Elevated Installation >35' To 40', Add	*213.90*	
			For Elevated Installation >40', Add	*235.29*	
			For Work In Restricted Working Space, Add	*128.34*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.34*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

26 05 33 13-1052		EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	29.74	4.44
			For Elevated Installation >10' To 15', Add	*0.89*	
			For Elevated Installation >15' To 20', Add	*1.78*	
			For Elevated Installation >20' To 25', Add	*2.22*	
			For Elevated Installation >25' To 30', Add	*3.11*	
			For Elevated Installation >30' To 35', Add	*3.55*	
			For Elevated Installation >35' To 40', Add	*4.44*	
			For Elevated Installation >40', Add	*4.88*	
			For Work In Restricted Working Space, Add	*2.66*	
26 05 33 13-1053		EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	33.42	5.18
			For Elevated Installation >10' To 15', Add	*1.04*	
			For Elevated Installation >15' To 20', Add	*2.07*	
			For Elevated Installation >20' To 25', Add	*2.59*	
			For Elevated Installation >25' To 30', Add	*3.63*	
			For Elevated Installation >30' To 35', Add	*4.15*	
			For Elevated Installation >35' To 40', Add	*5.19*	
			For Elevated Installation >40', Add	*5.70*	
			For Work In Restricted Working Space, Add	*3.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	43.55	6.66
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.66*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.66*	
		For Elevated Installation >30' To 35', Add	*5.33*	
		For Elevated Installation >35' To 40', Add	*6.66*	
		For Elevated Installation >40', Add	*7.33*	
		For Work In Restricted Working Space, Add	*4.00*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	55.92	8.14
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.07*	
		For Elevated Installation >25' To 30', Add	*5.70*	
		For Elevated Installation >30' To 35', Add	*6.51*	
		For Elevated Installation >35' To 40', Add	*8.14*	
		For Elevated Installation >40', Add	*8.95*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	62.72	9.62
		For Elevated Installation >10' To 15', Add	*1.93*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.74*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.63*	
		For Elevated Installation >40', Add	*10.59*	
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	77.46	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	99.88	12.58
		For Elevated Installation >10' To 15', Add	*2.52*	
		For Elevated Installation >15' To 20', Add	*5.03*	
		For Elevated Installation >20' To 25', Add	*6.29*	
		For Elevated Installation >25' To 30', Add	*8.81*	
		For Elevated Installation >30' To 35', Add	*10.06*	
		For Elevated Installation >35' To 40', Add	*12.58*	
		For Elevated Installation >40', Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	110.25	17.76
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Work In Restricted Working Space, Add	*10.66*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	133.66	19.98
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*7.99*	
		For Elevated Installation >20' To 25', Add	*9.99*	
		For Elevated Installation >25' To 30', Add	*13.99*	
		For Elevated Installation >30' To 35', Add	*15.99*	
		For Elevated Installation >35' To 40', Add	*19.99*	
		For Elevated Installation >40', Add	*21.98*	
		For Work In Restricted Working Space, Add	*11.99*	
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	144.01	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	145.71	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	161.68	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	188.61	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	223.56	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.42*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	276.30	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	334.67	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.63*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	483.93	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.95*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	621.76	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.93*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,219.43	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,775.75	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.68*	
26 05 33 13-1073		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*		
26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	242.86	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	262.14	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	299.38	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	335.59	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.42*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	405.26	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	457.35	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.63*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	643.43	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	894.92	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.93*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,298.76	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.92*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,879.55	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.68*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	196.09	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	209.77	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	240.96	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	269.33	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.42*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	366.69	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	459.68	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.63*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	711.26	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.95*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,032.93	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.93*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,298.76	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.92*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	256.59	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	285.04	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	352.36	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	433.57	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	598.73	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	717.58	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.63*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	51.20	14.24
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Work In Restricted Working Space, Add	*8.54*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	67.46	17.08
		For Elevated Installation >10' To 15', Add	*3.42*	
		For Elevated Installation >15' To 20', Add	*6.83*	
		For Elevated Installation >20' To 25', Add	*8.54*	
		For Elevated Installation >25' To 30', Add	*11.95*	
		For Elevated Installation >30' To 35', Add	*13.66*	
		For Elevated Installation >35' To 40', Add	*17.08*	
		For Elevated Installation >40', Add	*18.78*	
		For Work In Restricted Working Space, Add	*10.25*	
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	85.98	22.78
		For Elevated Installation >10' To 15', Add	*4.55*	
		For Elevated Installation >15' To 20', Add	*9.11*	
		For Elevated Installation >20' To 25', Add	*11.39*	
		For Elevated Installation >25' To 30', Add	*15.94*	
		For Elevated Installation >30' To 35', Add	*18.22*	
		For Elevated Installation >35' To 40', Add	*22.77*	
		For Elevated Installation >40', Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	117.63	28.47
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Work In Restricted Working Space, Add	*17.08*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	153.59	34.15
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.66*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.91*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.16*	
		For Elevated Installation >40', Add	*37.58*	
		For Work In Restricted Working Space, Add	*20.50*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	260.00	39.85
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Work In Restricted Working Space, Add	*23.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	374.95	45.54
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Work In Restricted Working Space, Add	*27.33*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	466.48	51.24
		For Elevated Installation >10' To 15', Add	*10.25*	
		For Elevated Installation >15' To 20', Add	*20.49*	
		For Elevated Installation >20' To 25', Add	*25.62*	
		For Elevated Installation >25' To 30', Add	*35.86*	
		For Elevated Installation >30' To 35', Add	*40.99*	
		For Elevated Installation >35' To 40', Add	*51.24*	
		For Elevated Installation >40', Add	*56.36*	
		For Work In Restricted Working Space, Add	*30.74*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	646.64	59.78
		For Elevated Installation >10' To 15', Add	*11.96*	
		For Elevated Installation >15' To 20', Add	*23.91*	
		For Elevated Installation >20' To 25', Add	*29.89*	
		For Elevated Installation >25' To 30', Add	*41.85*	
		For Elevated Installation >30' To 35', Add	*47.82*	
		For Elevated Installation >35' To 40', Add	*59.78*	
		For Elevated Installation >40', Add	*65.76*	
		For Work In Restricted Working Space, Add	*35.87*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	784.14	68.32
		For Elevated Installation >10' To 15', Add	*13.66*	
		For Elevated Installation >15' To 20', Add	*27.33*	
		For Elevated Installation >20' To 25', Add	*34.16*	
		For Elevated Installation >25' To 30', Add	*47.82*	
		For Elevated Installation >30' To 35', Add	*54.66*	
		For Elevated Installation >35' To 40', Add	*68.32*	
		For Elevated Installation >40', Add	*75.15*	
		For Work In Restricted Working Space, Add	*40.99*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,254.75	108.17
		For Elevated Installation >10' To 15', Add	*21.63*	
		For Elevated Installation >15' To 20', Add	*43.27*	
		For Elevated Installation >20' To 25', Add	*54.09*	
		For Elevated Installation >25' To 30', Add	*75.72*	
		For Elevated Installation >30' To 35', Add	*86.54*	
		For Elevated Installation >35' To 40', Add	*108.17*	
		For Elevated Installation >40', Add	*118.99*	
		For Work In Restricted Working Space, Add	*64.90*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,719.24	165.10
		For Elevated Installation >10' To 15', Add	*33.02*	
		For Elevated Installation >15' To 20', Add	*66.04*	
		For Elevated Installation >20' To 25', Add	*82.55*	
		For Elevated Installation >25' To 30', Add	*115.57*	
		For Elevated Installation >30' To 35', Add	*132.08*	
		For Elevated Installation >35' To 40', Add	*165.11*	
		For Elevated Installation >40', Add	*181.62*	
		For Work In Restricted Working Space, Add	*99.06*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	185.42	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	218.55	39.23
		For Elevated Installation >10' To 15', Add	*7.85*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.46*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.23*	
		For Elevated Installation >40', Add	*43.15*	
		For Work In Restricted Working Space, Add	*23.54*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	241.93	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	344.66	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	451.81	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	489.35	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,139.64	98.43
		For Elevated Installation >10' To 15', Add	*19.69*	
		For Elevated Installation >15' To 20', Add	*39.38*	
		For Elevated Installation >20' To 25', Add	*49.22*	
		For Elevated Installation >25' To 30', Add	*68.91*	
		For Elevated Installation >30' To 35', Add	*78.75*	
		For Elevated Installation >35' To 40', Add	*98.44*	
		For Elevated Installation >40', Add	*108.28*	
		For Work In Restricted Working Space, Add	*59.06*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,209.43	133.22
		For Elevated Installation >10' To 15', Add	*26.65*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.26*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.23*	
		For Elevated Installation >40', Add	*146.55*	
		For Work In Restricted Working Space, Add	*79.94*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,966.45	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.27*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,054.84	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.81*	
		For Elevated Installation >40', Add	*223.09*	
		For Work In Restricted Working Space, Add	*121.68*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	266.81	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	303.99	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	592.07	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	622.28	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	847.29	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	905.54	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,732.79	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,829.70	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,673.99	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1135		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	3,031.09	202.79
			For Elevated Installation >10' To 15', Add	*40.56*	
			For Elevated Installation >15' To 20', Add	*81.12*	
			For Elevated Installation >20' To 25', Add	*101.40*	
			For Elevated Installation >25' To 30', Add	*141.96*	
			For Elevated Installation >30' To 35', Add	*162.24*	
			For Elevated Installation >35' To 40', Add	*202.80*	
			For Elevated Installation >40', Add	*223.07*	
			For Work In Restricted Working Space, Add	*121.68*	
26 05 33 13-1136			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*		
26 05 33 13-1137		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	103.45	18.51
			For Elevated Installation >10' To 15', Add	*3.70*	
			For Elevated Installation >15' To 20', Add	*7.40*	
			For Elevated Installation >20' To 25', Add	*9.25*	
			For Elevated Installation >25' To 30', Add	*12.95*	
			For Elevated Installation >30' To 35', Add	*14.80*	
			For Elevated Installation >35' To 40', Add	*18.50*	
			For Elevated Installation >40', Add	*20.35*	
			For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1138		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	120.70	22.95
			For Elevated Installation >10' To 15', Add	*4.59*	
			For Elevated Installation >15' To 20', Add	*9.18*	
			For Elevated Installation >20' To 25', Add	*11.47*	
			For Elevated Installation >25' To 30', Add	*16.06*	
			For Elevated Installation >30' To 35', Add	*18.35*	
			For Elevated Installation >35' To 40', Add	*22.94*	
			For Elevated Installation >40', Add	*25.23*	
			For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-1139		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	143.97	28.12
			For Elevated Installation >10' To 15', Add	*5.63*	
			For Elevated Installation >15' To 20', Add	*11.25*	
			For Elevated Installation >20' To 25', Add	*14.06*	
			For Elevated Installation >25' To 30', Add	*19.69*	
			For Elevated Installation >30' To 35', Add	*22.50*	
			For Elevated Installation >35' To 40', Add	*28.13*	
			For Elevated Installation >40', Add	*30.94*	
			For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1140		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	169.81	32.56
			For Elevated Installation >10' To 15', Add	*6.51*	
			For Elevated Installation >15' To 20', Add	*13.03*	
			For Elevated Installation >20' To 25', Add	*16.28*	
			For Elevated Installation >25' To 30', Add	*22.80*	
			For Elevated Installation >30' To 35', Add	*26.05*	
			For Elevated Installation >35' To 40', Add	*32.57*	
			For Elevated Installation >40', Add	*35.82*	
			For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1141			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*		
26 05 33 13-1142		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	82.24	18.51
			For Elevated Installation >10' To 15', Add	*3.70*	
			For Elevated Installation >15' To 20', Add	*7.40*	
			For Elevated Installation >20' To 25', Add	*9.25*	
			For Elevated Installation >25' To 30', Add	*12.95*	
			For Elevated Installation >30' To 35', Add	*14.80*	
			For Elevated Installation >35' To 40', Add	*18.50*	
			For Elevated Installation >40', Add	*20.35*	
			For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1143		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	95.25	22.95
			For Elevated Installation >10' To 15', Add	*4.59*	
			For Elevated Installation >15' To 20', Add	*9.18*	
			For Elevated Installation >20' To 25', Add	*11.47*	
			For Elevated Installation >25' To 30', Add	*16.06*	
			For Elevated Installation >30' To 35', Add	*18.35*	
			For Elevated Installation >35' To 40', Add	*22.94*	
			For Elevated Installation >40', Add	*25.23*	
			For Work In Restricted Working Space, Add	*13.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	131.57	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	169.91	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	206.51	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	294.45	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	401.49	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	103.49	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	123.63	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	144.00	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	169.86	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1154		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*		
26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	82.32	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	95.25	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	122.79	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	152.85	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	178.74	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	205.50	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	378.81	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	436.36	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	471.48	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	582.74	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0845)*

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	171.69	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.32*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	185.99	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	204.02	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.98*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	272.29	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.42*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	344.54	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	205.29	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	221.65	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	258.89	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	367.54	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	591.33	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	640.36	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1178		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	224.35	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	253.46	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	277.04	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	385.97	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	635.31	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	680.73	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	224.50	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	247.83	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	294.56	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	400.02	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	656.27	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	706.56	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	277.29	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	306.51	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	332.72	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	826.64	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	136.54	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	150.43	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	168.20	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	150.85	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	162.95	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	185.59	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	143.30	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	158.04	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	173.46	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	160.53	35.53
		For Elevated Installation >10' To 15', Add	*7.11*	
		For Elevated Installation >15' To 20', Add	*14.21*	
		For Elevated Installation >20' To 25', Add	*17.77*	
		For Elevated Installation >25' To 30', Add	*24.87*	
		For Elevated Installation >30' To 35', Add	*28.42*	
		For Elevated Installation >35' To 40', Add	*35.53*	
		For Elevated Installation >40', Add	*39.08*	
		For Work In Restricted Working Space, Add	*21.32*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	175.44	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	198.45	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.32*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	49.39	4.44
		For Elevated Installation >10' To 15', Add	*0.89*	
		For Elevated Installation >15' To 20', Add	*1.78*	
		For Elevated Installation >20' To 25', Add	*2.22*	
		For Elevated Installation >25' To 30', Add	*3.11*	
		For Elevated Installation >30' To 35', Add	*3.55*	
		For Elevated Installation >35' To 40', Add	*4.44*	
		For Elevated Installation >40', Add	*4.88*	
		For Work In Restricted Working Space, Add	*2.66*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	67.04	5.18
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
		For Work In Restricted Working Space, Add	*3.11*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	63.33	5.18
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
		For Work In Restricted Working Space, Add	*3.11*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	56.39	5.18
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
		For Work In Restricted Working Space, Add	*3.11*	
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	271.96	7.40
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.41*	
		For Elevated Installation >40', Add	*8.15*	
		For Work In Restricted Working Space, Add	*4.44*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	241.88	7.40
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.41*	
		For Elevated Installation >40', Add	*8.15*	
		For Work In Restricted Working Space, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*		
		Note: Includes covers.		
26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	290.67	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	326.78	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	448.61	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	534.64	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	771.91	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	975.20	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,424.62	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,767.04	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	290.67	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	326.78	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	447.40	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	522.39	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	783.19	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,025.80	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,485.70	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,805.08	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	290.67	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	326.78	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	447.40	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	522.39	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	783.19	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,025.80	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,485.70	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,805.08	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	290.67	46.63
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.65*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.64*	
		For Elevated Installation >30' To 35', Add	*37.30*	
		For Elevated Installation >35' To 40', Add	*46.63*	
		For Elevated Installation >40', Add	*51.29*	
		For Work In Restricted Working Space, Add	*27.98*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	326.78	54.02
		For Elevated Installation >10' To 15', Add	*10.81*	
		For Elevated Installation >15' To 20', Add	*21.61*	
		For Elevated Installation >20' To 25', Add	*27.02*	
		For Elevated Installation >25' To 30', Add	*37.82*	
		For Elevated Installation >30' To 35', Add	*43.22*	
		For Elevated Installation >35' To 40', Add	*54.03*	
		For Elevated Installation >40', Add	*59.43*	
		For Work In Restricted Working Space, Add	*32.42*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	448.61	59.21
		For Elevated Installation >10' To 15', Add	*11.84*	
		For Elevated Installation >15' To 20', Add	*23.68*	
		For Elevated Installation >20' To 25', Add	*29.61*	
		For Elevated Installation >25' To 30', Add	*41.45*	
		For Elevated Installation >30' To 35', Add	*47.37*	
		For Elevated Installation >35' To 40', Add	*59.21*	
		For Elevated Installation >40', Add	*65.13*	
		For Work In Restricted Working Space, Add	*35.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	528.99	71.06
		For Elevated Installation >10' To 15', Add	*14.21*	
		For Elevated Installation >15' To 20', Add	*28.42*	
		For Elevated Installation >20' To 25', Add	*35.53*	
		For Elevated Installation >25' To 30', Add	*49.74*	
		For Elevated Installation >30' To 35', Add	*56.84*	
		For Elevated Installation >35' To 40', Add	*71.05*	
		For Elevated Installation >40', Add	*78.16*	
		For Work In Restricted Working Space, Add	*42.63*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	771.91	99.92
		For Elevated Installation >10' To 15', Add	*19.98*	
		For Elevated Installation >15' To 20', Add	*39.97*	
		For Elevated Installation >20' To 25', Add	*49.96*	
		For Elevated Installation >25' To 30', Add	*69.94*	
		For Elevated Installation >30' To 35', Add	*79.93*	
		For Elevated Installation >35' To 40', Add	*99.92*	
		For Elevated Installation >40', Add	*109.91*	
		For Work In Restricted Working Space, Add	*59.95*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	975.20	133.22
		For Elevated Installation >10' To 15', Add	*26.64*	
		For Elevated Installation >15' To 20', Add	*53.29*	
		For Elevated Installation >20' To 25', Add	*66.61*	
		For Elevated Installation >25' To 30', Add	*93.25*	
		For Elevated Installation >30' To 35', Add	*106.58*	
		For Elevated Installation >35' To 40', Add	*133.22*	
		For Elevated Installation >40', Add	*146.54*	
		For Work In Restricted Working Space, Add	*79.93*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,424.62	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,782.88	202.79
		For Elevated Installation >10' To 15', Add	*40.56*	
		For Elevated Installation >15' To 20', Add	*81.12*	
		For Elevated Installation >20' To 25', Add	*101.40*	
		For Elevated Installation >25' To 30', Add	*141.96*	
		For Elevated Installation >30' To 35', Add	*162.24*	
		For Elevated Installation >35' To 40', Add	*202.80*	
		For Elevated Installation >40', Add	*223.07*	
		For Work In Restricted Working Space, Add	*121.68*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	141.94	6.66
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.66*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.66*	
		For Elevated Installation >30' To 35', Add	*5.33*	
		For Elevated Installation >35' To 40', Add	*6.66*	
		For Elevated Installation >40', Add	*7.33*	
		For Work In Restricted Working Space, Add	*4.00*	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	143.43	7.40
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.41*	
		For Elevated Installation >40', Add	*8.15*	
		For Work In Restricted Working Space, Add	*4.44*	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	202.74	10.37
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.14*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.25*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.36*	
		For Elevated Installation >40', Add	*11.40*	
		For Work In Restricted Working Space, Add	*6.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	205.70	11.84
		For Elevated Installation >10' To 15', Add	*2.37*	
		For Elevated Installation >15' To 20', Add	*4.74*	
		For Elevated Installation >20' To 25', Add	*5.92*	
		For Elevated Installation >25' To 30', Add	*8.29*	
		For Elevated Installation >30' To 35', Add	*9.47*	
		For Elevated Installation >35' To 40', Add	*11.84*	
		For Elevated Installation >40', Add	*13.02*	
		For Work In Restricted Working Space, Add	*7.10*	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	358.41	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	365.82	17.76
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.44*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.77*	
		For Elevated Installation >40', Add	*19.54*	
		For Work In Restricted Working Space, Add	*10.66*	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	549.92	19.98
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*7.99*	
		For Elevated Installation >20' To 25', Add	*9.99*	
		For Elevated Installation >25' To 30', Add	*13.99*	
		For Elevated Installation >30' To 35', Add	*15.99*	
		For Elevated Installation >35' To 40', Add	*19.99*	
		For Elevated Installation >40', Add	*21.98*	
		For Work In Restricted Working Space, Add	*11.99*	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	561.76	25.90
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.36*	
		For Elevated Installation >20' To 25', Add	*12.95*	
		For Elevated Installation >25' To 30', Add	*18.13*	
		For Elevated Installation >30' To 35', Add	*20.72*	
		For Elevated Installation >35' To 40', Add	*25.91*	
		For Elevated Installation >40', Add	*28.50*	
		For Work In Restricted Working Space, Add	*15.54*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	245.53	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1262	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	290.27	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-1263	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	343.75	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	423.15	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	564.65	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	780.15	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,113.08	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,384.99	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,940.25	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,238.01	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	388.39	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	403.90	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	454.00	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	549.15	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	665.25	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	849.41	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,252.60	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,571.42	69.57
		For Elevated Installation >10' To 15', Add	*13.91*	
		For Elevated Installation >15' To 20', Add	*27.83*	
		For Elevated Installation >20' To 25', Add	*34.79*	
		For Elevated Installation >25' To 30', Add	*48.70*	
		For Elevated Installation >30' To 35', Add	*55.66*	
		For Elevated Installation >35' To 40', Add	*69.57*	
		For Elevated Installation >40', Add	*76.53*	
		For Work In Restricted Working Space, Add	*41.74*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,000.44	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,504.57	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	81.56	8.88
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.10*	
		For Elevated Installation >35' To 40', Add	*8.88*	
		For Elevated Installation >40', Add	*9.77*	
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	88.69	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	97.78	13.32
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Work In Restricted Working Space, Add	*8.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	110.82	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	148.47	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	181.10	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	258.59	25.90
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.36*	
		For Elevated Installation >20' To 25', Add	*12.95*	
		For Elevated Installation >25' To 30', Add	*18.13*	
		For Elevated Installation >30' To 35', Add	*20.72*	
		For Elevated Installation >35' To 40', Add	*25.91*	
		For Elevated Installation >40', Add	*28.50*	
		For Work In Restricted Working Space, Add	*15.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	337.75	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.83*	
		For Elevated Installation >35' To 40', Add	*34.79*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	430.35	39.23
		For Elevated Installation >10' To 15', Add	*7.85*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.46*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.23*	
		For Elevated Installation >40', Add	*43.15*	
		For Work In Restricted Working Space, Add	*23.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.54*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	541.56	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	676.83	82.89
		For Elevated Installation >10' To 15', Add	*16.58*	
		For Elevated Installation >15' To 20', Add	*33.16*	
		For Elevated Installation >20' To 25', Add	*41.45*	
		For Elevated Installation >25' To 30', Add	*58.03*	
		For Elevated Installation >30' To 35', Add	*66.32*	
		For Elevated Installation >35' To 40', Add	*82.90*	
		For Elevated Installation >40', Add	*91.18*	
		For Work In Restricted Working Space, Add	*49.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.74*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,020.78	125.08
		For Elevated Installation >10' To 15', Add	*25.02*	
		For Elevated Installation >15' To 20', Add	*50.03*	
		For Elevated Installation >20' To 25', Add	*62.54*	
		For Elevated Installation >25' To 30', Add	*87.56*	
		For Elevated Installation >30' To 35', Add	*100.06*	
		For Elevated Installation >35' To 40', Add	*125.08*	
		For Elevated Installation >40', Add	*137.59*	
		For Work In Restricted Working Space, Add	*75.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.05*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	122.15	8.88
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.10*	
		For Elevated Installation >35' To 40', Add	*8.88*	
		For Elevated Installation >40', Add	*9.77*	
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	129.57	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	139.55	13.32
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Work In Restricted Working Space, Add	*8.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	159.53	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	171.47	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	193.91	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	294.55	25.90
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.36*	
		For Elevated Installation >20' To 25', Add	*12.95*	
		For Elevated Installation >25' To 30', Add	*18.13*	
		For Elevated Installation >30' To 35', Add	*20.72*	
		For Elevated Installation >35' To 40', Add	*25.91*	
		For Elevated Installation >40', Add	*28.50*	
		For Work In Restricted Working Space, Add	*15.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.54*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	353.26	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.83*	
		For Elevated Installation >35' To 40', Add	*34.79*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	433.70	39.23
		For Elevated Installation >10' To 15', Add	*7.85*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.46*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.23*	
		For Elevated Installation >40', Add	*43.15*	
		For Work In Restricted Working Space, Add	*23.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.54*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	563.18	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	876.73	82.89
		For Elevated Installation >10' To 15', Add	*16.58*	
		For Elevated Installation >15' To 20', Add	*33.16*	
		For Elevated Installation >20' To 25', Add	*41.45*	
		For Elevated Installation >25' To 30', Add	*58.03*	
		For Elevated Installation >30' To 35', Add	*66.32*	
		For Elevated Installation >35' To 40', Add	*82.90*	
		For Elevated Installation >40', Add	*91.18*	
		For Work In Restricted Working Space, Add	*49.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,432.72	125.08
		For Elevated Installation >10' To 15', Add	*25.02*	
		For Elevated Installation >15' To 20', Add	*50.03*	
		For Elevated Installation >20' To 25', Add	*62.54*	
		For Elevated Installation >25' To 30', Add	*87.56*	
		For Elevated Installation >30' To 35', Add	*100.06*	
		For Elevated Installation >35' To 40', Add	*125.08*	
		For Elevated Installation >40', Add	*137.59*	
		For Work In Restricted Working Space, Add	*75.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.05*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	131.17	8.88
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.10*	
		For Elevated Installation >35' To 40', Add	*8.88*	
		For Elevated Installation >40', Add	*9.77*	
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	138.13	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	148.50	13.32
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Work In Restricted Working Space, Add	*8.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	186.70	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	204.27	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	216.54	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	99.61	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	109.63	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*18.76*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	141.72	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	202.68	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	239.92	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	302.51	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	401.46	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	514.80	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	668.80	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	861.55	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,561.58	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,963.49	250.16
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
		For Work In Restricted Working Space, Add	*150.10*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	101.72	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	117.69	22.95
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.18*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.06*	
		For Elevated Installation >30' To 35', Add	*18.35*	
		For Elevated Installation >35' To 40', Add	*22.94*	
		For Elevated Installation >40', Add	*25.23*	
		For Work In Restricted Working Space, Add	*13.76*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	146.01	28.12
		For Elevated Installation >10' To 15', Add	*5.63*	
		For Elevated Installation >15' To 20', Add	*11.25*	
		For Elevated Installation >20' To 25', Add	*14.06*	
		For Elevated Installation >25' To 30', Add	*19.69*	
		For Elevated Installation >30' To 35', Add	*22.50*	
		For Elevated Installation >35' To 40', Add	*28.13*	
		For Elevated Installation >40', Add	*30.94*	
		For Work In Restricted Working Space, Add	*16.88*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	210.56	32.56
		For Elevated Installation >10' To 15', Add	*6.51*	
		For Elevated Installation >15' To 20', Add	*13.03*	
		For Elevated Installation >20' To 25', Add	*16.28*	
		For Elevated Installation >25' To 30', Add	*22.80*	
		For Elevated Installation >30' To 35', Add	*26.05*	
		For Elevated Installation >35' To 40', Add	*32.57*	
		For Elevated Installation >40', Add	*35.82*	
		For Work In Restricted Working Space, Add	*19.54*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	250.86	37.00
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	326.14	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.35*	
		For Elevated Installation >25' To 30', Add	*28.49*	
		For Elevated Installation >30' To 35', Add	*32.56*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	452.02	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	566.21	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	761.74	78.45
		For Elevated Installation >10' To 15', Add	*15.69*	
		For Elevated Installation >15' To 20', Add	*31.38*	
		For Elevated Installation >20' To 25', Add	*39.23*	
		For Elevated Installation >25' To 30', Add	*54.92*	
		For Elevated Installation >30' To 35', Add	*62.76*	
		For Elevated Installation >35' To 40', Add	*78.46*	
		For Elevated Installation >40', Add	*86.30*	
		For Work In Restricted Working Space, Add	*47.07*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	954.14	102.13
		For Elevated Installation >10' To 15', Add	*20.43*	
		For Elevated Installation >15' To 20', Add	*40.85*	
		For Elevated Installation >20' To 25', Add	*51.07*	
		For Elevated Installation >25' To 30', Add	*71.49*	
		For Elevated Installation >30' To 35', Add	*81.71*	
		For Elevated Installation >35' To 40', Add	*102.14*	
		For Elevated Installation >40', Add	*112.35*	
		For Work In Restricted Working Space, Add	*61.28*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,731.32	166.52
		For Elevated Installation >10' To 15', Add	*33.31*	
		For Elevated Installation >15' To 20', Add	*66.61*	
		For Elevated Installation >20' To 25', Add	*83.26*	
		For Elevated Installation >25' To 30', Add	*116.57*	
		For Elevated Installation >30' To 35', Add	*133.22*	
		For Elevated Installation >35' To 40', Add	*166.53*	
		For Elevated Installation >40', Add	*183.18*	
		For Work In Restricted Working Space, Add	*99.92*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,237.57	250.16
		For Elevated Installation >10' To 15', Add	*50.03*	
		For Elevated Installation >15' To 20', Add	*100.06*	
		For Elevated Installation >20' To 25', Add	*125.08*	
		For Elevated Installation >25' To 30', Add	*175.11*	
		For Elevated Installation >30' To 35', Add	*200.13*	
		For Elevated Installation >35' To 40', Add	*250.16*	
		For Elevated Installation >40', Add	*275.18*	
		For Work In Restricted Working Space, Add	*150.10*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	54.20	5.92
		For Elevated Installation >10' To 15', Add	*1.18*	
		For Elevated Installation >15' To 20', Add	*2.37*	
		For Elevated Installation >20' To 25', Add	*2.96*	
		For Elevated Installation >25' To 30', Add	*4.14*	
		For Elevated Installation >30' To 35', Add	*4.74*	
		For Elevated Installation >35' To 40', Add	*5.92*	
		For Elevated Installation >40', Add	*6.51*	
		For Work In Restricted Working Space, Add	*3.55*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	59.71	7.40
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.41*	
		For Elevated Installation >40', Add	*8.15*	
		For Work In Restricted Working Space, Add	*4.44*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	67.62	7.40
		For Elevated Installation >10' To 15', Add	*1.48*	
		For Elevated Installation >15' To 20', Add	*2.96*	
		For Elevated Installation >20' To 25', Add	*3.70*	
		For Elevated Installation >25' To 30', Add	*5.18*	
		For Elevated Installation >30' To 35', Add	*5.92*	
		For Elevated Installation >35' To 40', Add	*7.41*	
		For Elevated Installation >40', Add	*8.15*	
		For Work In Restricted Working Space, Add	*4.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	83.28	8.14
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.07*	
		For Elevated Installation >25' To 30', Add	*5.70*	
		For Elevated Installation >30' To 35', Add	*6.51*	
		For Elevated Installation >35' To 40', Add	*8.14*	
		For Elevated Installation >40', Add	*8.95*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	87.84	8.14
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.07*	
		For Elevated Installation >25' To 30', Add	*5.70*	
		For Elevated Installation >30' To 35', Add	*6.51*	
		For Elevated Installation >35' To 40', Add	*8.14*	
		For Elevated Installation >40', Add	*8.95*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	76.19	9.62
		For Elevated Installation >10' To 15', Add	*1.93*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.74*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.63*	
		For Elevated Installation >40', Add	*10.59*	
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	86.37	9.62
		For Elevated Installation >10' To 15', Add	*1.93*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.74*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.63*	
		For Elevated Installation >40', Add	*10.59*	
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	132.20	9.62
		For Elevated Installation >10' To 15', Add	*1.93*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.74*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.63*	
		For Elevated Installation >40', Add	*10.59*	
		For Work In Restricted Working Space, Add	*5.78*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	147.06	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	143.11	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	150.46	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	168.94	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	168.42	13.32
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.66*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Work In Restricted Working Space, Add	*8.00*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	215.17	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.51*	
		For Elevated Installation >40', Add	*20.36*	
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	315.24	21.46
		For Elevated Installation >10' To 15', Add	*4.29*	
		For Elevated Installation >15' To 20', Add	*8.59*	
		For Elevated Installation >20' To 25', Add	*10.73*	
		For Elevated Installation >25' To 30', Add	*15.03*	
		For Elevated Installation >30' To 35', Add	*17.17*	
		For Elevated Installation >35' To 40', Add	*21.47*	
		For Elevated Installation >40', Add	*23.61*	
		For Work In Restricted Working Space, Add	*12.88*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	422.02	29.60
		For Elevated Installation >10' To 15', Add	*5.92*	
		For Elevated Installation >15' To 20', Add	*11.84*	
		For Elevated Installation >20' To 25', Add	*14.81*	
		For Elevated Installation >25' To 30', Add	*20.73*	
		For Elevated Installation >30' To 35', Add	*23.69*	
		For Elevated Installation >35' To 40', Add	*29.61*	
		For Elevated Installation >40', Add	*32.57*	
		For Work In Restricted Working Space, Add	*17.77*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	528.73	40.71
		For Elevated Installation >10' To 15', Add	*8.14*	
		For Elevated Installation >15' To 20', Add	*16.28*	
		For Elevated Installation >20' To 25', Add	*20.36*	
		For Elevated Installation >25' To 30', Add	*28.50*	
		For Elevated Installation >30' To 35', Add	*32.57*	
		For Elevated Installation >35' To 40', Add	*40.71*	
		For Elevated Installation >40', Add	*44.78*	
		For Work In Restricted Working Space, Add	*24.43*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.52	8.88
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.55*	
		For Elevated Installation >20' To 25', Add	*4.44*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.10*	
		For Elevated Installation >35' To 40', Add	*8.88*	
		For Elevated Installation >40', Add	*9.77*	
		For Work In Restricted Working Space, Add	*5.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.30	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.21	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.04	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.25	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.29	9.62
		For Elevated Installation >10' To 15', Add	*1.93*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.74*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.63*	
		For Elevated Installation >40', Add	*10.59*	
		For Work In Restricted Working Space, Add	*5.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.78*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.72	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.66	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.64	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.05	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.70	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.45	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.89	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.98	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.98	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.39	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.58	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.75	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.20	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.45	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.39	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.94	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.29	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	100.88	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	131.42	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.92	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.51	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.79	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.79	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.49	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.01	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	103.28	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	136.59	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	162.04	39.23
		For Elevated Installation >10' To 15', Add	*7.84*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.45*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.22*	
		For Elevated Installation >40', Add	*43.14*	
		For Work In Restricted Working Space, Add	*23.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	191.57	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.24	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.85	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.16	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.45	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.17	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	77.49	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	112.84	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	144.33	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.69	39.23
		For Elevated Installation >10' To 15', Add	*7.84*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.45*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.22*	
		For Elevated Installation >40', Add	*43.14*	
		For Work In Restricted Working Space, Add	*23.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	195.99	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	286.60	70.31
		For Elevated Installation >10' To 15', Add	*14.06*	
		For Elevated Installation >15' To 20', Add	*28.12*	
		For Elevated Installation >20' To 25', Add	*35.15*	
		For Elevated Installation >25' To 30', Add	*49.21*	
		For Elevated Installation >30' To 35', Add	*56.24*	
		For Elevated Installation >35' To 40', Add	*70.31*	
		For Elevated Installation >40', Add	*77.34*	
		For Work In Restricted Working Space, Add	*42.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.18*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.84	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.46	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.81	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.66	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.63	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.97	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	122.54	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	154.61	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	172.95	39.23
		For Elevated Installation >10' To 15', Add	*7.84*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.45*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.22*	
		For Elevated Installation >40', Add	*43.14*	
		For Work In Restricted Working Space, Add	*23.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	211.61	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	309.96	70.31
		For Elevated Installation >10' To 15', Add	*14.06*	
		For Elevated Installation >15' To 20', Add	*28.12*	
		For Elevated Installation >20' To 25', Add	*35.15*	
		For Elevated Installation >25' To 30', Add	*49.21*	
		For Elevated Installation >30' To 35', Add	*56.24*	
		For Elevated Installation >35' To 40', Add	*70.31*	
		For Elevated Installation >40', Add	*77.34*	
		For Work In Restricted Working Space, Add	*42.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.18*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.79	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.38	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.27	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.98	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.59	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	86.20	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.47	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	168.68	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	196.15	39.23
		For Elevated Installation >10' To 15', Add	*7.84*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.45*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.22*	
		For Elevated Installation >40', Add	*43.14*	
		For Work In Restricted Working Space, Add	*23.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	235.07	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	325.97	70.31
		For Elevated Installation >10' To 15', Add	*14.06*	
		For Elevated Installation >15' To 20', Add	*28.12*	
		For Elevated Installation >20' To 25', Add	*35.15*	
		For Elevated Installation >25' To 30', Add	*49.21*	
		For Elevated Installation >30' To 35', Add	*56.24*	
		For Elevated Installation >35' To 40', Add	*70.31*	
		For Elevated Installation >40', Add	*77.34*	
		For Work In Restricted Working Space, Add	*42.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.18*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.78	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.35	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.70	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.34	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.62	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	96.82	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	147.09	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	186.71	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.50	39.23
		For Elevated Installation >10' To 15', Add	*7.84*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.45*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.22*	
		For Elevated Installation >40', Add	*43.14*	
		For Work In Restricted Working Space, Add	*23.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	276.12	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	357.92	70.31
		For Elevated Installation >10' To 15', Add	*14.06*	
		For Elevated Installation >15' To 20', Add	*28.12*	
		For Elevated Installation >20' To 25', Add	*35.15*	
		For Elevated Installation >25' To 30', Add	*49.21*	
		For Elevated Installation >30' To 35', Add	*56.24*	
		For Elevated Installation >35' To 40', Add	*70.31*	
		For Elevated Installation >40', Add	*77.34*	
		For Work In Restricted Working Space, Add	*42.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.18*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.80	9.62
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.77*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.49	11.10
		For Elevated Installation >10' To 15', Add	*2.22*	
		For Elevated Installation >15' To 20', Add	*4.44*	
		For Elevated Installation >20' To 25', Add	*5.55*	
		For Elevated Installation >25' To 30', Add	*7.77*	
		For Elevated Installation >30' To 35', Add	*8.88*	
		For Elevated Installation >35' To 40', Add	*11.10*	
		For Elevated Installation >40', Add	*12.21*	
		For Work In Restricted Working Space, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.34	14.06
		For Elevated Installation >10' To 15', Add	*2.81*	
		For Elevated Installation >15' To 20', Add	*5.62*	
		For Elevated Installation >20' To 25', Add	*7.03*	
		For Elevated Installation >25' To 30', Add	*9.84*	
		For Elevated Installation >30' To 35', Add	*11.25*	
		For Elevated Installation >35' To 40', Add	*14.06*	
		For Elevated Installation >40', Add	*15.47*	
		For Work In Restricted Working Space, Add	*8.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.52	16.28
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	88.14	18.51
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.40*	
		For Elevated Installation >20' To 25', Add	*9.25*	
		For Elevated Installation >25' To 30', Add	*12.95*	
		For Elevated Installation >30' To 35', Add	*14.80*	
		For Elevated Installation >35' To 40', Add	*18.50*	
		For Elevated Installation >40', Add	*20.35*	
		For Work In Restricted Working Space, Add	*11.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	105.36	20.72
		For Elevated Installation >10' To 15', Add	*4.14*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.36*	
		For Elevated Installation >25' To 30', Add	*14.50*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.72*	
		For Elevated Installation >40', Add	*22.79*	
		For Work In Restricted Working Space, Add	*12.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.43*	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.93	25.16
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.06*	
		For Elevated Installation >20' To 25', Add	*12.58*	
		For Elevated Installation >25' To 30', Add	*17.61*	
		For Elevated Installation >30' To 35', Add	*20.13*	
		For Elevated Installation >35' To 40', Add	*25.16*	
		For Elevated Installation >40', Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	213.73	34.79
		For Elevated Installation >10' To 15', Add	*6.96*	
		For Elevated Installation >15' To 20', Add	*13.91*	
		For Elevated Installation >20' To 25', Add	*17.39*	
		For Elevated Installation >25' To 30', Add	*24.35*	
		For Elevated Installation >30' To 35', Add	*27.82*	
		For Elevated Installation >35' To 40', Add	*34.78*	
		For Elevated Installation >40', Add	*38.26*	
		For Work In Restricted Working Space, Add	*20.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.87*	
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	235.45	39.23
		For Elevated Installation >10' To 15', Add	*7.84*	
		For Elevated Installation >15' To 20', Add	*15.69*	
		For Elevated Installation >20' To 25', Add	*19.61*	
		For Elevated Installation >25' To 30', Add	*27.45*	
		For Elevated Installation >30' To 35', Add	*31.38*	
		For Elevated Installation >35' To 40', Add	*39.22*	
		For Elevated Installation >40', Add	*43.14*	
		For Work In Restricted Working Space, Add	*23.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.53*	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	288.71	51.07
		For Elevated Installation >10' To 15', Add	*10.21*	
		For Elevated Installation >15' To 20', Add	*20.43*	
		For Elevated Installation >20' To 25', Add	*25.53*	
		For Elevated Installation >25' To 30', Add	*35.75*	
		For Elevated Installation >30' To 35', Add	*40.85*	
		For Elevated Installation >35' To 40', Add	*51.07*	
		For Elevated Installation >40', Add	*56.17*	
		For Work In Restricted Working Space, Add	*30.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.64*	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	362.48	70.31
		For Elevated Installation >10' To 15', Add	*14.06*	
		For Elevated Installation >15' To 20', Add	*28.12*	
		For Elevated Installation >20' To 25', Add	*35.15*	
		For Elevated Installation >25' To 30', Add	*49.21*	
		For Elevated Installation >30' To 35', Add	*56.24*	
		For Elevated Installation >35' To 40', Add	*70.31*	
		For Elevated Installation >40', Add	*77.34*	
		For Work In Restricted Working Space, Add	*42.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.18*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	6.78	2.28
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.71*	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.72	2.51
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.94*	
		For Work In Restricted Working Space, Add	*1.88*	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.90	2.74
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.02*	
		For Work In Restricted Working Space, Add	*2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.11	2.96
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.22*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.34	3.19
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.20*	
		For Work In Restricted Working Space, Add	*2.39*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.61	3.64
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.37*	
		For Work In Restricted Working Space, Add	*2.73*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	18.50	4.55
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.71*	
		For Work In Restricted Working Space, Add	*3.42*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	23.00	5.46
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.05*	
		For Work In Restricted Working Space, Add	*4.10*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	28.29	6.83
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.56*	
		For Work In Restricted Working Space, Add	*5.12*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	34.91	8.65
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.24*	
		For Work In Restricted Working Space, Add	*6.49*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	46.34	10.93
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.10*	
		For Work In Restricted Working Space, Add	*8.20*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	59.16	13.66
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.12*	
		For Work In Restricted Working Space, Add	*10.25*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	41.18	11.84
		For Work In Restricted Working Space, Add	*8.88*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	51.98	13.43
		For Work In Restricted Working Space, Add	*10.08*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	63.19	15.49
		For Work In Restricted Working Space, Add	*11.62*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	80.44	17.76
		For Work In Restricted Working Space, Add	*13.32*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	114.79	21.63
		For Work In Restricted Working Space, Add	*16.22*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	163.80	28.01
		For Work In Restricted Working Space, Add	*21.01*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	224.82	31.43
		For Work In Restricted Working Space, Add	*23.57*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	271.92	39.40
		For Work In Restricted Working Space, Add	*29.55*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	673.34	64.22
		For Work In Restricted Working Space, Add	*48.17*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	950.87	96.56
		For Work In Restricted Working Space, Add	*72.42*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	12.27	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	18.36	5.92
		For Work In Restricted Working Space, Add	*4.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	18.78	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	21.12	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	25.87	10.02
		For Work In Restricted Working Space, Add	*7.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	31.52	12.07
		For Work In Restricted Working Space, Add	*9.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.05*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	38.61	14.35
		For Work In Restricted Working Space, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	45.05	16.40
		For Work In Restricted Working Space, Add	*12.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	48.73	17.76
		For Work In Restricted Working Space, Add	*13.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.32*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	53.01	19.13
		For Work In Restricted Working Space, Add	*14.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	70.27	25.50
		For Work In Restricted Working Space, Add	*19.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.13*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	104.57	38.25
		For Work In Restricted Working Space, Add	*28.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.70*	
26 05 33 13-1488		**Schedule 40 Polyvinyl Chloride (PVC) Conduit** *(26 05 33 13-0059)*		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1489		**Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings** *(26 05 33 13-1488)*		
		Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		
26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.45	1.77
		For Schedule 60, Add	*0.47*	
		For Schedule 80, Add	*0.80*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.22	1.94
		For Schedule 60, Add	*0.58*	
		For Schedule 80, Add	*0.96*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.71	2.27
		For Schedule 60, Add	*0.79*	
		For Schedule 80, Add	*1.28*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.20	2.59
		For Schedule 60, Add	*1.00*	
		For Schedule 80, Add	*1.60*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	10.81	3.03
		For Schedule 60, Add	*1.19*	
		For Schedule 80, Add	*1.89*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	12.92	3.47
		For Schedule 60, Add	*1.50*	
		For Schedule 80, Add	*2.36*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.10	4.12
		For Schedule 60, Add	*2.22*	
		For Schedule 80, Add	*3.42*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	20.03	4.76
		For Schedule 60, Add	*2.63*	
		For Schedule 80, Add	*4.04*	
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	24.46	5.63
		For Schedule 60, Add	*3.30*	
		For Schedule 80, Add	*5.04*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	28.74	6.92
		For Schedule 60, Add	*3.72*	
		For Schedule 80, Add	*5.73*	
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	40.99	9.74
		For Schedule 60, Add	*5.38*	
		For Schedule 80, Add	*8.26*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	54.44	12.99
		For Schedule 60, Add	*7.12*	
		For Schedule 80, Add	*10.94*	
26 05 33 13-1502		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows** *(26 05 33 13-1488)*		
		See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	23.06	8.65
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.44*	
		For Schedule 80, Add	*2.66*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	25.51	9.53
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.62*	
		For Schedule 80, Add	*2.98*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	29.70	10.82
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.02*	
		For Schedule 80, Add	*3.63*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	38.46	13.85
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.69*	
		For Schedule 80, Add	*4.80*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	48.49	17.32
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*3.46*	
		For Schedule 80, Add	*6.15*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	61.30	21.65
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*4.50*	
		For Schedule 80, Add	*7.93*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	77.63	25.97
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*6.42*	
		For Schedule 80, Add	*10.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	96.48	30.30
		For Schedule 60, Add	*8.97*	
		For Schedule 80, Add	*14.83*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	120.79	36.79
		For Schedule 60, Add	*11.80*	
		For Schedule 80, Add	*19.28*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	145.27	43.29
		For Schedule 60, Add	*14.67*	
		For Schedule 80, Add	*23.79*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	200.63	54.11
		For Schedule 60, Add	*23.10*	
		For Schedule 80, Add	*36.40*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	245.64	64.94
		For Schedule 60, Add	*28.94*	
		For Schedule 80, Add	*45.39*	
26 05 33 13-1515		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-1488)* See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	23.06	8.65
		For Schedule 60, Add	*1.44*	
		For Schedule 80, Add	*2.66*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	25.41	9.53
		For Schedule 60, Add	*1.59*	
		For Schedule 80, Add	*2.94*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	29.56	10.82
		For Schedule 60, Add	*1.98*	
		For Schedule 80, Add	*3.58*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	38.05	13.85
		For Schedule 60, Add	*2.59*	
		For Schedule 80, Add	*4.66*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	47.57	17.32
		For Schedule 60, Add	*3.23*	
		For Schedule 80, Add	*5.83*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	60.81	21.65
		For Schedule 60, Add	*4.38*	
		For Schedule 80, Add	*7.76*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	76.71	25.97
		For Schedule 60, Add	*6.19*	
		For Schedule 80, Add	*10.61*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	95.32	30.30
		For Schedule 60, Add	*8.68*	
		For Schedule 80, Add	*14.42*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	117.52	36.79
		For Schedule 60, Add	*10.98*	
		For Schedule 80, Add	*18.13*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	142.46	43.29
		For Schedule 60, Add	*13.97*	
		For Schedule 80, Add	*22.81*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	196.99	54.11
		For Schedule 60, Add	*22.19*	
		For Schedule 80, Add	*35.13*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	234.81	64.94
		For Schedule 60, Add	*26.24*	
		For Schedule 80, Add	*41.60*	
26 05 33 13-1528		Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow *(26 05 33 13-1488)*		
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	90.41	28.12
		For Schedule 80, Add	*17.58*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	105.99	32.56
		For Schedule 80, Add	*20.81*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	119.98	37.00
		For Schedule 80, Add	*23.49*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	143.00	40.71
		For Schedule 80, Add	*29.70*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	188.35	51.07
		For Schedule 80, Add	*40.39*	

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26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	245.67	69.57
		For Schedule 80, Add	*51.20*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	296.56	78.45
		For Schedule 80, Add	*64.57*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	354.04	102.13
		For Schedule 80, Add	*72.85*	

26 05 33 13-1537 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	96.68	28.12
		For Schedule 80, Add	*19.78*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	121.09	32.56
		For Schedule 80, Add	*26.10*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	141.59	37.00
		For Schedule 80, Add	*31.05*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	153.70	40.71
		For Schedule 80, Add	*33.44*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	221.31	51.07
		For Schedule 80, Add	*51.93*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	293.61	69.57
		For Schedule 80, Add	*67.98*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	326.07	78.45
		For Schedule 80, Add	*74.90*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	389.77	102.13
		For Schedule 80, Add	*85.35*	

26 05 33 13-1546 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	113.59	28.12
		For Schedule 80, Add	*25.69*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	128.17	32.56
		For Schedule 80, Add	*28.58*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	145.75	37.00
		For Schedule 80, Add	*32.51*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	173.87	40.71
		For Schedule 80, Add	*40.50*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	233.60	51.07
		For Schedule 80, Add	*56.23*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	303.92	69.57
		For Schedule 80, Add	*71.59*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	365.36	78.45
		For Schedule 80, Add	*88.65*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	425.05	102.13
		For Schedule 80, Add	*97.70*	

26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	117.05	28.12
		For Schedule 80, Add	*26.91*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	149.14	32.56
		For Schedule 80, Add	*35.92*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	162.38	37.00
		For Schedule 80, Add	*38.33*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	174.62	40.71
		For Schedule 80, Add	*40.76*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	260.64	51.07
		For Schedule 80, Add	*65.69*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	364.53	69.57
		For Schedule 80, Add	*92.80*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	420.56	78.45
		For Schedule 80, Add	*107.97*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	490.42	102.13
		For Schedule 80, Add	*120.58*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	784.41	166.24
		For Schedule 80, Add	*191.28*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,147.75	250.50
		For Schedule 80, Add	*276.63*	

26 05 33 13-1566 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	130.31	28.12
		For Schedule 80, Add	*31.55*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	152.69	32.56
		For Schedule 80, Add	*37.16*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	173.05	37.00
		For Schedule 80, Add	*42.07*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	211.48	40.71
		For Schedule 80, Add	*53.67*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	287.04	51.07
		For Schedule 80, Add	*74.93*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572		EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	407.88	69.57
			For Schedule 80, Add	*107.97*	
26 05 33 13-1573		EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	462.01	78.45
			For Schedule 80, Add	*122.48*	
26 05 33 13-1574		EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	562.36	102.13
			For Schedule 80, Add	*145.76*	
26 05 33 13-1575		EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	826.50	166.24
			For Schedule 80, Add	*206.01*	
26 05 33 13-1576		EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,181.84	250.50
			For Schedule 80, Add	*288.56*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578		EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	15.81	6.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-1579		EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	18.21	6.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1580		EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	20.70	7.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1581		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	23.33	8.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 05 33 13-1582		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	28.88	10.82
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 33 13-1583		EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	35.07	12.99
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 05 33 13-1584		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	48.08	17.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1585		EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	60.63	21.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 33 13-1586		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	78.63	28.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1587		EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	95.23	34.63
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.97*	
26 05 33 13-1588		EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	125.72	43.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 05 33 13-1589		EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	156.39	54.11
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591		EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.29	5.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 33 13-1592		EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	20.84	6.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-1593		EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	23.41	6.92
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1594		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	27.84	7.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1595		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	31.04	8.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 05 33 13-1596		EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.25	9.96
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.47*	
26 05 33 13-1597		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	41.69	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	
26 05 33 13-1598		EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	47.20	12.99
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 05 33 13-1599		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	55.91	15.16
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	
26 05 33 13-1600		EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	61.73	17.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1601		EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	77.98	19.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.61*	
26 05 33 13-1602		EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	87.72	21.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604		EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-1605		EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	20.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.99*	
26 05 33 13-1606		EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	23.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-1607		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	26.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.40*	
26 05 33 13-1608		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	28.65	10.82
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 33 13-1609		EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	34.76	12.99
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 05 33 13-1610		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	47.46	17.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1611		EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	59.77	21.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	77.52	28.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	94.09	34.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.97*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	123.48	43.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	153.71	54.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	49.34	17.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	57.27	19.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.61*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	63.60	21.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	78.49	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	97.02	32.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.35*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	125.53	38.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.22*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	213.60	43.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	228.11	47.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.72*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	247.99	54.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.58*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	277.01	62.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.08*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	64.99	22.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	72.73	25.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	78.66	27.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	98.37	31.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	118.82	38.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.03*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	146.09	45.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	105.80	21.65
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	117.93	25.97
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	130.84	30.30
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	142.97	34.63
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	154.80	38.96
26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	169.12	43.29
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	206.79	49.78
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	247.52	56.27
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	289.66	64.94
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	344.51	75.76
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	455.13	90.91
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	598.29	116.88

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	13.54	4.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.25*	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	16.02	5.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.90*	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	18.43	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	22.03	6.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	25.67	7.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	30.31	8.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	43.21	9.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.47*	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	47.34	11.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.44*	

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26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	60.47	12.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.41*	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	73.13	13.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	85.04	15.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	107.57	17.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1660		**Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-1488)*		
26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	135.13	38.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.22*	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	141.12	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	341.76	43.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.47*	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	665.07	62.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.08*	
26 05 33 13-1665		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-0059)*		
		Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1666		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-1665)*		
		Note: Includes field bending conduit up to and including 1"		
26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.32	1.77
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.50	1.94
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.70	2.25
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.89	2.59
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.57	3.03
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.87	3.47
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.12	4.12
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.71	4.76
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.36	5.63
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	32.08	6.92
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	42.79	9.74
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	55.52	12.99
26 05 33 13-1679		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)*		
26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	130.60	8.65
		For 24" Radius, Add	*9.25*	
		For 36" Radius, Add	*13.06*	
		For 48" Radius, Add	*16.87*	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	145.79	9.53
		For 24" Radius, Add	*10.34*	
		For 36" Radius, Add	*14.58*	
		For 48" Radius, Add	*18.82*	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	150.27	10.82
		For 24" Radius, Add	*10.59*	
		For 36" Radius, Add	*15.03*	
		For 48" Radius, Add	*19.46*	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	159.05	13.85
		For 24" Radius, Add	*11.06*	
		For 36" Radius, Add	*15.91*	
		For 48" Radius, Add	*20.75*	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	168.95	17.32
		For 24" Radius, Add	*11.59*	
		For 36" Radius, Add	*16.90*	
		For 48" Radius, Add	*22.20*	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	197.10	21.65
		For 24" Radius, Add	*13.43*	
		For 36" Radius, Add	*19.71*	
		For 48" Radius, Add	*25.99*	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	236.08	25.97
		For 24" Radius, Add	*16.08*	
		For 36" Radius, Add	*23.61*	
		For 48" Radius, Add	*31.13*	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	281.13	30.30
		For 24" Radius, Add	*19.19*	
		For 36" Radius, Add	*28.11*	
		For 48" Radius, Add	*37.04*	

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26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	323.03	36.79
		For 24" Radius, Add	*21.93*	
		For 36" Radius, Add	*32.30*	
		For 48" Radius, Add	*42.68*	
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	364.93	43.29
		For 24" Radius, Add	*24.66*	
		For 36" Radius, Add	*36.49*	
		For 48" Radius, Add	*48.32*	
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	456.16	54.11
		For 24" Radius, Add	*30.83*	
		For 36" Radius, Add	*45.62*	
		For 48" Radius, Add	*60.40*	
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	563.44	64.94
		For 24" Radius, Add	*38.20*	
		For 36" Radius, Add	*56.34*	
		For 48" Radius, Add	*74.49*	
26 05 33 13-1692		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)*		
26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	110.99	8.65
		For 24" Radius, Add	*7.78*	
		For 36" Radius, Add	*11.10*	
		For 48" Radius, Add	*14.42*	
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	123.83	9.53
		For 24" Radius, Add	*8.69*	
		For 36" Radius, Add	*12.38*	
		For 48" Radius, Add	*16.07*	
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	128.09	10.82
		For 24" Radius, Add	*8.93*	
		For 36" Radius, Add	*12.81*	
		For 48" Radius, Add	*16.69*	
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	136.66	13.85
		For 24" Radius, Add	*9.38*	
		For 36" Radius, Add	*13.67*	
		For 48" Radius, Add	*17.95*	
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	146.33	17.32
		For 24" Radius, Add	*9.89*	
		For 36" Radius, Add	*14.63*	
		For 48" Radius, Add	*19.37*	
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	171.36	21.65
		For 24" Radius, Add	*11.50*	
		For 36" Radius, Add	*17.14*	
		For 48" Radius, Add	*22.77*	
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	205.28	25.97
		For 24" Radius, Add	*13.77*	
		For 36" Radius, Add	*20.53*	
		For 48" Radius, Add	*27.28*	
26 05 33 13-1700	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	244.16	30.30
		For 24" Radius, Add	*16.42*	
		For 36" Radius, Add	*24.42*	
		For 48" Radius, Add	*32.41*	
26 05 33 13-1701	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	281.44	36.79
		For 24" Radius, Add	*18.81*	
		For 36" Radius, Add	*28.14*	
		For 48" Radius, Add	*37.48*	
26 05 33 13-1702	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	318.72	43.29
		For 24" Radius, Add	*21.20*	
		For 36" Radius, Add	*31.87*	
		For 48" Radius, Add	*42.55*	
26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	398.40	54.11
		For 24" Radius, Add	*26.50*	
		For 36" Radius, Add	*39.84*	
		For 48" Radius, Add	*53.18*	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	491.24	64.94
		For 24" Radius, Add	*32.78*	
		For 36" Radius, Add	*49.12*	
		For 48" Radius, Add	*65.46*	
26 05 33 13-1705		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)*		
26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	103.37	7.79
		For 24" Radius, Add	*7.27*	
		For 36" Radius, Add	*10.34*	
		For 48" Radius, Add	*13.41*	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	115.35	8.57
		For 24" Radius, Add	*8.12*	
		For 36" Radius, Add	*11.54*	
		For 48" Radius, Add	*14.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	119.23	9.74
		For 24" Radius, Add	*8.33*	
		For 36" Radius, Add	*11.92*	
		For 48" Radius, Add	*15.51*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	126.97	12.47
		For 24" Radius, Add	*8.74*	
		For 36" Radius, Add	*12.70*	
		For 48" Radius, Add	*16.65*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	135.72	15.59
		For 24" Radius, Add	*9.21*	
		For 36" Radius, Add	*13.57*	
		For 48" Radius, Add	*17.94*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	158.80	19.48
		For 24" Radius, Add	*10.69*	
		For 36" Radius, Add	*15.88*	
		For 48" Radius, Add	*21.07*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	190.22	23.38
		For 24" Radius, Add	*12.81*	
		For 36" Radius, Add	*19.02*	
		For 48" Radius, Add	*25.24*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	226.31	27.28
		For 24" Radius, Add	*15.27*	
		For 36" Radius, Add	*22.63*	
		For 48" Radius, Add	*29.99*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	260.69	33.11
		For 24" Radius, Add	*17.48*	
		For 36" Radius, Add	*26.07*	
		For 48" Radius, Add	*34.66*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	295.07	38.96
		For 24" Radius, Add	*19.70*	
		For 36" Radius, Add	*29.51*	
		For 48" Radius, Add	*39.32*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	368.84	48.70
		For 24" Radius, Add	*24.62*	
		For 36" Radius, Add	*36.88*	
		For 48" Radius, Add	*49.15*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	454.96	58.44
		For 24" Radius, Add	*30.47*	
		For 36" Radius, Add	*45.50*	
		For 48" Radius, Add	*60.52*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	97.93	7.79
		For 24" Radius, Add	*6.86*	
		For 36" Radius, Add	*9.79*	
		For 48" Radius, Add	*12.73*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	109.26	8.57
		For 24" Radius, Add	*7.66*	
		For 36" Radius, Add	*10.93*	
		For 48" Radius, Add	*14.19*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	113.07	9.74
		For 24" Radius, Add	*7.87*	
		For 36" Radius, Add	*11.31*	
		For 48" Radius, Add	*14.74*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	120.75	12.47
		For 24" Radius, Add	*8.28*	
		For 36" Radius, Add	*12.08*	
		For 48" Radius, Add	*15.87*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	129.43	15.59
		For 24" Radius, Add	*8.73*	
		For 36" Radius, Add	*12.94*	
		For 48" Radius, Add	*17.15*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	151.65	19.48
		For 24" Radius, Add	*10.16*	
		For 36" Radius, Add	*15.17*	
		For 48" Radius, Add	*20.17*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	181.66	23.38
		For 24" Radius, Add	*12.16*	
		For 36" Radius, Add	*18.17*	
		For 48" Radius, Add	*24.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	216.05	27.28
		For 24" Radius, Add	*14.50*	
		For 36" Radius, Add	*21.61*	
		For 48" Radius, Add	*28.71*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	249.14	33.11
		For 24" Radius, Add	*16.62*	
		For 36" Radius, Add	*24.91*	
		For 48" Radius, Add	*33.21*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	282.23	38.96
		For 24" Radius, Add	*18.73*	
		For 36" Radius, Add	*28.22*	
		For 48" Radius, Add	*37.71*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	352.79	48.70
		For 24" Radius, Add	*23.42*	
		For 36" Radius, Add	*35.28*	
		For 48" Radius, Add	*47.14*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	434.90	58.44
		For 24" Radius, Add	*28.97*	
		For 36" Radius, Add	*43.49*	
		For 48" Radius, Add	*58.02*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	60.27	6.06
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	67.59	6.92
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.27	7.79
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	72.86	8.65
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	79.29	10.82
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	94.67	12.99
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	118.16	17.32
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	143.96	21.65
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	171.43	28.14
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	198.88	34.63
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	248.60	43.29
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	310.69	54.11

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	40.61	6.06
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	45.60	6.92
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	48.06	7.79
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	50.53	8.65
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	56.23	10.82
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	61.81	12.99
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	78.50	17.32
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	96.38	21.65
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	117.91	28.14
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	139.41	34.63
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	174.32	43.29
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	217.84	54.11

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.80	4.98
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	52.49	6.92
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	55.03	7.79
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	57.42	8.65
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	63.63	10.82
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	76.02	12.99
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	95.53	17.32
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	116.79	21.65
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	140.86	28.14
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	164.91	34.63
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	206.11	43.29
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	257.68	54.11

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	88.98	21.65
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	103.62	25.97
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	114.87	30.30
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	125.93	34.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	137.66	38.96
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	156.14	43.29
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	181.97	49.78
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	209.70	56.27
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	239.96	64.94
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	275.64	75.76
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	324.26	86.57
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	378.28	97.40
26 05 33 13-1783		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-1665)*		
26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	103.14	21.65
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	119.49	25.97
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	130.83	30.30
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	142.06	34.63
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	153.92	38.96
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	174.71	43.29
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	204.25	49.78
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	236.44	56.27
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	270.06	64.94
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	309.09	75.76
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	366.19	86.57
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	430.69	97.40
26 05 33 13-1796		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-1665)*		
26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	131.74	6.06
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	146.83	6.92
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	152.97	7.79
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	159.29	8.65
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	166.83	10.82
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	185.54	12.99
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	227.01	17.32
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	274.45	21.65
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	318.25	28.14
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	362.02	34.63
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	452.64	43.29
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	563.12	54.11
26 05 33 13-1809		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-1665)*		
26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	127.76	21.65
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	146.79	25.97
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	176.87	30.30
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	222.89	34.63
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	284.28	38.96
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	385.18	43.29
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	560.28	49.78
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	681.10	56.27
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	826.95	64.94
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	978.21	75.76
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,153.44	86.57
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,834.23	97.40
26 05 33 13-1822		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover** *(26 05 33 13-1665)*		
26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	108.49	17.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	126.45	19.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.61*	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	172.65	21.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	211.37	25.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	269.43	32.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.35*	
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	376.32	38.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.22*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	636.61	45.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	827.18	51.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.96*	
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	996.99	60.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.45*	
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,166.82	69.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.95*	
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,380.22	77.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.44*	
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,567.47	86.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.93*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	41.83	9.49
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	51.15	10.49
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	80.20	13.98
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	105.10	15.48
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	132.08	18.97
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	163.95	21.97
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	248.80	31.41
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	315.32	37.39
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	523.17	44.87
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	558.34	57.33

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	146.86	29.96
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	165.60	33.96
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	193.13	37.45
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	166.95	37.45
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	199.01	44.94
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	234.91	51.43

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	121.52	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	125.01	27.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.97*	
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	136.43	30.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.84*	
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	174.79	37.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.09*	
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	221.83	43.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.95*	
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	282.92	49.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.45*	
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	404.04	74.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	510.41	93.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.29*	
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	711.12	103.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.39*	
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	910.57	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.12*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	307.27	11.48
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	401.34	12.98

26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1871		LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.53	
			For Schedule 60, Add	*0.43*	
			For Schedule 80, Add	*0.71*	
26 05 33 13-1872		LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.14	
			For Schedule 60, Add	*0.53*	
			For Schedule 80, Add	*0.85*	
26 05 33 13-1873		LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.09	
			For Schedule 60, Add	*0.71*	
			For Schedule 80, Add	*1.12*	
26 05 33 13-1874		LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.04	
			For Schedule 60, Add	*0.89*	
			For Schedule 80, Add	*1.38*	
26 05 33 13-1875		LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.84	
			For Schedule 60, Add	*1.04*	
			For Schedule 80, Add	*1.59*	
26 05 33 13-1876		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.14	
			For Schedule 60, Add	*1.31*	
			For Schedule 80, Add	*1.98*	
26 05 33 13-1877		LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	11.96	
			For Schedule 60, Add	*1.96*	
			For Schedule 80, Add	*2.90*	
26 05 33 13-1878		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.54	
			For Schedule 60, Add	*2.30*	
			For Schedule 80, Add	*3.39*	
26 05 33 13-1879		LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.07	
			For Schedule 60, Add	*2.88*	
			For Schedule 80, Add	*4.20*	
26 05 33 13-1880		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	17.37	
			For Schedule 60, Add	*3.15*	
			For Schedule 80, Add	*4.59*	
26 05 33 13-1881		LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	22.86	
			For Schedule 60, Add	*4.47*	
			For Schedule 80, Add	*6.45*	
26 05 33 13-1882		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	28.47	
			For Schedule 60, Add	*5.82*	
			For Schedule 80, Add	*8.34*	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	28.46	
			For Schedule 60, Add	*1.71*	
			For Schedule 80, Add	*3.20*	
26 05 33 13-1885		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.16	
			For Schedule 60, Add	*2.05*	
			For Schedule 80, Add	*3.84*	
26 05 33 13-1886		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	40.52	
			For Schedule 60, Add	*2.56*	
			For Schedule 80, Add	*4.71*	
26 05 33 13-1887		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	47.12	
			For Schedule 60, Add	*3.12*	
			For Schedule 80, Add	*5.67*	
26 05 33 13-1888		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	53.90	
			For Schedule 60, Add	*3.74*	
			For Schedule 80, Add	*6.69*	
26 05 33 13-1889		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	61.30	
			For Schedule 60, Add	*4.50*	
			For Schedule 80, Add	*7.93*	
26 05 33 13-1890		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	72.21	
			For Schedule 60, Add	*6.15*	
			For Schedule 80, Add	*10.39*	
26 05 33 13-1891		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	85.66	
			For Schedule 60, Add	*8.43*	
			For Schedule 80, Add	*13.75*	
26 05 33 13-1892		EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	104.56	
			For Schedule 60, Add	*10.99*	
			For Schedule 80, Add	*17.66*	
26 05 33 13-1893		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	123.62	
			For Schedule 60, Add	*13.59*	
			For Schedule 80, Add	*21.62*	
26 05 33 13-1894		EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	162.76	
			For Schedule 60, Add	*21.21*	
			For Schedule 80, Add	*32.62*	
26 05 33 13-1895		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	191.53	
			For Schedule 60, Add	*26.24*	
			For Schedule 80, Add	*39.98*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	28.46	
		For Schedule 60, Add	*1.71*	
		For Schedule 80, Add	*3.20*	
26 05 33 13-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.06	
		For Schedule 60, Add	*2.02*	
		For Schedule 80, Add	*3.81*	
26 05 33 13-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	40.38	
		For Schedule 60, Add	*2.52*	
		For Schedule 80, Add	*4.67*	
26 05 33 13-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	46.71	
		For Schedule 60, Add	*3.02*	
		For Schedule 80, Add	*5.53*	
26 05 33 13-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	52.98	
		For Schedule 60, Add	*3.51*	
		For Schedule 80, Add	*6.37*	
26 05 33 13-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	60.81	
		For Schedule 60, Add	*4.38*	
		For Schedule 80, Add	*7.76*	
26 05 33 13-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	71.29	
		For Schedule 60, Add	*5.92*	
		For Schedule 80, Add	*10.07*	
26 05 33 13-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	84.50	
		For Schedule 60, Add	*8.14*	
		For Schedule 80, Add	*13.34*	
26 05 33 13-1905	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	101.29	
		For Schedule 60, Add	*10.17*	
		For Schedule 80, Add	*16.51*	
26 05 33 13-1906	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	120.81	
		For Schedule 60, Add	*12.89*	
		For Schedule 80, Add	*20.64*	
26 05 33 13-1907	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	159.12	
		For Schedule 60, Add	*20.30*	
		For Schedule 80, Add	*31.34*	
26 05 33 13-1908	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	180.70	
		For Schedule 60, Add	*23.53*	
		For Schedule 80, Add	*36.19*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	15.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 33 13-1911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-1912	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.50*	
26 05 33 13-1914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	25.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.14*	
26 05 33 13-1915	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	28.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 05 33 13-1916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	34.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.77*	
26 05 33 13-1917	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	38.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 05 33 13-1918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	46.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	
26 05 33 13-1919	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	51.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.99*	
26 05 33 13-1920	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	66.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.61*	
26 05 33 13-1921	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	75.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.23*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.29
26 05 33 13-1924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.84
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	23.41
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	30.01
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	33.20
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	37.25
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	41.69
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	47.20
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	55.91
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	61.73
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	77.98
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	87.72

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	15.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1937	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	18.21	
26 05 33 13-1938	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.55	
26 05 33 13-1939	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	23.07	
26 05 33 13-1940	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	25.41	
26 05 33 13-1941	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	28.27	
26 05 33 13-1942	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	33.39	
26 05 33 13-1943	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	38.12	
26 05 33 13-1944	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	45.04	
26 05 33 13-1945	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	50.81	
26 05 33 13-1946	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	63.96	
26 05 33 13-1947	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	72.55	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.95	2.40
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-1.04*	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.40	2.96
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.17*	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.49	3.30
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000, Deduct	*-1.45*	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	19.91	4.44
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	23.37	5.01
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000, Deduct	*-2.08*	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	29.62	5.46
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.65*	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	43.01	8.20
		For >250 To 500, Deduct	*-1.72*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-3.87*	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	55.48	10.25
		For >250 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.98*	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	68.47	10.82
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-6.14*	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	81.31	11.96
		For >250 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-5.24*	
		For >1,000, Deduct	*-7.28*	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	126.84	16.51
		For >250 To 500, Deduct	*-5.26*	
		For >500 To 1,000, Deduct	*-8.43*	
		For >1,000, Deduct	*-11.60*	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	169.19	21.63
		For >250 To 500, Deduct	*-7.09*	
		For >500 To 1,000, Deduct	*-11.32*	
		For >1,000, Deduct	*-15.55*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	12.83	3.42
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.38	4.55
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	19.54	5.69
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	22.03	6.27
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	26.11	7.40
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	33.62	8.54
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	61.44	10.25
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	78.20	14.24
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	96.82	16.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	120.15	22.78
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	305.70	31.32
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	306.83	17.65
26 05 33 13-1975		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
		Note: 90, 45, or 30 degree.		
26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	49.48	14.24
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	57.11	17.65
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	68.28	21.63
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	80.84	25.05
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	94.70	28.47
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	115.34	31.32
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	177.88	39.29
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	265.73	53.51
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	328.94	60.35
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	377.26	78.56
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	786.67	128.10
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,237.54	192.43
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	117.79	21.63
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	132.53	25.05
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	151.30	28.47
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	180.64	31.32
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	251.79	39.29
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	131.19	21.63
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	154.66	25.05
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	167.16	28.47
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	215.23	31.32
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	285.15	39.29
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	364.66	53.51
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	147.20	21.63
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	166.18	25.05
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	187.52	28.47
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	226.71	31.32
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	323.48	39.29
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	409.66	53.51
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	517.41	60.35
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	582.59	78.56

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2010		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*			
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		174.85	21.63
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		193.23	25.05
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		218.23	28.47
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		270.93	31.32
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		392.09	39.29
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		485.91	53.51
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		563.96	60.35
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial		668.05	78.56
26 05 33 13-2019		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*			
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		196.37	21.63
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		218.41	25.05
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		248.46	28.47
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		309.43	31.32
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		429.52	39.29
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		546.90	53.51
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		677.16	60.35
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		746.51	78.56
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial		1,244.68	128.10
26 05 33 13-2029		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*			
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		224.51	21.63
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		248.83	25.05
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		281.59	28.47
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		352.13	31.32
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		491.89	39.29
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		624.60	53.51
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		733.87	60.35
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		847.79	78.56
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		1,315.66	128.10
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial		1,798.42	192.43
26 05 33 13-2040		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*			
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		263.69	21.63
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		275.95	25.05
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		325.94	28.47
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		411.56	31.32
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		575.99	39.29
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial		729.35	53.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	891.56	60.35
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,044.82	78.56
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,547.19	128.10
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,904.70	192.43
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	273.13	21.63
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	321.83	25.05
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	364.29	28.47
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	429.44	31.32
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	597.00	39.29
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	761.57	53.51
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	977.44	60.35
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,089.51	78.56
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,609.39	128.10
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,958.70	192.43
26 05 33 13-2062		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	91.08	14.24
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	99.05	17.65
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	128.74	21.63
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	187.65	25.05
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	222.84	28.47
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	283.72	31.32
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	377.89	39.29
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	491.23	39.29
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	632.59	60.35
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	814.41	78.56
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,484.72	128.10
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,848.03	192.43
26 05 33 13-2075		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	93.19	14.24
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	107.11	17.65
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	133.03	21.63
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	195.53	25.05
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	233.78	28.47
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	307.35	31.32
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	428.45	39.29
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	542.64	39.29
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	725.53	60.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	907.00	78.56
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,654.46	128.10
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,122.11	192.43

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.42	6.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.18	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.72	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.53	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.72	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.85	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.60	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.17	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.13	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.52	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.14	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.01	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.77	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.49	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.47	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.85	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.02	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.31	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.08	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.96	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.88	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.40	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.73	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.28	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.37	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.48	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.39	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.30	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.28	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.95	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.45	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.68	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.54	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	143.94	30.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	168.00	39.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.80	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.73	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.67	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.94	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.63	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.93	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.24	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.28	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.59	30.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	172.42	39.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	254.16	54.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.40	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.34	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.32	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.15	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.09	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.41	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.94	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	

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26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	138.56	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	154.85	30.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	188.04	39.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	277.52	54.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.35	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.26	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.78	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.47	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.05	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	76.64	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.87	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.63	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	178.05	30.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.50	39.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	293.53	54.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.34	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.23	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.21	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.83	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.08	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.26	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	135.49	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	170.66	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	202.40	30.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	252.55	39.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	325.48	54.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.36	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.37	8.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.85	10.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.01	12.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.60	14.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.80	15.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.33	19.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.62*	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	197.68	26.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	217.35	30.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	265.14	39.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.57*	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	330.04	54.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.45*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.40	1.40
		For Work In Restricted Working Space, Add	*1.06*	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.42	1.51
		For Work In Restricted Working Space, Add	*1.14*	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.08	1.62
		For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-2184	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.73	1.73
		For Work In Restricted Working Space, Add	*1.30*	
26 05 33 13-2185	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.60	1.84
		For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2186	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.09	1.94
		For Work In Restricted Working Space, Add	*1.46*	
26 05 33 13-2187	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.98	2.05
		For Work In Restricted Working Space, Add	*1.54*	
26 05 33 13-2188	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.22	2.16
		For Work In Restricted Working Space, Add	*1.62*	
26 05 33 13-2189	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	18.97	2.27
		For Work In Restricted Working Space, Add	*1.70*	
26 05 33 13-2190	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	20.71	2.38
		For Work In Restricted Working Space, Add	*1.79*	
26 05 33 13-2191	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	24.66	2.48
		For Work In Restricted Working Space, Add	*1.87*	
26 05 33 13-2192	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	29.55	2.59
		For Work In Restricted Working Space, Add	*1.95*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	136.00	10.82
		For Work In Restricted Working Space, Add	*8.12*	
		For 24" Radius, Add	*9.52*	
		For 36" Radius, Add	*13.60*	
		For 48" Radius, Add	*17.68*	
26 05 33 13-2195	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	154.44	12.99
		For Work In Restricted Working Space, Add	*9.74*	
		For 24" Radius, Add	*10.77*	
		For 36" Radius, Add	*15.44*	
		For 48" Radius, Add	*20.12*	
26 05 33 13-2196	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	161.09	15.16
		For Work In Restricted Working Space, Add	*11.36*	
		For 24" Radius, Add	*11.14*	
		For 36" Radius, Add	*16.11*	
		For 48" Radius, Add	*21.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2197	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	167.71	17.32
		For Work In Restricted Working Space, Add	*12.99*	
		For 24" Radius, Add	*11.50*	
		For 36" Radius, Add	*16.77*	
		For 48" Radius, Add	*22.05*	
26 05 33 13-2198	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	174.36	19.48
		For Work In Restricted Working Space, Add	*14.61*	
		For 24" Radius, Add	*11.86*	
		For 36" Radius, Add	*17.44*	
		For 48" Radius, Add	*23.01*	
26 05 33 13-2199	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	197.10	21.65
		For Work In Restricted Working Space, Add	*16.23*	
		For 24" Radius, Add	*13.43*	
		For 36" Radius, Add	*19.71*	
		For 48" Radius, Add	*25.99*	
26 05 33 13-2200	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	230.66	23.81
		For Work In Restricted Working Space, Add	*17.86*	
		For 24" Radius, Add	*15.81*	
		For 36" Radius, Add	*23.07*	
		For 48" Radius, Add	*30.32*	
26 05 33 13-2201	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	270.31	25.97
		For Work In Restricted Working Space, Add	*19.48*	
		For 24" Radius, Add	*18.65*	
		For 36" Radius, Add	*27.03*	
		For 48" Radius, Add	*35.41*	
26 05 33 13-2202	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	306.80	30.30
		For Work In Restricted Working Space, Add	*22.73*	
		For 24" Radius, Add	*21.12*	
		For 36" Radius, Add	*30.68*	
		For 48" Radius, Add	*40.24*	
26 05 33 13-2203	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	343.28	38.96
		For Work In Restricted Working Space, Add	*25.97*	
		For 24" Radius, Add	*23.58*	
		For 36" Radius, Add	*34.33*	
		For 48" Radius, Add	*45.07*	
26 05 33 13-2204	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	418.29	38.96
		For Work In Restricted Working Space, Add	*29.22*	
		For 24" Radius, Add	*28.94*	
		For 36" Radius, Add	*41.83*	
		For 48" Radius, Add	*54.72*	
26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	509.33	43.29
		For Work In Restricted Working Space, Add	*32.47*	
		For 24" Radius, Add	*35.49*	
		For 36" Radius, Add	*50.93*	
		For 48" Radius, Add	*66.37*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	60.27	6.06
		For Work In Restricted Working Space, Add	*4.55*	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	67.59	6.92
		For Work In Restricted Working Space, Add	*5.20*	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	70.27	7.79
		For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	72.86	8.65
		For Work In Restricted Working Space, Add	*6.50*	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	76.05	9.53
		For Work In Restricted Working Space, Add	*7.14*	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	88.18	10.39
		For Work In Restricted Working Space, Add	*7.79*	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	104.09	11.69
		For Work In Restricted Working Space, Add	*8.77*	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	122.31	12.99
		For Work In Restricted Working Space, Add	*9.74*	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	138.95	15.16
		For Work In Restricted Working Space, Add	*11.36*	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	155.60	17.32
		For Work In Restricted Working Space, Add	*12.99*	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	189.08	19.48
		For Work In Restricted Working Space, Add	*14.61*	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	229.53	21.65
		For Work In Restricted Working Space, Add	*16.23*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2219			**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** *(26 05 33 13-2179)*		
26 05 33 13-2220		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	40.61	6.06
			For Work In Restricted Working Space, Add	*4.55*	
26 05 33 13-2221		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	45.60	6.92
			For Work In Restricted Working Space, Add	*5.20*	
26 05 33 13-2222		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	48.06	7.79
			For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-2223		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	50.53	8.65
			For Work In Restricted Working Space, Add	*6.50*	
26 05 33 13-2224		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	52.99	9.53
			For Work In Restricted Working Space, Add	*7.14*	
26 05 33 13-2225		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	55.32	10.39
			For Work In Restricted Working Space, Add	*7.79*	
26 05 33 13-2226		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	64.43	11.69
			For Work In Restricted Working Space, Add	*8.77*	
26 05 33 13-2227		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	74.73	12.99
			For Work In Restricted Working Space, Add	*9.74*	
26 05 33 13-2228		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	85.43	15.16
			For Work In Restricted Working Space, Add	*11.36*	
26 05 33 13-2229		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	96.13	17.32
			For Work In Restricted Working Space, Add	*12.99*	
26 05 33 13-2230		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	114.80	19.48
			For Work In Restricted Working Space, Add	*14.61*	
26 05 33 13-2231		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	136.68	21.65
			For Work In Restricted Working Space, Add	*16.23*	
26 05 33 13-2232			**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-2179)*		
26 05 33 13-2233		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	40.29	3.47
			For Work In Restricted Working Space, Add	*2.60*	
26 05 33 13-2234		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	44.91	3.90
			For Work In Restricted Working Space, Add	*2.92*	
26 05 33 13-2235		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	46.37	4.33
			For Work In Restricted Working Space, Add	*3.25*	
26 05 33 13-2236		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	47.67	4.76
			For Work In Restricted Working Space, Add	*3.57*	
26 05 33 13-2237		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	49.57	5.20
			For Work In Restricted Working Space, Add	*3.90*	
26 05 33 13-2238		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	58.72	6.06
			For Work In Restricted Working Space, Add	*4.55*	
26 05 33 13-2239		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	70.64	7.36
			For Work In Restricted Working Space, Add	*5.52*	
26 05 33 13-2240		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	84.33	8.65
			For Work In Restricted Working Space, Add	*6.50*	
26 05 33 13-2241		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	97.56	10.82
			For Work In Restricted Working Space, Add	*8.12*	
26 05 33 13-2242		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	110.80	12.99
			For Work In Restricted Working Space, Add	*9.74*	
26 05 33 13-2243		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	135.76	15.16
			For Work In Restricted Working Space, Add	*11.36*	
26 05 33 13-2244		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	165.70	17.32
			For Work In Restricted Working Space, Add	*12.99*	
26 05 33 13-2245			**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-2179)*		
26 05 33 13-2246		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	88.98	21.65
			For Work In Restricted Working Space, Add	*16.23*	
26 05 33 13-2247		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	103.62	25.97
			For Work In Restricted Working Space, Add	*19.48*	
26 05 33 13-2248		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	114.87	30.30
			For Work In Restricted Working Space, Add	*22.73*	
26 05 33 13-2249		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	125.93	34.63
			For Work In Restricted Working Space, Add	*25.97*	
26 05 33 13-2250		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	132.25	36.79
			For Work In Restricted Working Space, Add	*27.60*	
26 05 33 13-2251		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	145.32	38.96
			For Work In Restricted Working Space, Add	*29.22*	
26 05 33 13-2252		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	160.32	41.13
			For Work In Restricted Working Space, Add	*30.84*	
26 05 33 13-2253		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	177.23	43.29
			For Work In Restricted Working Space, Add	*32.47*	
26 05 33 13-2254		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	191.26	45.46
			For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-2255		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	205.31	47.62
			For Work In Restricted Working Space, Add	*35.72*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2256		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	232.28	49.78
			For Work In Restricted Working Space, Add	*37.34*	
26 05 33 13-2257		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	264.65	51.95
			For Work In Restricted Working Space, Add	*38.96*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	103.14	21.65
			For Work In Restricted Working Space, Add	*16.23*	
26 05 33 13-2260		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	119.49	25.97
			For Work In Restricted Working Space, Add	*19.48*	
26 05 33 13-2261		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	130.83	30.30
			For Work In Restricted Working Space, Add	*22.73*	
26 05 33 13-2262		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	142.06	34.63
			For Work In Restricted Working Space, Add	*25.97*	
26 05 33 13-2263		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	148.51	36.79
			For Work In Restricted Working Space, Add	*27.60*	
26 05 33 13-2264		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	163.89	38.96
			For Work In Restricted Working Space, Add	*29.22*	
26 05 33 13-2265		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	182.60	41.13
			For Work In Restricted Working Space, Add	*30.84*	
26 05 33 13-2266		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	203.97	43.29
			For Work In Restricted Working Space, Add	*32.47*	
26 05 33 13-2267		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	221.36	45.46
			For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-2268		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	238.76	47.62
			For Work In Restricted Working Space, Add	*35.72*	
26 05 33 13-2269		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	274.21	49.78
			For Work In Restricted Working Space, Add	*37.34*	
26 05 33 13-2270		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	317.06	51.95
			For Work In Restricted Working Space, Add	*38.96*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

26 05 33 13-2272		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	131.74	6.06
			For Work In Restricted Working Space, Add	*4.55*	
26 05 33 13-2273		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	146.83	6.92
			For Work In Restricted Working Space, Add	*5.20*	
26 05 33 13-2274		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	152.97	7.79
			For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-2275		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	159.29	8.65
			For Work In Restricted Working Space, Add	*6.50*	
26 05 33 13-2276		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	163.59	9.53
			For Work In Restricted Working Space, Add	*7.14*	
26 05 33 13-2277		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	179.05	10.39
			For Work In Restricted Working Space, Add	*7.79*	
26 05 33 13-2278		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	212.94	11.69
			For Work In Restricted Working Space, Add	*8.77*	
26 05 33 13-2279		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	252.80	12.99
			For Work In Restricted Working Space, Add	*9.74*	
26 05 33 13-2280		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	285.77	15.16
			For Work In Restricted Working Space, Add	*11.36*	
26 05 33 13-2281		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	318.74	17.32
			For Work In Restricted Working Space, Add	*12.99*	
26 05 33 13-2282		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	393.12	19.48
			For Work In Restricted Working Space, Add	*14.61*	
26 05 33 13-2283		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	481.96	21.65
			For Work In Restricted Working Space, Add	*16.23*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	127.76	21.65
			For Work In Restricted Working Space, Add	*16.23*	
26 05 33 13-2286		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	146.79	25.97
			For Work In Restricted Working Space, Add	*19.48*	
26 05 33 13-2287		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	176.87	30.30
			For Work In Restricted Working Space, Add	*22.73*	
26 05 33 13-2288		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	222.89	34.63
			For Work In Restricted Working Space, Add	*25.97*	
26 05 33 13-2289		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	278.87	36.79
			For Work In Restricted Working Space, Add	*27.60*	
26 05 33 13-2290		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	374.36	38.96
			For Work In Restricted Working Space, Add	*29.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	538.63	41.13
		For Work In Restricted Working Space, Add	*30.84*	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	648.63	43.29
		For Work In Restricted Working Space, Add	*32.47*	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	778.25	45.46
		For Work In Restricted Working Space, Add	*34.09*	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	907.88	47.62
		For Work In Restricted Working Space, Add	*35.72*	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,061.46	49.78
		For Work In Restricted Working Space, Add	*37.34*	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,720.60	51.95
		For Work In Restricted Working Space, Add	*38.96*	

26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	11.59
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.43
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	13.76
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	14.79
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	13.90
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.88
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	17.22
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.98
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.01
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.39
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	21.73
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	20.78
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	23.55
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	22.53
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	24.28
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	23.17
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	26.86
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	25.54
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	30.41
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	29.30

26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	20.47
		For Aluminum Conduit Bending, Add	*13.51*
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	25.58
		For Aluminum Conduit Bending, Add	*16.88*
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	31.97
		For Aluminum Conduit Bending, Add	*21.10*
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	44.77
		For Aluminum Conduit Bending, Add	*29.55*
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	57.56
		For Aluminum Conduit Bending, Add	*37.99*
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending	76.75
		For Aluminum Conduit Bending, Add	*50.66*
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending	89.54
		For Aluminum Conduit Bending, Add	*59.10*
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending	102.33
		For Aluminum Conduit Bending, Add	*67.54*
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending	121.52
		For Aluminum Conduit Bending, Add	*80.20*

26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

26 05 33 13-2330	EA	1" Plastic Conduit Field Bending	29.42
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending	31.97
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending	38.38
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending	51.16
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending	63.96
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending	76.75
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending	89.54
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending	102.33
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending	115.12
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending	127.91

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2340				**Cut And Thread Existing In-Place Threaded Conduit** *(26 05 33 13-0058)*		
				Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA			1/2", Cut And Thread Existing In-Place Threaded Conduit	37.45	
				For Work In Restricted Working Space, Add	*11.24*	
26 05 33 13-2342	EA			3/4", Cut And Thread Existing In-Place Threaded Conduit	41.19	
				For Work In Restricted Working Space, Add	*12.36*	
26 05 33 13-2343	EA			1", Cut And Thread Existing In-Place Threaded Conduit	44.94	
				For Work In Restricted Working Space, Add	*13.48*	
26 05 33 13-2344	EA			1-1/4", Cut And Thread Existing In-Place Threaded Conduit	48.68	
				For Work In Restricted Working Space, Add	*14.60*	
26 05 33 13-2345	EA			1-1/2", Cut And Thread Existing In-Place Threaded Conduit	51.18	
				For Work In Restricted Working Space, Add	*15.35*	
26 05 33 13-2346	EA			2", Cut And Thread Existing In-Place Threaded Conduit	53.67	
				For Work In Restricted Working Space, Add	*16.10*	
26 05 33 13-2347	EA			2-1/2", Cut And Thread Existing In-Place Threaded Conduit	56.17	
				For Work In Restricted Working Space, Add	*16.85*	
26 05 33 13-2348	EA			3", Cut And Thread Existing In-Place Threaded Conduit	58.67	
				For Work In Restricted Working Space, Add	*17.60*	
26 05 33 13-2349	EA			3-1/2", Cut And Thread Existing In-Place Threaded Conduit	59.91	
				For Work In Restricted Working Space, Add	*17.97*	
26 05 33 13-2350	EA			4", Cut And Thread Existing In-Place Threaded Conduit	61.17	
				For Work In Restricted Working Space, Add	*18.35*	
26 05 33 13-2351	EA			5", Cut And Thread Existing In-Place Threaded Conduit	63.66	
				For Work In Restricted Working Space, Add	*19.10*	
26 05 33 13-2352	EA			6", Cut And Thread Existing In-Place Threaded Conduit	66.16	
				For Work In Restricted Working Space, Add	*19.85*	
26 05 33 13-2353				**Flexible Conduit** *(26 05 33 13-0058)*		
26 05 33 13-2354				**Flexible Liquid Tight Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
				Note: Steel inner core with PVC cover.		
26 05 33 13-2355				**Flexible Liquid Tight Metallic Conduit** *(26 05 33 13-2354)*		
26 05 33 13-2356	LF			3/8" Flexible Liquid Tight Metallic Conduit	4.75	1.36
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.51*	
				For Work In Restricted Working Space, Add	*1.03*	
26 05 33 13-2357	LF			1/2" Flexible Liquid Tight Metallic Conduit	4.95	1.36
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.51*	
				For Work In Restricted Working Space, Add	*1.03*	
26 05 33 13-2358	LF			3/4" Flexible Liquid Tight Metallic Conduit	6.63	1.82
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
				For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2359	LF			1" Flexible Liquid Tight Metallic Conduit	7.69	1.82
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
				For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2360	LF			1-1/4" Flexible Liquid Tight Metallic Conduit	9.97	2.28
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.85*	
				For Work In Restricted Working Space, Add	*1.71*	
26 05 33 13-2361	LF			1-1/2" Flexible Liquid Tight Metallic Conduit	12.83	2.74
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.02*	
				For Work In Restricted Working Space, Add	*2.05*	
26 05 33 13-2362	LF			2" Flexible Liquid Tight Metallic Conduit	16.88	3.64
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.37*	
				For Work In Restricted Working Space, Add	*2.73*	
26 05 33 13-2363	LF			2-1/2" Flexible Liquid Tight Metallic Conduit	23.08	4.10
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.54*	
				For Work In Restricted Working Space, Add	*3.08*	
26 05 33 13-2364	LF			3" Flexible Liquid Tight Metallic Conduit	34.09	5.01
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.88*	
				For Work In Restricted Working Space, Add	*3.76*	
26 05 33 13-2365	LF			4" Flexible Liquid Tight Metallic Conduit	46.73	6.38
				For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.39*	
				For Work In Restricted Working Space, Add	*4.78*	
26 05 33 13-2366				**Straight Liquid Tight Connector** *(26 05 33 13-2354)*		
26 05 33 13-2367	EA			3/8" Straight Liquid Tight Connector	12.91	3.64
				For Work In Restricted Working Space, Add	*2.73*	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.73*	
26 05 33 13-2368	EA			1/2" Straight Liquid Tight Connector	12.91	3.64
				For Work In Restricted Working Space, Add	*2.73*	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.73*	
26 05 33 13-2369	EA			3/4" Straight Liquid Tight Connector	15.70	4.10
				For Work In Restricted Working Space, Add	*3.08*	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2370	EA			1" Straight Liquid Tight Connector	21.12	4.55
				For Work In Restricted Working Space, Add	*3.42*	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-2371	EA			1-1/4" Straight Liquid Tight Connector	27.23	5.01
				For Work In Restricted Working Space, Add	*3.76*	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	34.65	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	47.91	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	165.62	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	213.84	8.65
		For Work In Restricted Working Space, Add	*6.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	261.43	12.75
		For Work In Restricted Working Space, Add	*9.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	18.87	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	19.70	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	22.29	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	31.63	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	40.03	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	48.69	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	64.62	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	231.80	8.65
		For Work In Restricted Working Space, Add	*6.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	273.94	10.02
		For Work In Restricted Working Space, Add	*7.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	378.64	15.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	18.60	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	18.80	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	22.29	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	33.87	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	38.58	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	43.28	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	

26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit	4.34	1.49
		For Flexible Aluminum Conduit, Add	*0.11*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.55*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.91*	
		For Work In Restricted Working Space, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit	4.50	1.49
		For Flexible Aluminum Conduit, Add	*0.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.56*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.94*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit	5.08	1.99
		For Flexible Aluminum Conduit, Add	*0.17*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.61*	
		For Installation In Metal Stud Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.01*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit	6.28	1.99
		For Flexible Aluminum Conduit, Add	*0.32*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.65*	
		For Installation In Metal Stud Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.09*	
		For Work In Restricted Working Space, Add	*1.31*	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit	7.12	2.50
		For Flexible Aluminum Conduit, Add	*0.41*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Installation In Metal Stud Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.15*	
		For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit	9.20	2.99
		For Flexible Aluminum Conduit, Add	*0.73*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.72*	
		For Installation In Metal Stud Wall, Add	*0.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.20*	
		For Work In Restricted Working Space, Add	*1.44*	
26 05 33 13-2403	LF	2" Flexible Metallic Conduit	10.38	3.99
		For Flexible Aluminum Conduit, Add	*0.89*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.75*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.25*	
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit	12.76	4.49
		For Flexible Aluminum Conduit, Add	*1.08*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.93*	
		For Installation In Metal Stud Wall, Add	*0.62*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.56*	
		For Work In Restricted Working Space, Add	*1.87*	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit	18.82	5.48
		For Flexible Aluminum Conduit, Add	*1.87*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.12*	
		For Installation In Metal Stud Wall, Add	*0.75*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.87*	
		For Work In Restricted Working Space, Add	*2.24*	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit	23.03	5.98
		For Flexible Aluminum Conduit, Add	*2.36*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.31*	
		For Installation In Metal Stud Wall, Add	*0.87*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.18*	
		For Work In Restricted Working Space, Add	*2.62*	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit	26.47	6.98
		For Flexible Aluminum Conduit, Add	*2.72*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.50*	
		For Installation In Metal Stud Wall, Add	*1.00*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.49*	
		For Work In Restricted Working Space, Add	*2.99*	

26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain	7.35	3.99
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain	8.99	4.49
		For Work In Restricted Working Space, Add	*1.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.87*	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain	10.39	5.48
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain	16.36	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain	22.93	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain	30.09	8.48
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	39.34	8.48
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	62.39	10.47
		For Work In Restricted Working Space, Add	*6.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.54*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	81.17	11.46
		For Work In Restricted Working Space, Add	*7.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	245.58	13.46
		For Work In Restricted Working Space, Add	*8.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	306.37	16.46
		For Work In Restricted Working Space, Add	*9.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	9.94	4.49
		For Work In Restricted Working Space, Add	*1.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.87*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	11.64	5.48
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	18.06	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	26.05	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	35.64	7.48
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	49.15	8.48
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	83.36	10.47
		For Work In Restricted Working Space, Add	*6.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.54*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	105.90	11.46
		For Work In Restricted Working Space, Add	*7.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	283.70	13.46
		For Work In Restricted Working Space, Add	*8.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	363.69	16.46
		For Work In Restricted Working Space, Add	*9.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	10.27	4.98
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	13.40	5.48
		For Work In Restricted Working Space, Add	*2.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	17.28	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	24.00	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	36.84	7.48
		For Work In Restricted Working Space, Add	*4.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	56.95	8.73
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	68.50	10.71
		For Work In Restricted Working Space, Add	*6.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.36*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	148.24	11.46
		For Work In Restricted Working Space, Add	*7.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	189.93	13.46
		For Work In Restricted Working Space, Add	*8.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	399.32	16.46
		For Work In Restricted Working Space, Add	*9.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	711.09	18.69
		For Work In Restricted Working Space, Add	*11.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	14.72	5.48
		For Work In Restricted Working Space, Add	*2.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	18.90	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	24.00	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	42.63	7.48
		For Work In Restricted Working Space, Add	*4.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	67.46	8.73
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	85.58	10.71
		For Work In Restricted Working Space, Add	*6.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.36*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	201.65	11.46
		For Work In Restricted Working Space, Add	*7.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	247.80	13.46
		For Work In Restricted Working Space, Add	*8.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.41*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	661.59	16.46
		For Work In Restricted Working Space, Add	*9.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	985.77	18.69
		For Work In Restricted Working Space, Add	*11.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	11.33	4.98
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	15.10	5.48
		For Work In Restricted Working Space, Add	*2.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	19.18	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	12.07	5.98
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	16.31	5.48
		For Work In Restricted Working Space, Add	*2.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	20.89	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	6.25	3.99
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	6.77	4.49
		For Work In Restricted Working Space, Add	*1.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.87*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	8.56	5.48
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	12.15	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	17.57	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	21.51	7.48
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	31.02	8.48
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	6.57	3.99
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.02	4.49
		For Work In Restricted Working Space, Add	*1.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.87*	
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	9.21	5.48
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	13.14	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	18.98	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	23.19	7.48
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	32.51	8.48
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 33 13-2478		**Screw-In Coupling** *(26 05 33 13-2395)*		
26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	7.38	4.49
		For Work In Restricted Working Space, Add	*1.87*	
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	9.58	5.48
		For Work In Restricted Working Space, Add	*2.24*	
26 05 33 13-2481		**Flexible To Electrical Metallic Tubing (EMT) Coupling** *(26 05 33 13-2395)*		
26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	9.53	3.99
		For Work In Restricted Working Space, Add	*1.68*	
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	12.77	4.49
		For Work In Restricted Working Space, Add	*1.87*	
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	16.78	5.48
		For Work In Restricted Working Space, Add	*2.24*	
26 05 33 13-2485		**Die Cast Squeeze Type Straight Connector** *(26 05 33 13-2395)*		
26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	6.45	3.99
		For Work In Restricted Working Space, Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	7.28	4.49
		For Work In Restricted Working Space, Add	*1.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.87*	
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	9.00	5.48
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	13.36	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	17.87	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	24.05	7.48
		For Work In Restricted Working Space, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	30.89	8.48
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 33 13-2493		**Die Cast Squeeze Type 90 Degree Connector** *(26 05 33 13-2395)*		
26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	8.55	4.98
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	10.53	5.48
		For Work In Restricted Working Space, Add	*2.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	12.68	5.98
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	19.63	6.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	27.45	7.48
		For Work In Restricted Working Space, Add	*4.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	42.01	8.73
		For Work In Restricted Working Space, Add	*5.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	50.07	10.71
		For Work In Restricted Working Space, Add	*6.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2501		**Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
26 05 33 13-2502		**Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2501)*		
26 05 33 13-2503	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.34	1.36
		For Work In Restricted Working Space, Add	*1.03*	
26 05 33 13-2504	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	4.42	1.36
		For Work In Restricted Working Space, Add	*1.03*	
26 05 33 13-2505	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	5.93	1.82
		For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2506	LF	1" Flexible Liquid Tight Non-Metallic Conduit	7.34	1.82
		For Work In Restricted Working Space, Add	*1.37*	
26 05 33 13-2507	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.33	2.28
		For Work In Restricted Working Space, Add	*1.71*	
26 05 33 13-2508	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	11.89	2.74
		For Work In Restricted Working Space, Add	*2.05*	
26 05 33 13-2509	LF	2" Flexible Liquid Tight Non-Metallic Conduit	15.28	3.64
		For Work In Restricted Working Space, Add	*2.73*	
26 05 33 13-2510		**Liquid Tight Non-Metallic Straight Connector** *(26 05 33 13-2501)*		
26 05 33 13-2511	EA	3/8" Liquid Tight Non-Metallic Straight Connector	12.51	3.64
		For Work In Restricted Working Space, Add	*2.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.73*	
26 05 33 13-2512	EA	1/2" Liquid Tight Non-Metallic Straight Connector	12.51	3.64
		For Work In Restricted Working Space, Add	*2.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.73*	
26 05 33 13-2513	EA	3/4" Liquid Tight Non-Metallic Straight Connector	15.28	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2514	EA	1" Liquid Tight Non-Metallic Straight Connector	18.95	4.55
		For Work In Restricted Working Space, Add	*3.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 33 13-2515	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	26.09	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2516	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	32.56	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2517	EA	2" Liquid Tight Non-Metallic Straight Connector	50.60	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-2518		**Liquid Tight Non-Metallic 90 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2519	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.05	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2520	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.05	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.17	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	31.31	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	32.37	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	51.00	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	68.46	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2526		**Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.05	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.05	5.01
		For Work In Restricted Working Space, Add	*3.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.76*	
26 05 33 13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	22.17	5.46
		For Work In Restricted Working Space, Add	*4.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.10*	
26 05 33 13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	31.31	6.38
		For Work In Restricted Working Space, Add	*4.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.78*	
26 05 33 13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	32.37	6.83
		For Work In Restricted Working Space, Add	*5.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	51.00	7.29
		For Work In Restricted Working Space, Add	*5.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	68.46	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2534		**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2353)*		
		Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535		**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2534)*		
26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	5.35	1.49
		For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	7.22	1.99
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing	8.61	1.99
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2539		**Terminal Adapter** *(26 05 33 13-2534)*		
26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	12.62	3.99
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	16.04	4.49
		For Work In Restricted Working Space, Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	18.69	4.98
		For Work In Restricted Working Space, Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 05 33 13-2543		**Coupling** *(26 05 33 13-2534)*		
26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	12.27	3.99
		For Work In Restricted Working Space, Add	*2.99*	
26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	14.20	4.49
		For Work In Restricted Working Space, Add	*3.36*	
26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	16.96	4.98
		For Work In Restricted Working Space, Add	*3.74*	
26 05 33 13-2547		**Conduit Accessories** *(26 05 33 13-0058)*		
26 05 33 13-2548		**All-Weather Corrosion Protection Tape For Pipe Or Conduit** *(26 05 33 13-2547)*		
		Note: Priced by the linear feet of pipe or conduit the tape is installed on.		
26 05 33 13-2549	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.88	
26 05 33 13-2550	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.48	
26 05 33 13-2551	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.98	
26 05 33 13-2552	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.63	
26 05 33 13-2553	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.20	
26 05 33 13-2554	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.16	
26 05 33 13-2555	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.21	
26 05 33 13-2556	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.07	
26 05 33 13-2557	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	9.98	
26 05 33 13-2558	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.36	
26 05 33 13-2559		**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-2560		**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2559)*		
		Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2561		**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2560)*		
26 05 33 13-2562	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.21	21.86
		For Mogul LB, Add	*4.43*	
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2563	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.59	25.05
		For Mogul LB, Add	*6.60*	
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2564	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	91.33	29.15
		For Mogul LB, Add	*10.20*	
		For Work In Restricted Working Space, Add	*21.86*	
		For Elevated Installation >10' To 15', Add	*7.29*	
		For Elevated Installation >15' To 20', Add	*14.57*	
		For Elevated Installation >20' To 25', Add	*18.22*	
		For Elevated Installation >25' To 30', Add	*25.50*	
		For Elevated Installation >30' To 35', Add	*29.15*	
		For Elevated Installation >35' To 40', Add	*36.44*	
		For Elevated Installation >40', Add	*40.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.86*	
26 05 33 13-2565	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	110.68	33.25
		For Mogul LB, Add	*16.51*	
		For Work In Restricted Working Space, Add	*24.94*	
		For Elevated Installation >10' To 15', Add	*8.31*	
		For Elevated Installation >15' To 20', Add	*16.62*	
		For Elevated Installation >20' To 25', Add	*20.78*	
		For Elevated Installation >25' To 30', Add	*29.09*	
		For Elevated Installation >30' To 35', Add	*33.25*	
		For Elevated Installation >35' To 40', Add	*41.56*	
		For Elevated Installation >40', Add	*45.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.94*	
26 05 33 13-2566	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	126.65	36.44
		For Mogul LB, Add	*22.12*	
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-2567	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	166.75	43.73
		For Mogul LB, Add	*37.61*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2568	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	280.84	61.48
		For Mogul LB, Add	*87.65*	
		For Work In Restricted Working Space, Add	*46.12*	
		For Elevated Installation >10' To 15', Add	*15.37*	
		For Elevated Installation >15' To 20', Add	*30.74*	
		For Elevated Installation >20' To 25', Add	*38.43*	
		For Elevated Installation >25' To 30', Add	*53.80*	
		For Elevated Installation >30' To 35', Add	*61.49*	
		For Elevated Installation >35' To 40', Add	*76.86*	
		For Elevated Installation >40', Add	*84.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.12*	
26 05 33 13-2569	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	369.09	81.98
		For Mogul LB, Add	*112.85*	
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2570	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	490.93	102.47
		For Mogul LB, Add	*163.25*	
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2571	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	638.17	124.80
		For Mogul LB, Add	*229.04*	
		For Work In Restricted Working Space, Add	*93.59*	
		For Elevated Installation >10' To 15', Add	*31.20*	
		For Elevated Installation >15' To 20', Add	*62.40*	
		For Elevated Installation >20' To 25', Add	*78.00*	
		For Elevated Installation >25' To 30', Add	*109.19*	
		For Elevated Installation >30' To 35', Add	*124.79*	
		For Elevated Installation >35' To 40', Add	*155.99*	
		For Elevated Installation >40', Add	*171.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.59*	

26 05 33 13-2572 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2560)*

26 05 33 13-2573	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.37	21.86
		For Mogul LB, Add	*5.30*	
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 33 13-2574	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.72	25.05
		For Mogul LB, Add	*7.44*	
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2575	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	93.61	29.15
		For Mogul LB, Add	*11.91*	
		For Work In Restricted Working Space, Add	*21.86*	
		For Elevated Installation >10' To 15', Add	*7.29*	
		For Elevated Installation >15' To 20', Add	*14.57*	
		For Elevated Installation >20' To 25', Add	*18.22*	
		For Elevated Installation >25' To 30', Add	*25.50*	
		For Elevated Installation >30' To 35', Add	*29.15*	
		For Elevated Installation >35' To 40', Add	*36.44*	
		For Elevated Installation >40', Add	*40.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.86*	
26 05 33 13-2576	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.46	33.25
		For Mogul LB, Add	*18.60*	
		For Work In Restricted Working Space, Add	*24.94*	
		For Elevated Installation >10' To 15', Add	*8.31*	
		For Elevated Installation >15' To 20', Add	*16.62*	
		For Elevated Installation >20' To 25', Add	*20.78*	
		For Elevated Installation >25' To 30', Add	*29.09*	
		For Elevated Installation >30' To 35', Add	*33.25*	
		For Elevated Installation >35' To 40', Add	*41.56*	
		For Elevated Installation >40', Add	*45.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.94*	
26 05 33 13-2577	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	131.38	36.44
		For Mogul LB, Add	*25.66*	
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2578	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	176.90	43.73
		For Mogul LB, Add	*45.23*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2579	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	275.72	61.48
		For Mogul LB, Add	*83.81*	
		For Work In Restricted Working Space, Add	*46.12*	
		For Elevated Installation >10' To 15', Add	*15.37*	
		For Elevated Installation >15' To 20', Add	*30.74*	
		For Elevated Installation >20' To 25', Add	*38.43*	
		For Elevated Installation >25' To 30', Add	*53.80*	
		For Elevated Installation >30' To 35', Add	*61.49*	
		For Elevated Installation >35' To 40', Add	*76.86*	
		For Elevated Installation >40', Add	*84.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.12*	
26 05 33 13-2580	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	351.87	81.98
		For Mogul LB, Add	*99.93*	
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	
26 05 33 13-2581	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	505.62	102.47
		For Mogul LB, Add	*174.26*	
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2582	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	668.19	124.80
		For Mogul LB, Add	*251.56*	
		For Work In Restricted Working Space, Add	*93.59*	
		For Elevated Installation >10' To 15', Add	*31.20*	
		For Elevated Installation >15' To 20', Add	*62.40*	
		For Elevated Installation >20' To 25', Add	*78.00*	
		For Elevated Installation >25' To 30', Add	*109.19*	
		For Elevated Installation >30' To 35', Add	*124.79*	
		For Elevated Installation >35' To 40', Add	*155.99*	
		For Elevated Installation >40', Add	*171.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.59*	
26 05 33 13-2583		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2560)*		
26 05 33 13-2584	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	75.28	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2585	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	89.17	29.15
		For Work In Restricted Working Space, Add	*21.86*	
		For Elevated Installation >10' To 15', Add	*7.29*	
		For Elevated Installation >15' To 20', Add	*14.57*	
		For Elevated Installation >20' To 25', Add	*18.22*	
		For Elevated Installation >25' To 30', Add	*25.50*	
		For Elevated Installation >30' To 35', Add	*29.15*	
		For Elevated Installation >35' To 40', Add	*36.44*	
		For Elevated Installation >40', Add	*40.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2586	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	102.78	31.88
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-2587	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	126.06	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-2588	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	145.64	40.08
		For Work In Restricted Working Space, Add	*30.06*	
		For Elevated Installation >10' To 15', Add	*10.02*	
		For Elevated Installation >15' To 20', Add	*20.04*	
		For Elevated Installation >20' To 25', Add	*25.05*	
		For Elevated Installation >25' To 30', Add	*35.07*	
		For Elevated Installation >30' To 35', Add	*40.08*	
		For Elevated Installation >35' To 40', Add	*50.10*	
		For Elevated Installation >40', Add	*55.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.06*	
26 05 33 13-2589	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	195.00	46.92
		For Work In Restricted Working Space, Add	*35.18*	
		For Elevated Installation >10' To 15', Add	*11.73*	
		For Elevated Installation >15' To 20', Add	*23.46*	
		For Elevated Installation >20' To 25', Add	*29.32*	
		For Elevated Installation >25' To 30', Add	*41.05*	
		For Elevated Installation >30' To 35', Add	*46.91*	
		For Elevated Installation >35' To 40', Add	*58.64*	
		For Elevated Installation >40', Add	*64.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.18*	
26 05 33 13-2590	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	308.12	68.32
		For Work In Restricted Working Space, Add	*51.24*	
		For Elevated Installation >10' To 15', Add	*17.08*	
		For Elevated Installation >15' To 20', Add	*34.16*	
		For Elevated Installation >20' To 25', Add	*42.70*	
		For Elevated Installation >25' To 30', Add	*59.78*	
		For Elevated Installation >30' To 35', Add	*68.32*	
		For Elevated Installation >35' To 40', Add	*85.40*	
		For Elevated Installation >40', Add	*93.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.24*	
26 05 33 13-2591	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	398.08	88.81
		For Work In Restricted Working Space, Add	*66.61*	
		For Elevated Installation >10' To 15', Add	*22.20*	
		For Elevated Installation >15' To 20', Add	*44.41*	
		For Elevated Installation >20' To 25', Add	*55.51*	
		For Elevated Installation >25' To 30', Add	*77.71*	
		For Elevated Installation >30' To 35', Add	*88.81*	
		For Elevated Installation >35' To 40', Add	*111.02*	
		For Elevated Installation >40', Add	*122.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.61*	
26 05 33 13-2592	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	638.91	109.31
		For Work In Restricted Working Space, Add	*81.98*	
		For Elevated Installation >10' To 15', Add	*27.33*	
		For Elevated Installation >15' To 20', Add	*54.65*	
		For Elevated Installation >20' To 25', Add	*68.32*	
		For Elevated Installation >25' To 30', Add	*95.64*	
		For Elevated Installation >30' To 35', Add	*109.31*	
		For Elevated Installation >35' To 40', Add	*136.64*	
		For Elevated Installation >40', Add	*150.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.98*	
26 05 33 13-2593	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	731.65	131.63
		For Work In Restricted Working Space, Add	*98.72*	
		For Elevated Installation >10' To 15', Add	*32.91*	
		For Elevated Installation >15' To 20', Add	*65.81*	
		For Elevated Installation >20' To 25', Add	*82.27*	
		For Elevated Installation >25' To 30', Add	*115.17*	
		For Elevated Installation >30' To 35', Add	*131.62*	
		For Elevated Installation >35' To 40', Add	*164.53*	
		For Elevated Installation >40', Add	*180.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.72*	

26 05 33 13-2594 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2560)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2595	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.61	21.86
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 33 13-2596	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.92	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2597	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	91.55	28.69
		For Work In Restricted Working Space, Add	*21.52*	
		For Elevated Installation >10' To 15', Add	*7.17*	
		For Elevated Installation >15' To 20', Add	*14.35*	
		For Elevated Installation >20' To 25', Add	*17.94*	
		For Elevated Installation >25' To 30', Add	*25.11*	
		For Elevated Installation >30' To 35', Add	*28.70*	
		For Elevated Installation >35' To 40', Add	*35.87*	
		For Elevated Installation >40', Add	*39.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.52*	
26 05 33 13-2598	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.36	33.25
		For Work In Restricted Working Space, Add	*24.94*	
		For Elevated Installation >10' To 15', Add	*8.31*	
		For Elevated Installation >15' To 20', Add	*16.62*	
		For Elevated Installation >20' To 25', Add	*20.78*	
		For Elevated Installation >25' To 30', Add	*29.09*	
		For Elevated Installation >30' To 35', Add	*33.25*	
		For Elevated Installation >35' To 40', Add	*41.56*	
		For Elevated Installation >40', Add	*45.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.94*	
26 05 33 13-2599	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	125.88	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-2600	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	166.83	43.73
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2601	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	271.40	61.48
		For Work In Restricted Working Space, Add	*46.12*	
		For Elevated Installation >10' To 15', Add	*15.37*	
		For Elevated Installation >15' To 20', Add	*30.74*	
		For Elevated Installation >20' To 25', Add	*38.43*	
		For Elevated Installation >25' To 30', Add	*53.80*	
		For Elevated Installation >30' To 35', Add	*61.49*	
		For Elevated Installation >35' To 40', Add	*76.86*	
		For Elevated Installation >40', Add	*84.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.12*	
26 05 33 13-2602	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	349.11	81.98
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2603	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	496.79	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2604	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	640.93	124.80
		For Work In Restricted Working Space, Add	*93.59*	
		For Elevated Installation >10' To 15', Add	*31.20*	
		For Elevated Installation >15' To 20', Add	*62.40*	
		For Elevated Installation >20' To 25', Add	*78.00*	
		For Elevated Installation >25' To 30', Add	*109.19*	
		For Elevated Installation >30' To 35', Add	*124.79*	
		For Elevated Installation >35' To 40', Add	*155.99*	
		For Elevated Installation >40', Add	*171.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.59*	

26 05 33 13-2605 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2560)*

26 05 33 13-2606	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	87.28	28.69
		For Work In Restricted Working Space, Add	*21.52*	
		For Elevated Installation >10' To 15', Add	*7.17*	
		For Elevated Installation >15' To 20', Add	*14.35*	
		For Elevated Installation >20' To 25', Add	*17.94*	
		For Elevated Installation >25' To 30', Add	*25.11*	
		For Elevated Installation >30' To 35', Add	*28.70*	
		For Elevated Installation >35' To 40', Add	*35.87*	
		For Elevated Installation >40', Add	*39.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.52*	
26 05 33 13-2607	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	100.73	31.88
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-2608	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	123.24	35.07
		For Work In Restricted Working Space, Add	*26.30*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.07*	
		For Elevated Installation >35' To 40', Add	*43.84*	
		For Elevated Installation >40', Add	*48.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.30*	
26 05 33 13-2609	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	142.07	40.08
		For Work In Restricted Working Space, Add	*30.06*	
		For Elevated Installation >10' To 15', Add	*10.02*	
		For Elevated Installation >15' To 20', Add	*20.04*	
		For Elevated Installation >20' To 25', Add	*25.05*	
		For Elevated Installation >25' To 30', Add	*35.07*	
		For Elevated Installation >30' To 35', Add	*40.08*	
		For Elevated Installation >35' To 40', Add	*50.10*	
		For Elevated Installation >40', Add	*55.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.06*	
26 05 33 13-2610	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	182.65	43.73
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2611	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	220.84	53.74
		For Work In Restricted Working Space, Add	*40.31*	
		For Elevated Installation >10' To 15', Add	*13.44*	
		For Elevated Installation >15' To 20', Add	*26.87*	
		For Elevated Installation >20' To 25', Add	*33.59*	
		For Elevated Installation >25' To 30', Add	*47.03*	
		For Elevated Installation >30' To 35', Add	*53.74*	
		For Elevated Installation >35' To 40', Add	*67.18*	
		For Elevated Installation >40', Add	*73.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2612	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	411.56	78.79
		For Work In Restricted Working Space, Add	*59.10*	
		For Elevated Installation >10' To 15', Add	*19.70*	
		For Elevated Installation >15' To 20', Add	*39.40*	
		For Elevated Installation >20' To 25', Add	*49.25*	
		For Elevated Installation >25' To 30', Add	*68.95*	
		For Elevated Installation >30' To 35', Add	*78.80*	
		For Elevated Installation >35' To 40', Add	*98.50*	
		For Elevated Installation >40', Add	*108.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.10*	
26 05 33 13-2613	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	507.55	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2614	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	724.22	126.61
		For Work In Restricted Working Space, Add	*95.65*	
		For Elevated Installation >10' To 15', Add	*31.88*	
		For Elevated Installation >15' To 20', Add	*63.76*	
		For Elevated Installation >20' To 25', Add	*79.71*	
		For Elevated Installation >25' To 30', Add	*111.59*	
		For Elevated Installation >30' To 35', Add	*127.53*	
		For Elevated Installation >35' To 40', Add	*159.41*	
		For Elevated Installation >40', Add	*175.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.65*	
26 05 33 13-2615	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	874.86	152.13
		For Work In Restricted Working Space, Add	*114.09*	
		For Elevated Installation >10' To 15', Add	*38.03*	
		For Elevated Installation >15' To 20', Add	*76.06*	
		For Elevated Installation >20' To 25', Add	*95.08*	
		For Elevated Installation >25' To 30', Add	*133.11*	
		For Elevated Installation >30' To 35', Add	*152.12*	
		For Elevated Installation >35' To 40', Add	*190.15*	
		For Elevated Installation >40', Add	*209.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.09*	

26 05 33 13-2616 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2559)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2617 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2616)*

26 05 33 13-2618	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.46	21.86
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 33 13-2619	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	78.31	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2620	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	96.25	29.15
		For Work In Restricted Working Space, Add	*21.86*	
		For Elevated Installation >10' To 15', Add	*7.29*	
		For Elevated Installation >15' To 20', Add	*14.57*	
		For Elevated Installation >20' To 25', Add	*18.22*	
		For Elevated Installation >25' To 30', Add	*25.50*	
		For Elevated Installation >30' To 35', Add	*29.15*	
		For Elevated Installation >35' To 40', Add	*36.44*	
		For Elevated Installation >40', Add	*40.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.86*	
26 05 33 13-2621	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	125.07	33.25
		For Work In Restricted Working Space, Add	*24.94*	
		For Elevated Installation >10' To 15', Add	*8.31*	
		For Elevated Installation >15' To 20', Add	*16.62*	
		For Elevated Installation >20' To 25', Add	*20.78*	
		For Elevated Installation >25' To 30', Add	*29.09*	
		For Elevated Installation >30' To 35', Add	*33.25*	
		For Elevated Installation >35' To 40', Add	*41.56*	
		For Elevated Installation >40', Add	*45.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2622	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	142.55	36.44
		For Work In Restricted Working Space, Add	*27.33*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.44*	
		For Elevated Installation >35' To 40', Add	*45.55*	
		For Elevated Installation >40', Add	*50.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-2623	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	195.43	43.73
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2624	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	330.00	61.48
		For Work In Restricted Working Space, Add	*46.12*	
		For Elevated Installation >10' To 15', Add	*15.37*	
		For Elevated Installation >15' To 20', Add	*30.74*	
		For Elevated Installation >20' To 25', Add	*38.43*	
		For Elevated Installation >25' To 30', Add	*53.80*	
		For Elevated Installation >30' To 35', Add	*61.49*	
		For Elevated Installation >35' To 40', Add	*76.86*	
		For Elevated Installation >40', Add	*84.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.12*	
26 05 33 13-2625	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	467.93	81.98
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	
26 05 33 13-2626	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	645.51	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2627	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	772.36	124.80
		For Work In Restricted Working Space, Add	*93.60*	
		For Elevated Installation >10' To 15', Add	*31.20*	
		For Elevated Installation >15' To 20', Add	*62.40*	
		For Elevated Installation >20' To 25', Add	*78.00*	
		For Elevated Installation >25' To 30', Add	*109.20*	
		For Elevated Installation >30' To 35', Add	*124.80*	
		For Elevated Installation >35' To 40', Add	*156.00*	
		For Elevated Installation >40', Add	*171.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	

26 05 33 13-2628 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2616)*

26 05 33 13-2629	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	70.42	21.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 33 13-2630	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	79.18	25.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2631	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	100.78	29.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.86*	
26 05 33 13-2632	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	128.10	33.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.94*	
26 05 33 13-2633	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	146.26	36.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.33*	
26 05 33 13-2634	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	187.82	43.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2635	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	287.73	61.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.12*	
26 05 33 13-2636	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	391.93	81.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	
26 05 33 13-2637	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	690.27	102.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2638	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	805.38	124.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2639		Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2616)*		
26 05 33 13-2640	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	83.75	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2641	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	98.72	29.15
		For Work In Restricted Working Space, Add	*22.20*	
		For Elevated Installation >10' To 15', Add	*7.40*	
		For Elevated Installation >15' To 20', Add	*14.80*	
		For Elevated Installation >20' To 25', Add	*18.50*	
		For Elevated Installation >25' To 30', Add	*25.90*	
		For Elevated Installation >30' To 35', Add	*29.60*	
		For Elevated Installation >35' To 40', Add	*37.01*	
		For Elevated Installation >40', Add	*40.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-2642	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	117.08	31.88
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-2643	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	147.86	36.44
		For Work In Restricted Working Space, Add	*26.99*	
		For Elevated Installation >10' To 15', Add	*9.00*	
		For Elevated Installation >15' To 20', Add	*17.99*	
		For Elevated Installation >20' To 25', Add	*22.49*	
		For Elevated Installation >25' To 30', Add	*31.48*	
		For Elevated Installation >30' To 35', Add	*35.98*	
		For Elevated Installation >35' To 40', Add	*44.98*	
		For Elevated Installation >40', Add	*49.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.99*	
26 05 33 13-2644	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	169.79	40.08
		For Work In Restricted Working Space, Add	*30.06*	
		For Elevated Installation >10' To 15', Add	*10.02*	
		For Elevated Installation >15' To 20', Add	*20.04*	
		For Elevated Installation >20' To 25', Add	*25.05*	
		For Elevated Installation >25' To 30', Add	*35.07*	
		For Elevated Installation >30' To 35', Add	*40.08*	
		For Elevated Installation >35' To 40', Add	*50.10*	
		For Elevated Installation >40', Add	*55.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.06*	
26 05 33 13-2645	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	226.30	46.92
		For Work In Restricted Working Space, Add	*35.18*	
		For Elevated Installation >10' To 15', Add	*11.73*	
		For Elevated Installation >15' To 20', Add	*23.46*	
		For Elevated Installation >20' To 25', Add	*29.32*	
		For Elevated Installation >25' To 30', Add	*41.05*	
		For Elevated Installation >30' To 35', Add	*46.91*	
		For Elevated Installation >35' To 40', Add	*58.64*	
		For Elevated Installation >40', Add	*64.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.18*	
26 05 33 13-2646	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	285.17	68.32
		For Work In Restricted Working Space, Add	*51.24*	
		For Elevated Installation >10' To 15', Add	*17.08*	
		For Elevated Installation >15' To 20', Add	*34.16*	
		For Elevated Installation >20' To 25', Add	*42.70*	
		For Elevated Installation >25' To 30', Add	*59.78*	
		For Elevated Installation >30' To 35', Add	*68.32*	
		For Elevated Installation >35' To 40', Add	*85.40*	
		For Elevated Installation >40', Add	*93.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.24*	
26 05 33 13-2647	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	412.09	88.81
		For Work In Restricted Working Space, Add	*66.61*	
		For Elevated Installation >10' To 15', Add	*22.20*	
		For Elevated Installation >15' To 20', Add	*44.41*	
		For Elevated Installation >20' To 25', Add	*55.51*	
		For Elevated Installation >25' To 30', Add	*77.71*	
		For Elevated Installation >30' To 35', Add	*88.81*	
		For Elevated Installation >35' To 40', Add	*111.02*	
		For Elevated Installation >40', Add	*122.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2648	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	728.02	109.31
		For Work In Restricted Working Space, Add	*81.98*	
		For Elevated Installation >10' To 15', Add	*27.33*	
		For Elevated Installation >15' To 20', Add	*54.65*	
		For Elevated Installation >20' To 25', Add	*68.32*	
		For Elevated Installation >25' To 30', Add	*95.64*	
		For Elevated Installation >30' To 35', Add	*109.31*	
		For Elevated Installation >35' To 40', Add	*136.64*	
		For Elevated Installation >40', Add	*150.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.98*	
26 05 33 13-2649	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	841.46	131.63
		For Work In Restricted Working Space, Add	*99.06*	
		For Elevated Installation >10' To 15', Add	*33.02*	
		For Elevated Installation >15' To 20', Add	*66.04*	
		For Elevated Installation >20' To 25', Add	*82.55*	
		For Elevated Installation >25' To 30', Add	*115.57*	
		For Elevated Installation >30' To 35', Add	*132.08*	
		For Elevated Installation >35' To 40', Add	*165.11*	
		For Elevated Installation >40', Add	*181.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.06*	

26 05 33 13-2650 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2616)*

26 05 33 13-2651	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.68	21.86
		For Work In Restricted Working Space, Add	*16.40*	
		For Elevated Installation >10' To 15', Add	*5.47*	
		For Elevated Installation >15' To 20', Add	*10.93*	
		For Elevated Installation >20' To 25', Add	*13.67*	
		For Elevated Installation >25' To 30', Add	*19.13*	
		For Elevated Installation >30' To 35', Add	*21.86*	
		For Elevated Installation >35' To 40', Add	*27.33*	
		For Elevated Installation >40', Add	*30.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.40*	
26 05 33 13-2652	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	82.14	25.05
		For Work In Restricted Working Space, Add	*18.79*	
		For Elevated Installation >10' To 15', Add	*6.26*	
		For Elevated Installation >15' To 20', Add	*12.52*	
		For Elevated Installation >20' To 25', Add	*15.66*	
		For Elevated Installation >25' To 30', Add	*21.92*	
		For Elevated Installation >30' To 35', Add	*25.05*	
		For Elevated Installation >35' To 40', Add	*31.31*	
		For Elevated Installation >40', Add	*34.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.79*	
26 05 33 13-2653	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	96.19	28.69
		For Work In Restricted Working Space, Add	*21.52*	
		For Elevated Installation >10' To 15', Add	*7.17*	
		For Elevated Installation >15' To 20', Add	*14.35*	
		For Elevated Installation >20' To 25', Add	*17.94*	
		For Elevated Installation >25' To 30', Add	*25.11*	
		For Elevated Installation >30' To 35', Add	*28.70*	
		For Elevated Installation >35' To 40', Add	*35.87*	
		For Elevated Installation >40', Add	*39.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.52*	
26 05 33 13-2654	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	130.66	33.25
		For Work In Restricted Working Space, Add	*24.94*	
		For Elevated Installation >10' To 15', Add	*8.31*	
		For Elevated Installation >15' To 20', Add	*16.63*	
		For Elevated Installation >20' To 25', Add	*20.78*	
		For Elevated Installation >25' To 30', Add	*29.10*	
		For Elevated Installation >30' To 35', Add	*33.25*	
		For Elevated Installation >35' To 40', Add	*41.57*	
		For Elevated Installation >40', Add	*45.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.94*	
26 05 33 13-2655	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	153.00	36.44
		For Work In Restricted Working Space, Add	*27.32*	
		For Elevated Installation >10' To 15', Add	*9.11*	
		For Elevated Installation >15' To 20', Add	*18.22*	
		For Elevated Installation >20' To 25', Add	*22.77*	
		For Elevated Installation >25' To 30', Add	*31.88*	
		For Elevated Installation >30' To 35', Add	*36.43*	
		For Elevated Installation >35' To 40', Add	*45.54*	
		For Elevated Installation >40', Add	*50.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.32*	
26 05 33 13-2656	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	198.42	43.73
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2657	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	441.39	115.34
		For Work In Restricted Working Space, Add	*86.47*	
		For Elevated Installation >10' To 15', Add	*28.82*	
		For Elevated Installation >15' To 20', Add	*57.65*	
		For Elevated Installation >20' To 25', Add	*72.06*	
		For Elevated Installation >25' To 30', Add	*100.88*	
		For Elevated Installation >30' To 35', Add	*115.29*	
		For Elevated Installation >35' To 40', Add	*144.12*	
		For Elevated Installation >40', Add	*158.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.47*	
26 05 33 13-2658	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	423.85	81.98
		For Work In Restricted Working Space, Add	*61.49*	
		For Elevated Installation >10' To 15', Add	*20.50*	
		For Elevated Installation >15' To 20', Add	*40.99*	
		For Elevated Installation >20' To 25', Add	*51.24*	
		For Elevated Installation >25' To 30', Add	*71.74*	
		For Elevated Installation >30' To 35', Add	*81.98*	
		For Elevated Installation >35' To 40', Add	*102.48*	
		For Elevated Installation >40', Add	*112.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.49*	
26 05 33 13-2659	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	690.27	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2660	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	805.36	124.80
		For Work In Restricted Working Space, Add	*93.59*	
		For Elevated Installation >10' To 15', Add	*31.20*	
		For Elevated Installation >15' To 20', Add	*62.39*	
		For Elevated Installation >20' To 25', Add	*77.99*	
		For Elevated Installation >25' To 30', Add	*109.19*	
		For Elevated Installation >30' To 35', Add	*124.79*	
		For Elevated Installation >35' To 40', Add	*155.99*	
		For Elevated Installation >40', Add	*171.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.59*	
26 05 33 13-2661		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2616)*		
26 05 33 13-2662	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	95.17	28.69
		For Work In Restricted Working Space, Add	*21.52*	
		For Elevated Installation >10' To 15', Add	*7.17*	
		For Elevated Installation >15' To 20', Add	*14.35*	
		For Elevated Installation >20' To 25', Add	*17.94*	
		For Elevated Installation >25' To 30', Add	*25.11*	
		For Elevated Installation >30' To 35', Add	*28.70*	
		For Elevated Installation >35' To 40', Add	*35.87*	
		For Elevated Installation >40', Add	*39.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.52*	
26 05 33 13-2663	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	104.01	31.88
		For Work In Restricted Working Space, Add	*23.91*	
		For Elevated Installation >10' To 15', Add	*7.97*	
		For Elevated Installation >15' To 20', Add	*15.94*	
		For Elevated Installation >20' To 25', Add	*19.93*	
		For Elevated Installation >25' To 30', Add	*27.90*	
		For Elevated Installation >30' To 35', Add	*31.88*	
		For Elevated Installation >35' To 40', Add	*39.86*	
		For Elevated Installation >40', Add	*43.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.91*	
26 05 33 13-2664	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	121.03	35.07
		For Work In Restricted Working Space, Add	*26.30*	
		For Elevated Installation >10' To 15', Add	*8.77*	
		For Elevated Installation >15' To 20', Add	*17.54*	
		For Elevated Installation >20' To 25', Add	*21.92*	
		For Elevated Installation >25' To 30', Add	*30.69*	
		For Elevated Installation >30' To 35', Add	*35.07*	
		For Elevated Installation >35' To 40', Add	*43.84*	
		For Elevated Installation >40', Add	*48.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.30*	
26 05 33 13-2665	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	144.23	40.08
		For Work In Restricted Working Space, Add	*30.06*	
		For Elevated Installation >10' To 15', Add	*10.02*	
		For Elevated Installation >15' To 20', Add	*20.04*	
		For Elevated Installation >20' To 25', Add	*25.05*	
		For Elevated Installation >25' To 30', Add	*35.07*	
		For Elevated Installation >30' To 35', Add	*40.08*	
		For Elevated Installation >35' To 40', Add	*50.10*	
		For Elevated Installation >40', Add	*55.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2666	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	166.76	43.73
		For Work In Restricted Working Space, Add	*32.79*	
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-2667	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	234.37	53.74
		For Work In Restricted Working Space, Add	*40.31*	
		For Elevated Installation >10' To 15', Add	*13.44*	
		For Elevated Installation >15' To 20', Add	*26.87*	
		For Elevated Installation >20' To 25', Add	*33.59*	
		For Elevated Installation >25' To 30', Add	*47.03*	
		For Elevated Installation >30' To 35', Add	*53.74*	
		For Elevated Installation >35' To 40', Add	*67.18*	
		For Elevated Installation >40', Add	*73.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.31*	
26 05 33 13-2668	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	375.56	78.79
		For Work In Restricted Working Space, Add	*59.10*	
		For Elevated Installation >10' To 15', Add	*19.70*	
		For Elevated Installation >15' To 20', Add	*39.40*	
		For Elevated Installation >20' To 25', Add	*49.25*	
		For Elevated Installation >25' To 30', Add	*68.95*	
		For Elevated Installation >30' To 35', Add	*78.80*	
		For Elevated Installation >35' To 40', Add	*98.50*	
		For Elevated Installation >40', Add	*108.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.10*	
26 05 33 13-2669	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	552.92	102.47
		For Work In Restricted Working Space, Add	*76.86*	
		For Elevated Installation >10' To 15', Add	*25.62*	
		For Elevated Installation >15' To 20', Add	*51.24*	
		For Elevated Installation >20' To 25', Add	*64.05*	
		For Elevated Installation >25' To 30', Add	*89.67*	
		For Elevated Installation >30' To 35', Add	*102.48*	
		For Elevated Installation >35' To 40', Add	*128.10*	
		For Elevated Installation >40', Add	*140.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.86*	
26 05 33 13-2670	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	829.67	126.61
		For Work In Restricted Working Space, Add	*94.96*	
		For Elevated Installation >10' To 15', Add	*31.65*	
		For Elevated Installation >15' To 20', Add	*63.31*	
		For Elevated Installation >20' To 25', Add	*79.14*	
		For Elevated Installation >25' To 30', Add	*110.79*	
		For Elevated Installation >30' To 35', Add	*126.62*	
		For Elevated Installation >35' To 40', Add	*158.27*	
		For Elevated Installation >40', Add	*174.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.96*	
26 05 33 13-2671	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	925.12	152.13
		For Work In Restricted Working Space, Add	*114.09*	
		For Elevated Installation >10' To 15', Add	*38.03*	
		For Elevated Installation >15' To 20', Add	*76.06*	
		For Elevated Installation >20' To 25', Add	*95.08*	
		For Elevated Installation >25' To 30', Add	*133.11*	
		For Elevated Installation >30' To 35', Add	*152.12*	
		For Elevated Installation >35' To 40', Add	*190.15*	
		For Elevated Installation >40', Add	*209.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.09*	

26 05 33 13-2672 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2559)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2673 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2672)*

26 05 33 13-2674	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.74	8.65
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2675	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	41.82	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2676	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.86	14.11
		For Work In Restricted Working Space, Add	*10.59*	
		For Elevated Installation >10' To 15', Add	*3.53*	
		For Elevated Installation >15' To 20', Add	*7.06*	
		For Elevated Installation >20' To 25', Add	*8.83*	
		For Elevated Installation >25' To 30', Add	*12.36*	
		For Elevated Installation >30' To 35', Add	*14.12*	
		For Elevated Installation >35' To 40', Add	*17.65*	
		For Elevated Installation >40', Add	*19.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	
26 05 33 13-2677	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.93	17.30
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	
26 05 33 13-2678	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	97.80	20.04
		For Work In Restricted Working Space, Add	*15.03*	
		For Elevated Installation >10' To 15', Add	*5.01*	
		For Elevated Installation >15' To 20', Add	*10.02*	
		For Elevated Installation >20' To 25', Add	*12.53*	
		For Elevated Installation >25' To 30', Add	*17.54*	
		For Elevated Installation >30' To 35', Add	*20.04*	
		For Elevated Installation >35' To 40', Add	*25.05*	
		For Elevated Installation >40', Add	*27.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.03*	
26 05 33 13-2679	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	130.34	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	

26 05 33 13-2680 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2672)*

26 05 33 13-2681	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.05	8.65
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15', Add	*2.16*	
		For Elevated Installation >15' To 20', Add	*4.33*	
		For Elevated Installation >20' To 25', Add	*5.41*	
		For Elevated Installation >25' To 30', Add	*7.57*	
		For Elevated Installation >30' To 35', Add	*8.65*	
		For Elevated Installation >35' To 40', Add	*10.82*	
		For Elevated Installation >40', Add	*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-2682	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	43.00	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2683	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.78	14.11
		For Work In Restricted Working Space, Add	*10.59*	
		For Elevated Installation >10' To 15', Add	*3.53*	
		For Elevated Installation >15' To 20', Add	*7.06*	
		For Elevated Installation >20' To 25', Add	*8.83*	
		For Elevated Installation >25' To 30', Add	*12.36*	
		For Elevated Installation >30' To 35', Add	*14.12*	
		For Elevated Installation >35' To 40', Add	*17.65*	
		For Elevated Installation >40', Add	*19.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	
26 05 33 13-2684	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.59	17.30
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2685	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	91.02	20.04
		For Work In Restricted Working Space, Add	*15.03*	
		For Elevated Installation >10' To 15', Add	*5.01*	
		For Elevated Installation >15' To 20', Add	*10.02*	
		For Elevated Installation >20' To 25', Add	*12.53*	
		For Elevated Installation >25' To 30', Add	*17.54*	
		For Elevated Installation >30' To 35', Add	*20.04*	
		For Elevated Installation >35' To 40', Add	*25.05*	
		For Elevated Installation >40', Add	*27.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.03*	
26 05 33 13-2686	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	129.75	22.78
		For Work In Restricted Working Space, Add	*17.08*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.77*	
		For Elevated Installation >35' To 40', Add	*28.47*	
		For Elevated Installation >40', Add	*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.08*	

26 05 33 13-2687 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2672)*

26 05 33 13-2688	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	42.46	11.39
		For Work In Restricted Working Space, Add	*8.54*	
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.12*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.39*	
		For Elevated Installation >35' To 40', Add	*14.24*	
		For Elevated Installation >40', Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-2689	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	55.46	14.11
		For Work In Restricted Working Space, Add	*10.59*	
		For Elevated Installation >10' To 15', Add	*3.53*	
		For Elevated Installation >15' To 20', Add	*7.06*	
		For Elevated Installation >20' To 25', Add	*8.83*	
		For Elevated Installation >25' To 30', Add	*12.36*	
		For Elevated Installation >30' To 35', Add	*14.12*	
		For Elevated Installation >35' To 40', Add	*17.65*	
		For Elevated Installation >40', Add	*19.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	
26 05 33 13-2690	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	66.83	17.30
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15', Add	*4.33*	
		For Elevated Installation >15' To 20', Add	*8.65*	
		For Elevated Installation >20' To 25', Add	*10.82*	
		For Elevated Installation >25' To 30', Add	*15.14*	
		For Elevated Installation >30' To 35', Add	*17.31*	
		For Elevated Installation >35' To 40', Add	*21.64*	
		For Elevated Installation >40', Add	*23.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	
26 05 33 13-2691	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	93.06	20.04
		For Work In Restricted Working Space, Add	*15.71*	
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.48*	
		For Elevated Installation >20' To 25', Add	*13.10*	
		For Elevated Installation >25' To 30', Add	*18.33*	
		For Elevated Installation >30' To 35', Add	*20.95*	
		For Elevated Installation >35' To 40', Add	*26.19*	
		For Elevated Installation >40', Add	*28.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.71*	
26 05 33 13-2692	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	119.79	22.78
		For Work In Restricted Working Space, Add	*18.44*	
		For Elevated Installation >10' To 15', Add	*6.15*	
		For Elevated Installation >15' To 20', Add	*12.30*	
		For Elevated Installation >20' To 25', Add	*15.37*	
		For Elevated Installation >25' To 30', Add	*21.52*	
		For Elevated Installation >30' To 35', Add	*24.59*	
		For Elevated Installation >35' To 40', Add	*30.74*	
		For Elevated Installation >40', Add	*33.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.44*	
26 05 33 13-2693	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	162.22	25.50
		For Work In Restricted Working Space, Add	*21.18*	
		For Elevated Installation >10' To 15', Add	*7.06*	
		For Elevated Installation >15' To 20', Add	*14.12*	
		For Elevated Installation >20' To 25', Add	*17.65*	
		For Elevated Installation >25' To 30', Add	*24.71*	
		For Elevated Installation >30' To 35', Add	*28.24*	
		For Elevated Installation >35' To 40', Add	*35.30*	
		For Elevated Installation >40', Add	*38.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.18*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2694		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2672)*			
26 05 33 13-2695	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		34.04	8.65
		For Work In Restricted Working Space, Add		*6.49*	
		For Elevated Installation >10' To 15', Add		*2.16*	
		For Elevated Installation >15' To 20', Add		*4.33*	
		For Elevated Installation >20' To 25', Add		*5.41*	
		For Elevated Installation >25' To 30', Add		*7.57*	
		For Elevated Installation >30' To 35', Add		*8.65*	
		For Elevated Installation >35' To 40', Add		*10.82*	
		For Elevated Installation >40', Add		*11.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.49*	
26 05 33 13-2696	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		45.60	11.39
		For Work In Restricted Working Space, Add		*8.54*	
		For Elevated Installation >10' To 15', Add		*2.85*	
		For Elevated Installation >15' To 20', Add		*5.69*	
		For Elevated Installation >20' To 25', Add		*7.12*	
		For Elevated Installation >25' To 30', Add		*9.96*	
		For Elevated Installation >30' To 35', Add		*11.39*	
		For Elevated Installation >35' To 40', Add		*14.24*	
		For Elevated Installation >40', Add		*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.54*	
26 05 33 13-2697	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		58.34	14.11
		For Work In Restricted Working Space, Add		*10.59*	
		For Elevated Installation >10' To 15', Add		*3.53*	
		For Elevated Installation >15' To 20', Add		*7.06*	
		For Elevated Installation >20' To 25', Add		*8.83*	
		For Elevated Installation >25' To 30', Add		*12.36*	
		For Elevated Installation >30' To 35', Add		*14.12*	
		For Elevated Installation >35' To 40', Add		*17.65*	
		For Elevated Installation >40', Add		*19.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.59*	
26 05 33 13-2698	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		75.70	17.30
		For Work In Restricted Working Space, Add		*12.98*	
		For Elevated Installation >10' To 15', Add		*4.33*	
		For Elevated Installation >15' To 20', Add		*8.65*	
		For Elevated Installation >20' To 25', Add		*10.82*	
		For Elevated Installation >25' To 30', Add		*15.14*	
		For Elevated Installation >30' To 35', Add		*17.31*	
		For Elevated Installation >35' To 40', Add		*21.64*	
		For Elevated Installation >40', Add		*23.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.98*	
26 05 33 13-2699	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		92.23	20.04
		For Work In Restricted Working Space, Add		*15.03*	
		For Elevated Installation >10' To 15', Add		*5.01*	
		For Elevated Installation >15' To 20', Add		*10.02*	
		For Elevated Installation >20' To 25', Add		*12.53*	
		For Elevated Installation >25' To 30', Add		*17.54*	
		For Elevated Installation >30' To 35', Add		*20.04*	
		For Elevated Installation >35' To 40', Add		*25.05*	
		For Elevated Installation >40', Add		*27.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*15.03*	
26 05 33 13-2700	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		141.07	22.78
		For Work In Restricted Working Space, Add		*17.08*	
		For Elevated Installation >10' To 15', Add		*5.69*	
		For Elevated Installation >15' To 20', Add		*11.39*	
		For Elevated Installation >20' To 25', Add		*14.23*	
		For Elevated Installation >25' To 30', Add		*19.93*	
		For Elevated Installation >30' To 35', Add		*22.77*	
		For Elevated Installation >35' To 40', Add		*28.47*	
		For Elevated Installation >40', Add		*31.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*17.08*	
26 05 33 13-2701		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2559)*			
26 05 33 13-2702	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)		163.55	24.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*18.72*	
26 05 33 13-2703	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)		612.72	46.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*34.60*	
26 05 33 13-2704	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)		1,178.47	93.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*70.20*	
26 05 33 13-2705		Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2559)*			
26 05 33 13-2706		Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2705)*			
26 05 33 13-2707	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover		12.01	4.44
26 05 33 13-2708	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover		14.74	5.18
26 05 33 13-2709	EA	1" Replacement Stamped Aluminum Conduit Body Cover		18.87	6.66
26 05 33 13-2710	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover		22.96	8.14
26 05 33 13-2711	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover		28.30	9.62
26 05 33 13-2712	EA	2" Replacement Stamped Aluminum Conduit Body Cover		33.60	11.10
26 05 33 13-2713	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover		44.88	12.58
26 05 33 13-2714	EA	3" Replacement Stamped Aluminum Conduit Body Cover		57.65	17.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2715	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	62.56	19.98
26 05 33 13-2716	EA	4" Replacement Stamped Aluminum Conduit Body Cover	78.83	25.16

26 05 33 13-2717 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2705)*

26 05 33 13-2718	EA	1/2" Replacement Cast Steel Conduit Body Cover	14.14	4.44
26 05 33 13-2719	EA	3/4" Replacement Cast Steel Conduit Body Cover	16.60	5.18
26 05 33 13-2720	EA	1" Replacement Cast Steel Conduit Body Cover	23.45	6.66
26 05 33 13-2721	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	29.16	8.14
26 05 33 13-2722	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	35.52	9.62
26 05 33 13-2723	EA	2" Replacement Cast Steel Conduit Body Cover	41.86	11.10
26 05 33 13-2724	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	48.16	12.58
26 05 33 13-2725	EA	3" Replacement Cast Steel Conduit Body Cover	65.40	17.76
26 05 33 13-2726	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	74.76	19.98
26 05 33 13-2727	EA	4" Replacement Cast Steel Conduit Body Cover	94.27	25.16

26 05 33 13-2728 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2705)*

26 05 33 13-2729	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	11.05	4.44
26 05 33 13-2730	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	12.61	5.18
26 05 33 13-2731	EA	1" Replacement Velbuna Composition Conduit Body Gasket	16.49	6.66
26 05 33 13-2732	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	21.52	8.14
26 05 33 13-2733	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	24.49	9.62
26 05 33 13-2734	EA	2" Replacement Velbuna Composition Conduit Body Gasket	29.20	11.10
26 05 33 13-2735	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	38.86	12.58
26 05 33 13-2736	EA	3" Replacement Velbuna Composition Conduit Body Gasket	50.14	17.76
26 05 33 13-2737	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	55.44	19.98
26 05 33 13-2738	EA	4" Replacement Velbuna Composition Conduit Body Gasket	65.69	25.16

26 05 33 13-2739 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2705)*

26 05 33 13-2740	EA	1/2" Replacement Neoprene Conduit Body Gasket	12.53	4.44
26 05 33 13-2741	EA	3/4" Replacement Neoprene Conduit Body Gasket	14.02	5.18
26 05 33 13-2742	EA	1" Replacement Neoprene Conduit Body Gasket	18.34	6.66
26 05 33 13-2743	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	22.47	8.14
26 05 33 13-2744	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	25.44	9.62
26 05 33 13-2745	EA	2" Replacement Neoprene Conduit Body Gasket	29.30	11.10
26 05 33 13-2746	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	39.09	12.58
26 05 33 13-2747	EA	3" Replacement Neoprene Conduit Body Gasket	50.37	17.76
26 05 33 13-2748	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	57.02	19.98
26 05 33 13-2749	EA	4" Replacement Neoprene Conduit Body Gasket	67.27	25.16

26 05 33 13-2750 Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2751	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	18.85	
		For Work In Restricted Working Space, Add	*5.66*	
26 05 33 13-2752	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	21.22	
		For Work In Restricted Working Space, Add	*6.37*	
26 05 33 13-2753	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	24.96	
		For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-2754	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	27.71	
		For Work In Restricted Working Space, Add	*8.31*	
26 05 33 13-2755	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	31.21	
		For Work In Restricted Working Space, Add	*9.36*	
26 05 33 13-2756	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	36.95	
		For Work In Restricted Working Space, Add	*11.09*	
26 05 33 13-2757	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	43.69	
		For Work In Restricted Working Space, Add	*13.11*	
26 05 33 13-2758	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	49.93	
		For Work In Restricted Working Space, Add	*14.98*	
26 05 33 13-2759	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	56.17	
		For Work In Restricted Working Space, Add	*16.85*	
26 05 33 13-2760	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	62.41	
		For Work In Restricted Working Space, Add	*18.72*	

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	40.46	18.69
		For Stud Bracket, Add	*0.75*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	41.85	18.69
		For Stud Bracket, Add	*1.35*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	46.63	18.69
		For Stud Bracket, Add	*1.47*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	31.74	12.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	26.90	12.47
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	13.93	6.23
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	14.15	6.23
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.31	6.23
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	14.83	6.23
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.98	6.23
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	16.64	6.23
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	14.56	6.23
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	14.72	6.23
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	14.92	6.23
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	16.61	6.23
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	16.96	6.23
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	19.11	6.23
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	15.38	6.23
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	16.75	6.23
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	14.53	6.23
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	14.66	6.23
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	14.50	6.23
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	14.87	6.23
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.17	6.23
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.97	6.23
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.12	6.23
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	18.97	6.23
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.12	6.23
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	16.01	6.23
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.97	6.23
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.97	6.23
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	13.45	6.23
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	45.61	18.69
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	42.46	18.69
		For Stud Bracket, Add	*0.71*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	58.28	18.69
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	33.05	12.47
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	33.83	12.47
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.08	6.23
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.12	6.23
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.46	6.23
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.92	6.23
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.80	6.23
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	23.39	6.23
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.15	6.23
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.44	6.23
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.46	6.23
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.44	6.23
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.85	6.23
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	25.64	6.23
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	17.89	6.23
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	18.03	6.23
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	21.74	6.23
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	22.78	6.23
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.43	6.23
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	20.30	6.23
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	24.09	6.23
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.77	6.23
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.77	6.23
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.77	6.23
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	14.30	6.23
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	20.13	9.36
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	14.67	6.24
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	23.49	9.36
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	25.21	9.36
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	33.67	15.57
		For Stud Bracket, Add	*1.83*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	34.89	15.57
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	13.37	6.23
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	55.36	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	58.76	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	61.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	64.14	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	69.98	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	76.04	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	80.77	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	15.05	6.23
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	50.93	15.57
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	55.93	16.83
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	67.21	18.69
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	87.63	20.56
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	129.77	22.43
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	69.74	15.57
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	75.98	16.83
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	101.07	18.69
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	129.73	20.56
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	213.01	22.43
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	22.26	6.23
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	22.57	6.23
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	26.20	6.23
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	32.43	6.23
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	46.11	6.23
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	19.14	6.23
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	22.54	6.23
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	27.04	6.23
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	32.78	6.23
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	47.07	6.23
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	36.02	15.57
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	36.54	15.57
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	39.26	15.57
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	45.36	15.57
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	45.89	15.57
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	54.16	15.57
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	33.54	15.57
		For Stud Bracket, Add	*2.94*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	34.10	15.57
		For Stud Bracket, Add	*1.27*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	35.35	15.57
		For Stud Bracket, Add	*1.72*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	22.10	9.35
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	21.54	9.35
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.46	3.12
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.57	3.12
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.04	3.12
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.07	3.12
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.15	3.12
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.07	3.12
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	50.24	21.81
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	56.09	23.06
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	64.17	24.92
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	73.03	27.42
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*		
		Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	106.83	37.39
		Note: One hub.		
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	115.10	43.62
		Note: One hub.		
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	135.55	52.96
		Note: One hub.		
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	133.53	49.85
		Note: Two hub.		
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	170.67	59.20
		Note: Two hub.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	132.98	49.85
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	159.91	59.20
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	136.45	49.85
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	159.96	59.20
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	132.98	49.85
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	155.69	59.20
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	158.48	62.31
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	187.56	74.78
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	165.11	62.31
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	212.87	74.78
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	169.45	62.31
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	202.46	74.78
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	157.91	62.31
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	205.39	74.78
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	201.26	74.78
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	242.81	90.35
26 05 33 16-0151		Deep, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	111.72	37.39
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	128.66	43.62
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	151.20	52.96
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	142.47	49.85
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	164.51	59.20
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	197.74	71.66
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	176.69	59.20
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	227.30	74.78
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	128.43	40.51
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	142.34	46.73
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	165.38	56.08
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	155.71	52.96
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	176.91	62.31
26 05 33 16-0166		Deep, Two Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	143.10	40.51
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	156.14	46.73
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	177.80	52.96
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	200.24	62.31
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0263 for box covers.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	94.36	31.16
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	108.11	37.39
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	120.27	46.73
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	88.67	31.16
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	112.13	37.39
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	119.84	43.62
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	144.00	52.96
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	180.67	65.43
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	129.75	43.62
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	139.18	52.96
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	124.12	43.62
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	142.54	52.96
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	120.48	43.62
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	142.54	52.96
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	112.08	43.62
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	151.47	52.96
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	142.79	56.08
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	173.51	68.55
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	151.50	56.08
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	203.67	68.55
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	150.77	56.08
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	184.99	68.55
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	187.57	68.55
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	183.85	68.55
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	224.43	84.12
26 05 33 16-0198		**Deep, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	104.46	31.16
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	125.15	37.39
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	143.70	46.73
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	134.37	37.39
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	132.90	43.62
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	160.03	52.96
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	179.16	65.43
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	162.17	52.96
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	198.45	68.55
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	124.84	34.27
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	142.99	40.51
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	153.73	49.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	156.14	46.73
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	159.47	56.08
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	196.98	68.55
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	124.73	34.27
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	144.36	40.51
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	159.29	46.73
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	180.59	56.08
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	159.29	46.73
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	180.59	56.08
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	167.21	49.85
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	187.69	59.20
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	190.28	43.62
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	212.22	52.96
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	197.01	49.85
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	244.08	56.08
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	223.46	62.31
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	218.34	56.08
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	266.12	62.31
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	63.61	26.18
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	72.70	30.54
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	82.81	37.08
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	81.42	34.90
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	95.66	41.44
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	116.02	50.16
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	81.71	34.90
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	94.86	41.44
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	113.30	50.16
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	103.19	43.62
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	117.48	52.34
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	138.35	63.25
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	64.49	26.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	62.95	26.18
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	74.78	30.54
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	83.67	37.08
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	83.14	34.90
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	93.40	41.44
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	111.62	50.16
26 05 33 16-0256		Shallow, Two Gang Non-Metallic (PVC) Boxes *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	68.43	28.35
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	78.39	32.71
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	87.34	39.25
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	83.86	37.08
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	103.77	43.62
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	122.76	52.34
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	85.90	37.08
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	109.42	43.62
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	118.22	52.34
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	105.01	45.80
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	138.34	54.53
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	142.58	65.43
26 05 33 16-0269		Poke Thru Units *(26 05 33 16)*		
26 05 33 16-0270		Surface Poke Thru Units *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	509.35	46.73
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	325.60	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	46.71	12.47
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	54.81	6.23
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	575.52	49.85
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	305.23	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	79.57	18.69
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	54.81	6.23
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	158.65	12.47
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	456.19	43.62
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	38.45	6.23
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	454.12	43.62
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	53.02	6.23
26 05 33 16-0284		Recessed Poke Thru Units *(26 05 33 16-0269)* Note: Excludes concrete drilling.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0285		Evolution 6AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	808.79	49.85
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	808.89	49.85
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	771.38	49.85
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	771.38	49.85
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	808.79	49.85
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	808.79	49.85
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	739.72	49.85
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	467.22	46.73
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	500.31	46.73
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	503.58	46.73
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	145.34	24.92
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	324.27	12.47
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	324.27	12.47
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	270.03	12.47
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	39.36	3.12
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	20.34	6.23
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	23.28	6.23
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	20.25	6.23
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	20.31	6.23
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	20.18	6.23
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	23.59	6.23
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	23.35	6.23

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26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	23.88	6.23
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	19.90	6.23
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	19.91	6.23
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	19.66	6.23
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	19.66	6.23
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	46.09	9.35
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	18.11	6.23
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	18.53	6.23
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	140.94	11.21
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	23.08	6.23
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	23.99	6.23
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	24.64	6.23
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	38.47	12.47
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	44.37	15.57
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	48.58	15.57
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	37.05	12.47
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	23.84	6.23
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	23.84	6.23
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	25.05	6.23
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	25.87	6.23
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,057.60	49.85
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,007.12	49.85
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,069.02	49.85
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	997.62	49.85
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	988.61	49.85
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	600.78	46.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	671.89	46.73
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	173.09	24.92
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	350.46	12.47
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	350.46	12.47
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	60.94	3.12
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	20.97	6.23
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.08	6.23
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.21	6.23
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.36	6.23
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	29.22	6.23
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	29.17	6.23
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	20.38	6.23
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	20.62	6.23
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.38	6.23
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.38	6.23
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	28.78	6.23
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	24.22	6.23
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	27.71	6.23
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	38.47	12.47

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	27.49	5.69
		For Combination Hinged Screw Cover, Add	*0.81*	
		For Concrete Or Masonry Surface, Add	*0.57*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	22.92	8.54
		For Combination Hinged Screw Cover, Add	*0.29*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	27.13	10.65
		For Combination Hinged Screw Cover, Add	*0.29*	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	56.97	19.93
		For Combination Hinged Screw Cover, Add	*0.86*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	91.08	19.93
		For Combination Hinged Screw Cover, Add	*2.56*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	134.85	28.35
		For Combination Hinged Screw Cover, Add	*3.91*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	151.35	31.32
		For Combination Hinged Screw Cover, Add	*4.44*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	33.68	7.18
		For Combination Hinged Screw Cover, Add	*0.97*	
		For Concrete Or Masonry Surface, Add	*0.71*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	60.14	7.18
		For Combination Hinged Screw Cover, Add	*2.29*	
		For Concrete Or Masonry Surface, Add	*0.71*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	18.61	6.27
		For Combination Hinged Screw Cover, Add	*0.30*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	30.00	11.96
		For Combination Hinged Screw Cover, Add	*0.30*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	67.34	24.37
		For Combination Hinged Screw Cover, Add	*0.93*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	104.84	24.37
		For Combination Hinged Screw Cover, Add	*2.80*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	148.30	31.66
		For Combination Hinged Screw Cover, Add	*4.25*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	171.34	37.00
		For Combination Hinged Screw Cover, Add	*4.87*	
26 05 33 23-0020		**6" x 6", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	50.21	8.54
		For Combination Hinged Screw Cover, Add	*1.66*	
		For Concrete Or Masonry Surface, Add	*0.86*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	96.61	8.54
		For Combination Hinged Screw Cover, Add	*3.98*	
		For Concrete Or Masonry Surface, Add	*0.86*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	23.47	6.83
		For Combination Hinged Screw Cover, Add	*0.49*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	38.27	14.24
		For Combination Hinged Screw Cover, Add	*0.49*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	94.70	28.35
		For Combination Hinged Screw Cover, Add	*1.91*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	134.30	28.35
		For Combination Hinged Screw Cover, Add	*3.89*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	210.37	35.41
		For Combination Hinged Screw Cover, Add	*6.98*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	228.21	40.99
		For Combination Hinged Screw Cover, Add	*7.31*	
26 05 33 23-0029		**8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	80.69	9.33
		For Combination Hinged Screw Cover, Add	*3.10*	
		For Concrete Or Masonry Surface, Add	*0.93*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	146.76	9.33
		For Combination Hinged Screw Cover, Add	*6.41*	
		For Concrete Or Masonry Surface, Add	*0.93*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	25.84	7.40
		For Combination Hinged Screw Cover, Add	*0.55*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	41.78	15.37
		For Combination Hinged Screw Cover, Add	*0.55*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	105.64	31.20
		For Combination Hinged Screw Cover, Add	*2.16*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	169.96	31.20
		For Combination Hinged Screw Cover, Add	*5.38*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	252.70	38.49
		For Combination Hinged Screw Cover, Add	*8.79*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	352.26	46.69
		For Combination Hinged Screw Cover, Add	*12.94*	
26 05 33 23-0038		**10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	116.95	10.82
		For Combination Hinged Screw Cover, Add	*4.76*	
		For Concrete Or Masonry Surface, Add	*1.08*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	206.36	10.82
		For Combination Hinged Screw Cover, Add	*9.23*	
		For Concrete Or Masonry Surface, Add	*1.08*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	36.03	8.54
		For Combination Hinged Screw Cover, Add	*0.95*	
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	53.11	17.08
		For Combination Hinged Screw Cover, Add	*0.95*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	140.34	33.93
		For Combination Hinged Screw Cover, Add	*3.62*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	267.93	33.93
		For Combination Hinged Screw Cover, Add	*10.00*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	404.58	42.82
		For Combination Hinged Screw Cover, Add	*15.95*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	576.20	48.39
		For Combination Hinged Screw Cover, Add	*23.97*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0047			12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*		
26 05 33 23-0048		LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	137.36	13.09
			For Combination Hinged Screw Cover, Add	*5.56*	
			For Concrete Or Masonry Surface, Add	*1.31*	
26 05 33 23-0049		LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	227.20	13.09
			For Combination Hinged Screw Cover, Add	*10.05*	
			For Concrete Or Masonry Surface, Add	*1.31*	
26 05 33 23-0050		EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	47.17	9.11
			For Combination Hinged Screw Cover, Add	*1.45*	
26 05 33 23-0051		EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	65.40	18.21
			For Combination Hinged Screw Cover, Add	*1.45*	
26 05 33 23-0052		EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	183.50	37.00
			For Combination Hinged Screw Cover, Add	*5.47*	
26 05 33 23-0053		EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	352.47	37.00
			For Combination Hinged Screw Cover, Add	*13.92*	
26 05 33 23-0054		EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	454.40	45.54
			For Combination Hinged Screw Cover, Add	*18.17*	
26 05 33 23-0055		EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	738.58	51.24
			For Combination Hinged Screw Cover, Add	*31.81*	
26 05 33 23-0056			Surface Metal Raceways *(26 05 33 23-0001)*		
			Note: Exposed on flat wall surface.		
26 05 33 23-0057			One Piece Surface Metal Raceways *(26 05 33 23-0056)*		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058			3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*		
			Note: Available in ivory.		
26 05 33 23-0059		LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	5.00	1.70
			For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0060		EA	Bushing (Wiremold #502)	4.93	2.28
26 05 33 23-0061		EA	One Or Two Hole Strap (Wiremold #504)	4.97	2.28
26 05 33 23-0062		EA	Connection Cover (Wiremold #506)	5.16	2.28
26 05 33 23-0063		EA	Flat 90 Degree Elbow (Wiremold #511)	7.79	2.74
26 05 33 23-0064		EA	Flat 45 Degree Elbow (Wiremold #512)	12.84	2.85
26 05 33 23-0065		EA	Adjustable Internal Elbow (Wiremold #517)	9.71	3.42
26 05 33 23-0066		EA	Adjustable External Elbow (Wiremold #518)	9.50	3.42
26 05 33 23-0067			3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*		
			Note: Available in ivory and white.		
26 05 33 23-0068		LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.32	2.28
			For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0069		EA	Bushing (Wiremold #702)	5.06	2.28
26 05 33 23-0070		EA	One Or Two Hole Strap (Wiremold #704)	5.21	2.28
26 05 33 23-0071		EA	Connection Cover (Wiremold #706)	5.24	2.28
26 05 33 23-0072		EA	Flat 90 Degree Elbow (Wiremold #711)	11.53	4.55
26 05 33 23-0073		EA	Flat 45 Degree Elbow (Wiremold #712)	17.98	4.55
26 05 33 23-0074		EA	Adjustable Internal Elbow (Wiremold #717)	12.42	4.55
26 05 33 23-0075		EA	Adjustable External Elbow (Wiremold #718)	12.01	4.55
26 05 33 23-0076			One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*		
			Note: Available in ivory.		
26 05 33 23-0077		EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	33.79	3.42
26 05 33 23-0078		EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.18	2.28
26 05 33 23-0079		EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.18	2.28
26 05 33 23-0080		EA	Ground Clamp (Wiremold #5709)	14.85	3.42
26 05 33 23-0081		EA	Grounding Connector (Wiremold #5709GC)	12.57	3.42
26 05 33 23-0082		EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	14.32	4.55
26 05 33 23-0083		EA	Tee (Wiremold #5715)	16.15	5.69
26 05 33 23-0084		EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	27.75	4.55
26 05 33 23-0085		EA	Utility Box For #500 Or #700 (Wiremold #57242)	21.42	4.55
26 05 33 23-0086		EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	11.54	2.85
26 05 33 23-0087		EA	3" Diameter, Outlet Box (Wiremold #5733)	26.45	4.55
26 05 33 23-0088		EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	26.36	4.55
26 05 33 23-0089		EA	4-3/8" Blank Cover (Wiremold #5736)	12.22	2.85
26 05 33 23-0090		EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	23.98	4.55
26 05 33 23-0091		EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	23.15	4.55
26 05 33 23-0092		EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	23.34	4.55
26 05 33 23-0093		EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	23.34	4.55
26 05 33 23-0094		EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	26.36	4.55
26 05 33 23-0095		EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	26.04	4.55
26 05 33 23-0096		EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	27.78	4.55
26 05 33 23-0097		EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	31.43	7.40
26 05 33 23-0098		EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	49.88	14.24
26 05 33 23-0099		EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	23.84	7.40
26 05 33 23-0100		EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	37.55	7.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	42.99	7.40
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	65.11	7.40
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	33.99	6.27
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	37.91	6.27
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	60.65	6.27
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	24.88	7.40
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	21.91	7.40
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	30.70	7.40
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	59.45	7.40
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	23.40	7.40
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	32.48	7.40
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	57.79	7.40
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	85.64	7.40
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	141.02	7.40
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	143.49	7.40
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	23.12	7.40
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	22.48	7.40
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	29.81	7.40
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	58.35	7.40
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	24.28	7.40
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	31.35	7.40
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	45.04	7.40
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	15.66	2.85
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	14.92	2.85
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	9.96	2.85
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	18.72	3.42
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	10.05	2.85
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	23.42	3.42
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	21.00	3.42
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	11.74	3.42
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	19.50	3.42
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	10.20	2.85
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	9.01	2.28
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	9.11	2.85
		For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	5.68	2.28
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	6.74	2.85
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	7.63	3.42
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	29.46	10.82
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	30.43	10.82
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	32.69	10.82
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	32.50	10.82
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	29.30	7.40
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	30.20	7.40
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	59.18	14.24
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	31.10	7.40
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	37.99	7.40
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	37.27	7.40
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	18.01	3.42
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	15.14	5.12
		For Concrete Or Masonry Surface, Add	*0.51*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	5.73	2.28
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.38	2.28
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	22.60	3.99
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	33.82	5.69
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	33.23	6.83
26 05 33 23-0157		Two Piece Surface Metal Raceways *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.70	2.85
		For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	4.20	2.28
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	11.21	2.85
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	5.38	1.70
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	5.00	1.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	12.86	2.85
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	25.64	8.54
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	43.62	11.39
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	6.84	2.85
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	22.07	7.40
26 05 33 23-0169	EA	Tee (Wiremold #2015)	40.26	10.71
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	14.20	5.69
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	33.32	10.13
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	52.22	11.27
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	36.13	11.27
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	29.53	5.69
26 05 33 23-0175	EA	#2089E End Reducing Connector	12.21	2.85
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	7.46	2.85
		For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.16	2.85
		For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	2.94	0.57
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	4.19	2.28
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	11.13	2.85
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	9.07	2.85
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	5.03	1.70
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	37.21	8.54
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	35.67	8.54
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	9.71	2.28
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	24.59	8.54
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	6.90	2.85
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	6.98	2.85
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	37.05	8.54
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	35.55	8.54
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	57.86	8.54
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	44.48	8.54
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	27.51	8.54
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	43.67	8.54
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	39.17	8.43
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	26.25	8.54
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	46.80	8.43
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	44.53	8.43
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	30.99	8.43
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	25.96	8.43
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	40.42	8.43
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	39.24	8.43
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	25.17	8.43
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	43.89	8.43
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	43.19	8.43
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	30.48	8.43
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	39.91	7.40
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	44.25	7.40
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	44.48	7.40
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	42.64	7.40
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	59.99	7.40
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	52.86	7.40
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	28.09	7.40
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	43.29	7.40
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	13.33	2.85
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	31.70	8.54
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	93.39	8.54
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	27.31	4.55
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	14.65	5.12
		For Concrete Or Masonry Surface, Add	*0.51*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.43	0.57
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.58	2.28
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	14.47	2.28
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	14.14	2.85
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	10.50	2.85
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	6.08	2.28
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	15.62	4.55
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	15.44	3.42
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	36.20	10.82
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	13.30	4.55
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	40.00	10.82
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	59.92	14.11
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	43.12	14.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	82.24	17.65
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	39.10	10.82
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	48.03	10.82
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	34.54	10.82
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	57.90	10.82
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	18.63	2.85
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	20.36	2.85
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	18.58	2.85
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	22.00	3.42
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	57.42	14.81
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	65.08	10.82
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	18.76	3.42
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	21.65	2.85
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	85.90	6.83
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	210.81	6.83
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	74.70	6.83
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	80.90	6.83
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	80.90	6.83
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	25.58	3.42

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	18.03	5.12
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.33	0.57
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.08	0.57
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	6.90	2.85
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	17.96	3.42
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	8.49	3.42
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	8.64	3.42
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	35.78	7.40
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	19.07	4.55
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	73.22	17.53
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	68.03	14.24
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	80.30	14.24
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	74.12	17.65
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	98.67	17.65
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	109.44	17.65
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	113.76	17.65
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	135.78	17.65
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	136.21	17.65
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	60.31	17.65
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	107.54	17.65
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	66.80	17.65
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	56.88	17.65
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	89.81	17.65
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	104.17	17.65
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	87.97	7.40
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	93.28	7.40
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	93.28	7.40
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	124.67	7.40
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	26.27	7.40
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	79.99	3.42
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	95.48	7.40
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	26.03	7.40
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	30.36	7.40
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	29.52	5.69
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	137.87	17.65
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	124.26	17.65
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	124.26	17.65
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	100.28	33.59
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	61.66	17.65

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	28.43	6.27
		For Concrete Or Masonry Surface, Add	*0.63*	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	8.29	1.70
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.83	1.70
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	8.69	2.85
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	23.32	5.69
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	10.89	2.85
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	30.30	7.40
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	28.65	7.40
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	30.15	7.40
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	33.21	7.40
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	48.25	10.82
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	50.44	17.08

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0307		EA	Combination Flat Elbow (Wiremold #6011TX)	99.11	17.08
26 05 33 23-0308		EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	101.06	16.40
26 05 33 23-0309		EA	Connector Fitting (Wiremold #6014A)	145.92	17.65
26 05 33 23-0310		EA	Combination Internal-External Elbow (Wiremold #6017TX)	102.18	19.36
26 05 33 23-0311		EA	Circuit Breaker Housing (Wiremold #6046KD)	182.25	19.36
26 05 33 23-0312		EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	176.34	17.08
26 05 33 23-0313		EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	191.20	17.08
26 05 33 23-0314		EA	Panel Connector (Wiremold #6086)	107.25	39.63
26 05 33 23-0315			Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0316			1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*		
26 05 33 23-0317		LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	11.18	2.85
			For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0318		LF	Aluminum Raceway Cover (Wiremold #AL2000C)	5.49	0.57
26 05 33 23-0319		EA	Wire Clip (Wiremold #AL2000WC)	5.46	2.28
26 05 33 23-0320		EA	Coupling (Wiremold #AL2001)	12.18	2.85
26 05 33 23-0321		EA	Supporting Clip (Wiremold #AL2003)	5.89	1.70
26 05 33 23-0322		EA	Cover Clip (Wiremold #AL2006)	7.42	1.70
26 05 33 23-0323		EA	Ground Clamp (Wiremold #AL2009)	10.66	2.85
26 05 33 23-0324		EA	Entrance End Fitting (Wiremold #AL2010A)	29.83	8.54
26 05 33 23-0325		EA	Blank End Fitting (Wiremold #AL2010B)	9.66	2.85
26 05 33 23-0326		EA	Flat 90 Degree Elbow (Wiremold #AL2011)	34.35	7.40
26 05 33 23-0327		EA	Tee (Wiremold #AL2015)	46.64	10.71
26 05 33 23-0328		EA	Internal Corner Elbow (Wiremold #AL2017)	30.98	5.69
26 05 33 23-0329		EA	External Corner Elbow (Wiremold #AL2018)	30.92	5.69
26 05 33 23-0330		EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	50.77	11.27
26 05 33 23-0331		EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	116.00	10.13
26 05 33 23-0332		EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	52.14	10.13
26 05 33 23-0333		EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	107.01	11.27
26 05 33 23-0334		EA	Single Gang Shallow Device Box (Wiremold #AL2047)	53.96	10.13
26 05 33 23-0335		EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	94.73	11.27
26 05 33 23-0336		EA	Flush Plate Adapter (Wiremold #AL2051H)	41.25	11.27
26 05 33 23-0337			2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*		
26 05 33 23-0338		LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	12.51	2.85
			For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0339		LF	Aluminum Raceway Cover (Wiremold #AL2400C)	5.67	0.57
26 05 33 23-0340		EA	Wire Clip (Wiremold #AL2400WC)	7.41	2.28
26 05 33 23-0341		EA	Coupling (Wiremold #AL2401)	14.03	2.85
26 05 33 23-0342		EA	Cover Clip (Wiremold #AL2406)	9.60	1.70
26 05 33 23-0343		EA	Ground Clamp (Wiremold #AL2409)	8.46	2.28
26 05 33 23-0344		EA	Blank End (Wiremold #AL2410B)	10.66	2.85
26 05 33 23-0345		EA	End Fitting (Wiremold #AL2410B2)	23.11	8.54
26 05 33 23-0346		EA	Flat 90 Degree Elbow (Wiremold #AL2411)	41.51	8.54
26 05 33 23-0347		EA	Tee (Wiremold #AL2415)	45.19	8.43
26 05 33 23-0348		EA	Fourway Fitting (Wiremold #AL2416)	52.94	8.43
26 05 33 23-0349		EA	Internal Coupling (Wiremold #AL2417)	41.36	8.43
26 05 33 23-0350		EA	External Coupling (Wiremold #AL2418)	44.47	8.43
26 05 33 23-0351		EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	37.11	8.54
26 05 33 23-0352			2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*		
26 05 33 23-0353		LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	22.63	5.12
			For Concrete Or Masonry Surface, Add	*0.51*	
26 05 33 23-0354		LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	6.76	0.57
26 05 33 23-0355		LF	Raceway Divider (Wiremold #AL3300D)	5.57	5.12
26 05 33 23-0356		EA	Wire Clips For Conductors (Wiremold #AL3300WC)	10.81	2.28
26 05 33 23-0357		EA	Couplings (Wiremold #AL3301)	19.47	2.28
26 05 33 23-0358		EA	Divider Coupling (Wiremold #AL3301D)	16.34	2.85
26 05 33 23-0359		EA	Ground Clamp (Wiremold #AL3309)	10.95	2.28
26 05 33 23-0360		EA	Blank End Fittings (Wiremold #AL3310B)	22.80	4.55
26 05 33 23-0361		EA	End Fitting (Wiremold #AL3310B1)	36.70	10.82
26 05 33 23-0362		EA	Flat 90 Degree Elbow (Wiremold #AL3311)	113.45	14.11
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363		EA	Tee Fitting (Wiremold #AL3315)	130.00	17.65
			Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364		EA	Cross Fitting (Wiremold #AL3316)	147.25	17.65
			Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365		EA	Internal Elbow (Wiremold #AL3317)	106.53	10.82
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366		EA	External Elbow (Wiremold #AL3318)	106.65	10.82
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367		EA	Duplex Receptacle Cover (Wiremold #AL3346D)	23.54	3.42
26 05 33 23-0368		EA	Single Receptacle Cover (Wiremold #AL3346E)	23.39	3.42

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	23.14	3.42
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	23.21	2.85
26 05 33 23-0371		**5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	27.12	5.12
		For Concrete Or Masonry Surface, Add	*0.55*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	11.15	0.57
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	6.53	0.57
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	8.98	2.85
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	7.54	2.85
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	7.49	2.85
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	17.58	3.42
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	15.55	3.42
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	19.38	3.42
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	20.44	4.55
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	21.93	4.55
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	22.26	4.55
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	21.58	4.55
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	112.53	14.24
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	88.65	17.65
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	131.69	17.65
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	144.43	17.65
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	116.87	17.65
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	49.81	17.65
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	120.12	17.65
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	117.88	17.65
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	25.26	3.42
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	29.92	3.42
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	35.50	3.42
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	33.30	3.42
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	30.75	3.42
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	28.88	7.40
26 05 33 23-0399		**3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	24.16	5.12
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	11.56	3.42
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	20.26	4.55
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	21.77	4.55
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	111.39	14.24
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	114.97	17.65
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	112.11	17.65
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	131.92	17.65
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	113.58	17.65
26 05 33 23-0409		**6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)** *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	39.78	5.12
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	17.05	3.42
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	22.32	4.55
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	24.93	4.55
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	147.80	14.24
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	202.58	17.65
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	135.88	17.65
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	160.46	17.65
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	142.80	17.65
26 05 33 23-0419		**Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)** *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	8.59	0.57
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	7.64	2.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	18.99	3.42
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	16.10	3.42
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	43.75	14.24
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	52.10	17.65
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	48.95	14.24
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	20.81	3.42
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	22.23	3.42
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	23.17	3.42
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	22.75	3.42
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	22.42	3.42
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	23.18	3.42
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	23.80	3.42
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	30.68	3.42
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	28.80	3.42
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	33.29	3.42
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	21.74	3.42
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	32.14	3.42
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	29.36	3.42
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	23.74	3.42
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	29.63	3.42
26 05 33 23-0442		**Surface Non-Metallic Raceways** *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0443		**One Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		**7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)** *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.58	2.28
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	4.98	2.28
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	5.25	2.28
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	10.11	4.55
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	11.79	4.55
26 05 33 23-0450	EA	Tee (Wiremold #415)	14.84	5.69
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	11.58	4.55
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	11.58	4.55
26 05 33 23-0453		**1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)** *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.32	2.28
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	5.01	2.28
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	5.11	2.28
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	15.27	4.55
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	10.11	4.55
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	11.60	4.55
26 05 33 23-0460	EA	Tee (Wiremold #815)	14.57	5.69
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	11.38	4.55
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	11.38	4.55
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	12.79	4.55
26 05 33 23-0464		**2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.41	2.28
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	8.94	2.28
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	5.24	2.28
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.51	2.28
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	16.57	4.55
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	10.62	4.55
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	18.60	4.55
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	11.82	4.55
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	12.68	4.55
26 05 33 23-0474	EA	Tee (Wiremold #2315)	14.70	5.69
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	11.82	4.55
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	12.69	4.55
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	11.84	4.55
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	12.85	4.55
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	12.86	4.55
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	13.41	4.55
26 05 33 23-0481		**One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	14.23	3.99
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	23.21	4.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	23.33	4.55
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	21.09	4.55
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	24.39	4.55
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	22.95	4.55
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	24.90	4.55
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	21.25	7.40
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	24.16	7.40
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	22.10	7.40
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	26.48	7.40
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	31.56	7.40
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	29.94	7.40
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	27.17	7.40
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	20.82	7.40
26 05 33 23-0497		**3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)** *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.05	2.28
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.60	1.14
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.87	1.14
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	6.13	2.28
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	7.31	2.85
26 05 33 23-0503	EA	Tee (Wiremold #2715)	11.88	5.12
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	8.45	3.42
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	8.44	3.42
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	9.96	3.99
26 05 33 23-0507		**1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)** *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	7.76	2.85
		For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	3.87	1.70
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	5.10	1.70
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	7.37	2.85
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	9.72	3.99
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	10.33	3.99
26 05 33 23-0514	EA	Tee (Wiremold #2815)	14.27	6.27
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	10.84	4.55
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	10.86	4.55
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	15.09	6.27
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	11.57	4.55
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	11.47	4.55
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	12.23	5.12
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	11.01	4.55
26 05 33 23-0522		**1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)** *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	9.43	3.42
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	5.10	2.28
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	6.36	2.28
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	8.64	3.42
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	10.93	4.55
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	11.88	4.55
26 05 33 23-0529	EA	Tee (Wiremold #2915)	15.48	6.83
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	16.46	6.83
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	12.07	5.12
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	13.06	5.12
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	12.06	5.12
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	13.34	5.12
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	12.23	5.12
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	13.59	5.69
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	13.26	5.69
26 05 33 23-0538		**Two Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	14.52	5.12
		For Concrete Or Masonry Surface, Add	*0.51*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	13.87	5.12
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	24.95	5.12
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	20.57	5.12
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.93	0.57
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.48	0.57
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.70	0.57
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	13.64	5.69
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	7.56	2.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	10.00	3.42
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	14.57	5.69
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	13.72	5.69
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	15.46	5.69
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	28.28	11.39
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	29.17	11.39
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	24.89	10.82
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	47.35	17.65
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	33.40	14.24
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	29.76	11.39
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	20.58	8.54
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	33.34	14.24
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	30.00	11.39
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	13.49	5.69
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	15.79	5.12
		For Concrete Or Masonry Surface, Add	*0.51*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	5.21	0.57
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.40	0.57
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.28	2.85
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	10.28	3.42
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	8.78	3.42
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	7.94	3.42
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	58.16	17.65
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	28.98	10.82
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	55.98	17.65
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	50.65	14.24
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	58.68	17.65
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	61.26	17.65
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	49.25	17.65
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	49.90	17.65
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	50.49	17.65
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	23.19	5.69
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	30.21	5.69
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	18.00	5.69
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	51.69	17.65
26 05 33 23-0584		**6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	19.47	5.12
		For Concrete Or Masonry Surface, Add	*0.51*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	6.80	0.57
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	7.22	2.85
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	11.46	3.42
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	8.33	3.42
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	10.73	3.42
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	10.77	3.42
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	10.83	3.42
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	10.83	3.42
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	10.72	3.42
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	10.75	3.42
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	10.67	3.42
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	10.69	3.42
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	10.77	3.42
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	10.56	3.42
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	27.49	5.69
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	36.55	5.69
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	31.26	10.82
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	63.24	17.65
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	57.34	14.24
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	46.64	14.24
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	66.28	17.65
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	53.90	17.65
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	55.13	17.65
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	57.75	17.65
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	52.64	17.65
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	69.58	17.65
26 05 33 23-0612		**Surface Cable Protection System** *(26 05 33 23)*		
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	626.29	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	472.23	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001 Cable Trays *(26 05 36)*
Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*

26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*

26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.26	11.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.33*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.77	12.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.61*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.13	13.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.96*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.00	14.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.48*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	62.67	15.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.01*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	76.46	17.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.19*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	85.76	20.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.91*	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.75	11.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.09*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.12	12.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.37*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.07	13.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.58*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.66	14.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.98*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.77	14.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.35*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	65.58	17.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.14*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	71.65	18.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.60*	

26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.25	11.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.41	11.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.04*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.58	12.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.40*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.87	13.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.77*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.05	13.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.16*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.83	14.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.54*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	62.12	16.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.86*	

26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.08	11.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.88*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.88	11.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.94*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.18	11.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.12*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.63	12.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.32*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.50	12.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.50*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.32	13.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.90*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.00	14.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.11*	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0036		18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.58	10.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.85*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.22	11.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.90*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.52	11.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.08*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.56	12.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.24*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.27	12.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.30*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.97	13.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.49*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.94	13.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.63*	
26 05 36 00-0044		4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0045		12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.26	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.01*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.29	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.46*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.25	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.91*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.52	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.28*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	585.13	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.06*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.40	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.17*	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	806.79	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.94*	
26 05 36 00-0053		24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.65	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.83*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.04	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.25*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.93	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.65*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	643.88	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.19*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.92	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.15*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	802.83	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.64*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	940.50	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.82*	
26 05 36 00-0061		36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.41	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.12*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.02	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.50*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.36	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	733.12	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.85*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	833.30	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.66*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	978.48	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.92*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,109.62	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.68*	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.94	90.60
		For 60 Degree Bend, Deduct	*-47.43*	
		For 30 Degree Bend, Deduct	*-84.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.35*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.03	108.67
		For 60 Degree Bend, Deduct	*-51.76*	
		For 30 Degree Bend, Deduct	*-92.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.25*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.71	124.63
		For 60 Degree Bend, Deduct	*-55.75*	
		For 30 Degree Bend, Deduct	*-99.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.99*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.47	157.53
		For 60 Degree Bend, Deduct	*-63.20*	
		For 30 Degree Bend, Deduct	*-114.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.32*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.52	192.92
		For 60 Degree Bend, Deduct	*-79.67*	
		For 30 Degree Bend, Deduct	*-143.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.48*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.14	221.47
		For 60 Degree Bend, Deduct	*-97.63*	
		For 30 Degree Bend, Deduct	*-175.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.86*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.32	259.97
		For 60 Degree Bend, Deduct	*-106.69*	
		For 30 Degree Bend, Deduct	*-192.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.87*	
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	279.69	93.47
		For 60 Degree Bend, Deduct	*-56.49*	
		For 30 Degree Bend, Deduct	*-99.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.18*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.79	112.66
		For 60 Degree Bend, Deduct	*-62.34*	
		For 30 Degree Bend, Deduct	*-110.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.59*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.81	130.11
		For 60 Degree Bend, Deduct	*-70.52*	
		For 30 Degree Bend, Deduct	*-124.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.64*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.94	166.13
		For 60 Degree Bend, Deduct	*-77.85*	
		For 30 Degree Bend, Deduct	*-138.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.05*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.89	206.38
		For 60 Degree Bend, Deduct	*-95.11*	
		For 30 Degree Bend, Deduct	*-169.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.59*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.92	239.40
		For 60 Degree Bend, Deduct	*-112.49*	
		For 30 Degree Bend, Deduct	*-200.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.95*	

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		MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.93	285.02
			For 60 Degree Bend, Deduct	*-130.65*	
			For 30 Degree Bend, Deduct	*-233.58*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.95*	
26 05 36 00-0085			36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0086	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.68	96.46
			For 60 Degree Bend, Deduct	*-74.81*	
			For 30 Degree Bend, Deduct	*-130.03*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.83*	
26 05 36 00-0087	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.21	117.15
			For 60 Degree Bend, Deduct	*-81.56*	
			For 30 Degree Bend, Deduct	*-142.44*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.56*	
26 05 36 00-0088	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.59	135.97
			For 60 Degree Bend, Deduct	*-86.02*	
			For 30 Degree Bend, Deduct	*-150.91*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.53*	
26 05 36 00-0089	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.36	175.98
			For 60 Degree Bend, Deduct	*-97.97*	
			For 30 Degree Bend, Deduct	*-173.07*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.47*	
26 05 36 00-0090	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.13	221.47
			For 60 Degree Bend, Deduct	*-109.51*	
			For 30 Degree Bend, Deduct	*-194.82*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.46*	
26 05 36 00-0091	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.31	259.97
			For 60 Degree Bend, Deduct	*-137.05*	
			For 30 Degree Bend, Deduct	*-242.86*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.06*	
26 05 36 00-0092	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	840.51	314.69
			For 60 Degree Bend, Deduct	*-156.73*	
			For 30 Degree Bend, Deduct	*-278.70*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.82*	
26 05 36 00-0093			12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0094	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.07	124.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.92*	
26 05 36 00-0095	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.22	142.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.76*	
26 05 36 00-0096	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.53	157.41
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.54*	
26 05 36 00-0097	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.95	192.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.22*	
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	547.71	221.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.31*	
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	608.26	249.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.06*	
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.22	284.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.71*	
26 05 36 00-0101			24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.30	129.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.80*	
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.24	149.55
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.96*	
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.86	166.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.24*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.31	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.84*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	657.85	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.84*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.05	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.96*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.65	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.94*	

26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.84	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.96*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.38	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.33*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.07	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.74*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	704.84	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.03*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.59	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.59*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	884.20	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.49*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	996.34	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.35*	

26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	647.78	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.83*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.74	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.41*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.13	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.87*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	821.63	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.24*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	932.24	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.55*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,039.87	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.65*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,176.86	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.47*	

26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	823.30	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.66*	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	883.49	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.60*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	921.91	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.27*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,010.23	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.35*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,120.82	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.93*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,206.58	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.44*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0132		EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,461.93	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.82*	
26 05 36 00-0133			36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0134		EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,058.05	285.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.06*	
26 05 36 00-0135		EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,129.91	314.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.76*	
26 05 36 00-0136		EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,199.65	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.29*	
26 05 36 00-0137		EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,317.66	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.61*	
26 05 36 00-0138		EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,495.00	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.93*	
26 05 36 00-0139		EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,621.63	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.79*	
26 05 36 00-0140		EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,823.09	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.02*	
26 05 36 00-0141			12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0142		EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	792.55	221.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.80*	
26 05 36 00-0143		EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	810.81	230.18
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.90*	
26 05 36 00-0144		EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	829.77	239.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.03*	
26 05 36 00-0145		EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	871.58	259.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.49*	
26 05 36 00-0146		EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	898.54	271.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.21*	
26 05 36 00-0147		EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	973.90	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.46*	
26 05 36 00-0148		EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,047.37	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.07*	
26 05 36 00-0149			24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0150		EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,164.03	239.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.46*	
26 05 36 00-0151		EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,191.65	249.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.39*	
26 05 36 00-0152		EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,220.70	259.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.40*	
26 05 36 00-0153		EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,284.61	285.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.71*	
26 05 36 00-0154		EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,330.45	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.12*	
26 05 36 00-0155		EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,407.63	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.09*	
26 05 36 00-0156		EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,514.50	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.29*	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,863.23	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.66*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,901.33	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.49*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,941.99	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.45*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,010.14	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.79*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,057.59	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.09*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,183.03	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.15*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,289.80	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-193.41*	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	806.77	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.75*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	847.65	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.54*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	906.24	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.95*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	973.02	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.96*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,095.16	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.30*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,227.59	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.19*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,343.08	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.94*	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,151.37	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.47*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,203.29	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.99*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,258.24	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.67*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,340.28	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.81*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,487.93	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.42*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,599.65	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.42*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,797.09	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.42*	
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,458.79	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.72*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,537.12	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,621.27	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.56*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,770.19	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.65*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,019.93	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.71*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,202.49	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.48*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,408.69	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.43*	

26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	945.49	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.62*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	993.22	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.09*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,064.92	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.83*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,147.05	352.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.36*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,289.03	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.69*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,460.23	426.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.44*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,601.20	459.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.80*	

26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,420.45	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.37*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,480.72	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.73*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,544.03	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.25*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,644.46	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.23*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,812.16	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.85*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,945.61	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.02*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,198.21	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.53*	

26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,834.84	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.33*	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,929.88	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.77*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,030.74	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.51*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,221.45	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.77*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,521.33	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-206.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,745.66	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-224.79*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,993.64	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-243.93*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.26	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.21*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.86	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.52*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.11	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.80*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.09	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.53*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.28	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.97*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.83	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.11*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.36	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.20*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.51	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.12*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.76	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.42*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.22	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.67*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	601.02	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.91*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.92	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.55*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	752.84	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.64*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	881.08	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.88*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.27	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.01*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.59	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.16*	
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.93	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.92*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.13	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.66*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.16	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.95*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	909.91	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,034.77	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.19*	

26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.94	90.60
		For 60 Degree Bend, Deduct	*-42.81*	
		For 30 Degree Bend, Deduct	*-76.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.95*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.46	108.67
		For 60 Degree Bend, Deduct	*-46.95*	
		For 30 Degree Bend, Deduct	*-84.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.79*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.57	124.63
		For 60 Degree Bend, Deduct	*-50.75*	
		For 30 Degree Bend, Deduct	*-91.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.47*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.47	157.53
		For 60 Degree Bend, Deduct	*-57.92*	
		For 30 Degree Bend, Deduct	*-105.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.72*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.95	192.92
		For 60 Degree Bend, Deduct	*-72.88*	
		For 30 Degree Bend, Deduct	*-132.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.42*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.85	221.47
		For 60 Degree Bend, Deduct	*-88.96*	
		For 30 Degree Bend, Deduct	*-160.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.23*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.89	259.97
		For 60 Degree Bend, Deduct	*-97.64*	
		For 30 Degree Bend, Deduct	*-177.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.12*	

26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	261.98	93.47
		For 60 Degree Bend, Deduct	*-50.64*	
		For 30 Degree Bend, Deduct	*-89.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.41*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.93	112.66
		For 60 Degree Bend, Deduct	*-56.11*	
		For 30 Degree Bend, Deduct	*-99.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.70*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.67	130.11
		For 60 Degree Bend, Deduct	*-63.54*	
		For 30 Degree Bend, Deduct	*-113.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.53*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.23	166.13
		For 60 Degree Bend, Deduct	*-70.69*	
		For 30 Degree Bend, Deduct	*-127.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.88*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.60	206.38
		For 60 Degree Bend, Deduct	*-86.43*	
		For 30 Degree Bend, Deduct	*-155.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.50	239.40
		For 60 Degree Bend, Deduct	*-102.12*	
		For 30 Degree Bend, Deduct	*-183.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.80*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	690.93	285.02
		For 60 Degree Bend, Deduct	*-118.77*	
		For 30 Degree Bend, Deduct	*-213.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.35*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0254		36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*			
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		313.25	96.46
		For 60 Degree Bend, Deduct		*-66.41*	
		For 30 Degree Bend, Deduct		*-116.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-23.29*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		356.35	117.15
		For 60 Degree Bend, Deduct		*-72.69*	
		For 30 Degree Bend, Deduct		*-127.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-25.87*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		391.16	135.97
		For 60 Degree Bend, Deduct		*-76.96*	
		For 30 Degree Bend, Deduct		*-135.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-27.79*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		471.65	175.98
		For 60 Degree Bend, Deduct		*-88.17*	
		For 30 Degree Bend, Deduct		*-156.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-32.50*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		557.71	221.47
		For 60 Degree Bend, Deduct		*-99.14*	
		For 30 Degree Bend, Deduct		*-177.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-37.31*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		676.74	259.97
		For 60 Degree Bend, Deduct		*-123.66*	
		For 30 Degree Bend, Deduct		*-220.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-46.01*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		795.37	314.69
		For 60 Degree Bend, Deduct		*-141.83*	
		For 30 Degree Bend, Deduct		*-253.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-53.31*	
26 05 36 00-0262		12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*			
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		350.64	124.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-24.68*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		383.50	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-26.49*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		413.39	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-28.23*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		479.23	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-31.85*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		533.42	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-34.88*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		592.84	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-38.51*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		658.22	284.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-42.11*	
26 05 36 00-0270		24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*			
26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		418.73	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-31.04*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		456.24	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.16*	
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		492.15	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-35.37*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		570.60	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-39.87*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		637.14	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.77*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		704.20	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.78*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	807.08	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.48*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.12	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.59*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.81	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.37*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.22	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.25*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.98	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.34*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	745.45	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.88*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	853.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.41*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	963.49	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.07*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.64	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.92*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.17	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.35*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.41	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.70*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	796.77	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.75*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	903.10	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.64*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.02	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.16*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,137.44	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.53*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	793.30	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.66*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.07	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.46*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	889.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.01*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	975.09	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.84*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,082.54	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.10*	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,164.87	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.27*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,408.51	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.48*	

26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.20	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.57*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,083.35	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.11*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,149.94	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.32*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,264.24	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.27*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,434.72	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.91*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,555.92	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.22*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,752.53	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.97*	

26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.98	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.54*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	777.96	230.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.61*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	796.63	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.72*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	837.87	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.12*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	864.26	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.78*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	937.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.81*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,009.38	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.27*	

26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,105.17	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.57*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,131.94	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.42*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.13	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.35*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,222.32	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.48*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,266.45	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.72*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,341.92	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.52*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,445.94	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.44*	

26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,753.23	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.66*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,789.91	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.35*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329		EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,829.14	285.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.17*	
26 05 36 00-0330		EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,895.86	314.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.36*	
26 05 36 00-0331		EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,941.88	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.52*	
26 05 36 00-0332		EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,063.04	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.15*	
26 05 36 00-0333		EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,168.38	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.27*	

26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0335		EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	783.06	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.38*	
26 05 36 00-0336		EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	822.79	314.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.05*	
26 05 36 00-0337		EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	879.10	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.24*	
26 05 36 00-0338		EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.31	352.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.99*	
26 05 36 00-0339		EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.02	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.99*	
26 05 36 00-0340		EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,187.88	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.22*	
26 05 36 00-0341		EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,298.80	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.51*	

26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0343		EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,105.37	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.87*	
26 05 36 00-0344		EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,155.86	352.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.25*	
26 05 36 00-0345		EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,209.38	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.78*	
26 05 36 00-0346		EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,288.28	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.61*	
26 05 36 00-0347		EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,432.50	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.88*	
26 05 36 00-0348		EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,540.51	498.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.51*	
26 05 36 00-0349		EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,728.53	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.57*	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0351		EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,394.51	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.29*	
26 05 36 00-0352		EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,469.99	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.78*	
26 05 36 00-0353		EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,551.28	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.56*	
26 05 36 00-0354		EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,693.06	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.94*	
26 05 36 00-0355		EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,934.23	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,109.63	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.19*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,308.69	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.43*	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	911.11	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.19*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	957.18	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.48*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,025.56	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.89*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.97	352.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.05*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,240.97	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.88*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,402.65	426.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.68*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,536.99	459.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.38*	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,353.75	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.70*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,411.96	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.86*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,473.19	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.16*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,569.06	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.69*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,731.80	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.81*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,859.86	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.44*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,098.79	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.59*	

26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,741.63	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.01*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,832.53	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.04*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,929.25	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.36*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,109.60	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.59*	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,397.05	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-194.42*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,611.03	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-211.33*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,848.65	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-229.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.26	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.41*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.44	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.58*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.97	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.68*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.66	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.79*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.42	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.88*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.26	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.06*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.94	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.45*	
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.37	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.40*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.47	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.59*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.51	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.70*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.17	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.62*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.92	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.95*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	702.84	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.64*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	821.65	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.94*	
26 05 36 00-0399		36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.13	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.89*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.17	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.82*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.51	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.38*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.13	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.46*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	719.02	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.24*	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	841.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.21*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	959.92	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.71*	
26 05 36 00-0407		12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.94	90.60
		For 60 Degree Bend, Deduct	*-38.19*	
		For 30 Degree Bend, Deduct	*-68.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.55*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.89	108.67
		For 60 Degree Bend, Deduct	*-42.14*	
		For 30 Degree Bend, Deduct	*-76.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.34*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.43	124.63
		For 60 Degree Bend, Deduct	*-45.76*	
		For 30 Degree Bend, Deduct	*-83.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.96*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.47	157.53
		For 60 Degree Bend, Deduct	*-52.64*	
		For 30 Degree Bend, Deduct	*-96.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.12*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.38	192.92
		For 60 Degree Bend, Deduct	*-66.09*	
		For 30 Degree Bend, Deduct	*-120.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.36*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.57	221.47
		For 60 Degree Bend, Deduct	*-80.28*	
		For 30 Degree Bend, Deduct	*-146.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.60*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.46	259.97
		For 60 Degree Bend, Deduct	*-88.59*	
		For 30 Degree Bend, Deduct	*-162.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.38*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.26	93.47
		For 60 Degree Bend, Deduct	*-44.79*	
		For 30 Degree Bend, Deduct	*-79.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.64*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.08	112.66
		For 60 Degree Bend, Deduct	*-49.89*	
		For 30 Degree Bend, Deduct	*-89.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.82*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.53	130.11
		For 60 Degree Bend, Deduct	*-56.57*	
		For 30 Degree Bend, Deduct	*-101.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.41*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	385.51	166.13
		For 60 Degree Bend, Deduct	*-63.52*	
		For 30 Degree Bend, Deduct	*-115.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.70*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.32	206.38
		For 60 Degree Bend, Deduct	*-77.76*	
		For 30 Degree Bend, Deduct	*-141.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.34*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	556.07	239.40
		For 60 Degree Bend, Deduct	*-91.75*	
		For 30 Degree Bend, Deduct	*-166.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.66*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	654.94	285.02
		For 60 Degree Bend, Deduct	*-106.89*	
		For 30 Degree Bend, Deduct	*-193.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.75*	

26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.82	96.46
		For 60 Degree Bend, Deduct	*-58.02*	
		For 30 Degree Bend, Deduct	*-102.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.50	117.15
		For 60 Degree Bend, Deduct	*-63.83*	
		For 30 Degree Bend, Deduct	*-112.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.19*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.73	135.97
		For 60 Degree Bend, Deduct	*-67.91*	
		For 30 Degree Bend, Deduct	*-120.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.04*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.94	175.98
		For 60 Degree Bend, Deduct	*-78.36*	
		For 30 Degree Bend, Deduct	*-140.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.53*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.28	221.47
		For 60 Degree Bend, Deduct	*-88.77*	
		For 30 Degree Bend, Deduct	*-160.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.17*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	636.17	259.97
		For 60 Degree Bend, Deduct	*-110.27*	
		For 30 Degree Bend, Deduct	*-198.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.95*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	750.23	314.69
		For 60 Degree Bend, Deduct	*-126.93*	
		For 30 Degree Bend, Deduct	*-229.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.80*	

26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.00	124.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.81*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.43	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.58*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.68	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.26*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.66	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.79*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.00	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.74*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.69	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.20*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	634.22	284.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.71*	

26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.37	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.40*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.25	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.46*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.08	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	541.03	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.91*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.07	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.66*	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	671.42	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.50*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	770.23	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.80*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.56	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.03*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.96	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.68*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	541.93	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.52*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.70	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.31*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	704.74	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.81*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	807.06	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.78*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	914.21	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.14*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.35	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.09*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	639.03	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.24*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	669.99	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.36*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.06	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.78*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.82	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.81*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	935.31	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.19*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,058.59	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.64*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	733.31	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.66*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.21	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.17*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	824.20	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.49*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.81	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.81*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.97	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.44*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,081.44	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.93*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,301.66	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.80*	

26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	923.49	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.60*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	990.21	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,050.52	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.38*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,157.39	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.58*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,314.15	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.85*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,424.51	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.08*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,611.39	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.85*	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.84	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.03*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	712.25	230.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.04*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.34	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.09*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	770.45	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.38*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.69	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.93*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	864.20	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.49*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	933.38	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.67*	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	987.47	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.80*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,012.52	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.48*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,039.00	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.23*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,097.76	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.03*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,138.46	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.92*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,210.51	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.38*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,308.80	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.72*	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,533.25	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.66*	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,567.06	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.06*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,603.44	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.60*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,667.30	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.50*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,710.47	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,823.05	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.15*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,925.54	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.99*	

26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.64	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.64*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	773.08	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.08*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	824.82	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.81*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	883.88	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	995.73	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.36*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,108.45	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.28*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,210.23	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.65*	

26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.38	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.67*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,061.01	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.76*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,111.68	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.01*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,184.29	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.21*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,321.66	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.80*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,422.24	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.68*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,591.39	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.85*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,265.95	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.44*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,335.71	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.35*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,411.29	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.56*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,538.78	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.51*	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,762.81	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.99*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,923.93	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.62*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,108.71	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.43*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	842.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.31*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	885.10	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.28*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	946.85	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.02*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.81	352.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.43*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,144.87	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.27*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,287.49	426.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.17*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,408.57	459.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.53*	
26 05 36 00-0535		24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,220.36	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.37*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,274.42	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.10*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,331.52	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.00*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,418.28	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.61*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,571.07	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.74*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,688.36	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.29*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,899.94	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.71*	
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,555.22	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.37*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,637.83	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.57*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,726.27	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.06*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,885.90	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.22*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,148.50	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.56*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,341.76	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.40*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,558.67	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-200.43*	
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.96	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.78*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.64	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.90*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.57	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.94*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.06	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.83*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.63	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.81*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.06	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.64*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.34	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.79*	
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.37	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.10*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.08	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.26*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.61	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.31*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.17	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.12*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.82	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.34*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.34	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.89*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	800.85	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.86*	
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.73	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.45*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.97	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.30*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.61	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.79*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.93	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.64*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.03	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.24*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	817.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.81*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	933.72	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.09*	
26 05 36 00-0576		12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	216.05	90.60
		For 60 Degree Bend, Deduct	*-36.58*	
		For 30 Degree Bend, Deduct	*-66.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.79	108.67
		For 60 Degree Bend, Deduct	*-40.46*	
		For 30 Degree Bend, Deduct	*-73.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.83*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.13	124.63
		For 60 Degree Bend, Deduct	*-44.01*	
		For 30 Degree Bend, Deduct	*-80.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.43*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.87	157.53
		For 60 Degree Bend, Deduct	*-50.80*	
		For 30 Degree Bend, Deduct	*-93.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.56*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.18	192.92
		For 60 Degree Bend, Deduct	*-68.72*	
		For 30 Degree Bend, Deduct	*-116.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.64*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.37	221.47
		For 60 Degree Bend, Deduct	*-77.25*	
		For 30 Degree Bend, Deduct	*-141.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.68*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.86	259.97
		For 60 Degree Bend, Deduct	*-85.42*	
		For 30 Degree Bend, Deduct	*-156.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.42*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.07	93.47
		For 60 Degree Bend, Deduct	*-42.75*	
		For 30 Degree Bend, Deduct	*-76.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.02*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.48	112.66
		For 60 Degree Bend, Deduct	*-47.71*	
		For 30 Degree Bend, Deduct	*-85.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.16*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.13	130.11
		For 60 Degree Bend, Deduct	*-54.12*	
		For 30 Degree Bend, Deduct	*-97.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.67*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.91	166.13
		For 60 Degree Bend, Deduct	*-61.01*	
		For 30 Degree Bend, Deduct	*-110.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.94*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.12	206.38
		For 60 Degree Bend, Deduct	*-74.72*	
		For 30 Degree Bend, Deduct	*-136.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.42*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.07	239.40
		For 60 Degree Bend, Deduct	*-88.12*	
		For 30 Degree Bend, Deduct	*-160.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.56*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.34	285.02
		For 60 Degree Bend, Deduct	*-102.73*	
		For 30 Degree Bend, Deduct	*-187.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.49*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.92	96.46
		For 60 Degree Bend, Deduct	*-55.08*	
		For 30 Degree Bend, Deduct	*-97.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.86*	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	320.10	117.15
		For 60 Degree Bend, Deduct	*-60.73*	
		For 30 Degree Bend, Deduct	*-107.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.13	135.97
		For 60 Degree Bend, Deduct	*-64.74*	
		For 30 Degree Bend, Deduct	*-115.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.08*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.54	175.98
		For 60 Degree Bend, Deduct	*-74.93*	
		For 30 Degree Bend, Deduct	*-134.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.49*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.28	221.47
		For 60 Degree Bend, Deduct	*-85.14*	
		For 30 Degree Bend, Deduct	*-154.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.07*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	621.97	259.97
		For 60 Degree Bend, Deduct	*-105.58*	
		For 30 Degree Bend, Deduct	*-190.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.53*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	734.43	314.69
		For 60 Degree Bend, Deduct	*-121.72*	
		For 30 Degree Bend, Deduct	*-220.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.22*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.30	124.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.94*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.53	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.69*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.48	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.34*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.06	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.83*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.00	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.74*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.90	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.12*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.02	284.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.59*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.07	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.17*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.65	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.20*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.98	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.25*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.23	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.53*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	591.57	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.21*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.12	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.97*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	753.03	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.08*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.96	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.76	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.96*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.53	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.78*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.90	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.43*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.74	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.91*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.46	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.62*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	891.21	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.84*	
26 05 36 00-0624		**12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.21	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.17*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.46	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.18*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.27	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.18*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.21	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.30*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	815.68	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.90*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	900.45	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.71*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,019.16	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.70*	
26 05 36 00-0632		**24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.31	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.66*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.79	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.03*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.63	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.24*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	869.67	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.30*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	967.69	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.61*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,039.73	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.76*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,248.23	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.45*	
26 05 36 00-0640		**36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.63	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.12*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.64	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.14*	
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,000.81	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.41*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.96	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,253.87	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.82*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,358.80	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.51*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,540.83	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.80*	
26 05 36 00-0648		12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.27	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.77*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.39	230.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.75*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.20	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.77*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	736.74	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.01*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	761.41	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.50*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	827.63	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.84*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	895.39	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.87*	
26 05 36 00-0656		24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	928.62	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.92*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	952.81	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.51*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	978.43	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.18*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,035.48	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.80*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,074.47	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.52*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,144.80	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.81*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,240.24	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.87*	
26 05 36 00-0664		36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,423.26	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.66*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,455.64	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.92*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,490.59	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.31*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,553.03	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.08*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,594.76	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.81*	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,703.06	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.15*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,804.12	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.85*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0672			12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0673		EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.92	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.27*	
26 05 36 00-0674		EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.23	314.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.60*	
26 05 36 00-0675		EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.68	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.10*	
26 05 36 00-0676		EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	854.17	352.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.08*	
26 05 36 00-0677		EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	962.59	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.04*	
26 05 36 00-0678		EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,068.74	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.31*	
26 05 36 00-0679		EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,165.95	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.22*	
26 05 36 00-0680			24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0681		EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	967.38	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.07*	
26 05 36 00-0682		EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.59	352.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.02*	
26 05 36 00-0683		EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.82	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.13*	
26 05 36 00-0684		EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,132.30	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.01*	
26 05 36 00-0685		EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,266.23	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.25*	
26 05 36 00-0686		EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,363.10	498.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.77*	
26 05 36 00-0687		EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,522.83	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.00*	
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0689		EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,201.67	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.01*	
26 05 36 00-0690		EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,268.57	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.64*	
26 05 36 00-0691		EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,341.29	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.56*	
26 05 36 00-0692		EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,461.65	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.79*	
26 05 36 00-0693		EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,677.10	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.42*	
26 05 36 00-0694		EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,831.08	597.21
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.34*	
26 05 36 00-0695		EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,008.71	665.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.43*	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0697		EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	807.96	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	849.06	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.67*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	907.50	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.08*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	974.72	352.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.12*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,096.81	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.46*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,229.90	426.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.41*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,344.36	459.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.11*	

26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,153.67	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.70*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,205.66	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.23*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,260.68	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.91*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,342.88	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.07*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,490.70	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.70*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,602.61	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.72*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,800.52	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.77*	

26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,462.01	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.04*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,540.48	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.83*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,624.77	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.91*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,774.05	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.03*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,024.22	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.14*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,207.13	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.94*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,413.69	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.93*	

26 05 36 00-0720 Dropout Or End Plates And Reducers *(26 05 36 00-0002)*

26 05 36 00-0721 Straight Reducers *(26 05 36 00-0720)*

26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	284.75	91.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.81*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	300.28	99.57
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.73*	
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	325.89	114.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.01*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	358.73	132.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.79*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	389.25	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.46*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0727		EA	36" To 30" Reducer, Steel Cable Tray	441.93	170.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.95*	
26 05 36 00-0728			**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729		EA	18" To 6" Reducer, Steel Cable Tray	331.72	115.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.59*	
26 05 36 00-0730		EA	24" To 12" Reducer, Steel Cable Tray	364.77	133.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.38*	
26 05 36 00-0731		EA	30" To 12" Reducer, Steel Cable Tray	400.48	149.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.60*	
26 05 36 00-0732		EA	30" To 18" Reducer, Steel Cable Tray	405.99	149.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.16*	
26 05 36 00-0733		EA	36" To 12" Reducer, Steel Cable Tray	444.79	170.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.24*	
26 05 36 00-0734		EA	36" To 18" Reducer, Steel Cable Tray	457.98	175.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.18*	
26 05 36 00-0735		EA	36" To 24" Reducer, Steel Cable Tray	473.04	180.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.22*	
26 05 36 00-0736			**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737		EA	6" Dropout Or End Plate, Steel Cable Tray	77.02	37.39
26 05 36 00-0738		EA	9" Dropout Or End Plate, Steel Cable Tray	88.44	42.75
26 05 36 00-0739		EA	12" Dropout Or End Plate, Steel Cable Tray	95.50	45.99
26 05 36 00-0740		EA	18" Dropout Or End Plate, Steel Cable Tray	112.73	54.34
26 05 36 00-0741		EA	24" Dropout Or End Plate, Steel Cable Tray	126.56	59.82
26 05 36 00-0742		EA	30" Dropout Or End Plate, Steel Cable Tray	140.23	66.42
26 05 36 00-0743		EA	36" Dropout Or End Plate, Steel Cable Tray	158.34	74.78
26 05 36 00-0744			**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745			**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746			**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747		LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	132.54	8.73
			For Class 12C Instead Of Class 12B, Add	*18.42*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.52*	
			For 6" Overall Height Instead Of 4-5/8", Add	*6.63*	
26 05 36 00-0748		LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	140.17	9.22
			For Class 12C Instead Of Class 12B, Add	*19.49*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.25*	
			For 6" Overall Height Instead Of 4-5/8", Add	*7.01*	
26 05 36 00-0749		LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	147.80	9.60
			For Class 12C Instead Of Class 12B, Add	*20.57*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.98*	
			For 6" Overall Height Instead Of 4-5/8", Add	*7.39*	
26 05 36 00-0750		LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	164.25	10.47
			For Class 12C Instead Of Class 12B, Add	*22.88*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.55*	
			For 6" Overall Height Instead Of 4-5/8", Add	*8.21*	
26 05 36 00-0751		LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	190.05	11.21
			For Class 12C Instead Of Class 12B, Add	*26.65*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.08*	
			For 6" Overall Height Instead Of 4-5/8", Add	*9.50*	
26 05 36 00-0752		LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	208.58	11.97
			For Class 12C Instead Of Class 12B, Add	*29.30*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.86*	
			For 6" Overall Height Instead Of 4-5/8", Add	*10.43*	
26 05 36 00-0753		LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	224.90	12.71
			For Class 12C Instead Of Class 12B, Add	*31.61*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.43*	
			For 6" Overall Height Instead Of 4-5/8", Add	*11.25*	
26 05 36 00-0754			**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755		LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	121.81	8.73
			For Class 12C Instead Of Class 12B, Add	*16.81*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.45*	
			For 6" Overall Height Instead Of 4-5/8", Add	*6.09*	
26 05 36 00-0756		LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	128.82	9.22
			For Class 12C Instead Of Class 12B, Add	*17.79*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*6.44*	
26 05 36 00-0757		LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	135.82	9.60
			For Class 12C Instead Of Class 12B, Add	*18.77*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.78*	
			For 6" Overall Height Instead Of 4-5/8", Add	*6.79*	
26 05 36 00-0758		LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	150.92	10.47
			For Class 12C Instead Of Class 12B, Add	*20.88*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	174.47	11.21
		For Class 12C Instead Of Class 12B, Add	*24.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.72*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	191.43	11.97
		For Class 12C Instead Of Class 12B, Add	*26.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.57*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	206.39	12.71
		For Class 12C Instead Of Class 12B, Add	*28.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.32*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	108.13	8.35
		For Class 12C Instead Of Class 12B, Add	*14.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.41*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	109.26	8.73
		For Class 12C Instead Of Class 12B, Add	*14.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.46*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	117.29	9.22
		For Class 12C Instead Of Class 12B, Add	*16.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.86*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	125.21	9.84
		For Class 12C Instead Of Class 12B, Add	*17.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.26*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	142.53	10.22
		For Class 12C Instead Of Class 12B, Add	*19.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.13*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	158.03	10.96
		For Class 12C Instead Of Class 12B, Add	*21.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.90*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	167.48	11.97
		For Class 12C Instead Of Class 12B, Add	*23.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.37*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	106.07	8.10
		For Class 12C Instead Of Class 12B, Add	*14.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.30*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	107.08	8.35
		For Class 12C Instead Of Class 12B, Add	*14.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.35*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	111.04	8.85
		For Class 12C Instead Of Class 12B, Add	*15.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.55*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	117.65	9.35
		For Class 12C Instead Of Class 12B, Add	*16.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.88*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	129.38	9.47
		For Class 12C Instead Of Class 12B, Add	*17.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.47*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	138.74	10.47
		For Class 12C Instead Of Class 12B, Add	*19.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.94*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	146.48	11.34
		For Class 12C Instead Of Class 12B, Add	*20.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.32*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	105.18	7.85
		For Class 12C Instead Of Class 12B, Add	*14.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.26*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	104.62	8.23
		For Class 12C Instead Of Class 12B, Add	*14.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	110.42	8.48
		For Class 12C Instead Of Class 12B, Add	*15.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.52*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	116.38	8.97
		For Class 12C Instead Of Class 12B, Add	*15.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.82*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	124.46	9.10
		For Class 12C Instead Of Class 12B, Add	*17.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.22*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	129.50	9.97
		For Class 12C Instead Of Class 12B, Add	*17.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.48*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	136.32	10.84
		For Class 12C Instead Of Class 12B, Add	*18.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.82*	
26 05 36 00-0786		**4" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-0787		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	352.49	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.62*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	385.17	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.26*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	437.51	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.88*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	518.69	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.93*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	613.77	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.69*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	674.64	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.73*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	788.80	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.44*	
26 05 36 00-0795		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	472.24	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.61*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	515.59	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.78*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	556.25	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.81*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	646.94	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.35*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	731.18	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.56*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	816.14	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.81*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	933.45	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.67*	
26 05 36 00-0803		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	507.56	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.38*	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	550.47	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.52*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	614.67	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.73*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	730.60	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	842.25	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.11*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	947.59	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.38*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,100.46	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.02*	
26 05 36 00-0811		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	245.88	90.60
		For 60 Degree Bend, Deduct	*-46.42*	
		For 30 Degree Bend, Deduct	*-82.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.29*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	279.62	108.67
		For 60 Degree Bend, Deduct	*-50.64*	
		For 30 Degree Bend, Deduct	*-90.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.98*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	309.95	124.63
		For 60 Degree Bend, Deduct	*-54.51*	
		For 30 Degree Bend, Deduct	*-97.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.50*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	382.96	157.53
		For 60 Degree Bend, Deduct	*-66.01*	
		For 30 Degree Bend, Deduct	*-118.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.15*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	471.22	192.92
		For 60 Degree Bend, Deduct	*-81.55*	
		For 30 Degree Bend, Deduct	*-146.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.56*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	540.75	221.47
		For 60 Degree Bend, Deduct	*-93.54*	
		For 30 Degree Bend, Deduct	*-168.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.04*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	612.23	259.97
		For 60 Degree Bend, Deduct	*-102.37*	
		For 30 Degree Bend, Deduct	*-185.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.61*	
26 05 36 00-0819		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	283.49	93.47
		For 60 Degree Bend, Deduct	*-57.74*	
		For 30 Degree Bend, Deduct	*-101.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.17*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	330.19	112.66
		For 60 Degree Bend, Deduct	*-65.77*	
		For 30 Degree Bend, Deduct	*-115.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.51*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	362.86	130.11
		For 60 Degree Bend, Deduct	*-69.88*	
		For 30 Degree Bend, Deduct	*-123.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.14*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	433.94	166.13
		For 60 Degree Bend, Deduct	*-79.50*	
		For 30 Degree Bend, Deduct	*-141.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.70*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	526.45	206.38
		For 60 Degree Bend, Deduct	*-94.63*	
		For 30 Degree Bend, Deduct	*-169.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.32*	
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	618.00	239.40
		For 60 Degree Bend, Deduct	*-112.18*	
		For 30 Degree Bend, Deduct	*-200.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.90*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	704.97	285.02
		For 60 Degree Bend, Deduct	*-123.40*	
		For 30 Degree Bend, Deduct	*-221.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.25*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0827			**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0828		EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	332.29	96.46
			For 60 Degree Bend, Deduct	*-72.70*	
			For 30 Degree Bend, Deduct	*-126.52*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.19*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.61*	
26 05 36 00-0829		EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	370.47	117.15
			For 60 Degree Bend, Deduct	*-77.35*	
			For 30 Degree Bend, Deduct	*-135.43*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.29*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.52*	
26 05 36 00-0830		EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	405.50	135.97
			For 60 Degree Bend, Deduct	*-81.70*	
			For 30 Degree Bend, Deduct	*-143.72*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.28*	
26 05 36 00-0831		EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	490.54	175.98
			For 60 Degree Bend, Deduct	*-94.40*	
			For 30 Degree Bend, Deduct	*-167.11*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.39*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.53*	
26 05 36 00-0832		EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	610.12	221.47
			For 60 Degree Bend, Deduct	*-116.44*	
			For 30 Degree Bend, Deduct	*-206.36*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.55*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.51*	
26 05 36 00-0833		EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	688.90	259.97
			For 60 Degree Bend, Deduct	*-127.67*	
			For 30 Degree Bend, Deduct	*-227.23*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.45*	
26 05 36 00-0834		EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	805.66	314.69
			For 60 Degree Bend, Deduct	*-145.23*	
			For 30 Degree Bend, Deduct	*-259.53*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.34*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.28*	
26 05 36 00-0835			**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0836		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	387.01	124.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.32*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.35*	
26 05 36 00-0837		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	426.37	142.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.32*	
26 05 36 00-0838		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	454.59	157.41
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.35*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.73*	
26 05 36 00-0839		EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	520.38	192.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.96*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.02*	
26 05 36 00-0840		EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	577.78	221.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.32*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.89*	
26 05 36 00-0841		EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	633.83	249.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.61*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.69*	
26 05 36 00-0842		EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	699.16	284.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.20*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.96*	
26 05 36 00-0843			**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0844		EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.63	129.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.53*	
26 05 36 00-0845		EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	451.37	149.55
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.67*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.57*	
26 05 36 00-0846		EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	483.95	166.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.55*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.20*	
26 05 36 00-0847		EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	562.31	206.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.04*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.12*	
26 05 36 00-0848		EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	630.39	239.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.52*	
26 05 36 00-0849		EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	697.35	271.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	785.32	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.27*	
26 05 36 00-0851		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	526.34	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.32*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	568.69	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.43*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	619.37	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.97*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	708.17	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.41*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	785.39	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.27*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	876.65	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.83*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	980.10	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.01*	
26 05 36 00-0859		**12" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	605.75	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.29*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	653.70	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.69*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	676.62	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.83*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	766.34	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.32*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	848.36	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.42*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.18	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.46*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,074.55	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.73*	
26 05 36 00-0867		**24" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	785.92	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.30*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	847.88	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.39*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	881.61	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.08*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	970.41	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.52*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,077.43	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.87*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,162.70	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.14*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,530.22	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.51*	
26 05 36 00-0875		**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	973.32	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.67*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,036.46	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.82*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0878		EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,112.80	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.61*	
			For 6" Overall Height Instead Of 4-5/8", Add	*55.64*	
26 05 36 00-0879		EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,213.04	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.15*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.65*	
26 05 36 00-0880		EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,362.27	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.66*	
			For 6" Overall Height Instead Of 4-5/8", Add	*68.11*	
26 05 36 00-0881		EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,591.24	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.75*	
			For 6" Overall Height Instead Of 4-5/8", Add	*79.56*	
26 05 36 00-0882		EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,821.10	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.82*	
			For 6" Overall Height Instead Of 4-5/8", Add	*91.06*	
26 05 36 00-0883			**12" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0884		EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	833.61	221.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.90*	
			For 6" Overall Height Instead Of 4-5/8", Add	*41.68*	
26 05 36 00-0885		EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	861.73	230.18
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.09*	
26 05 36 00-0886		EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	880.36	239.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*44.02*	
26 05 36 00-0887		EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	924.92	259.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.83*	
			For 6" Overall Height Instead Of 4-5/8", Add	*46.25*	
26 05 36 00-0888		EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	985.13	271.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.87*	
			For 6" Overall Height Instead Of 4-5/8", Add	*49.26*	
26 05 36 00-0889		EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,040.95	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.17*	
			For 6" Overall Height Instead Of 4-5/8", Add	*52.05*	
26 05 36 00-0890		EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,112.80	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.61*	
			For 6" Overall Height Instead Of 4-5/8", Add	*55.64*	
26 05 36 00-0891			**24" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0892		EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,185.48	239.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.60*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.27*	
26 05 36 00-0893		EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,212.13	249.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.44*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.61*	
26 05 36 00-0894		EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,240.21	259.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.35*	
			For 6" Overall Height Instead Of 4-5/8", Add	*62.01*	
26 05 36 00-0895		EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,305.56	285.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*65.28*	
26 05 36 00-0896		EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,349.46	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.02*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.47*	
26 05 36 00-0897		EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,424.70	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.80*	
			For 6" Overall Height Instead Of 4-5/8", Add	*71.24*	
26 05 36 00-0898		EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,572.41	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.08*	
			For 6" Overall Height Instead Of 4-5/8", Add	*78.62*	
26 05 36 00-0899			**36" Radius Vertical Tee** *(26 05 36 00-0786)*		
26 05 36 00-0900		EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,929.62	259.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.30*	
			For 6" Overall Height Instead Of 4-5/8", Add	*96.48*	
26 05 36 00-0901		EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,968.57	271.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*98.43*	
26 05 36 00-0902		EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,010.09	285.02
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.26*	
			For 6" Overall Height Instead Of 4-5/8", Add	*100.50*	
26 05 36 00-0903		EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,079.13	314.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.69*	
			For 6" Overall Height Instead Of 4-5/8", Add	*103.96*	
26 05 36 00-0904		EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,127.44	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.07*	
			For 6" Overall Height Instead Of 4-5/8", Add	*106.37*	
26 05 36 00-0905		EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,255.44	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-194.39*	
			For 6" Overall Height Instead Of 4-5/8", Add	*112.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,363.07	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-200.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*118.15*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	786.68	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.33*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	843.21	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.16*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	875.48	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.77*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	976.64	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.83*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,067.77	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.39*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,185.98	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.30*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,360.70	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.04*	
26 05 36 00-0915		**24" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,106.02	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.30*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,156.32	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.82*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,209.65	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.48*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,281.36	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.07*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,438.68	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.93*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,618.22	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.91*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,793.38	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.67*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,274.07	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.70*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,407.13	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.36*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,498.71	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.94*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,533.61	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.68*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,855.00	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.75*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,046.41	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.32*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,278.42	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*113.92*	
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*		
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	786.68	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.33*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	843.38	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0934		EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	875.38	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.87*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.77*	
26 05 36 00-0935		EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	976.86	352.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.34*	
			For 6" Overall Height Instead Of 4-5/8", Add	*48.84*	
26 05 36 00-0936		EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,067.77	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.56*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.39*	
26 05 36 00-0937		EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,186.31	426.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.05*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.32*	
26 05 36 00-0938		EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,359.76	459.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.65*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.99*	
26 05 36 00-0939			24" Radius Vertical Crosses *(26 05 36 00-0786)*		
26 05 36 00-0940		EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,106.02	332.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.93*	
			For 6" Overall Height Instead Of 4-5/8", Add	*55.30*	
26 05 36 00-0941		EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,156.32	352.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.29*	
			For 6" Overall Height Instead Of 4-5/8", Add	*57.82*	
26 05 36 00-0942		EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,209.65	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.48*	
26 05 36 00-0943		EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,281.36	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.92*	
			For 6" Overall Height Instead Of 4-5/8", Add	*64.07*	
26 05 36 00-0944		EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,438.68	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*71.93*	
26 05 36 00-0945		EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,549.58	498.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.42*	
			For 6" Overall Height Instead Of 4-5/8", Add	*77.48*	
26 05 36 00-0946		EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,716.00	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.31*	
			For 6" Overall Height Instead Of 4-5/8", Add	*85.80*	
26 05 36 00-0947			36" Radius Vertical Crosses *(26 05 36 00-0786)*		
26 05 36 00-0948		EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,566.99	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.54*	
			For 6" Overall Height Instead Of 4-5/8", Add	*78.35*	
26 05 36 00-0949		EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,647.50	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.53*	
			For 6" Overall Height Instead Of 4-5/8", Add	*82.38*	
26 05 36 00-0950		EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,753.50	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.78*	
			For 6" Overall Height Instead Of 4-5/8", Add	*87.68*	
26 05 36 00-0951		EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,878.40	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.47*	
			For 6" Overall Height Instead Of 4-5/8", Add	*93.92*	
26 05 36 00-0952		EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,282.17	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.93*	
			For 6" Overall Height Instead Of 4-5/8", Add	*114.11*	
26 05 36 00-0953		EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,519.35	597.21
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-202.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*125.97*	
26 05 36 00-0954		EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,804.75	665.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-225.04*	
			For 6" Overall Height Instead Of 4-5/8", Add	*140.24*	
26 05 36 00-0955			6" Rung Tray Fittings *(26 05 36 00-0744)*		
26 05 36 00-0956			90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*		
26 05 36 00-0957		EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	331.88	125.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.59*	
26 05 36 00-0958		EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	364.04	142.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.54*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.20*	
26 05 36 00-0959		EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	412.47	157.41
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.13*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.62*	
26 05 36 00-0960		EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	490.52	192.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.98*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.53*	
26 05 36 00-0961		EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	578.82	221.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.42*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	637.61	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.88*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	743.94	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.20*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	435.73	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.79*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	477.51	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.88*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	516.35	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.82*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	603.65	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.18*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	683.72	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.19*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	764.24	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.21*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	875.03	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.75*	
26 05 36 00-0972		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	467.40	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.37*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	509.27	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.46*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	568.77	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.44*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	678.97	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.95*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	783.83	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.19*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	883.43	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.17*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,026.91	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.35*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	232.32	90.60
		For 60 Degree Bend, Deduct	*-41.95*	
		For 30 Degree Bend, Deduct	*-74.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.62*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	265.54	108.67
		For 60 Degree Bend, Deduct	*-45.99*	
		For 30 Degree Bend, Deduct	*-82.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.28*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	295.34	124.63
		For 60 Degree Bend, Deduct	*-49.69*	
		For 30 Degree Bend, Deduct	*-89.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.77*	
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	365.75	157.53
		For 60 Degree Bend, Deduct	*-60.33*	
		For 30 Degree Bend, Deduct	*-109.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.29*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	449.84	192.92
		For 60 Degree Bend, Deduct	*-74.50*	
		For 30 Degree Bend, Deduct	*-134.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	516.23	221.47
		For 60 Degree Bend, Deduct	*-85.45*	
		For 30 Degree Bend, Deduct	*-154.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.81*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	586.67	259.97
		For 60 Degree Bend, Deduct	*-93.94*	
		For 30 Degree Bend, Deduct	*-171.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.33*	
26 05 36 00-0988		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	265.23	93.47
		For 60 Degree Bend, Deduct	*-51.71*	
		For 30 Degree Bend, Deduct	*-91.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.26*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	309.85	112.66
		For 60 Degree Bend, Deduct	*-59.06*	
		For 30 Degree Bend, Deduct	*-104.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.49*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	342.00	130.11
		For 60 Degree Bend, Deduct	*-62.99*	
		For 30 Degree Bend, Deduct	*-112.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.10*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	411.52	166.13
		For 60 Degree Bend, Deduct	*-72.10*	
		For 30 Degree Bend, Deduct	*-129.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.58*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	500.37	206.38
		For 60 Degree Bend, Deduct	*-86.03*	
		For 30 Degree Bend, Deduct	*-154.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.02*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	586.71	239.40
		For 60 Degree Bend, Deduct	*-101.86*	
		For 30 Degree Bend, Deduct	*-183.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.34*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	672.11	285.02
		For 60 Degree Bend, Deduct	*-112.56*	
		For 30 Degree Bend, Deduct	*-203.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.61*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	307.77	96.46
		For 60 Degree Bend, Deduct	*-64.61*	
		For 30 Degree Bend, Deduct	*-113.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.39*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	345.43	117.15
		For 60 Degree Bend, Deduct	*-69.09*	
		For 30 Degree Bend, Deduct	*-121.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.27*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	379.94	135.97
		For 60 Degree Bend, Deduct	*-73.26*	
		For 30 Degree Bend, Deduct	*-129.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.00*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	462.37	175.98
		For 60 Degree Bend, Deduct	*-85.10*	
		For 30 Degree Bend, Deduct	*-151.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.12*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	575.69	221.47
		For 60 Degree Bend, Deduct	*-105.07*	
		For 30 Degree Bend, Deduct	*-187.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.78*	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	652.39	259.97
		For 60 Degree Bend, Deduct	*-115.62*	
		For 30 Degree Bend, Deduct	*-207.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.62*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	765.50	314.69
		For 60 Degree Bend, Deduct	*-131.97*	
		For 30 Degree Bend, Deduct	*-237.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1004		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	372.67	124.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.63*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	411.25	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.56*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	439.20	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.96*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	504.47	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.22*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	561.09	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.05*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	616.36	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.82*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	681.17	284.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.06*	
26 05 36 00-1012		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	395.11	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.76*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	435.20	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.76*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	467.39	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.37*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	544.84	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.24*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	611.87	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.59*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	677.79	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.89*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	764.46	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.22*	
26 05 36 00-1020		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	502.34	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.12*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	544.17	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.21*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	593.29	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.66*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	681.05	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.05*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	757.23	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.86*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	846.40	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.32*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	948.55	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.43*	
26 05 36 00-1028		**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	589.84	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.49*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	636.75	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.84*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	659.40	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	745.74	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.29*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	825.67	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.28*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	902.84	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.14*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,042.99	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.15*	
26 05 36 00-1036		**24" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	758.79	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.94*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	819.19	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.96*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	852.14	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.61*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	938.33	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.92*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,042.49	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.12*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,124.36	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.22*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,471.54	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.58*	
26 05 36 00-1044		**36" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	934.98	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.75*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	997.08	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.85*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,069.77	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.49*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,167.67	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.38*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,312.20	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.61*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,527.87	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.39*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,750.68	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.53*	
26 05 36 00-1052		**12" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	797.89	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.89*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	824.95	230.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.25*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	843.32	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.17*	
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	887.10	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.36*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	944.19	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.21*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	999.22	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.96*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,069.77	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.49*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1060		**24" Radius Vertical Tees** *(26 05 36 00-0955)*			
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,124.98	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-92.55*	
		For 6" Overall Height Instead Of 4-5/8", Add		*56.25*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,150.84	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-94.31*	
		For 6" Overall Height Instead Of 4-5/8", Add		*57.54*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,178.14	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-96.15*	
		For 6" Overall Height Instead Of 4-5/8", Add		*58.91*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,241.67	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-100.42*	
		For 6" Overall Height Instead Of 4-5/8", Add		*62.08*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,284.01	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-103.48*	
		For 6" Overall Height Instead Of 4-5/8", Add		*64.20*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,357.68	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-108.10*	
		For 6" Overall Height Instead Of 4-5/8", Add		*67.88*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,499.39	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-118.78*	
		For 6" Overall Height Instead Of 4-5/8", Add		*74.97*	
26 05 36 00-1068		**36" Radius Vertical Tees** *(26 05 36 00-0955)*			
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,814.52	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-159.79*	
		For 6" Overall Height Instead Of 4-5/8", Add		*90.73*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,851.98	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-162.56*	
		For 6" Overall Height Instead Of 4-5/8", Add		*92.60*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,892.00	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-165.45*	
		For 6" Overall Height Instead Of 4-5/8", Add		*94.60*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,959.54	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-169.73*	
		For 6" Overall Height Instead Of 4-5/8", Add		*97.98*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,006.36	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-172.97*	
		For 6" Overall Height Instead Of 4-5/8", Add		*100.32*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,129.88	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-181.83*	
		For 6" Overall Height Instead Of 4-5/8", Add		*106.49*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,236.01	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-188.03*	
		For 6" Overall Height Instead Of 4-5/8", Add		*111.80*	
26 05 36 00-1076		**12" Radius Horizontal Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		764.51	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-51.53*	
		For 6" Overall Height Instead Of 4-5/8", Add		*38.23*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		818.70	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-55.64*	
		For 6" Overall Height Instead Of 4-5/8", Add		*40.94*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		850.71	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-57.40*	
		For 6" Overall Height Instead Of 4-5/8", Add		*42.54*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		946.65	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-65.33*	
		For 6" Overall Height Instead Of 4-5/8", Add		*47.33*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		1,036.74	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-70.46*	
		For 6" Overall Height Instead Of 4-5/8", Add		*51.84*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		1,149.46	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-79.38*	
		For 6" Overall Height Instead Of 4-5/8", Add		*57.47*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray		1,315.07	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-93.14*	
		For 6" Overall Height Instead Of 4-5/8", Add		*65.75*	
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,063.51	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-78.68*	
		For 6" Overall Height Instead Of 4-5/8", Add		*53.18*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,112.51	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-81.91*	
		For 6" Overall Height Instead Of 4-5/8", Add		*55.63*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray		1,164.54	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-85.30*	
		For 6" Overall Height Instead Of 4-5/8", Add		*58.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,233.89	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.69*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,387.04	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.35*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,494.30	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.72*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,653.67	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.68*	
26 05 36 00-1092		**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,224.00	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.20*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,290.22	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.51*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,374.79	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.74*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,474.67	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.73*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,781.98	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.10*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,965.56	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.28*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,188.44	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*109.42*	
26 05 36 00-1100		**12" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	764.51	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.23*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	818.87	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.94*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	850.61	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.53*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	946.87	352.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.34*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,036.74	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.84*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,149.79	426.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.49*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,314.13	459.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.71*	
26 05 36 00-1108		**24" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,063.51	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.18*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,112.51	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.63*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,164.54	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.23*	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,233.89	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.69*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,387.04	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.35*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,494.30	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.72*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,653.67	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.68*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1116		**36" Radius Vertical Crosses** *(26 05 36 00-0955)*			
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,494.38	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-118.28*	
		For 6" Overall Height Instead Of 4-5/8", Add		*74.72*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,571.87	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-123.97*	
		For 6" Overall Height Instead Of 4-5/8", Add		*78.59*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,673.34	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-131.77*	
		For 6" Overall Height Instead Of 4-5/8", Add		*83.67*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		1,792.93	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-140.92*	
		For 6" Overall Height Instead Of 4-5/8", Add		*89.65*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,176.29	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-172.34*	
		For 6" Overall Height Instead Of 4-5/8", Add		*108.81*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,402.12	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-190.44*	
		For 6" Overall Height Instead Of 4-5/8", Add		*120.11*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray		2,674.29	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-211.99*	
		For 6" Overall Height Instead Of 4-5/8", Add		*133.71*	
26 05 36 00-1124		**9" Rung Tray Fittings** *(26 05 36 00-0744)*			
26 05 36 00-1125		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*			
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		311.28	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-20.71*	
		For 6" Overall Height Instead Of 4-5/8", Add		*15.56*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		342.92	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-22.43*	
		For 6" Overall Height Instead Of 4-5/8", Add		*17.15*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		387.44	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-25.63*	
		For 6" Overall Height Instead Of 4-5/8", Add		*19.37*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		462.36	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-30.16*	
		For 6" Overall Height Instead Of 4-5/8", Add		*23.12*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		543.88	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-35.93*	
		For 6" Overall Height Instead Of 4-5/8", Add		*27.19*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		600.58	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-39.29*	
		For 6" Overall Height Instead Of 4-5/8", Add		*30.03*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray		699.09	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-46.17*	
		For 6" Overall Height Instead Of 4-5/8", Add		*34.95*	
26 05 36 00-1133		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*			
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		399.22	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-29.09*	
		For 6" Overall Height Instead Of 4-5/8", Add		*19.96*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		439.44	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-31.49*	
		For 6" Overall Height Instead Of 4-5/8", Add		*21.97*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		476.45	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.80*	
		For 6" Overall Height Instead Of 4-5/8", Add		*23.82*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		560.35	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-38.84*	
		For 6" Overall Height Instead Of 4-5/8", Add		*28.02*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		636.26	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.68*	
		For 6" Overall Height Instead Of 4-5/8", Add		*31.81*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		712.34	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-48.59*	
		For 6" Overall Height Instead Of 4-5/8", Add		*35.62*	
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		816.61	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-55.43*	
		For 6" Overall Height Instead Of 4-5/8", Add		*40.83*	
26 05 36 00-1141		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*			
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray		427.24	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-31.40*	
		For 6" Overall Height Instead Of 4-5/8", Add		*21.36*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray		468.06	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.70*	
		For 6" Overall Height Instead Of 4-5/8", Add		*23.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1144		EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	522.87	175.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.62*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.14*	
26 05 36 00-1145		EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	627.33	221.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.37*	
26 05 36 00-1146		EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	725.41	259.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.87*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.27*	
26 05 36 00-1147		EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	819.28	299.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.00*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.96*	
26 05 36 00-1148		EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	953.37	351.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.05*	
			For 6" Overall Height Instead Of 4-5/8", Add	*47.67*	
26 05 36 00-1149			45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1150		EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	218.75	90.60
			For 60 Degree Bend, Deduct	*-37.47*	
			For 30 Degree Bend, Deduct	*-67.48*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.33*	
			For 6" Overall Height Instead Of 4-5/8", Add	*10.94*	
26 05 36 00-1151		EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	251.45	108.67
			For 60 Degree Bend, Deduct	*-41.34*	
			For 30 Degree Bend, Deduct	*-74.93*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.09*	
			For 6" Overall Height Instead Of 4-5/8", Add	*12.57*	
26 05 36 00-1152		EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	280.74	124.63
			For 60 Degree Bend, Deduct	*-44.87*	
			For 30 Degree Bend, Deduct	*-81.71*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.69*	
			For 6" Overall Height Instead Of 4-5/8", Add	*14.04*	
26 05 36 00-1153		EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	348.54	157.53
			For 60 Degree Bend, Deduct	*-54.65*	
			For 30 Degree Bend, Deduct	*-99.83*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.73*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.43*	
26 05 36 00-1154		EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	428.45	192.92
			For 60 Degree Bend, Deduct	*-67.44*	
			For 30 Degree Bend, Deduct	*-123.11*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.77*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.42*	
26 05 36 00-1155		EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	491.72	221.47
			For 60 Degree Bend, Deduct	*-77.36*	
			For 30 Degree Bend, Deduct	*-141.24*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.59*	
26 05 36 00-1156		EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	561.12	259.97
			For 60 Degree Bend, Deduct	*-85.50*	
			For 30 Degree Bend, Deduct	*-156.95*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.45*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.06*	
26 05 36 00-1157			45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1158		EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	246.98	93.47
			For 60 Degree Bend, Deduct	*-45.69*	
			For 30 Degree Bend, Deduct	*-81.34*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.91*	
			For 6" Overall Height Instead Of 4-5/8", Add	*12.35*	
26 05 36 00-1159		EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	289.51	112.66
			For 60 Degree Bend, Deduct	*-52.34*	
			For 30 Degree Bend, Deduct	*-93.50*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.56*	
			For 6" Overall Height Instead Of 4-5/8", Add	*14.48*	
26 05 36 00-1160		EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	321.14	130.11
			For 60 Degree Bend, Deduct	*-56.11*	
			For 30 Degree Bend, Deduct	*-100.74*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.06*	
26 05 36 00-1161		EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	389.09	166.13
			For 60 Degree Bend, Deduct	*-64.70*	
			For 30 Degree Bend, Deduct	*-117.07*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.06*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.45*	
26 05 36 00-1162		EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	474.29	206.38
			For 60 Degree Bend, Deduct	*-77.42*	
			For 30 Degree Bend, Deduct	*-140.49*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.71*	
26 05 36 00-1163		EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	555.41	239.40
			For 60 Degree Bend, Deduct	*-91.53*	
			For 30 Degree Bend, Deduct	*-165.85*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.59*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	639.25	285.02
		For 60 Degree Bend, Deduct	*-101.71*	
		For 30 Degree Bend, Deduct	*-185.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.96*	

26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	283.26	96.46
		For 60 Degree Bend, Deduct	*-56.52*	
		For 30 Degree Bend, Deduct	*-99.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.16*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	320.40	117.15
		For 60 Degree Bend, Deduct	*-60.83*	
		For 30 Degree Bend, Deduct	*-107.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.02*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	354.39	135.97
		For 60 Degree Bend, Deduct	*-64.83*	
		For 30 Degree Bend, Deduct	*-115.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.72*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	434.21	175.98
		For 60 Degree Bend, Deduct	*-75.81*	
		For 30 Degree Bend, Deduct	*-136.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.71*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	541.27	221.47
		For 60 Degree Bend, Deduct	*-93.71*	
		For 30 Degree Bend, Deduct	*-168.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.06*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	615.88	259.97
		For 60 Degree Bend, Deduct	*-103.57*	
		For 30 Degree Bend, Deduct	*-187.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.79*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	725.34	314.69
		For 60 Degree Bend, Deduct	*-118.72*	
		For 30 Degree Bend, Deduct	*-215.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.27*	

26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	351.15	124.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.56*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	388.56	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.43*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	416.13	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.81*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	480.61	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.03*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	536.05	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.80*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	590.15	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.51*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	654.17	284.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.71*	

26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	371.84	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.59*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.95	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.55*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	442.55	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.13*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	518.63	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.93*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	584.10	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	648.45	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.42*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	733.16	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.66*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	466.36	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.32*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	507.40	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.37*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.17	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.71*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	640.37	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.02*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	714.98	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.75*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	801.02	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.05*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	901.21	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.06*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	558.02	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.90*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	602.84	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.14*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	624.98	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.25*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	704.53	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.23*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	780.30	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.02*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	850.16	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.51*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	979.88	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.99*	
26 05 36 00-1205		**24" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	704.55	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.23*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	761.82	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.09*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	793.20	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.66*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	874.18	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.71*	
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	972.60	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.63*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,047.69	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.38*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,354.18	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.71*	
26 05 36 00-1213		**36" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	858.31	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	918.32	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.92*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	983.71	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.19*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,076.91	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.85*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,212.05	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.60*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,401.13	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.06*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,609.86	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.49*	
26 05 36 00-1221		**12" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	726.43	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.32*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	751.41	230.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.57*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.26	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.46*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	811.47	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.57*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	862.30	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.12*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	915.77	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.79*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	983.71	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.19*	
26 05 36 00-1229		**24" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,003.97	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.20*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,028.27	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.41*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,054.01	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.70*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,113.88	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.69*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,153.09	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.65*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.64	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.18*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,353.35	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.67*	
26 05 36 00-1237		**36" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,584.32	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.22*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,618.79	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.94*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,655.83	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.79*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,720.38	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.02*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,764.20	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,878.76	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.94*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,981.90	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.10*	
26 05 36 00-1245		**12" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	720.18	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.01*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.67	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.48*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.16	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.06*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	886.67	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.33*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	974.67	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.73*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,076.44	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.82*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,223.79	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.19*	
26 05 36 00-1253		**24" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	978.50	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.93*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,024.88	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.24*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,074.30	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.72*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,138.97	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.95*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,283.77	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.19*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,383.72	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.19*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,529.01	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.45*	
26 05 36 00-1261		**36" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,123.85	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.19*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,185.91	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.30*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,264.21	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.21*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,356.79	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.84*	
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,635.94	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.80*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,803.87	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.19*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,008.50	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.43*	
26 05 36 00-1269		**12" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	720.18	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.67	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.48*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	801.16	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.06*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	886.67	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.33*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	974.67	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.73*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,076.44	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.82*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,221.91	459.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.10*	
26 05 36 00-1277		**24" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	978.50	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.93*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,024.88	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.24*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,074.30	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.72*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,138.97	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.95*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,283.77	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.19*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,383.72	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.19*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,529.01	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.45*	
26 05 36 00-1285		**36" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,349.18	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.46*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,420.62	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.03*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,513.00	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.65*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,622.01	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.10*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,964.53	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.23*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,167.67	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*108.38*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,413.37	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*120.67*	
26 05 36 00-1293		**12" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1294		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	304.07	125.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.20*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	335.53	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.78*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	378.68	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.93*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	452.50	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	531.65	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.58*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	587.62	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.38*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	683.39	284.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.17*	
26 05 36 00-1302		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	386.44	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.32*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	426.11	149.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.31*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	462.49	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.12*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	545.20	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.26*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	619.65	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.98*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	694.18	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.71*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	796.17	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.81*	
26 05 36 00-1310		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	413.18	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.66*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	453.64	157.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.68*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	506.81	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.34*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	609.26	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.46*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	704.97	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.25*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	796.83	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.84*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	927.63	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.38*	
26 05 36 00-1318		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	214.01	90.60
		For 60 Degree Bend, Deduct	*-35.90*	
		For 30 Degree Bend, Deduct	*-64.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.70*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	246.52	108.67
		For 60 Degree Bend, Deduct	*-39.71*	
		For 30 Degree Bend, Deduct	*-72.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.33*	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	275.63	124.63
		For 60 Degree Bend, Deduct	*-43.18*	
		For 30 Degree Bend, Deduct	*-78.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.78*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	342.52	157.53
		For 60 Degree Bend, Deduct	*-52.66*	
		For 30 Degree Bend, Deduct	*-96.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.13*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	420.97	192.92
		For 60 Degree Bend, Deduct	*-64.97*	
		For 30 Degree Bend, Deduct	*-119.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	483.14	221.47
		For 60 Degree Bend, Deduct	*-74.53*	
		For 30 Degree Bend, Deduct	*-136.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.16*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	552.17	259.97
		For 60 Degree Bend, Deduct	*-82.55*	
		For 30 Degree Bend, Deduct	*-152.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.61*	

26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	240.59	93.47
		For 60 Degree Bend, Deduct	*-43.58*	
		For 30 Degree Bend, Deduct	*-77.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.03*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	282.39	112.66
		For 60 Degree Bend, Deduct	*-49.99*	
		For 30 Degree Bend, Deduct	*-89.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.12*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	313.83	130.11
		For 60 Degree Bend, Deduct	*-53.70*	
		For 30 Degree Bend, Deduct	*-96.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.69*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	381.24	166.13
		For 60 Degree Bend, Deduct	*-62.11*	
		For 30 Degree Bend, Deduct	*-112.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.06*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	465.17	206.38
		For 60 Degree Bend, Deduct	*-74.41*	
		For 30 Degree Bend, Deduct	*-135.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.26*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	544.46	239.40
		For 60 Degree Bend, Deduct	*-87.92*	
		For 30 Degree Bend, Deduct	*-159.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.22*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	627.75	285.02
		For 60 Degree Bend, Deduct	*-97.92*	
		For 30 Degree Bend, Deduct	*-179.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.39*	

26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	274.68	96.46
		For 60 Degree Bend, Deduct	*-53.69*	
		For 30 Degree Bend, Deduct	*-94.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.73*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	311.64	117.15
		For 60 Degree Bend, Deduct	*-57.94*	
		For 30 Degree Bend, Deduct	*-103.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.58*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	345.44	135.97
		For 60 Degree Bend, Deduct	*-61.88*	
		For 30 Degree Bend, Deduct	*-110.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.27*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	424.35	175.98
		For 60 Degree Bend, Deduct	*-72.56*	
		For 30 Degree Bend, Deduct	*-130.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.22*	
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	529.22	221.47
		For 60 Degree Bend, Deduct	*-89.74*	
		For 30 Degree Bend, Deduct	*-161.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.46*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	603.10	259.97
		For 60 Degree Bend, Deduct	*-99.36*	
		For 30 Degree Bend, Deduct	*-180.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.16*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	711.28	314.69
		For 60 Degree Bend, Deduct	*-114.08*	
		For 30 Degree Bend, Deduct	*-207.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.56*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1342		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	336.81	124.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.84*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	373.43	142.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.67*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	400.74	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.04*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	464.70	192.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.24*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	519.36	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.97*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	572.68	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.63*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	636.18	284.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.81*	
26 05 36 00-1350		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	356.32	129.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.82*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	394.78	149.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.74*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	425.99	166.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.30*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	501.16	206.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.06*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	565.58	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.28*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	628.89	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.44*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	712.30	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.62*	
26 05 36 00-1358		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	442.36	135.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.12*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	482.89	157.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.14*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	528.09	175.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.40*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	613.25	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.66*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	686.82	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.34*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	770.77	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.54*	
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	869.66	351.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.48*	
26 05 36 00-1366		**12" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	542.11	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.11*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	585.89	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.29*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	607.77	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	683.93	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.20*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	757.61	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.88*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	823.82	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.19*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	948.33	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.42*	
26 05 36 00-1374		**24" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	677.43	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.87*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	733.13	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.66*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	763.73	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.19*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	842.10	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.11*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	937.65	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.88*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,009.35	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.47*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,295.51	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.78*	
26 05 36 00-1382		**36" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	819.97	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.00*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	878.94	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.95*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	940.68	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.03*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,031.53	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.58*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,161.98	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.10*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,337.75	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.89*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,539.45	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.97*	
26 05 36 00-1390		**12" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.70	221.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.54*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	714.64	230.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.73*	
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	732.23	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.61*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	773.66	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.68*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	821.35	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.07*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	874.05	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.70*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	940.68	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.03*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1398		**24" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	943.47	239.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.17*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	966.99	249.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.35*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	991.94	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.60*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,049.99	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.50*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,087.63	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.38*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,156.61	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.83*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,280.33	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.02*	
26 05 36 00-1406		**36" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,469.22	259.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.46*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,502.20	271.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.11*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,537.74	285.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.89*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,600.79	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.04*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,643.12	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.16*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,753.20	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.66*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,854.85	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.74*	
26 05 36 00-1414		**12" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	698.01	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.90*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	745.16	314.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.26*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	776.38	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.82*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	856.68	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.83*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	943.63	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.18*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,039.93	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.00*	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,178.15	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.91*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	935.99	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.80*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	981.07	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.05*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,029.19	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,091.50	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.58*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,232.14	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.61*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,328.43	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.42*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,466.69	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.33*	
26 05 36 00-1430		**36" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,073.78	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.69*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,133.75	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.69*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,208.92	426.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.45*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,297.85	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.89*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,562.92	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.15*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,723.03	597.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.15*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,918.53	665.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.93*	
26 05 36 00-1438		**12" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	698.01	299.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.90*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	745.33	314.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.27*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	776.28	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.81*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	856.90	352.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.85*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	943.63	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.18*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,040.26	426.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.01*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,177.21	459.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.86*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	935.99	332.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.80*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	981.07	352.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.05*	
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,029.19	373.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.46*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,091.50	398.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.58*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,232.14	460.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.61*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,328.43	498.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.42*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,466.69	543.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.33*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1454			36" Radius Vertical Crosses *(26 05 36 00-1293)*		
26 05 36 00-1455		EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,276.57	373.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*63.83*	
26 05 36 00-1456		EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,344.99	398.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.25*	
26 05 36 00-1457		EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,432.84	426.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.72*	
			For 6" Overall Height Instead Of 4-5/8", Add	*71.64*	
26 05 36 00-1458		EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,536.55	460.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*76.83*	
26 05 36 00-1459		EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,858.65	543.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*92.93*	
26 05 36 00-1460		EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,050.45	597.21
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.27*	
			For 6" Overall Height Instead Of 4-5/8", Add	*102.52*	
26 05 36 00-1461		EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,282.92	665.26
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.85*	
			For 6" Overall Height Instead Of 4-5/8", Add	*114.15*	
26 05 36 00-1462			Dropout Or End Plates And Reducers *(26 05 36 00-0744)*		
26 05 36 00-1463			Straight Reducers *(26 05 36 00-1462)*		
26 05 36 00-1464		EA	9" To 6" Reducer, Aluminum Cable Tray	270.68	91.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*13.53*	
26 05 36 00-1465		EA	12" To 9" Reducer, Aluminum Cable Tray	285.96	99.57
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.30*	
			For 6" Overall Height Instead Of 4-5/8", Add	*14.30*	
26 05 36 00-1466		EA	18" To 12" Reducer, Aluminum Cable Tray	314.18	114.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.84*	
			For 6" Overall Height Instead Of 4-5/8", Add	*15.71*	
26 05 36 00-1467		EA	24" To 18" Reducer, Aluminum Cable Tray	346.78	132.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.60*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.34*	
26 05 36 00-1468		EA	30" To 24" Reducer, Aluminum Cable Tray	377.05	149.55
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.24*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.85*	
26 05 36 00-1469		EA	36" To 30" Reducer, Aluminum Cable Tray	420.41	170.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.80*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.02*	
26 05 36 00-1470			Reducers *(26 05 36 00-1462)*		
26 05 36 00-1471		EA	18" To 6" Reducer, Aluminum Cable Tray	314.30	115.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.84*	
			For 6" Overall Height Instead Of 4-5/8", Add	*15.72*	
26 05 36 00-1472		EA	24" To 12" Reducer, Aluminum Cable Tray	347.10	133.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.61*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.36*	
26 05 36 00-1473		EA	30" To 12" Reducer, Aluminum Cable Tray	376.85	149.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.84*	
26 05 36 00-1474		EA	30" To 18" Reducer, Aluminum Cable Tray	379.25	149.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.48*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.96*	
26 05 36 00-1475		EA	36" To 12" Reducer, Aluminum Cable Tray	417.80	170.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.54*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.89*	
26 05 36 00-1476		EA	36" To 18" Reducer, Aluminum Cable Tray	427.89	175.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.18*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.39*	
26 05 36 00-1477		EA	36" To 24" Reducer, Aluminum Cable Tray	442.45	180.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.12*	
26 05 36 00-1478			Dropout Or End Plate *(26 05 36 00-1462)*		
26 05 36 00-1479		EA	6" Dropout Or End Plate, Aluminum Cable Tray	77.83	37.39
26 05 36 00-1480		EA	9" Dropout Or End Plate, Aluminum Cable Tray	87.72	42.75
26 05 36 00-1481		EA	12" Dropout Or End Plate, Aluminum Cable Tray	94.63	45.99
26 05 36 00-1482		EA	18" Dropout Or End Plate, Aluminum Cable Tray	114.71	54.34
26 05 36 00-1483		EA	24" Dropout Or End Plate, Aluminum Cable Tray	128.00	59.82
26 05 36 00-1484		EA	30" Dropout Or End Plate, Aluminum Cable Tray	144.44	66.42
26 05 36 00-1485		EA	36" Dropout Or End Plate, Aluminum Cable Tray	162.05	74.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-1486 **Solid Bottom Cable Tray** *(26 05 36 00-0001)*
Note: 3-5/8" Height.

26 05 36 00-1487 **Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*

26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	32.52	9.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.25*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	40.53	11.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.09*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	53.99	17.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.23*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	62.47	19.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.08*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	74.87	23.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.26*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	95.80	27.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*9.83*	

26 05 36 00-1494 **Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*

26 05 36 00-1495 **90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*

26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	330.65	124.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.81*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	430.09	175.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.26*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	526.33	221.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.03*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	645.10	272.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.41*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	753.82	315.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.53*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	847.09	352.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.39*	

26 05 36 00-1502 **90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*

26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	390.90	129.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.98*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	515.73	187.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.17*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	634.72	239.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.31*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	773.58	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.19*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	907.39	351.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.54*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,025.36	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.37*	

26 05 36 00-1509 **90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*

26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	481.53	135.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.62*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	620.23	199.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.75*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	785.15	260.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.38*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	934.09	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.77*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,121.14	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*101.74*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,278.83	459.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.27*	

26 05 36 00-1516 **45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*

26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	300.09	124.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.21*	
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	395.70	175.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.10*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	486.61	221.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.12*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	596.54	271.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.20*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	696.72	315.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.97*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	780.91	351.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.57*	

26 05 36 00-1523 **45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*

26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	347.45	129.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.45*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1525		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	464.46	186.94
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.51*	
26 05 36 00-1526		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	576.28	239.66
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.50*	
26 05 36 00-1527		EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	704.81	299.10
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.87*	
26 05 36 00-1528		EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	828.06	352.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.53*	
26 05 36 00-1529		EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	935.10	398.56
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.83*	
26 05 36 00-1530			**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1531		EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	418.00	135.84
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.06*	
26 05 36 00-1532		EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	517.42	181.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.42*	
26 05 36 00-1533		EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	697.34	260.35
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.21*	
26 05 36 00-1534		EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	839.90	332.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.55*	
26 05 36 00-1535		EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,006.94	398.56
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.61*	
26 05 36 00-1536		EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,152.39	460.50
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.12*	
26 05 36 00-1537			**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1538		EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	357.12	124.38
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.84*	
26 05 36 00-1539		EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	449.73	175.48
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.20*	
26 05 36 00-1540		EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	528.79	221.47
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.40*	
26 05 36 00-1541		EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	640.19	272.06
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.68*	
26 05 36 00-1542		EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	724.35	315.31
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.11*	
26 05 36 00-1543		EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	791.96	351.45
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.23*	
26 05 36 00-1544			**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1545		EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	427.74	129.86
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.51*	
26 05 36 00-1546		EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	542.74	187.06
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.22*	
26 05 36 00-1547		EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	649.45	239.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.52*	
26 05 36 00-1548		EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	771.12	299.10
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.82*	
26 05 36 00-1549		EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	873.01	351.45
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.39*	
26 05 36 00-1550		EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	978.70	398.56
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.37*	
26 05 36 00-1551			**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1552		EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	513.46	135.72
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.41*	
26 05 36 00-1553		EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	624.22	181.46
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.38*	
26 05 36 00-1554		EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	785.15	260.35
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.38*	
26 05 36 00-1555		EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	939.00	332.00
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.51*	
26 05 36 00-1556		EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,084.30	398.56
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.21*	
26 05 36 00-1557		EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,222.34	459.25
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*106.80*	
26 05 36 00-1558			**12" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1559		EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	570.86	239.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.74*	
26 05 36 00-1560		EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	684.37	298.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.88*	
26 05 36 00-1561		EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	807.80	352.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.49*	
26 05 36 00-1562		EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	961.03	427.72
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.86*	
26 05 36 00-1563		EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,049.85	460.50
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,229.92	543.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.92*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	701.03	259.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.82*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	865.32	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.46*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,010.62	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.16*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,299.94	498.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.91*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,416.58	543.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.91*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,661.38	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*138.33*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	894.92	285.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.74*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,092.23	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*101.52*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,278.26	460.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.00*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,561.48	543.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*143.65*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,710.86	599.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*156.77*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,983.08	747.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*172.83*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	681.38	239.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.31*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	793.23	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.13*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	853.04	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.62*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	914.76	351.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.65*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,015.54	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.90*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,130.90	460.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.89*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	850.85	259.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.29*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	990.58	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.25*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,082.41	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.05*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,145.70	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.42*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,295.45	460.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.58*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,458.33	543.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.18*	
26 05 36 00-1593		**36" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,125.07	284.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.34*	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,286.26	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.63*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,423.58	426.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.40*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,504.21	460.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*148.89*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,765.33	543.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*174.23*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,904.15	597.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*186.08*	
26 05 36 00-1600		**12" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	704.81	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	810.26	352.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.86*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	974.13	426.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.99*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,125.57	498.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.75*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,324.53	597.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.14*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,469.81	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.59*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	930.16	332.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.09*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,084.30	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.21*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,299.94	498.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.91*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,600.34	599.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*140.19*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,759.62	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*153.07*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,933.96	747.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*165.47*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,237.14	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.26*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,442.81	460.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*139.68*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,735.42	599.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*160.45*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,980.66	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*186.22*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,191.84	747.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*204.15*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,429.65	853.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*222.18*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	286.51	99.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.36*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	310.60	112.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.81*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	344.08	129.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.98*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	386.80	149.55
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.09*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	418.90	165.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.19*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	310.71	112.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.82*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	342.08	130.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.63*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	381.68	149.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.35*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	383.94	149.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.71*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	416.44	165.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.82*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	418.90	165.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.19*	
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	421.85	166.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.58*	

26 05 36 00-1635 Dropout Or End Plate *(26 05 36 00-1494)*

26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	87.36	37.39
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	107.22	45.62
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	123.63	54.09
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	139.12	59.82
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	154.89	66.42
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	171.91	74.78

26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections *(26 05 36 00-1486)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	28.12	7.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.91*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	35.02	9.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.72*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	44.76	11.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.71*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	53.15	13.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.78*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	65.23	17.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.94*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	77.45	18.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.50*	

26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1486)*

26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	328.60	124.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.51*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	397.67	157.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.47*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	459.13	175.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.56*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	534.83	206.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.80*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	631.52	239.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.78*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	713.90	272.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.73*	

26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	388.21	129.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.58*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	480.97	166.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.43*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	543.64	186.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.39*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	655.94	221.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.48*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	761.02	259.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.88*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	875.86	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.53*	

26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	480.82	135.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.51*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	599.30	176.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.53*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	695.14	199.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.98*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	787.10	239.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.22*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	914.56	285.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.69*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,067.51	331.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.88*	

26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	302.18	124.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.53*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	367.78	157.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.99*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	422.34	175.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.07*	
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	492.16	206.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.47*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	580.46	239.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.12*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	655.29	271.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.07*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	350.59	129.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.92*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	435.89	166.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.69*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	493.20	187.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	592.84	221.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.01*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	690.01	260.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.11*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	792.84	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.08*	
26 05 36 00-1685		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	425.10	135.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.12*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	531.51	175.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.42*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	615.44	199.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.03*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	702.61	239.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.45*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	817.85	285.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.18*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	956.15	332.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.98*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	350.69	124.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.87*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	410.87	157.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.45*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	461.02	175.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.84*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	521.62	206.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.82*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	588.12	239.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.27*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	646.53	271.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.76*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	420.29	129.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.39*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	497.95	166.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.97*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	549.30	186.94
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.24*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	627.63	221.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.23*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	706.31	259.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.67*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	800.39	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.21*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	494.03	135.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.49*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	595.53	176.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.96*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	661.17	199.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.89*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	739.93	239.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.15*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	852.30	285.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.35*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	944.87	331.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.49*	
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	585.73	239.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.97*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	678.61	271.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.57*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	753.22	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.13*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	839.29	332.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.45*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	992.62	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.46*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,208.20	498.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	740.87	259.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.80*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	845.67	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.00*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	945.85	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.54*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,145.45	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.38*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,378.01	498.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.62*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,521.55	544.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*137.40*	
26 05 36 00-1727		**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	974.94	285.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.75*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,100.57	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.74*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,255.20	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.97*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,501.36	459.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*148.65*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,809.92	599.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*171.63*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,014.42	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*191.29*	
26 05 36 00-1734		**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	664.97	239.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.85*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	724.55	271.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.40*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	757.24	284.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.16*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	799.59	298.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.17*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	881.70	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.91*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,011.49	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.29*	
26 05 36 00-1741		**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	825.77	259.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.53*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	913.59	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.19*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	967.92	314.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.74*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,034.53	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.84*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,151.43	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.40*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,322.12	459.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.77*	
26 05 36 00-1748		**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,087.42	284.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.69*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,188.11	328.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.55*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,264.89	351.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*131.17*	
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,321.24	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.87*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,466.04	426.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*148.77*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	988.75	543.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.74*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	690.59	271.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.30*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	766.43	299.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.11*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	891.31	351.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,058.50	426.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.64*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,157.97	459.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*97.14*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,342.31	544.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.51*	
26 05 36 00-1762		**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	914.39	299.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.23*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,034.53	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.84*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,186.96	398.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.61*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,465.13	499.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.46*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,606.46	544.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*150.13*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,835.18	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*164.40*	
26 05 36 00-1769		**36" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,260.94	332.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.80*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,387.27	373.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*145.78*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,616.45	460.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*165.73*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,923.13	599.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*188.61*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,108.75	665.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*205.43*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,416.06	747.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*237.78*	
26 05 36 00-1776		**Straight Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	259.51	85.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.67*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	286.66	99.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.41*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	316.10	112.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.64*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	356.29	129.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.78*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	396.03	149.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.52*	
26 05 36 00-1782		**Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	284.86	99.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.13*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	314.55	112.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.37*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	352.37	129.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.20*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	354.10	129.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.48*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	396.03	149.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.52*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	397.91	149.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.80*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	402.09	149.55
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.39*	
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	86.18	37.39
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	103.01	45.62
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	122.49	54.09
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	135.27	59.82
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	152.19	66.42
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	172.74	74.78
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	41.73	13.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	49.12	14.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.67*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	57.85	17.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.35*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	66.39	19.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.00*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	87.79	23.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.79*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	103.70	29.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.87*	

26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	384.86	157.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.36*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	500.51	213.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.29*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	619.84	271.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.34*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	760.26	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.31*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	857.70	374.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.55*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	982.89	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.64*	

26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	457.41	166.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.91*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	591.86	230.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.00*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	750.13	299.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.09*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	906.78	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.52*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	970.83	386.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.90*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,210.56	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.51*	

26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	562.47	175.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.62*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	724.78	249.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.68*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	924.95	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.78*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,102.49	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.68*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,270.04	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.46*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,484.94	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.72*	

26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	358.15	157.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.68*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	468.56	213.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.09*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	582.45	271.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.64*	
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	713.99	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.73*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	806.37	374.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.42*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	921.88	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.62*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	417.90	166.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.94*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	546.06	230.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.42*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	695.57	299.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.59*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	844.38	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	968.11	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.16*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,127.03	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.16*	
26 05 36 00-1841		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	503.64	175.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.71*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	655.74	248.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.83*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	843.43	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.62*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,018.07	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.16*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,173.42	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.80*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,380.44	599.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.11*	
26 05 36 00-1848		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	419.65	157.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.87*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	531.39	213.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.38*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	631.28	271.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.49*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	757.97	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.08*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	832.54	374.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.04*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	930.93	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.53*	
26 05 36 00-1855		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	503.16	166.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.48*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	623.88	230.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.20*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	763.85	299.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.46*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	897.63	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.61*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,020.14	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.45*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,153.38	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.80*	
26 05 36 00-1862		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	599.07	175.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.28*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	740.80	249.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.28*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	915.80	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.86*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,097.92	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.23*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,226.58	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.12*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,434.62	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.69*	
26 05 36 00-1869		**12" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	683.79	299.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.45*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	827.77	373.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.68*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	946.29	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.98*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,100.77	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.53*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,214.53	543.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.17*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,333.97	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.63*	
26 05 36 00-1876		**24" Radius Horizontal Tees** *(26 05 36 00-1805)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	859.93	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.32*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,045.31	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.96*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,203.70	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.83*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,480.37	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.27*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,634.89	665.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.05*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,827.29	747.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.42*	

26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,062.33	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.08*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,331.80	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.64*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,545.32	599.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.60*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,905.06	747.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-128.19*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,126.88	857.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.23*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,480.76	994.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.21*	

26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	807.31	299.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.81*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	936.52	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.50*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	984.57	398.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.24*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,049.88	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.42*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,126.54	460.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.28*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,271.72	543.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.89*	

26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	967.44	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.07*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,145.95	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.03*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,222.61	460.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.89*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,320.36	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.49*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,420.40	543.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.75*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,666.91	665.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.25*	

26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,280.68	373.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.97*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,505.64	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.02*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,603.40	543.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-115.05*	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,742.04	599.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-124.27*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,966.57	665.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.22*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,291.92	853.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-158.06*	

26 05 36 00-1911 12" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	861.03	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.95*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	953.15	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.67*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,098.48	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.31*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,276.78	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,420.53	662.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.81*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,600.83	747.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.77*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,085.82	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.93*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,222.00	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.66*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,425.47	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.78*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,792.98	747.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.98*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,026.57	853.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-131.52*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,297.76	994.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-146.91*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,459.89	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.45*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,659.69	599.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.04*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,921.07	747.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.79*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,478.18	999.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-164.51*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,889.33	1,198.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-189.07*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,453.27	1,495.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-220.70*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	327.76	127.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.16*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	357.20	142.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.86*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	404.55	165.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.63*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	444.24	186.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.85*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	484.96	205.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.34*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	357.20	142.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.86*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	402.76	166.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.43*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	441.64	186.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.60*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	443.62	186.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.81*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	482.67	205.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.11*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	484.96	205.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.34*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	488.01	206.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.61*	
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	104.20	45.99
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	123.60	53.97
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	136.23	59.57
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	153.23	66.42
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	170.00	74.65
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	199.11	89.23
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	38.55	9.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.04*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	42.78	10.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.39*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	47.86	11.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	55.77	13.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.46*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	64.03	14.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.17*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	81.40	17.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.72*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	90.54	20.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.39*	
26 05 36 00-1961		Vented Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1797)*		
26 05 36 00-1962		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	444.10	157.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.29*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	482.47	170.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.99*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	531.44	192.55
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.10*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	600.46	213.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.26*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	718.21	260.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.12*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	849.38	299.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.97*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	936.05	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.89*	
26 05 36 00-1970		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	539.91	166.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.16*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	651.86	206.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.99*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	739.03	230.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.72*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	879.57	284.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.25*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,015.68	331.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.95*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,123.24	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.17*	
26 05 36 00-1977		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	663.68	175.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.74*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	793.36	221.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.86*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	897.66	249.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.97*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,050.95	314.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.87*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,126.82	304.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.27*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,382.53	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.69*	
26 05 36 00-1984		45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	404.36	157.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.30*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	439.30	171.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.66*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	485.11	192.55
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.47*	
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	546.19	213.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.86*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	655.06	259.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.84*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	772.37	299.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.27*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	851.10	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.44*	
26 05 36 00-1992		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	482.25	166.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.38*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	584.11	206.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.22*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	661.34	230.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	791.12	285.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.36*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	915.73	332.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.85*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,013.22	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.17*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	582.58	175.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.60*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	699.26	221.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.49*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	791.69	249.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.37*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	936.02	315.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.33*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,069.23	352.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.59*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,236.50	427.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.00*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	482.92	157.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.20*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	518.54	170.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.64*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	557.76	192.55
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.73*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	600.46	213.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.26*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	705.05	260.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.81*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	783.58	299.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.39*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	840.31	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.36*	
26 05 36 00-2014		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	574.13	166.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.58*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	667.65	206.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.57*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	736.40	230.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.46*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	832.92	285.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.54*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	929.80	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.31*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,017.96	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.64*	
26 05 36 00-2021		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	661.05	175.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.48*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	764.41	221.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.96*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	858.17	249.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.02*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,003.57	314.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.13*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,113.18	352.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.98*	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,253.55	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.79*	
26 05 36 00-2028		**12" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	774.88	299.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.56*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	808.80	314.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.65*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	860.39	331.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.42*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	982.35	374.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.02*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,121.95	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.63*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,270.41	498.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,405.83	543.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.30*	

26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	974.55	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.78*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,100.94	373.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.00*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,237.76	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.21*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,486.67	497.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.24*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,709.29	599.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.00*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,937.89	665.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.35*	

26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,299.59	373.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.80*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,487.81	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.21*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,575.67	416.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-122.87*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,021.95	597.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-152.42*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,343.61	750.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-171.80*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,686.10	853.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-197.48*	

26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	877.53	299.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.83*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	906.19	314.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.39*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	964.02	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.73*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,000.00	352.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.66*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,045.67	373.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.47*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,106.52	398.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.44*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,226.15	459.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.34*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,090.36	332.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.37*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,200.96	373.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.00*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,282.88	398.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.07*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,369.37	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.37*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,476.20	459.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.34*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,632.19	544.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.80*	

26 05 36 00-2065 36" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,451.01	373.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.01*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,593.10	426.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.74*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,673.61	459.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.08*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,806.95	499.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-139.04*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,961.20	544.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-150.70*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,210.35	662.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.79*	

26 05 36 00-2072 12" Radius Horizontal Crosses *(26 05 36 00-1961)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2073		EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	898.22	332.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.15*	
26 05 36 00-2074		EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	955.26	352.08
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.19*	
26 05 36 00-2075		EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,003.40	374.63
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.12*	
26 05 36 00-2076		EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,108.79	426.85
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.31*	
26 05 36 00-2077		EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,270.83	497.14
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.65*	
26 05 36 00-2078		EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,440.05	541.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.85*	
26 05 36 00-2079		EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,756.28	665.26
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.19*	
26 05 36 00-2080			**24" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2081		EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,242.93	374.63
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.07*	
26 05 36 00-2082		EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,387.79	426.85
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.21*	
26 05 36 00-2083		EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,557.73	497.14
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.34*	
26 05 36 00-2084		EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,837.71	597.21
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-134.00*	
26 05 36 00-2085		EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,012.94	662.90
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-146.05*	
26 05 36 00-2086		EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,449.21	853.58
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-173.79*	
26 05 36 00-2087			**36" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2088		EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,724.70	426.85
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-136.90*	
26 05 36 00-2089		EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,912.24	499.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-149.57*	
26 05 36 00-2090		EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,166.72	597.21
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-166.90*	
26 05 36 00-2091		EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,606.82	750.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-198.12*	
26 05 36 00-2092		EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,903.19	857.56
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-218.86*	
26 05 36 00-2093		EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,368.15	994.40
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-253.95*	
26 05 36 00-2094			**Straight Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2095		EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	334.72	99.70
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.16*	
26 05 36 00-2096		EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	351.39	105.07
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.39*	
26 05 36 00-2097		EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	397.09	124.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.33*	
26 05 36 00-2098		EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	439.60	142.20
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.11*	
26 05 36 00-2099		EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	484.89	166.13
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.64*	
26 05 36 00-2100		EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	526.78	186.57
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.13*	
26 05 36 00-2101			**Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2102		EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	351.10	104.82
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.37*	
26 05 36 00-2103		EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	396.95	124.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.32*	
26 05 36 00-2104		EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	396.95	124.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.32*	
26 05 36 00-2105		EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	439.78	142.33
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.12*	
26 05 36 00-2106		EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	439.78	142.33
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.12*	
26 05 36 00-2107		EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	440.15	142.45
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.14*	
26 05 36 00-2108		EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	489.90	166.01
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.16*	
26 05 36 00-2109		EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	484.39	165.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.62*	
26 05 36 00-2110		EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	526.78	186.57
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.13*	
26 05 36 00-2111		EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	526.78	186.57
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	527.40	186.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.16*	
26 05 36 00-2113		**Dropout Or End Plate** *(26 05 36 00-1961)*		
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	111.12	45.99
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	121.26	50.23
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	130.66	53.97
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	148.38	59.57
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	170.02	66.42
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	187.65	74.65
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	214.85	85.49
26 05 36 00-2121		**Cable Tray Covers And Dividers** *(26 05 36 00-0001)*		
26 05 36 00-2122		**Galvanized Steel Covers** *(26 05 36 00-2121)*		
26 05 36 00-2123		**Ventilated Straight Sections** *(26 05 36 00-2122)*		
26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	11.01	2.24
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	13.28	2.62
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	15.61	2.99
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	21.17	3.99
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	26.83	5.36
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	32.55	6.60
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	149.47	74.90
26 05 36 00-2131		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	67.09	7.98
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	75.04	9.35
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	81.30	11.09
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	110.58	14.21
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	135.41	18.07
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	163.72	20.06
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	197.76	23.93
26 05 36 00-2139		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	103.90	8.85
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	108.70	10.34
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	122.61	12.47
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	152.11	15.82
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	186.53	19.94
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	239.61	22.93
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	278.69	27.17
26 05 36 00-2147		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	146.92	9.97
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	163.30	11.46
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	176.97	14.21
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	224.42	16.58
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	271.66	23.06
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	320.15	26.05
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	374.59	29.91
26 05 36 00-2155		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	51.55	7.98
		For 60 Degree Bend, Deduct	*-13.94*	
		For 30 Degree Bend, Deduct	*-23.68*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	61.32	9.35
		For 60 Degree Bend, Deduct	*-16.65*	
		For 30 Degree Bend, Deduct	*-28.28*	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	68.72	11.09
		For 60 Degree Bend, Deduct	*-18.45*	
		For 30 Degree Bend, Deduct	*-31.36*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	83.26	13.59
		For 60 Degree Bend, Deduct	*-22.27*	
		For 30 Degree Bend, Deduct	*-37.87*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	97.19	15.70
		For 60 Degree Bend, Deduct	*-26.03*	
		For 30 Degree Bend, Deduct	*-44.26*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	113.71	18.07
		For 60 Degree Bend, Deduct	*-30.57*	
		For 30 Degree Bend, Deduct	*-51.96*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	127.02	19.94
		For 60 Degree Bend, Deduct	*-34.27*	
		For 30 Degree Bend, Deduct	*-58.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	70.75	8.85
		For 60 Degree Bend, Deduct	*-19.96*	
		For 30 Degree Bend, Deduct	*-33.76*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	80.10	10.34
		For 60 Degree Bend, Deduct	*-22.48*	
		For 30 Degree Bend, Deduct	*-38.04*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	91.73	12.47
		For 60 Degree Bend, Deduct	*-25.48*	
		For 30 Degree Bend, Deduct	*-43.16*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	106.16	14.95
		For 60 Degree Bend, Deduct	*-29.29*	
		For 30 Degree Bend, Deduct	*-49.65*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	122.32	17.08
		For 60 Degree Bend, Deduct	*-33.80*	
		For 30 Degree Bend, Deduct	*-57.29*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	152.26	19.94
		For 60 Degree Bend, Deduct	*-42.58*	
		For 30 Degree Bend, Deduct	*-72.08*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	168.76	23.06
		For 60 Degree Bend, Deduct	*-46.86*	
		For 30 Degree Bend, Deduct	*-79.39*	
26 05 36 00-2171		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	97.77	9.97
		For 60 Degree Bend, Deduct	*-28.45*	
		For 30 Degree Bend, Deduct	*-47.97*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	110.69	11.46
		For 60 Degree Bend, Deduct	*-32.11*	
		For 30 Degree Bend, Deduct	*-54.16*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	124.30	14.21
		For 60 Degree Bend, Deduct	*-35.58*	
		For 30 Degree Bend, Deduct	*-60.09*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	141.85	15.82
		For 60 Degree Bend, Deduct	*-40.75*	
		For 30 Degree Bend, Deduct	*-68.80*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	172.87	19.32
		For 60 Degree Bend, Deduct	*-49.64*	
		For 30 Degree Bend, Deduct	*-83.81*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	191.64	23.06
		For 60 Degree Bend, Deduct	*-54.41*	
		For 30 Degree Bend, Deduct	*-91.97*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	226.85	24.92
		For 60 Degree Bend, Deduct	*-65.30*	
		For 30 Degree Bend, Deduct	*-110.22*	
26 05 36 00-2179		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	58.14	7.98
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	61.32	9.35
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	67.58	11.09
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	78.71	13.59
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	86.50	17.57
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	96.24	20.06
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	121.04	23.93
26 05 36 00-2187		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	69.59	8.85
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	77.82	10.34
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	83.72	12.47
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	108.41	14.95
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	125.93	19.32
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	144.71	23.06
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	166.60	27.17
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	80.59	9.97
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	100.39	11.46
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	115.21	14.21
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	141.84	15.82
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	164.95	22.06
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	196.63	26.05
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	230.48	29.91
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	102.89	12.96
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	108.41	14.95
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	123.00	17.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	147.68	19.94
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	182.49	23.06
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	224.56	33.15
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	269.90	39.76
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	150.77	13.59
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	172.72	15.82
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	182.10	18.69
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	230.07	21.44
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	338.81	24.92
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	400.90	37.39
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	449.49	45.99
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	254.71	14.21
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	263.28	16.58
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	294.04	19.94
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	344.96	23.06
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	447.96	27.17
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	508.29	42.87
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	586.73	54.22
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	150.52	17.57
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	159.26	18.69
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	176.27	19.94
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	207.65	23.06
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	261.11	33.15
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	301.86	39.76
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	345.65	42.75
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	262.23	18.69
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	284.89	19.94
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	305.56	21.44
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	363.97	24.92
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	455.75	37.39
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	520.31	45.99
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	581.57	49.73
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	419.85	19.94
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	435.95	21.44
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	459.33	23.06
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	530.31	27.17
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	688.95	42.75
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	754.12	54.47
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	808.80	59.82
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	67.05	9.35
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	72.20	11.09
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	72.20	11.09
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	79.85	13.59
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	79.85	13.59
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	98.12	14.95
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	104.98	14.95
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	101.71	17.08
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	108.57	17.08
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	113.15	17.08
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	118.01	18.69
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	120.30	18.69
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	122.59	18.69
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	123.73	18.69
26 05 36 00-2266		**Aluminum Covers** *(26 05 36 00-2121)*		
26 05 36 00-2267		**Ventilated Straight Sections** *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.03	2.24
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.35	2.62
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	16.85	2.99
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	22.43	3.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	28.83	5.36
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	32.78	6.60
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	147.96	74.90
26 05 36 00-2275		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	64.73	7.98
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	69.19	9.35
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	76.49	11.09
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	99.63	14.21
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	126.27	18.07
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	148.41	20.06
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	180.69	23.93
26 05 36 00-2283		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	85.07	8.85
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	104.34	10.34
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	116.90	12.47
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	140.25	15.82
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	174.03	19.94
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	210.36	22.93
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	257.63	27.17
26 05 36 00-2291		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	137.19	9.97
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	151.01	11.46
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	173.41	14.21
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	206.44	16.58
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	255.07	23.06
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	293.61	26.05
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	342.46	29.91
26 05 36 00-2299		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	51.33	7.98
		For 60 Degree Bend, Deduct	*-13.87*	
		For 30 Degree Bend, Deduct	*-23.56*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	54.67	9.35
		For 60 Degree Bend, Deduct	*-14.46*	
		For 30 Degree Bend, Deduct	*-24.62*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	62.19	11.09
		For 60 Degree Bend, Deduct	*-16.29*	
		For 30 Degree Bend, Deduct	*-27.76*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	72.91	13.59
		For 60 Degree Bend, Deduct	*-18.85*	
		For 30 Degree Bend, Deduct	*-32.18*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	82.14	15.70
		For 60 Degree Bend, Deduct	*-21.06*	
		For 30 Degree Bend, Deduct	*-35.98*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	100.60	18.07
		For 60 Degree Bend, Deduct	*-26.25*	
		For 30 Degree Bend, Deduct	*-44.75*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	118.14	19.94
		For 60 Degree Bend, Deduct	*-31.34*	
		For 30 Degree Bend, Deduct	*-53.34*	
26 05 36 00-2307		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	58.84	8.85
		For 60 Degree Bend, Deduct	*-16.03*	
		For 30 Degree Bend, Deduct	*-27.21*	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	73.06	10.34
		For 60 Degree Bend, Deduct	*-20.15*	
		For 30 Degree Bend, Deduct	*-34.16*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	78.91	12.47
		For 60 Degree Bend, Deduct	*-21.25*	
		For 30 Degree Bend, Deduct	*-36.11*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	95.34	14.95
		For 60 Degree Bend, Deduct	*-25.72*	
		For 30 Degree Bend, Deduct	*-43.70*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	115.68	17.08
		For 60 Degree Bend, Deduct	*-31.61*	
		For 30 Degree Bend, Deduct	*-53.64*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	133.85	19.94
		For 60 Degree Bend, Deduct	*-36.51*	
		For 30 Degree Bend, Deduct	*-61.96*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	154.56	23.06
		For 60 Degree Bend, Deduct	*-42.18*	
		For 30 Degree Bend, Deduct	*-71.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	92.54	9.97
		For 60 Degree Bend, Deduct	*-26.73*	
		For 30 Degree Bend, Deduct	*-45.10*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	101.86	11.46
		For 60 Degree Bend, Deduct	*-29.20*	
		For 30 Degree Bend, Deduct	*-49.31*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	110.79	14.21
		For 60 Degree Bend, Deduct	*-31.12*	
		For 30 Degree Bend, Deduct	*-52.66*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	131.34	15.82
		For 60 Degree Bend, Deduct	*-37.29*	
		For 30 Degree Bend, Deduct	*-63.02*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	159.55	19.32
		For 60 Degree Bend, Deduct	*-45.25*	
		For 30 Degree Bend, Deduct	*-76.49*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	183.61	23.06
		For 60 Degree Bend, Deduct	*-51.76*	
		For 30 Degree Bend, Deduct	*-87.55*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	206.91	24.92
		For 60 Degree Bend, Deduct	*-58.72*	
		For 30 Degree Bend, Deduct	*-99.25*	
26 05 36 00-2323		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	57.10	7.98
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	59.70	9.35
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	66.44	11.09
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	78.53	13.59
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	87.40	17.57
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	92.55	20.06
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	111.34	23.93
26 05 36 00-2331		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	64.96	8.85
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	71.94	10.34
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	80.03	12.47
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	96.42	14.95
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	110.35	19.32
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	138.88	23.06
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	154.85	27.17
26 05 36 00-2339		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	74.63	9.97
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	90.69	11.46
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	106.38	14.21
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	126.86	15.82
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	155.27	22.06
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	193.07	26.05
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	210.64	29.91
26 05 36 00-2347		**12" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	93.19	12.96
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	100.89	14.95
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	114.12	17.57
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	133.85	19.94
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	165.74	23.06
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	204.99	33.15
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	247.30	39.76
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	138.85	13.59
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	155.91	15.82
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	176.36	18.69
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	205.45	21.44
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	311.79	24.92
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	361.76	37.39
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	409.55	45.99
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	235.94	14.21
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	244.40	16.58
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	272.34	19.94
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	308.79	23.06
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	389.45	27.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	457.93	42.87
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	526.05	54.22
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	138.77	17.57
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	147.34	18.69
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	162.90	19.94
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	194.78	23.06
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	236.22	33.15
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	280.74	39.76
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	319.17	42.75
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	245.69	18.69
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	263.40	19.94
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	283.65	21.44
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	329.67	24.92
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	406.39	37.39
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	478.73	45.99
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	518.60	49.73
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	377.35	19.94
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	395.37	21.44
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	424.98	23.06
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	469.89	27.17
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	596.40	42.75
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	694.02	54.47
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	758.82	59.82
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	70.32	9.35
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	75.42	11.09
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	75.42	11.09
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	85.22	13.59
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	85.21	13.59
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	94.18	14.95
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	103.08	14.95
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	108.95	17.08
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	112.27	17.08
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	114.56	17.08
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	120.46	18.69
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	122.70	18.69
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	123.81	18.69
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	124.93	18.69
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	11.27	2.99
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	13.27	3.24
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	16.41	3.74
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	66.53	21.44
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	75.66	22.19
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	79.55	23.06
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	91.35	23.93
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	86.77	23.93
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	94.11	24.92
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	109.71	26.05
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	135.72	27.17
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	108.27	27.17
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	120.68	28.54
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	135.63	29.91
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	171.42	31.53
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	76.23	22.19
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	84.13	23.06
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	91.35	23.93
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	104.40	24.92
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	104.40	24.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	122.29	26.05
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	134.58	27.17
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	166.43	28.54
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	116.57	26.05
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	128.86	27.17
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	152.70	28.54
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	192.81	29.91
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	84.39	24.92
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	91.41	26.05
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	100.27	27.17
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	116.10	28.54
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	106.27	26.05
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	124.29	27.17
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	137.83	28.54
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	168.80	29.91
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	118.57	27.17
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	137.83	28.54
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	168.80	29.91
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	205.73	31.53
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	74.18	18.07
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	82.45	19.94
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	99.79	22.19
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	10.88	2.87
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	12.83	3.12
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	15.80	3.49
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	58.87	20.68
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	64.52	21.44
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	70.67	22.19
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	81.14	23.06
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	79.01	23.06
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	86.92	23.93
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	100.30	24.92
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	123.55	26.05
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	105.38	26.05
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	125.55	27.17
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	151.18	28.54
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	185.62	29.91
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	70.18	21.44
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	76.98	22.19
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	84.35	23.06
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	94.40	23.93
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	93.33	23.93
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	107.78	24.92
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	121.41	26.05
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	152.28	27.17
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	124.89	24.92
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	150.28	26.05
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	175.80	27.17
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	212.12	28.54
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	77.73	23.93
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	86.40	24.92
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	90.41	26.05
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	100.96	27.17
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	97.09	24.92
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	119.28	26.05
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	128.76	27.17
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	160.80	28.54
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	127.83	26.05
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	158.69	27.17
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	181.12	28.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	210.21	29.91
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	67.45	17.08
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	73.92	18.69
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	91.05	20.68
26 05 36 00-2506		**Cable Tray Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	91.50	24.92
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	94.79	26.05
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	103.94	27.17
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	110.33	28.54
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	119.84	29.91
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	142.45	31.53
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	170.36	33.65
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.38	3.37
		For 9" Rung Spacing, Add	*0.29*	
		For 6" Rung Spacing, Add	*1.26*	
		For 4" Rung Spacing, Add	*2.31*	
		For 18" Rung Spacing, Deduct	*-0.21*	
		For Solid Bottom, Add	*3.27*	
		For Vented Trough Bottom, Add	*3.98*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.91	4.11
		For 9" Rung Spacing, Add	*0.30*	
		For 6" Rung Spacing, Add	*1.30*	
		For 4" Rung Spacing, Add	*2.39*	
		For 18" Rung Spacing, Deduct	*-0.22*	
		For Solid Bottom, Add	*3.54*	
		For Vented Trough Bottom, Add	*4.25*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.40	4.98
		For 9" Rung Spacing, Add	*0.31*	
		For 6" Rung Spacing, Add	*1.34*	
		For 4" Rung Spacing, Add	*2.45*	
		For 18" Rung Spacing, Deduct	*-0.22*	
		For Solid Bottom, Add	*3.80*	
		For Vented Trough Bottom, Add	*4.50*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	19.56	6.60
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.44*	
		For 4" Rung Spacing, Add	*2.64*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*4.37*	
		For Vented Trough Bottom, Add	*5.08*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	22.71	8.35
		For 9" Rung Spacing, Add	*0.36*	
		For 6" Rung Spacing, Add	*1.54*	
		For 4" Rung Spacing, Add	*2.82*	
		For 18" Rung Spacing, Deduct	*-0.26*	
		For Solid Bottom, Add	*4.94*	
		For Vented Trough Bottom, Add	*5.65*	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	24.82	9.10
		For 9" Rung Spacing, Add	*0.39*	
		For 6" Rung Spacing, Add	*1.67*	
		For 4" Rung Spacing, Add	*3.06*	
		For 18" Rung Spacing, Deduct	*-0.28*	
		For Solid Bottom, Add	*5.39*	
		For Vented Trough Bottom, Add	*6.16*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	26.97	9.97
		For 9" Rung Spacing, Add	*0.42*	
		For 6" Rung Spacing, Add	*1.80*	
		For 4" Rung Spacing, Add	*3.31*	
		For 18" Rung Spacing, Deduct	*-0.30*	
		For Solid Bottom, Add	*5.85*	
		For Vented Trough Bottom, Add	*6.68*	
26 05 36 00-2525		**90 Degree Horizontal Elbows** *(26 05 36 00-2516)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	71.39	24.92
		For 9" Rung Spacing, Add	*1.19*	
		For 6" Rung Spacing, Add	*5.10*	
		For 4" Rung Spacing, Add	*9.35*	
		For 18" Rung Spacing, Deduct	*-0.85*	
		For Solid Bottom, Add	*15.81*	
		For Vented Trough Bottom, Add	*18.27*	
		For 60 Degree Bend, Deduct	*-14.96*	
		For 45 Degree Bend, Deduct	*-20.57*	
		For 30 Degree Bend, Deduct	*-26.18*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	79.57	29.04
		For 9" Rung Spacing, Add	*1.26*	
		For 6" Rung Spacing, Add	*5.39*	
		For 4" Rung Spacing, Add	*9.89*	
		For 18" Rung Spacing, Deduct	*-0.90*	
		For Solid Bottom, Add	*17.33*	
		For Vented Trough Bottom, Add	*19.83*	
		For 60 Degree Bend, Deduct	*-16.23*	
		For 45 Degree Bend, Deduct	*-22.36*	
		For 30 Degree Bend, Deduct	*-28.50*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	92.73	36.52
		For 9" Rung Spacing, Add	*1.33*	
		For 6" Rung Spacing, Add	*5.68*	
		For 4" Rung Spacing, Add	*10.42*	
		For 18" Rung Spacing, Deduct	*-0.95*	
		For Solid Bottom, Add	*19.59*	
		For Vented Trough Bottom, Add	*22.01*	
		For 60 Degree Bend, Deduct	*-17.99*	
		For 45 Degree Bend, Deduct	*-24.90*	
		For 30 Degree Bend, Deduct	*-31.81*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	109.57	44.11
		For 9" Rung Spacing, Add	*1.52*	
		For 6" Rung Spacing, Add	*6.53*	
		For 4" Rung Spacing, Add	*11.97*	
		For 18" Rung Spacing, Deduct	*-1.09*	
		For Solid Bottom, Add	*22.96*	
		For Vented Trough Bottom, Add	*25.66*	
		For 60 Degree Bend, Deduct	*-20.97*	
		For 45 Degree Bend, Deduct	*-29.06*	
		For 30 Degree Bend, Deduct	*-37.15*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	123.88	50.72
		For 9" Rung Spacing, Add	*1.68*	
		For 6" Rung Spacing, Add	*7.18*	
		For 4" Rung Spacing, Add	*13.16*	
		For 18" Rung Spacing, Deduct	*-1.20*	
		For Solid Bottom, Add	*25.76*	
		For Vented Trough Bottom, Add	*28.65*	
		For 60 Degree Bend, Deduct	*-23.40*	
		For 45 Degree Bend, Deduct	*-32.46*	
		For 30 Degree Bend, Deduct	*-41.53*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	136.00	54.09
		For 9" Rung Spacing, Add	*1.93*	
		For 6" Rung Spacing, Add	*8.25*	
		For 4" Rung Spacing, Add	*15.13*	
		For 18" Rung Spacing, Deduct	*-1.38*	
		For Solid Bottom, Add	*28.65*	
		For Vented Trough Bottom, Add	*32.13*	
		For 60 Degree Bend, Deduct	*-26.25*	
		For 45 Degree Bend, Deduct	*-36.35*	
		For 30 Degree Bend, Deduct	*-46.45*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	150.41	58.21
		For 9" Rung Spacing, Add	*2.21*	
		For 6" Rung Spacing, Add	*9.48*	
		For 4" Rung Spacing, Add	*17.37*	
		For 18" Rung Spacing, Deduct	*-1.58*	
		For Solid Bottom, Add	*32.04*	
		For Vented Trough Bottom, Add	*36.17*	
		For 60 Degree Bend, Deduct	*-29.57*	
		For 45 Degree Bend, Deduct	*-40.88*	
		For 30 Degree Bend, Deduct	*-52.19*	

26 05 36 00-2533 Inside Or Outside Vertical Risers *(26 05 36 00-2516)*

26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	106.90	24.92
		For 9" Rung Spacing, Add	*2.43*	
		For 6" Rung Spacing, Add	*10.43*	
		For 4" Rung Spacing, Add	*19.12*	
		For 18" Rung Spacing, Deduct	*-1.74*	
		For Solid Bottom, Add	*26.46*	
		For Vented Trough Bottom, Add	*32.48*	
		For 60 Degree Bend, Deduct	*-26.68*	
		For 45 Degree Bend, Deduct	*-36.19*	
		For 30 Degree Bend, Deduct	*-45.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	114.11	29.04
		For 9" Rung Spacing, Add	*2.47*	
		For 6" Rung Spacing, Add	*10.57*	
		For 4" Rung Spacing, Add	*19.38*	
		For 18" Rung Spacing, Deduct	*-1.76*	
		For Solid Bottom, Add	*27.69*	
		For Vented Trough Bottom, Add	*33.65*	
		For 60 Degree Bend, Deduct	*-27.62*	
		For 45 Degree Bend, Deduct	*-37.56*	
		For 30 Degree Bend, Deduct	*-47.49*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	126.30	36.52
		For 9" Rung Spacing, Add	*2.50*	
		For 6" Rung Spacing, Add	*10.72*	
		For 4" Rung Spacing, Add	*19.65*	
		For 18" Rung Spacing, Deduct	*-1.79*	
		For Solid Bottom, Add	*29.66*	
		For Vented Trough Bottom, Add	*35.44*	
		For 60 Degree Bend, Deduct	*-29.07*	
		For 45 Degree Bend, Deduct	*-39.67*	
		For 30 Degree Bend, Deduct	*-50.27*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	139.67	44.11
		For 9" Rung Spacing, Add	*2.58*	
		For 6" Rung Spacing, Add	*11.04*	
		For 4" Rung Spacing, Add	*20.25*	
		For 18" Rung Spacing, Deduct	*-1.84*	
		For Solid Bottom, Add	*31.99*	
		For Vented Trough Bottom, Add	*37.70*	
		For 60 Degree Bend, Deduct	*-30.90*	
		For 45 Degree Bend, Deduct	*-42.30*	
		For 30 Degree Bend, Deduct	*-53.70*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	151.59	50.72
		For 9" Rung Spacing, Add	*2.64*	
		For 6" Rung Spacing, Add	*11.34*	
		For 4" Rung Spacing, Add	*20.78*	
		For 18" Rung Spacing, Deduct	*-1.89*	
		For Solid Bottom, Add	*34.07*	
		For Vented Trough Bottom, Add	*39.73*	
		For 60 Degree Bend, Deduct	*-32.54*	
		For 45 Degree Bend, Deduct	*-44.65*	
		For 30 Degree Bend, Deduct	*-56.77*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	158.52	54.09
		For 9" Rung Spacing, Add	*2.71*	
		For 6" Rung Spacing, Add	*11.63*	
		For 4" Rung Spacing, Add	*21.32*	
		For 18" Rung Spacing, Deduct	*-1.94*	
		For Solid Bottom, Add	*35.41*	
		For Vented Trough Bottom, Add	*41.13*	
		For 60 Degree Bend, Deduct	*-33.68*	
		For 45 Degree Bend, Deduct	*-46.26*	
		For 30 Degree Bend, Deduct	*-58.84*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	172.88	58.21
		For 9" Rung Spacing, Add	*3.00*	
		For 6" Rung Spacing, Add	*12.85*	
		For 4" Rung Spacing, Add	*23.55*	
		For 18" Rung Spacing, Deduct	*-2.14*	
		For Solid Bottom, Add	*38.78*	
		For Vented Trough Bottom, Add	*45.16*	
		For 60 Degree Bend, Deduct	*-36.99*	
		For 45 Degree Bend, Deduct	*-50.77*	
		For 30 Degree Bend, Deduct	*-64.55*	

26 05 36 00-2541 Horizontal Tees *(26 05 36 00-2516)*

26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	153.45	62.31
		For 9" Rung Spacing, Add	*2.10*	
		For 6" Rung Spacing, Add	*9.00*	
		For 4" Rung Spacing, Add	*16.49*	
		For 18" Rung Spacing, Deduct	*-1.50*	
		For Solid Bottom, Add	*32.01*	
		For Vented Trough Bottom, Add	*35.68*	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	172.04	73.16
		For 9" Rung Spacing, Add	*2.18*	
		For 6" Rung Spacing, Add	*9.35*	
		For 4" Rung Spacing, Add	*17.15*	
		For 18" Rung Spacing, Deduct	*-1.56*	
		For Solid Bottom, Add	*35.16*	
		For Vented Trough Bottom, Add	*38.65*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	195.60	87.24
		For 9" Rung Spacing, Add	*2.27*	
		For 6" Rung Spacing, Add	*9.71*	
		For 4" Rung Spacing, Add	*17.80*	
		For 18" Rung Spacing, Deduct	*-1.62*	
		For Solid Bottom, Add	*39.05*	
		For Vented Trough Bottom, Add	*42.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	218.30	98.08
		For 9" Rung Spacing, Add	*2.49*	
		For 6" Rung Spacing, Add	*10.69*	
		For 4" Rung Spacing, Add	*19.59*	
		For 18" Rung Spacing, Deduct	*-1.78*	
		For Solid Bottom, Add	*43.43*	
		For Vented Trough Bottom, Add	*46.88*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	229.73	102.19
		For 9" Rung Spacing, Add	*2.68*	
		For 6" Rung Spacing, Add	*11.47*	
		For 4" Rung Spacing, Add	*21.02*	
		For 18" Rung Spacing, Deduct	*-1.91*	
		For Solid Bottom, Add	*45.93*	
		For Vented Trough Bottom, Add	*49.74*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	246.47	108.05
		For 9" Rung Spacing, Add	*2.96*	
		For 6" Rung Spacing, Add	*12.67*	
		For 4" Rung Spacing, Add	*23.22*	
		For 18" Rung Spacing, Deduct	*-2.11*	
		For Solid Bottom, Add	*49.64*	
		For Vented Trough Bottom, Add	*54.03*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	267.77	116.40
		For 9" Rung Spacing, Add	*3.27*	
		For 6" Rung Spacing, Add	*13.99*	
		For 4" Rung Spacing, Add	*25.65*	
		For 18" Rung Spacing, Deduct	*-2.33*	
		For Solid Bottom, Add	*54.16*	
		For Vented Trough Bottom, Add	*59.13*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	238.89	108.05
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.53*	
		For 4" Rung Spacing, Add	*21.14*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For Solid Bottom, Add	*47.36*	
		For Vented Trough Bottom, Add	*51.00*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	253.63	116.40
		For 9" Rung Spacing, Add	*2.77*	
		For 6" Rung Spacing, Add	*11.87*	
		For 4" Rung Spacing, Add	*21.77*	
		For 18" Rung Spacing, Deduct	*-1.98*	
		For Solid Bottom, Add	*49.92*	
		For Vented Trough Bottom, Add	*53.47*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	268.37	124.75
		For 9" Rung Spacing, Add	*2.85*	
		For 6" Rung Spacing, Add	*12.21*	
		For 4" Rung Spacing, Add	*22.39*	
		For 18" Rung Spacing, Deduct	*-2.04*	
		For Solid Bottom, Add	*52.47*	
		For Vented Trough Bottom, Add	*55.94*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	287.32	132.98
		For 9" Rung Spacing, Add	*3.08*	
		For 6" Rung Spacing, Add	*13.19*	
		For 4" Rung Spacing, Add	*24.18*	
		For 18" Rung Spacing, Deduct	*-2.20*	
		For Solid Bottom, Add	*56.28*	
		For Vented Trough Bottom, Add	*60.09*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	304.76	141.32
		For 9" Rung Spacing, Add	*3.25*	
		For 6" Rung Spacing, Add	*13.93*	
		For 4" Rung Spacing, Add	*25.54*	
		For 18" Rung Spacing, Deduct	*-2.32*	
		For Solid Bottom, Add	*59.65*	
		For Vented Trough Bottom, Add	*63.64*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	325.45	149.68
		For 9" Rung Spacing, Add	*3.54*	
		For 6" Rung Spacing, Add	*15.17*	
		For 4" Rung Spacing, Add	*27.81*	
		For 18" Rung Spacing, Deduct	*-2.53*	
		For Solid Bottom, Add	*63.99*	
		For Vented Trough Bottom, Add	*68.49*	
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	352.26	160.39
		For 9" Rung Spacing, Add	*3.91*	
		For 6" Rung Spacing, Add	*16.76*	
		For 4" Rung Spacing, Add	*30.72*	
		For 18" Rung Spacing, Deduct	*-2.79*	
		For Solid Bottom, Add	*69.60*	
		For Vented Trough Bottom, Add	*74.76*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	147.39	62.31
		For 9" Rung Spacing, Add	*1.89*	
		For 6" Rung Spacing, Add	*8.09*	
		For 4" Rung Spacing, Add	*14.83*	
		For 18" Rung Spacing, Deduct	*-1.35*	
		For Solid Bottom, Add	*30.20*	
		For Vented Trough Bottom, Add	*33.25*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	155.80	66.55
		For 9" Rung Spacing, Add	*1.96*	
		For 6" Rung Spacing, Add	*8.42*	
		For 4" Rung Spacing, Add	*15.43*	
		For 18" Rung Spacing, Deduct	*-1.40*	
		For Solid Bottom, Add	*31.79*	
		For Vented Trough Bottom, Add	*34.90*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	189.11	87.24
		For 9" Rung Spacing, Add	*2.04*	
		For 6" Rung Spacing, Add	*8.74*	
		For 4" Rung Spacing, Add	*16.02*	
		For 18" Rung Spacing, Deduct	*-1.46*	
		For Solid Bottom, Add	*37.10*	
		For Vented Trough Bottom, Add	*39.66*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	211.17	98.08
		For 9" Rung Spacing, Add	*2.24*	
		For 6" Rung Spacing, Add	*9.62*	
		For 4" Rung Spacing, Add	*17.63*	
		For 18" Rung Spacing, Deduct	*-1.60*	
		For Solid Bottom, Add	*41.29*	
		For Vented Trough Bottom, Add	*44.02*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	221.93	102.19
		For 9" Rung Spacing, Add	*2.40*	
		For 6" Rung Spacing, Add	*10.30*	
		For 4" Rung Spacing, Add	*18.88*	
		For 18" Rung Spacing, Deduct	*-1.72*	
		For Solid Bottom, Add	*43.59*	
		For Vented Trough Bottom, Add	*46.62*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	238.02	108.05
		For 9" Rung Spacing, Add	*2.66*	
		For 6" Rung Spacing, Add	*11.40*	
		For 4" Rung Spacing, Add	*20.90*	
		For 18" Rung Spacing, Deduct	*-1.90*	
		For Solid Bottom, Add	*47.10*	
		For Vented Trough Bottom, Add	*50.65*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	258.45	116.40
		For 9" Rung Spacing, Add	*2.94*	
		For 6" Rung Spacing, Add	*12.60*	
		For 4" Rung Spacing, Add	*23.09*	
		For 18" Rung Spacing, Deduct	*-2.10*	
		For Solid Bottom, Add	*51.36*	
		For Vented Trough Bottom, Add	*55.40*	
26 05 36 00-2565		**Straight Reducers** *(26 05 36 00-2516)*		
26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	67.92	24.92
		For 9" Rung Spacing, Add	*1.07*	
		For 6" Rung Spacing, Add	*4.58*	
		For 4" Rung Spacing, Add	*8.40*	
		For 18" Rung Spacing, Deduct	*-0.76*	
		For Solid Bottom, Add	*14.77*	
		For Vented Trough Bottom, Add	*16.89*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	74.59	29.04
		For 9" Rung Spacing, Add	*1.08*	
		For 6" Rung Spacing, Add	*4.65*	
		For 4" Rung Spacing, Add	*8.52*	
		For 18" Rung Spacing, Deduct	*-0.77*	
		For Solid Bottom, Add	*15.84*	
		For Vented Trough Bottom, Add	*17.84*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	81.25	33.27
		For 9" Rung Spacing, Add	*1.10*	
		For 6" Rung Spacing, Add	*4.71*	
		For 4" Rung Spacing, Add	*8.64*	
		For 18" Rung Spacing, Deduct	*-0.79*	
		For Solid Bottom, Add	*16.90*	
		For Vented Trough Bottom, Add	*18.79*	
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	87.32	36.52
		For 9" Rung Spacing, Add	*1.14*	
		For 6" Rung Spacing, Add	*4.87*	
		For 4" Rung Spacing, Add	*8.93*	
		For 18" Rung Spacing, Deduct	*-0.81*	
		For Solid Bottom, Add	*17.97*	
		For Vented Trough Bottom, Add	*19.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	97.72	39.89
		For 9" Rung Spacing, Add	*1.33*	
		For 6" Rung Spacing, Add	*5.69*	
		For 4" Rung Spacing, Add	*10.42*	
		For 18" Rung Spacing, Deduct	*-0.95*	
		For Solid Bottom, Add	*20.34*	
		For Vented Trough Bottom, Add	*22.64*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	110.07	44.11
		For 9" Rung Spacing, Add	*1.54*	
		For 6" Rung Spacing, Add	*6.60*	
		For 4" Rung Spacing, Add	*12.11*	
		For 18" Rung Spacing, Deduct	*-1.10*	
		For Solid Bottom, Add	*23.11*	
		For Vented Trough Bottom, Add	*25.86*	
26 05 36 00-2572		Vertical Tees *(26 05 36 00-2516)*		
26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	208.02	62.31
		For 9" Rung Spacing, Add	*4.01*	
		For 6" Rung Spacing, Add	*17.18*	
		For 4" Rung Spacing, Add	*31.50*	
		For 18" Rung Spacing, Deduct	*-2.86*	
		For Solid Bottom, Add	*48.39*	
		For Vented Trough Bottom, Add	*57.50*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	215.66	66.55
		For 9" Rung Spacing, Add	*4.06*	
		For 6" Rung Spacing, Add	*17.40*	
		For 4" Rung Spacing, Add	*31.89*	
		For 18" Rung Spacing, Deduct	*-2.90*	
		For Solid Bottom, Add	*49.74*	
		For Vented Trough Bottom, Add	*58.85*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	248.21	87.24
		For 9" Rung Spacing, Add	*4.11*	
		For 6" Rung Spacing, Add	*17.60*	
		For 4" Rung Spacing, Add	*32.27*	
		For 18" Rung Spacing, Deduct	*-2.93*	
		For Solid Bottom, Add	*54.84*	
		For Vented Trough Bottom, Add	*63.30*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	267.68	98.08
		For 9" Rung Spacing, Add	*4.22*	
		For 6" Rung Spacing, Add	*18.09*	
		For 4" Rung Spacing, Add	*33.17*	
		For 18" Rung Spacing, Deduct	*-3.02*	
		For Solid Bottom, Add	*58.24*	
		For Vented Trough Bottom, Add	*66.63*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	276.93	102.19
		For 9" Rung Spacing, Add	*4.33*	
		For 6" Rung Spacing, Add	*18.55*	
		For 4" Rung Spacing, Add	*34.00*	
		For 18" Rung Spacing, Deduct	*-3.09*	
		For Solid Bottom, Add	*60.09*	
		For Vented Trough Bottom, Add	*68.62*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	288.48	108.05
		For 9" Rung Spacing, Add	*4.43*	
		For 6" Rung Spacing, Add	*18.97*	
		For 4" Rung Spacing, Add	*34.78*	
		For 18" Rung Spacing, Deduct	*-3.16*	
		For Solid Bottom, Add	*62.24*	
		For Vented Trough Bottom, Add	*70.84*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	314.19	116.40
		For 9" Rung Spacing, Add	*4.89*	
		For 6" Rung Spacing, Add	*20.96*	
		For 4" Rung Spacing, Add	*38.42*	
		For 18" Rung Spacing, Deduct	*-3.49*	
		For Solid Bottom, Add	*68.09*	
		For Vented Trough Bottom, Add	*77.69*	
26 05 36 00-2580		Flextray™ Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-2581		Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*		
		Note: Includes splicing and splice bars.		
26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.89	7.85
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.66	8.38
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.49	8.75
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.41	9.20
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.29	9.65
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.54	10.09
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.48	10.54
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.30	10.84
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.31	11.14
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.01	9.22
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.47	9.60
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.02	10.09
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.79	10.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.87	11.09
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	54.04	11.59
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	57.36	11.97
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	59.73	12.22
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	77.04	13.09
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.98	11.09
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	56.07	11.59
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	58.67	12.09
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	63.40	12.71
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	65.48	12.96
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	81.24	13.34
26 05 36 00-2606		Flextray™ Cable Tray Bends *(26 05 36 00-2580)*		
		Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	20.94	5.85
		Note: Field Fabricated		
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	26.75	6.23
		Note: Field Fabricated		
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	37.49	8.73
		Note: Field Fabricated		
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	59.18	13.83
		Note: Field Fabricated		
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	84.59	19.32
		Note: Field Fabricated		
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	113.88	25.29
		Note: Field Fabricated		
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	129.34	31.66
		Note: Field Fabricated		
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	154.01	38.01
		Note: Field Fabricated		
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	197.27	44.62
		Note: Field Fabricated		
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	27.71	6.85
		Note: Field Fabricated		
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	40.50	9.60
		Note: Field Fabricated		
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	66.00	15.20
		Note: Field Fabricated		
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	93.60	21.19
		Note: Field Fabricated		
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	124.63	27.79
		Note: Field Fabricated		
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	149.97	34.77
		Note: Field Fabricated		
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	181.94	41.75
		Note: Field Fabricated		
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	238.96	48.98
		Note: Field Fabricated		
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	385.34	65.43
		Note: Field Fabricated		
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	73.40	16.58
		Note: Field Fabricated		
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	112.19	23.18
		Note: Field Fabricated		
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	146.67	30.29
		Note: Field Fabricated		
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	175.43	38.01
		Note: Field Fabricated		
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	207.26	45.49
		Note: Field Fabricated		
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	324.89	53.46
		Note: Field Fabricated		
26 05 36 00-2631		Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*		
26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	51.50	16.46
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	55.47	16.46
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	62.25	16.46
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	77.09	17.95
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	83.01	17.95
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	85.00	17.95
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	86.75	17.95

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	108.98	21.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	137.37	25.68
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	182.28	27.79
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	208.86	30.79
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	277.75	43.62
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	314.65	46.73
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box. Note: Isolate each duct and form a continuous raceway through the box in both directions.	508.62	43.62
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	344.77	46.73
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	546.21	61.44
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	770.74	66.80
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level. Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,178.80	44.11
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,356.61	46.73
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	136.07	16.07
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	140.21	16.07
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	75.84	16.07
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	77.50	16.07
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	75.84	18.69
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	77.50	18.69
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	48.50	24.92
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	75.36	24.92
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	108.54	24.92
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	110.61	26.30
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	106.21	3.74
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	111.19	52.34
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	123.93	52.34
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	136.77	52.34
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	123.93	58.58
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	149.90	58.58
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	136.77	62.31
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	136.77	62.31
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	149.90	62.31
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	100.27	46.11
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	117.98	46.11
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	137.03	46.11

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0053			Underfloor Duct Accessories *(26 05 39 00-0001)*		
26 05 39 00-0054			Plugs For Unused Junction Box Openings And Duct Ends *(26 05 39 00-0053)*		
	26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	28.92	3.74
	26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	29.58	3.74
26 05 39 00-0057			Conduit Adapters *(26 05 39 00-0053)*		
	26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	40.49	6.23
	26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	43.02	6.23
	26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	41.78	6.23
	26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	43.09	6.23
26 05 39 00-0062			Holders And Caps *(26 05 39 00-0053)*		
	26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	261.39	52.34
	26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	499.98	52.34
	26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.38	1.24
26 05 39 00-0066			Underfloor Dust Pans *(26 05 39 00-0001)*		
	26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	113.92	6.83

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001			Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43)*		
			Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002			10" Wide Pedestrian Trench *(26 05 43 00-0001)*		
	26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	90.93	
	26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	87.02	
	26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	126.28	
	26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	120.84	
	26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	61.94	
	26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	73.64	
	26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	60.62	
26 05 43 00-0010			20" Wide Pedestrian Trench *(26 05 43 00-0001)*		
	26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	115.41	
	26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	108.49	
	26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	156.51	
	26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	150.20	
	26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	77.65	
	26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	113.13	
	26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	75.80	
26 05 43 00-0018			30" Wide Pedestrian Trench *(26 05 43 00-0001)*		
	26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	147.78	
	26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	173.15	
	26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	184.83	
	26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	177.65	
	26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	111.55	
	26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	150.95	
	26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	94.59	
26 05 43 00-0026			40" Wide Pedestrian Trench *(26 05 43 00-0001)*		
	26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	177.28	
	26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	170.74	
	26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	216.92	
	26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	208.93	
	26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	142.79	
	26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	193.01	
	26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	111.87	
26 05 43 00-0034			Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)*		
			Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035			10" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
	26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	110.15	
	26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	105.07	
	26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	152.94	
	26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	145.92	
	26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	72.62	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	84.84	
	26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	73.43	
	26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	323.43	
26 05 43 00-0044			20" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
	26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	138.86	
	26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	129.94	
	26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	187.44	
	26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	179.29	
	26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	90.01	
	26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	131.31	
	26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	91.82	
	26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	428.89	
26 05 43 00-0053			30" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
	26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	140.66	
	26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	168.20	
	26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	220.03	
	26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	210.74	
	26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	128.60	
	26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	176.19	
	26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	114.87	
	26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	535.37	
26 05 43 00-0062			40" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
	26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	209.27	
	26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	200.83	
	26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	256.16	
	26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	245.81	
	26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	164.63	
	26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	225.23	
	26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	135.32	
	26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	727.76	
26 05 43 00-0071			Precast Concrete Trenches, One Piece H20 Road Crossing Trench *(26 05 43)*		
			Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072			10" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
	26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	236.84	
	26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	225.45	
	26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	296.03	
	26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	281.67	
	26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	227.46	
	26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	216.62	
	26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	286.65	
	26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	272.87	
	26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	157.06	
	26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	212.63	
	26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	142.18	
	26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	197.42	
	26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	109.57	
	26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	350.93	
26 05 43 00-0087			20" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
	26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	251.48	
	26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	239.80	
	26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	332.90	
	26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	317.27	
	26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	251.48	
	26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	239.80	
	26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	323.52	
	26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	308.47	
	26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	224.28	
	26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	305.37	
	26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	202.60	
	26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	283.69	
	26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	122.30	
	26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	520.45	
26 05 43 00-0102			30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
	26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	297.51	
	26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	284.15	
	26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	367.81	
	26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	351.22	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0107		LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	288.13	
26 05 43 00-0108		LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	275.32	
26 05 43 00-0109		LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	358.43	
26 05 43 00-0110		LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	342.09	
26 05 43 00-0111		EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	299.42	
26 05 43 00-0112		EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	396.19	
26 05 43 00-0113		EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	270.95	
26 05 43 00-0114		EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	367.72	
26 05 43 00-0115		LF	Lid, Concrete 30" Wide Road Crossing Trench	154.73	
26 05 43 00-0116		LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	652.58	
26 05 43 00-0117			40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0118		LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	328.91	
26 05 43 00-0119		LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	314.55	
26 05 43 00-0120		LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	404.89	
26 05 43 00-0121		LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	386.87	
26 05 43 00-0122		LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	319.53	
26 05 43 00-0123		LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	305.75	
26 05 43 00-0124		LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	395.51	
26 05 43 00-0125		LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	378.04	
26 05 43 00-0126		EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	371.68	
26 05 43 00-0127		EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	491.50	
26 05 43 00-0128		EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	336.74	
26 05 43 00-0129		EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	456.56	
26 05 43 00-0130		LF	Lid, Concrete 40" Wide Road Crossing Trench	186.93	
26 05 43 00-0131		LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	887.26	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003		EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	1,006.64	327.36
			For Class 1 Pole, Add	*123.13*	
			For Class 2 Pole, Add	*70.36*	
			For Class 4 Pole, Deduct	*-35.18*	
			For Class 5 Pole, Deduct	*-105.54*	
			For Class 6 Pole, Deduct	*-140.72*	
26 05 46 00-0004		EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,204.11	363.20
			For Class 1 Pole, Add	*167.18*	
			For Class 2 Pole, Add	*95.53*	
			For Class 4 Pole, Deduct	*-47.77*	
			For Class 5 Pole, Deduct	*-143.30*	
			For Class 6 Pole, Deduct	*-191.06*	
26 05 46 00-0005		EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,561.24	480.36
			For Class 1 Pole, Add	*210.23*	
			For Class 2 Pole, Add	*120.13*	
			For Class 4 Pole, Deduct	*-60.07*	
			For Class 5 Pole, Deduct	*-180.20*	
			For Class 6 Pole, Deduct	*-240.26*	
26 05 46 00-0006		EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,786.01	528.34
			For Class 1 Pole, Add	*255.28*	
			For Class 2 Pole, Add	*145.87*	
			For Class 4 Pole, Deduct	*-72.94*	
			For Class 5 Pole, Deduct	*-218.81*	
			For Class 6 Pole, Deduct	*-291.74*	
26 05 46 00-0007		EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,040.82	588.46
			For Class 1 Pole, Add	*302.33*	
			For Class 2 Pole, Add	*172.76*	
			For Class 4 Pole, Deduct	*-86.38*	
			For Class 5 Pole, Deduct	*-259.14*	
			For Class 6 Pole, Deduct	*-345.52*	
26 05 46 00-0008		EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,321.89	660.42
			For Class 1 Pole, Add	*350.38*	
			For Class 2 Pole, Add	*200.22*	
			For Class 4 Pole, Deduct	*-100.11*	
			For Class 5 Pole, Deduct	*-300.32*	
			For Class 6 Pole, Deduct	*-400.43*	
26 05 46 00-0009		EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,596.99	726.40
			For Class 1 Pole, Add	*400.43*	
			For Class 2 Pole, Add	*228.82*	
			For Class 4 Pole, Deduct	*-114.41*	
			For Class 5 Pole, Deduct	*-343.23*	
			For Class 6 Pole, Deduct	*-457.64*	
26 05 46 00-0010		EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,901.94	798.79
			For Class 1 Pole, Add	*456.49*	
			For Class 2 Pole, Add	*260.85*	
			For Class 4 Pole, Deduct	*-130.43*	
			For Class 5 Pole, Deduct	*-391.28*	
			For Class 6 Pole, Deduct	*-521.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,746.54	870.62
		For Class 1 Pole, Add	*1,051.83*	
		For Class 2 Pole, Add	*601.05*	
		For Class 4 Pole, Deduct	*-300.52*	
		For Class 5 Pole, Deduct	*-901.57*	
		For Class 6 Pole, Deduct	*-1,202.10*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,212.05	926.13
		For Class 1 Pole, Add	*1,175.91*	
		For Class 2 Pole, Add	*671.95*	
		For Class 4 Pole, Deduct	*-335.98*	
		For Class 5 Pole, Deduct	*-1,007.93*	
		For Class 6 Pole, Deduct	*-1,343.90*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	5,728.92	989.17
		For Class 1 Pole, Add	*1,312.68*	
		For Class 2 Pole, Add	*750.10*	
		For Class 4 Pole, Deduct	*-375.05*	
		For Class 5 Pole, Deduct	*-1,125.15*	
		For Class 6 Pole, Deduct	*-1,500.20*	
26 05 46 00-0014		Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	27.90	
26 05 46 00-0016		Crossarms *(26 05 46)*		
		Note: Includes hardware and braces.		
26 05 46 00-0017		Wood Single Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	238.82	97.64
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	288.71	97.64
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	303.12	125.53
26 05 46 00-0021		Wood Double Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	615.14	271.98
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	654.99	271.98
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	681.87	271.98
26 05 46 00-0025		Fiberglass Crossarms *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		Single Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	269.42	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	340.37	58.58
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	354.32	62.76
26 05 46 00-0030		Two Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	424.31	75.31
26 05 46 00-0032		Fiberglass Crossarm Accessories *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	680.05	96.24
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	806.02	117.16
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	118.27	16.73
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	591.34	83.69
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	466.38	139.48
26 05 46 00-0038		Insulator Support System *(26 05 46 00-0016)*		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	140.05	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	114.41	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	330.90	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	223.75	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	99.69	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	87.50	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	303.99	
26 05 46 00-0048		Guying *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	1,010.56	390.54
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	1,032.09	390.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,076.36	390.54
26 05 46 00-0053	EA	Guy Guard, Plastic	47.07	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,434.60	599.76
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,434.60	599.76
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,434.60	599.76
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	594.72	292.91
26 05 46 00-0060		**Insulators** *(26 05 46)*		
26 05 46 00-0061		**Pin Insulator With Pin** *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	187.02	83.69
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	192.31	83.69
26 05 46 00-0064		**Suspension Insulator** *(26 05 46 00-0060)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	237.33	111.58
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	251.71	111.58
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	352.80	139.48
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	558.41	223.16
26 05 46 00-0069		**Spool Insulator With Clevis** *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	79.02	34.87
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	253.22	125.53
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	328.43	125.53
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	156.99	69.74
26 05 46 00-0075	EA	2 Spool Secondary Rack	161.64	88.99
26 05 46 00-0076	EA	3 Spool Secondary Rack	242.06	118.55
26 05 46 00-0077	EA	4 Spool Secondary Rack	272.07	118.55
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)*		
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,903.45	474.22
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,611.97	474.22
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,316.71	802.00
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,605.11	802.00
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,992.42	474.22
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,359.64	474.22
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,316.71	802.00
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,605.11	802.00
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,607.56	550.94
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,429.89	550.94
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,958.94	948.45
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,256.80	948.45
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	4,222.36	592.79
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	4,719.50	627.65
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	5,112.98	697.39
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	5,660.32	767.13
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	7,772.67	836.86
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	5,081.53	1,046.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	5,734.55	1,147.43
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	6,724.62	1,282.42
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	7,576.01	1,417.41
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	5,553.12	1,721.14
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	10,683.92	2,024.87
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	12,599.95	2,294.86
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	15,212.41	2,834.82
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	17,036.44	3,104.80

26 05 46 00-0111 Aluminum Tapered Poles *(26 05 46)*

26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0111)*

26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,900.21	523.04
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,492.53	557.91
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,321.55	627.65
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,516.50	697.39
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,484.57	767.13

26 05 46 00-0118 Steel Service Poles Distribution *(26 05 46)*

Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.

26 05 46 00-0119 Round Tapered Pole *(26 05 46 00-0118)*

26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,399.07	836.86
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,290.84	906.61
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,700.02	976.35
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,898.43	1,115.83
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,798.97	1,255.31
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,533.02	1,586.16
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,828.53	1,799.44
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	14,173.08	2,024.87
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,891.06	2,294.86
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	16,985.74	2,429.85
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	18,411.84	2,699.84
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	20,259.65	3,037.31
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	22,325.74	3,442.29

26 05 46 00-0133 12 Sided Tapered *(26 05 46 00-0118)*

26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,392.67	836.86
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,370.95	906.61
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,492.54	976.35
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,615.29	1,115.83
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,825.74	1,255.31
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,603.02	1,586.16
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,560.72	1,799.44
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	23,180.52	2,024.87
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,887.19	2,294.86
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	26,365.63	2,429.85
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,945.04	2,699.84
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	31,760.53	3,037.31
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,902.12	3,442.29
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	36,199.37	3,847.25

26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0118)*

26 05 46 00-0149	EA	Ladder Clips	23.16	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	173.76	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	174.77	

26 05 46 00-0152 Arms With Baseplates And Endplates *(26 05 46 00-0118)*

26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	905.15	139.48
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	990.06	139.48
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	1,215.55	209.22
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	1,289.82	209.22
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	1,513.16	278.95
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	1,598.02	278.95
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	2,130.26	348.70
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	2,225.53	348.70

26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle *(26 05 46 00-0118)*

26 05 46 00-0162	EA	15,000 LB Standard Vangs Load Bearing At Any Angle	348.98	139.48
26 05 46 00-0163	EA	30,000 LB Standard Vangs Load Bearing At Any Angle	400.99	139.48
26 05 46 00-0164	EA	45,000 LB Standard Vangs Load Bearing At Any Angle	472.13	139.48

26 05 46 00-0165 Armless Construction Brackets *(26 05 46 00-0118)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	357.45	139.48
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	390.30	139.48
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	443.66	139.48
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	617.76	209.22
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	648.92	209.22
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	331.88	139.48
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	400.90	139.48
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	584.34	209.22
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	747.22	209.22
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	954.86	278.95
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	1,041.31	278.95
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	341.90	139.48
26 05 46 00-0181	EA	Pole Top Bracket - 5"	358.66	139.48
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	339.63	139.48
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	394.06	139.48
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	351.77	139.48
26 05 46 00-0187	EA	Static Wire Support Bracket	356.99	139.48
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	313.42	139.48
26 05 46 00-0190	EA	Equipment Mounting T Bracket	335.98	139.48
26 05 46 00-0191	EA	15 KV Cutout	439.23	
26 05 46 00-0192	EA	9/10 KV Arrestor	407.50	139.48
26 05 46 00-0193		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	389.24	139.48
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	372.58	139.48
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	950.40	139.48
26 05 46 00-0197		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)*		
		Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,095.57	348.70
26 05 46 00-0199		**Octagonal Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,689.49	836.86
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,700.17	906.61
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,859.53	976.35
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	13,014.66	1,185.56
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	17,376.23	1,255.31
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	19,196.68	1,586.16
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	22,251.53	1,687.39
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,917.19	2,024.87
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,667.03	2,159.86
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	27,191.36	2,429.85
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,886.80	2,564.84
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	32,750.87	3,037.31
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,941.03	3,239.80
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	37,292.24	3,644.77
26 05 46 00-0214		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	48.81	
26 05 46 00-0216		**Special Steel Bases For Poles** *(26 05 46 00-0118)*		
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	311.90	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	348.27	69.74
26 05 46 00-0219	EA	Series 4, 40' Pole And less	415.59	80.20
26 05 46 00-0220	EA	Series 5, 50' Pole And less	475.93	87.17

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.00	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	14.62	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	15.88	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	16.12	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	16.37	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	16.75	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.64	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	20.13	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.51	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	20.89	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.67	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	22.51	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	23.24	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	23.98	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	26.33	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	27.70	

26 05 53 00-0018 Labeling Existing Electrical Wires *(26 05 53)*

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Existing Wire	3.84	

26 05 53 00-0020 Equipment Labeling *(26 05 53)*

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	24.53	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	19.62	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	29.44	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	24.53	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001 Tape Wrapped Compression Connectors *(26 05 83)*

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	15.87	5.61
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.32	6.23
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	18.62	6.85
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	21.37	7.48
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.01	8.10
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	25.45	8.73
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.25	9.35
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	29.63	9.97
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	32.83	11.21
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	34.47	11.84
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	38.09	12.47
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	41.29	13.09
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	46.02	14.33
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	53.23	16.20

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	21.25	16.20
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	21.38	16.20
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	24.17	17.45
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	29.68	19.32
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	41.81	24.92
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	49.12	24.92
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	56.52	24.92
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	69.75	37.39
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	81.88	37.39
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	95.85	37.39
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	115.63	49.85
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	137.15	74.78
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	156.88	74.78
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	168.65	74.78
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	183.54	87.24
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	200.60	87.24
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	218.06	99.70
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	255.64	112.16

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	43.27	21.19
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	46.39	22.56
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	48.97	22.56
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	56.35	25.93
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	69.57	32.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	81.69	38.51
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	95.64	45.12
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	115.39	54.71
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	136.87	64.93
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	156.55	74.15
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	168.31	79.88
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	183.14	86.50
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	200.16	94.46
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	218.53	102.44
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	269.81	124.63

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	65.05	49.85
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	71.53	53.59
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	81.50	56.08
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	94.43	62.31
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	111.27	68.55
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	124.11	74.78
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	154.89	81.00
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	166.15	87.24
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	175.03	93.47
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	198.75	102.82
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	222.47	149.55
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	243.35	124.63
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	264.23	168.25
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	291.48	174.48
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	328.34	186.94

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	105.18	49.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.17*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	117.31	49.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.67*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	162.65	74.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.54*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	185.04	74.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.93*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	221.05	93.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.65*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	308.28	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.89*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,069.90	461.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.95*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	258.25	62.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.81*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	283.24	62.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.21*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	43.26	22.56
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	46.39	22.56
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	48.97	22.56
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	56.35	25.93
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	69.57	32.40
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	81.69	38.51
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	95.64	45.12
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	115.39	54.71
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	136.87	64.93
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	156.55	74.15
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	168.31	79.88
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	183.14	86.50
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	200.16	94.46
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	200.56	94.46
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	43.26	22.56
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	46.39	22.56
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	48.97	22.56
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	56.35	25.93
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	69.57	32.40
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	81.69	38.51
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	95.64	45.12
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	115.39	54.71
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	136.87	64.93
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	156.55	74.15
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	168.31	79.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	183.14	86.50
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	200.16	94.46
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	200.56	94.46

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	35.25	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	42.32	18.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	48.90	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	63.94	27.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.69*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	86.11	37.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	102.58	43.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.06*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	119.88	49.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	136.42	55.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.54*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	156.09	62.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	175.47	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.14*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	194.78	74.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	213.94	81.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.57*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	233.43	87.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.34*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	264.58	99.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.63*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	299.53	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	67.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	65.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.22	5.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.30	5.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.38	5.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.42*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.97	31.16
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.48	31.16
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	89.54	37.39
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.32	46.73
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.30	46.73
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.50	46.73
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	113.74	46.73
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	145.30	62.31
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.94	62.31
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	188.26	77.89

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.48	31.16
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	89.54	37.39
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.32	46.73
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.30	46.73
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.50	46.73
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	113.74	46.73
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	145.30	62.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.94	62.31
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	188.26	77.89
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	193.18	77.89
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	243.73	93.47
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	251.22	93.47
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	342.76	124.63
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	429.67	155.78
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	506.36	186.94
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	602.71	218.10
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	692.79	249.26
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	859.84	311.57
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,015.47	370.77
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,202.66	432.46
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,713.92	648.56
26 05 83 00-0164		AC Three Phase, 460 Volt *(26 05 83 00-0130)*		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.48	31.16
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	89.54	37.39
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.32	46.73
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.30	46.73
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.50	46.73
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	113.74	46.73
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	145.30	62.31
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.94	62.31
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	188.26	77.89
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	193.18	77.89
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	243.74	93.47
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	251.21	93.47
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	342.76	124.63
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	430.04	156.04
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	506.36	186.94
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	602.71	218.10
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	692.79	249.26
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	859.84	311.57
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,015.83	370.89
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,203.14	432.71
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,715.00	649.06
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.97	31.16
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	843.36	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 13 Electrical Power Monitoring *(26 09)*

26 09 13 00-0001		Vending Machine Energy Usage Controls *(26 09 13)*		
26 09 13 00-0002	EA	Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM150)	429.72	12.49
26 09 13 00-0003	EA	Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM151)	381.64	6.24
26 09 13 00-0004	EA	Weatherproof Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM151)	450.83	12.49
26 09 13 00-0005	EA	Weatherproof Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM161)	402.75	6.24
26 09 13 00-0006	EA	Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM170)	417.24	9.99
26 09 13 00-0007	EA	Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM171)	375.39	4.99
26 09 13 00-0008	EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM180)	438.35	9.99
26 09 13 00-0009	EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM181)	396.50	4.99
26 09 13 00-0010	EA	Wallmount CoolerMiser With PIR Occupany Sensor (Energy Miser CM150)	389.61	12.49
26 09 13 00-0011	EA	Wallmount CoolerMiser With 14' Data Cable (Energy Miser CM151)	341.53	6.24
26 09 13 00-0012	EA	Velcro Mounted Easy-Install CoolerMiser With PIR Occupany Sensor (Energy Miser CM170)	377.13	9.99
26 09 13 00-0013	EA	Velcro Mounted Easy-Install CoolerMiser With 14' Data Cable (Energy Miser CM171)	335.28	4.99
26 09 13 00-0014	EA	Wallmount SnackMiser With PIR Occupany Sensor (Energy Miser SM150)	389.61	12.49
26 09 13 00-0015	EA	Wallmount SnackMiser With 14' Data Cable (Energy Miser SM151)	341.53	6.24
26 09 13 00-0016	EA	Velcro Mounted Easy-Install SnackMiser With PIR Occupany Sensor (Energy Miser SM170)	377.13	9.99
26 09 13 00-0017	EA	Velcro Mounted Easy-Install SnackMiser With 14' Data Cable (Energy Miser SM171)	335.28	4.99
26 09 13 00-0018	EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With PIR Occupany Sensor (Energy Miser PM150)	389.61	12.49
26 09 13 00-0019	EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With 14' Data Cable (Energy Miser PM151)	341.53	6.24
26 09 13 00-0020	EA	1200 Watt, Multi Plug Load, Table Leg Mount PlugMiser With PIR Occupany Sensor (Energy Miser PM190)	389.61	12.49
26 09 13 00-0021	EA	Wattsup Line Logger (Energy Miser 60500)	294.16	18.72
26 09 13 00-0022	EA	Wattsup Pro Line Logger (Energy Miser 60501)	368.05	18.72
26 09 13 00-0023	EA	Test Drive Kit And Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser TD150)	703.24	24.96
26 09 13 00-0024	EA	Test Drive Kit And Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser TD170)	690.75	22.46

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 13 00-0025		Work Station Energy Usage Controls *(26 09 13)*		
26 09 13 00-0026	EA	Power Strip With Personal Sensor (Wattstopper IDP-3050-A)	185.38	12.49

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*
Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	540.88	99.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.82*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	670.90	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,263.68	174.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.69*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,975.61	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.08*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,155.37	311.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.94*	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	610.92	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	735.23	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,366.07	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.64*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,132.41	261.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.03*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,458.79	342.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.64*	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	720.97	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	868.04	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,656.08	224.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.60*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,556.58	286.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.98*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,706.02	373.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.33*	

26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	891.42	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,811.10	174.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.69*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,730.78	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.08*	

26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,280.81	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,985.81	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.64*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,009.40	261.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.03*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	6,990.07	342.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.64*	

26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,207.71	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,991.84	224.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.60*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,726.13	286.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.98*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	903.89	99.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.82*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,152.18	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,223.43	174.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.69*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,338.77	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.08*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,482.04	311.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.94*	
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	935.99	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,216.52	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,328.63	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.64*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,494.64	261.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.03*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,784.52	342.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.64*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,011.17	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,349.33	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,992.98	224.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.60*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,293.14	286.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.98*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	9,063.74	373.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.33*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,717.99	174.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.69*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,857.91	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.08*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,610.10	311.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.94*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,903.64	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.64*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,101.77	261.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.03*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,489.28	224.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.60*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,059.89	286.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.98*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	805.45	99.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.82*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	916.70	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,742.15	174.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.69*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,428.74	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.08*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,626.42	311.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.94*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*			
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		860.11	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*67.30*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		982.91	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*74.78*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		1,847.35	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*119.64*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		2,586.48	261.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*157.03*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		6,328.57	342.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*205.64*	
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*			
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		928.11	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*74.78*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		1,047.24	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*82.25*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		2,162.69	224.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*134.60*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		3,037.86	286.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*171.98*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor		7,646.16	373.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*224.33*	
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*			
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*			
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		1,214.60	99.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*59.82*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		1,397.99	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*67.30*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		2,704.71	174.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*104.69*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		3,791.91	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*142.08*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		7,951.22	311.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*186.94*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*			
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		1,282.59	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*67.30*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		1,464.20	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*74.78*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		2,809.92	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*119.64*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		3,950.59	261.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*157.03*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		8,655.24	342.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*205.64*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*			
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		1,355.72	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*74.78*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		1,528.52	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*82.25*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		3,499.59	224.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*134.60*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		4,774.42	286.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*171.98*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor		10,935.40	373.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*224.33*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*			
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*			
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor		754.80	112.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*67.30*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor		1,395.93	199.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*104.69*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor		1,902.12	236.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*142.08*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor		4,437.01	311.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*186.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	803.58	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	5,987.26	373.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.33*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,561.82	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,448.26	219.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.61*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,961.65	287.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.73*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,251.32	377.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.20*	
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,843.84	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,424.05	219.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.61*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,409.44	287.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.73*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	11,661.68	377.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.20*	
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0130		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0131		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,708.18	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,954.87	219.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.61*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,441.53	287.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.73*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,614.96	377.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.20*	
26 09 23 00-0136		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,991.60	137.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.25*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,933.48	219.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.61*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,890.72	287.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.73*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,025.32	377.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.20*	
26 09 23 00-0142		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	121.07	32.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.47*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	130.38	32.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.47*	
26 09 23 00-0145		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,754.36	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,265.54	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,785.83	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.78*	
26 09 23 00-0149		Dimming Module Contol (Leviton) *(26 09 23)*		
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	226.96	15.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.36*	
26 09 23 00-0151		Light Control Panels *(26 09 23)*		
26 09 23 00-0152		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)*		
26 09 23 00-0153		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,958.09	174.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.85*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,836.73	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,065.32	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,088.30	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,356.67	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,177.93	174.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.85*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,336.96	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,605.07	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,195.55	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,463.91	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0164		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	189.85	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	146.12	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	77.16	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0168		Lighting Control Panels (Synergy) *(26 09 23 00-0151)*		
26 09 23 00-0169		Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,783.70	187.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
26 09 23 00-0171		Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	682.29	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	264.27	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	150.07	18.72
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.24*	
26 09 23 00-0175			Lighting Switching Panels (Lutron) *(26 09 23 00-0151)*		
26 09 23 00-0176			Lighting Switching Panels (Lutron) *(26 09 23 00-0175)*		
	26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,266.35	187.24
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.34*	
	26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,105.49	199.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.83*	
	26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,065.02	212.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.32*	
26 09 23 00-0180			Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) *(26 09 23 00-0151)*		
	26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,517.33	174.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.85*	
	26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,729.66	174.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.85*	
	26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,941.99	174.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.85*	
26 09 23 00-0184			Power Filters *(26 09 23 00-0151)*		
	26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	29,944.32	1,038.52
	26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	17,623.41	451.52
26 09 23 00-0187			Signal Filters *(26 09 23 00-0151)*		
	26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	13,964.08	944.18
	26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	9,514.12	577.02
	26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	5,314.57	335.00
	26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	7,172.38	335.00
26 09 23 00-0192			Lighting Control Devices (Encelium) *(26 09 23)*		
	26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,081.51	124.83
	26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,351.92	124.83
	26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,826.46	124.83
	26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,176.09	124.83
	26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	127.24	15.60
	26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	197.09	15.60
	26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	248.03	31.21
	26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	299.37	31.21
	26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	158.44	31.21
	26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	228.29	31.21
	26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	575.05	62.41
	26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	431.56	62.41
	26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	792.28	62.41
	26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	269.40	62.41
	26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	888.37	62.41
	26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,323.47	249.65
	26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	6,904.56	62.41
	26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	258.30	15.60
	26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	315.05	15.60
	26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	301.36	15.60
	26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	315.05	15.60
	26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	301.36	15.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	227.63	15.60
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	315.05	15.60
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	301.36	15.60
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	222.11	15.60
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	94.40	15.60
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	76.77	31.21
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	77.37	31.21
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	82.21	31.21
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	86.98	31.21
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	92.68	31.21
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	97.82	31.21
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	104.13	31.21
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	132.66	31.21
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	853.90	31.21
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	207.22	31.21
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,102.41	31.21
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	644.84	62.41
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	644.84	62.41
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	644.84	62.41
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	335.62	62.41
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	325.25	62.41
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	332.17	62.41
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	366.73	62.41
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	332.17	62.41
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	263.07	62.41
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	278.86	62.41
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	278.86	62.41
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	147.22	62.41
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	340.72	62.41
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	481.59	62.41
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	422.01	62.41
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	449.66	62.41
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	463.49	62.41
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	418.55	62.41
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	349.46	62.41
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	436.88	62.41
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	433.26	62.41
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	480.41	62.41
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	465.91	62.41
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	501.34	62.41
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	466.06	62.41
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	466.06	62.41
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	306.81	62.41
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	328.53	62.41
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	574.57	62.41
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	614.45	62.41
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	453.56	62.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	472.83	62.41
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,355.47	124.83
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,237.08	499.30
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,180.17	499.30
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,123.25	499.30
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	677.74	62.41
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	776.48	62.41
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,099.51	62.41
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	286.21	31.21
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	338.87	31.21
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	340.18	31.21
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	352.60	31.21
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	263.56	15.60
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	559.26	62.41
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	348.63	62.41
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	348.63	62.41
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	401.29	62.41
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	401.29	62.41
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	263.56	15.60
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	559.26	62.41
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	255.01	15.60
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	255.01	15.60
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	255.01	15.60
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	263.56	15.60
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	559.26	62.41
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	348.63	62.41
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	348.63	62.41
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	401.29	62.41
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	401.29	62.41
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	255.01	15.60
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	263.56	15.60
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	559.26	62.41
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	155.10	62.41
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	732.48	62.41

26 09 23 00-0310 Lighting Control Sensors *(26 09 23)*

26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	390.53	28.08
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	390.53	28.08
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	342.00	28.08
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	102.96	18.72
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	8.27	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	67.08	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	11.80	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0318		Radio Controlled Devices (Lutron) *(26 09 23)*		
26 09 23 00-0319		Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0320		Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	515.44	18.72
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	670.40	18.72
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	844.72	18.72
26 09 23 00-0324		Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	515.44	18.72
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	612.29	18.72
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	844.72	18.72
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	515.44	18.72
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	670.40	18.72
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	844.72	18.72
26 09 23 00-0331		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	670.40	18.72
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	844.72	18.72
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	844.72	18.72
26 09 23 00-0335		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	515.44	18.72
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	670.40	18.72
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	612.29	18.72
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	747.88	18.72
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	670.40	18.72
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	805.98	18.72
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	670.40	18.72
26 09 23 00-0343		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	515.44	18.72
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	670.40	18.72
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	670.40	18.72
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	844.72	18.72
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	670.40	18.72
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	844.72	18.72
26 09 23 00-0350		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	515.44	18.72
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	670.40	18.72
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	844.72	18.72
26 09 23 00-0354		Accessories For Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	108.69	18.72
26 09 23 00-0356		Wall Box Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	476.71	18.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	515.44	18.72
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	515.44	18.72
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	515.44	18.72
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	515.44	18.72
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	515.44	18.72
26 09 23 00-0363		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	476.71	18.72
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	476.71	18.72
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	476.71	18.72
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	968.69	18.72
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,387.06	18.72
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,387.06	18.72
26 09 23 00-0370		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	612.29	18.72
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	689.77	18.72
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	805.98	18.72
26 09 23 00-0374		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	902.83	18.72
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,241.79	18.72
26 09 23 00-0377		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0378		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0377)*		
26 09 23 00-0379	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	139.08	24.96
26 09 23 00-0380	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	163.74	24.96
26 09 23 00-0381	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	255.65	24.96
26 09 23 00-0382	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	97.94	24.96
26 09 23 00-0383	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	119.48	24.96
26 09 23 00-0384	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	106.98	24.96
26 09 23 00-0385	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	128.96	24.96
26 09 23 00-0386		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0377)*		
26 09 23 00-0387	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	133.39	24.96
26 09 23 00-0388	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	144.77	24.96
26 09 23 00-0389	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	173.22	24.96
26 09 23 00-0390	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	185.70	31.21
26 09 23 00-0391	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	229.18	24.96
26 09 23 00-0392	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	76.01	24.96
26 09 23 00-0393	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	91.66	24.96
26 09 23 00-0394	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	81.71	24.96
26 09 23 00-0395	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	97.35	24.96
26 09 23 00-0396	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	258.09	43.69
26 09 23 00-0397		**Removal And Reinstallation Of Occupancy Sensors** *(26 09 23)*		
26 09 23 00-0398	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	84.25	
26 09 23 00-0399	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	56.17	
26 09 23 00-0400		**Occupancy Sensors (Watt Stopper)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0401		**Occupancy Sensors** *(26 09 23 00-0400)* Note: Exclude boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 09 23 00-0402 Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0401)*

26 09 23 00-0403 Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*

26 09 23 00-0404	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	137.89	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0405	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	162.90	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	

26 09 23 00-0406 Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*

26 09 23 00-0407	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	113.71	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0408	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	106.13	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0409	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	120.28	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0410	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	139.40	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0411	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	137.83	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	

26 09 23 00-0412 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*

26 09 23 00-0413	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	200.98	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0414	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	216.80	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	

26 09 23 00-0415 Wall Switch Mounted Occupancy Sensor Accessories *(26 09 23 00-0402)*

26 09 23 00-0416	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.75	3.12
26 09 23 00-0417	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.01	3.12
26 09 23 00-0418	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.01	3.12

26 09 23 00-0419 Ceiling Mounted Occupancy Sensors *(26 09 23 00-0401)*

26 09 23 00-0420 Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0419)*

26 09 23 00-0421 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0420)*

26 09 23 00-0422	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	181.36	28.08
26 09 23 00-0423	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	208.56	28.08
26 09 23 00-0424	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	235.96	28.08
26 09 23 00-0425	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	233.49	28.08

26 09 23 00-0426 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0420)*

26 09 23 00-0427	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	197.46	28.08
26 09 23 00-0428	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	225.05	28.08
26 09 23 00-0429	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	251.17	28.08
26 09 23 00-0430	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	255.60	28.08
26 09 23 00-0431	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	213.95	28.08
26 09 23 00-0432	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	242.22	28.08
26 09 23 00-0433	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	270.39	28.08
26 09 23 00-0434	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	278.50	28.08

26 09 23 00-0435 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0420)*

26 09 23 00-0436	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	205.43	28.08
26 09 23 00-0437	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	238.39	28.08
26 09 23 00-0438	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	265.98	28.08
26 09 23 00-0439	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	193.28	28.08
26 09 23 00-0440	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	234.83	28.08
26 09 23 00-0441	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	248.28	28.08
26 09 23 00-0442	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	207.14	28.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0443	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	231.06	28.08
26 09 23 00-0444	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	260.59	28.08
26 09 23 00-0445		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0446	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	149.61	28.08
26 09 23 00-0447	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	152.82	28.08
26 09 23 00-0448	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	160.43	28.08
26 09 23 00-0449	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	180.84	28.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0450	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	183.32	28.08
26 09 23 00-0451	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	194.00	28.08
26 09 23 00-0452	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	211.10	28.08
26 09 23 00-0453		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0454	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	250.94	28.08
26 09 23 00-0455	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	287.11	28.08
26 09 23 00-0456	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	243.26	28.08
26 09 23 00-0457		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0401)*		
26 09 23 00-0458		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0457)*		
26 09 23 00-0459	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	308.79	28.08
26 09 23 00-0460	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	308.79	28.08
26 09 23 00-0461		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0457)*		
26 09 23 00-0462	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	287.11	28.08
26 09 23 00-0463		**Occupancy Sensor Power Packs** *(26 09 23 00-0400)*		
26 09 23 00-0464		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0465	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	100.50	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0466	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	91.32	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0467		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0468	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	83.75	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0469		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0463)*		
26 09 23 00-0470	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	111.45	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0471		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0472	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	100.92	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0473	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	101.00	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0474		**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0475	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	127.55	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0476	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	129.37	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0477		**Occupancy Sensor Power Supplies** *(26 09 23 00-0463)*		
26 09 23 00-0478	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	115.75	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0479	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	262.17	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0480		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0481	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	347.56	24.96
26 09 23 00-0482		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0463)*		
26 09 23 00-0483	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	110.41	24.96
26 09 23 00-0484		Occupancy Sensor Accessories *(26 09 23 00-0400)*		
26 09 23 00-0485		Protective Cages For Occupancy Sensors *(26 09 23 00-0484)*		
26 09 23 00-0486	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	63.83	9.36
26 09 23 00-0487		Mounting Brackets For Occupancy Sensors *(26 09 23 00-0484)*		
26 09 23 00-0488	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	49.23	15.60
26 09 23 00-0489		Occupancy/Lighting Logger *(26 09 23 00-0484)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0490	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	475.27	53.05
26 09 23 00-0491		Digital Time Light Switches *(26 09 23 00-0400)*		
26 09 23 00-0492	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	102.55	12.49
26 09 23 00-0493		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0400)*		
26 09 23 00-0494	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	224.38	40.57
26 09 23 00-0495		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0496		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0495)* Note: Exclude boxes		
26 09 23 00-0497		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		
26 09 23 00-0498		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)*		
26 09 23 00-0499	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	218.65	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
26 09 23 00-0500	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	154.09	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0501	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	146.99	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0502	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	146.99	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0503	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	186.37	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0504	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	186.37	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
26 09 23 00-0505	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	226.74	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
26 09 23 00-0506	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	186.37	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
26 09 23 00-0507		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	283.22	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
26 09 23 00-0509	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	218.65	12.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0510	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	213.82	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0511	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	213.82	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0512	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	250.94	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 09 23 00-0513	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	250.94	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
26 09 23 00-0514	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	270.31	12.49
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
26 09 23 00-0515		**Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)** *(26 09 23 00-0497)*		
26 09 23 00-0516	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	19.15	3.12
26 09 23 00-0517	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	19.15	3.12
26 09 23 00-0518	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	38.52	3.12
26 09 23 00-0519	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	38.52	3.12
26 09 23 00-0520		**360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0496)*		
26 09 23 00-0521		**Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0520)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0522	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0523	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0525	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	266.00	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0526	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	266.00	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0527	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	214.35	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	330.57	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0529	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	330.57	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	278.92	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	266.00	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	266.00	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	214.35	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	330.57	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	330.57	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	278.92	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0541	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0542	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0543	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0544	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	298.29	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0545	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	298.29	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0546	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	246.64	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0547	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	362.85	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0548	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	362.85	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0549	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	311.20	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0550	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0551	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0552	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
26 09 23 00-0553	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	298.29	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0554	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	298.29	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0555	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	246.64	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Photocell Option With Dimming Capability, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	362.85	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0557	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	362.85	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0558	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	311.20	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Photocell Option With Dual Zone On/Off, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

26 09 23 00-0561	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
26 09 23 00-0562	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	282.15	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
26 09 23 00-0563	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	346.71	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Ceiling Mount, Add	*29.35*	
26 09 23 00-0564	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	330.57	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	395.13	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

26 09 23 00-0566 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0567	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
26 09 23 00-0568	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	362.85	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0569	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	427.42	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell (Inhibit Mode Only) Option, Add	*17.61*	
		For Ceiling Mount, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0570		High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		
26 09 23 00-0571		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0570)*		
26 09 23 00-0572	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0573	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0574	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	249.86	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0575	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	214.35	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0576	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	214.35	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0577	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	214.35	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0578	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	278.92	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0579	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	278.92	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0580	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	278.92	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0581	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	236.95	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0582	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	236.95	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0583	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	236.95	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	236.95	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0585	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	236.95	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0586	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	236.95	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0587	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	282.15	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0588	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	282.15	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	282.15	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0590	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	343.48	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	343.48	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0592	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	343.48	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Photocell Option, Add	*29.35*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0593	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	301.52	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0594	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	301.52	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0595	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	253.09	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0596	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	253.09	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0597	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	253.09	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0598	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	253.09	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Photocell Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	282.15	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	282.15	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Low Voltage Relay Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
26 09 23 00-0601	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	343.48	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0602	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	343.48	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Start To High, HID Option, Add	*17.61*	
		For Occupancy Controlled Dimming Option, Add	*29.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0603	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	330.57	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	298.29	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0605	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	298.29	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0495)*

26 09 23 00-0607	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	140.32	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0608	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	204.88	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0609	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	108.04	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0610	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	98.35	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0611	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	130.64	24.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0612	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	211.34	24.96
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0613	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	211.34	24.96
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	
26 09 23 00-0614	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	211.34	24.96
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.98*	

26 09 23 00-0615 Daylighting Control (Sensor Switch) *(26 09 23 00-0495)*

26 09 23 00-0616	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0617	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0618	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0619	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For 480 Volt AC Option, Add	*20.54*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0620	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For 480 Volt AC Option, Add	*20.54*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0621	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For 480 Volt AC Option, Add	*20.54*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0622	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0623	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0624	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0625	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0626	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0627	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	217.58	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0628	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0629	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0630	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
26 09 23 00-0631	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0632	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 09 23 00-0633	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	314.43	28.08
		For Low Temp/High Humidity Option, Add	*14.67*	
		For Dual Zone Option, Add	*44.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	

26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0635 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0634)*

Note: Excludes boxes.

26 09 23 00-0636 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

26 09 23 00-0637 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0636)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0638	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	340.13	12.49

26 09 23 00-0639 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

26 09 23 00-0640 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0641	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	402.51	28.08
26 09 23 00-0642	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	402.51	28.08
26 09 23 00-0643	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	402.51	28.08

26 09 23 00-0644 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0645	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	471.77	28.08
26 09 23 00-0646	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	471.77	28.08
26 09 23 00-0647	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	489.06	28.08

26 09 23 00-0648 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

26 09 23 00-0649 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0648)*

Note: Includes passive infrared and microphonics detection

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	471.77	28.08
26 09 23 00-0651		**High Bay Occupancy Sensors (Sensor Switch nLight®)** *(26 09 23 00-0635)*		
26 09 23 00-0652		**Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)** *(26 09 23 00-0651)*		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	402.51	28.08
26 09 23 00-0654		**Occupancy Sensor Power Packs (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	136.51	24.96
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	171.18	24.96
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	230.02	24.96
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	230.02	24.96
26 09 23 00-0659		**Occupancy Sensor Accessories (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	489.06	28.08
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	393.64	28.08
26 09 23 00-0662		**Daylighting Controls (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	333.24	28.08
26 09 23 00-0664		**Controls (Sensor Switch nLight®)** *(26 09 23 00-0634)*		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	218.95	28.08
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	315.95	28.08
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	731.53	28.08
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	731.53	28.08
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,740.28	28.08
26 09 23 00-0670		**Occupancy Sensors (Lutron)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0671		**Wireless Occupancy Sensors** *(26 09 23 00-0670)*		
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	162.74	28.08
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	169.90	28.08
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	164.44	28.08
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	173.91	28.08
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	166.56	28.08
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	173.91	28.08
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	162.74	28.08
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	166.56	28.08
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	164.44	28.08
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	253.62	28.08
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	270.60	28.08
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	308.82	28.08
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	325.81	28.08
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	334.30	28.08
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	351.29	28.08
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	200.11	28.08
26 09 23 00-0688	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	211.15	28.08
26 09 23 00-0689	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	247.25	28.08
26 09 23 00-0690	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	274.85	28.08
26 09 23 00-0691	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	296.08	28.08
26 09 23 00-0692	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	255.74	28.08
26 09 23 00-0693	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	235.12	28.08
26 09 23 00-0694	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	196.74	28.08
26 09 23 00-0695	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	241.99	28.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0696	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	293.67	28.08
26 09 23 00-0697	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	311.65	28.08
26 09 23 00-0698	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	311.65	28.08
26 09 23 00-0699	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	311.65	28.08
26 09 23 00-0700	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	328.13	28.08
26 09 23 00-0701	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	532.16	40.57
26 09 23 00-0702		**Nodes And Modules** *(26 09 23 00-0670)*		
26 09 23 00-0703	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	264.23	28.08
26 09 23 00-0704	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	264.23	28.08
26 09 23 00-0705	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	334.30	28.08
26 09 23 00-0706	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	334.30	28.08
26 09 23 00-0707	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	427.60	31.21
26 09 23 00-0708	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	427.60	31.21
26 09 23 00-0709	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	518.90	31.21
26 09 23 00-0710	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	531.64	31.21
26 09 23 00-0711	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	656.92	31.21
26 09 23 00-0712	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	697.26	31.21
26 09 23 00-0713	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	737.60	31.21
26 09 23 00-0714	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,994.91	49.93
26 09 23 00-0715	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,959.62	56.17
26 09 23 00-0716	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,874.52	62.41
26 09 23 00-0717		**Other Accessories** *(26 09 23 00-0670)*		
26 09 23 00-0718	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	42.00	
26 09 23 00-0719	EA	Pico® Wireless Control (Lutron® PJ)	54.31	
26 09 23 00-0720	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	161.10	
26 09 23 00-0721	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	307.61	
26 09 23 00-0722	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	322.05	28.08
26 09 23 00-0723	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	408.11	28.08
26 09 23 00-0724	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	408.11	28.08
26 09 23 00-0725	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	669.66	31.21
26 09 23 00-0726	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	918.08	31.21
26 09 23 00-0727	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,105.06	28.08
26 09 23 00-0728	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,096.59	28.08
26 09 23 00-0729	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,468.17	28.08
26 09 23 00-0730	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,381.75	872.40
26 09 23 00-0731	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,231.08	872.40
26 09 23 00-0732		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0733	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	155.94	28.08
26 09 23 00-0734	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	136.41	28.08
26 09 23 00-0735	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	172.08	28.08
26 09 23 00-0736	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	136.41	28.08
26 09 23 00-0737	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	227.35	12.47
26 09 23 00-0738		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0739		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0738)*		
26 09 23 00-0740	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	346.60	
26 09 23 00-0741	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	485.14	
26 09 23 00-0742		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0738)*		
26 09 23 00-0743	EA	Retrofit Receptacle Kit (Roam® DUR103)	59.16	
		Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0744	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	13,992.97	69.77
26 09 23 00-0745		**Counter Mounted Consolets** *(26 09 23)*		
26 09 23 00-0746	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	681.70	155.78
26 09 23 00-0747		**Lighting Console And Stations** *(26 09 23)*		
26 09 23 00-0748	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	4,937.95	155.78
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*106.98*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,140.68*	
26 09 23 00-0749	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,410.81	93.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0750		**Theatre Lighting Console** *(26 09 23)*		
26 09 23 00-0751	EA	Theatre Lighting Console (ETC Colorsource 20)	3,545.17	186.94
26 09 23 00-0752		**Lighting Controls (Daintree Networks)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0753		**Wireless Sensors** *(26 09 23 00-0752)*		
26 09 23 00-0754	EA	Battery Powered, Passive Infrared, Ceiling Mount, 500 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-S)	194.70	28.08
26 09 23 00-0755	EA	Battery Powered, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-E)	194.70	28.08
26 09 23 00-0756	EA	Battery Powered, Passive Infrared, Wall Mount, Long-Range Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-L) Note: 8' to 12' install height.	194.70	28.08
26 09 23 00-0757	EA	Battery Powered, Passive Infrared, Wall Mount, Wide-Angle Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-W) Note: 8' to 12' install height.	194.70	28.08
26 09 23 00-0758	EA	Battery Powered, Wireless Photosensor (Daintree Networks WPS1) Note: 8' to 12' install height.	167.00	28.08
26 09 23 00-0759		**Wireless Adaptors** *(26 09 23 00-0752)*		
26 09 23 00-0760	EA	Line Voltage, Wireless Adapter (Daintree Networks WA100) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, and mounting bracket.	227.29	37.45
26 09 23 00-0761	EA	Line Voltage, Wireless Adapter With Power Monitoring (Daintree Networks WA100-PM) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, power monitoring, and mounting bracket.	254.99	37.45
26 09 23 00-0762	EA	Line Voltage, Wireless Fixture Adapter (Daintree Networks WFA100) Note: Includes on/off and 0-10V dimming.	177.42	37.45
26 09 23 00-0763	EA	Line Voltage, Wireless Fixture Adapter With Sensor Inputs (Daintree Networks WFA100-SN) Note: Includes on/off and 0-10V dimming. Includes inputs for occupancy controller and photo sensor.	191.27	37.45
26 09 23 00-0764	EA	Line Voltage, Wireless General Purpose Adapter (Daintree Networks WGA100) Note: Includes mounting bracket.	282.70	37.45
26 09 23 00-0765		**Controllers** *(26 09 23 00-0752)* Note: Includes programming for new controllers.		
26 09 23 00-0766	EA	Site System Controller (Daintree Networks SC51) Note: For single facility up to 1,000 wireless nodes. Excludes node licenses. Does not support CS-MFM.	2,867.81	62.41
26 09 23 00-0767	EA	Enterprise System Controller (Daintree Networks SC71) Note: For single or multiple facilities up to 10,000 wireless nodes. Excludes node licenses. Up to 4,000 zones per facility. Single facility included, additional facilities require purchase of CS-MFM per facility. Includes rack rails.	4,807.29	62.41
26 09 23 00-0768	EA	Wireless Area Controller (Daintree Networks WAC50) Note: Maximum capacity of 100 wireless nodes. Excludes node licenses.	1,142.98	
26 09 23 00-0769	EA	BACnet Server (Daintree Networks CS-BAC) Note: Requires purchase of additional CS-BAC-5 licenses for systems with more than 1,000 nodes.	5,638.50	62.41
26 09 23 00-0770		**Other Accessories** *(26 09 23 00-0752)*		
26 09 23 00-0771	EA	10 To 30 Volt AC, Wireless Thermostat (Daintree Networks WTS10)	457.31	62.41
26 09 23 00-0772	EA	Battery Powered, Wireless Wall Dimmer (Daintree Networks WWD1)	199.58	37.45
26 09 23 00-0773	EA	SafePlug Model 1203 Wireless Plug Load Controller, Dual Receptacle (Daintree Networks RSP-1203) Note: ControlScope interoperable version is 9916 003 ZB HA or later.	302.03	12.49
26 09 23 00-0774	EA	SafePlug 1621 Reset Link Key (Daintree Networks RSP-1621) Note: Required to reset a Safeplug 1203 to default settings.	19.39	
26 09 23 00-0775		**Software And Support** *(26 09 23 00-0752)*		
26 09 23 00-0776	EA	Regular Node License Bundle (25 Regular Wireless Nodes) (Daintree Networks N25) Note: Includes 1 year of SUS.	1,911.77	
26 09 23 00-0777	EA	Software Updates and Support - 1 Year Extension (5 Wireless Nodes) (Daintree Networks SUS1-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	124.68	
26 09 23 00-0778	EA	Software Updates and Support - 3 Year Extension (5 Wireless Nodes) (Daintree Networks SUS3-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	304.78	
26 09 23 00-0779	EA	Thermostat Node License Bundle (5 Thermostat Wireless Nodes) (Daintree Networks T5) Note: Includes 1 year of SUS.	1,634.71	
26 09 23 00-0780	EA	BACnet Supplemental Node License Bundle (5 Additional Wireless Nodes) (Daintree Networks CS-BAC-5) Note: Requires CS-BAC; Supports additional wireless nodes above 1,000. Node total must match the number of wireless node licenses purchased or installed on the system.	27.71	
26 09 23 00-0781	EA	Multi-Facility Management (per additional facility) (Daintree Networks CS-MFM) Note: Requires SC71.	1,080.57	
26 09 23 00-0782	HR	Engineering Assistance (Daintree Networks EAH1)	415.60	
26 09 23 00-0783	DAY	Engineering Assistance (Daintree Networks EA1)	3,324.82	
26 09 23 00-0784	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC51) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	886.62	
26 09 23 00-0785	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC71) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	1,634.71	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0786		Emergency Lighting Controls *(26 09 23)*		
26 09 23 00-0787		Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0786)* Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0788	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	236.67	31.21
26 09 23 00-0789	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	236.67	31.21
26 09 23 00-0790		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0786)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0791	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	400.25	43.69
26 09 23 00-0792	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	546.66	49.93
26 09 23 00-0793	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	738.05	56.17
26 09 23 00-0794		Photocells *(26 09 23)*		
26 09 23 00-0795	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	97.42	
26 09 23 00-0796	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	221.62	
26 09 23 00-0797		Outdoor Lighting Motion Sensors *(26 09 23)*		
26 09 23 00-0798	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	129.63	31.21
26 09 23 00-0799	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	141.81	31.21
26 09 23 00-0800	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	594.29	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 09 23 00-0801		Street Light Controls *(26 09 23)*		
26 09 23 00-0802		Photo Controls *(26 09 23 00-0801)*		
26 09 23 00-0803	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	91.66	
26 09 23 00-0804	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	102.40	
26 09 23 00-0805		Connector Node *(26 09 23 00-0801)*		
26 09 23 00-0806	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	538.08	3.46
26 09 23 00-0807		Lighting Control Devices (Legrand) *(26 09 23)*		
26 09 23 00-0808	EA	Line-Voltage Wall Switch Occupancy Sensors (Legrand DW-100)	243.27	28.08
26 09 23 00-0809	EA	Line-Voltage Dimming Wall Switch Occupancy Sensors (Legrand DW-311)	328.79	28.08
26 09 23 00-0810	EA	Dual Technology, Ceiling Mount, Occupancy Sensor (Legrand LMDC-100)	526.62	40.57
26 09 23 00-0811	EA	1 Relay Digital Room Controller, 0-10V Dimming (Legrand LMRC-211)	395.50	28.08
26 09 23 00-0812	EA	2 Relay Digital Room Controller, 0-10V Dimming (Legrand LMRC-212)	542.10	34.33
26 09 23 00-0813	EA	1 Button, Digital Dimming Wall Switch (Legrand LMDM-101)	181.92	28.08
26 09 23 00-0814	EA	4 Button, Digital Wall Switch (Legrand LMSW-104)	232.76	46.80

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)* Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	70,949.53	2,164.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,320.69*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	87,023.24	2,736.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,650.86*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	98,669.00	2,736.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,650.86*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	113,510.65	2,736.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,760.92*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	128,765.81	3,373.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,031.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,906.48	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.84*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	585.57	165.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.93*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	886.29	165.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.06*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	700.45	165.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.93*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	2,620.13	557.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*336.89*	
26 11 13 00-0014		"Switchyard", Substation Transformer Section *(26 11 13)*		
		Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015		14.4 KV Nominal Primary *(26 11 13 00-0014)*		
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	40,651.20	2,164.03
		For 50 Hz Operation, Add	*4,349.87*	
		For Forced Air Cooling, Add	*4,349.87*	
		For External Control Panel, Add	*1,087.47*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*362.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,812.45*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,531.11*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,437.34*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,426.37	2,711.40
		For 50 Hz Operation, Add	*4,910.82*	
		For Forced Air Cooling, Add	*4,910.82*	
		For External Control Panel, Add	*1,227.70*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*409.23*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,046.17*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,115.44*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,138.52*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	71,505.25	3,818.86
		For 50 Hz Operation, Add	*7,641.47*	
		For Forced Air Cooling, Add	*7,641.47*	
		For External Control Panel, Add	*1,910.37*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*636.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,183.95*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,959.87*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,551.84*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	103,799.14	4,589.71
		For 50 Hz Operation, Add	*11,267.97*	
		For Forced Air Cooling, Add	*11,267.97*	
		For External Control Panel, Add	*2,816.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*939.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,694.99*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,737.47*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,084.96*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	127,860.22	5,939.62
		For 50 Hz Operation, Add	*13,858.32*	
		For Forced Air Cooling, Add	*13,858.32*	
		For External Control Panel, Add	*3,464.58*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,154.86*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,774.30*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,435.75*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,322.90*	
26 11 13 00-0021		23 KV Nominal Primary *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	45,377.58	2,927.80
		For 50 Hz Operation, Add	*4,784.96*	
		For External Control Panel, Add	*1,196.24*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*398.75*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,993.74*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,984.34*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,981.21*	
		For Forced Air Cooling, Add	*3,189.98*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	51,766.33	2,927.80
		For 50 Hz Operation, Add	*5,414.56*	
		For External Control Panel, Add	*1,353.64*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*451.21*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,256.07*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,640.17*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,768.20*	
		For Forced Air Cooling, Add	*3,609.71*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	83,276.65	4,328.04
		For 50 Hz Operation, Add	*8,936.64*	
		For External Control Panel, Add	*2,234.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*744.72*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,723.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,309.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,170.81*	
		For Forced Air Cooling, Add	*5,957.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	111,670.59	5,939.62
		For 50 Hz Operation, Add	*11,915.56*	
		For External Control Panel, Add	*2,978.89*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*992.96*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,964.82*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,412.05*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,894.46*	
		For Forced Air Cooling, Add	*7,943.71*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	138,653.34	5,939.62
		For 50 Hz Operation, Add	*15,153.49*	
		For External Control Panel, Add	*3,788.37*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,262.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,313.96*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,784.89*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,941.87*	
		For Forced Air Cooling, Add	*10,102.33*	

26 11 13 00-0027 34.5 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	57,012.98	3,500.62
		For 50 Hz Operation, Add	*6,044.16*	
		For External Control Panel, Add	*1,511.04*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*503.68*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,518.40*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,296.00*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,555.20*	
		For Forced Air Cooling, Add	*4,029.44*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	68,865.48	5,473.71
		For 50 Hz Operation, Add	*7,303.35*	
		For External Control Panel, Add	*1,825.84*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*608.61*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,043.06*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,607.66*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,129.19*	
		For Forced Air Cooling, Add	*4,868.90*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	95,192.15	5,473.71
		For 50 Hz Operation, Add	*10,102.37*	
		For External Control Panel, Add	*2,525.59*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*841.86*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,209.32*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,523.30*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,627.96*	
		For Forced Air Cooling, Add	*6,734.91*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	122,463.62	5,804.64
		For 50 Hz Operation, Add	*13,210.73*	
		For External Control Panel, Add	*3,302.68*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,100.89*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,504.47*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,761.18*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,513.41*	
		For Forced Air Cooling, Add	*8,807.15*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	212,273.29	7,424.53
		For 50 Hz Operation, Add	*23,572.11*	
		For External Control Panel, Add	*5,893.03*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,964.34*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,821.71*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*24,554.29*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*29,465.14*	
		For Forced Air Cooling, Add	*15,714.74*	

26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	87,683.29	4,073.46
		For 50 Hz Operation, Add	*9,561.49*	
		For External Control Panel, Add	*2,390.37*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*796.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,983.96*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,959.89*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,951.87*	
		For Forced Air Cooling, Add	*6,374.33*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	99,138.03	4,073.46
		For 50 Hz Operation, Add	*10,840.01*	
		For External Control Panel, Add	*2,710.00*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*903.33*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,516.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,291.68*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,550.01*	
		For Forced Air Cooling, Add	*7,226.67*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	137,468.74	5,473.71
		For 50 Hz Operation, Add	*15,175.56*	
		For External Control Panel, Add	*3,793.89*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,264.63*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,323.15*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,807.87*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,969.45*	
		For Forced Air Cooling, Add	*10,117.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	167,799.11	7,424.53
		For 50 Hz Operation, Add	*18,235.21*	
		For External Control Panel, Add	*4,558.80*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,519.60*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,598.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,995.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,794.02*	
		For Forced Air Cooling, Add	*12,156.81*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	239,322.90	7,424.53
		For 50 Hz Operation, Add	*26,818.07*	
		For External Control Panel, Add	*6,704.52*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,234.84*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,174.19*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,935.49*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*33,522.58*	
		For Forced Air Cooling, Add	*17,878.71*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	126,534.85	4,328.04
		For 50 Hz Operation, Add	*14,127.63*	
		For External Control Panel, Add	*3,531.91*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,177.30*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,886.51*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,716.28*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,659.54*	
		For Forced Air Cooling, Add	*9,418.42*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	145,225.98	5,473.71
		For 50 Hz Operation, Add	*16,106.43*	
		For External Control Panel, Add	*4,026.61*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,342.20*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,711.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,777.53*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,133.03*	
		For Forced Air Cooling, Add	*10,737.62*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	200,061.84	5,473.71
		For 50 Hz Operation, Add	*22,686.73*	
		For External Control Panel, Add	*5,671.68*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,890.56*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,452.80*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,632.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,358.41*	
		For Forced Air Cooling, Add	*15,124.49*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	211,488.48	7,424.53
		For 50 Hz Operation, Add	*23,477.94*	
		For External Control Panel, Add	*5,869.48*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,956.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,782.47*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*24,456.18*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*29,347.42*	
		For Forced Air Cooling, Add	*15,651.96*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	277,535.76	7,424.53
		For 50 Hz Operation, Add	*31,403.61*	
		For External Control Panel, Add	*7,850.90*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,616.97*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*13,084.84*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*32,712.09*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*39,254.51*	
		For Forced Air Cooling, Add	*20,935.74*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	76,182.86	1,063.80
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	83,671.55	1,063.80
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	95,233.60	1,321.42
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	88,960.39	1,588.93
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	100,273.64	1,588.93
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	114,388.64	1,846.00
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	117,869.15	2,109.05
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	131,954.80	2,109.05
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	138,265.58	2,368.48

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	39,017.39	1,562.16
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	45,019.90	1,562.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0005		**Automatic Transferring Fused Load Break Switches** *(26 11 16 11-0001)* Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	55,183.66	1,562.16
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	59,090.14	1,562.16
26 11 16 11-0008		**Accessories For Substation Fused Load Break Switches** *(26 11 16 11-0001)*		
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	24,282.11	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,363.55	
26 11 16 11-0011		**Oil Filled Substation Transformers** *(26 11 16 11)* Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012		**Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	42,055.69	954.72
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,810.24*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,204.39*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*401.46*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	62,255.10	1,145.66
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,197.46*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,798.91*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*599.64*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	70,507.83	1,272.95
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,757.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,038.86*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*679.62*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	83,267.88	1,591.19
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,605.99*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,402.57*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*800.86*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	92,453.49	1,973.08
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,195.51*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,655.22*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*885.07*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	98,267.56	2,418.61
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,540.12*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,802.91*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*934.30*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	114,826.58	2,927.80
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,627.97*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,269.13*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,089.71*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	122,226.35	3,182.38
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,110.31*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,475.85*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,158.62*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	136,688.62	3,500.62
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,078.12*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,890.62*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,296.87*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	158,406.63	3,882.51
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,544.91*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,519.25*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,506.42*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	174,002.92	4,232.57
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*11,587.64*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,966.13*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,655.38*	
26 11 16 11-0024		**Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	40,052.86	954.72
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,670.04*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,144.30*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*381.43*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	61,223.76	954.72
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,152.00*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,779.43*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*593.14*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	70,463.50	1,272.95
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,754.23*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,037.53*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*679.18*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	83,344.13	1,591.19
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,611.32*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,404.85*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*801.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	100,236.07	1,973.08
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,740.29*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,888.70*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*962.90*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	107,958.27	2,418.61
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,218.47*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,093.63*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,031.21*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	119,301.38	2,927.80
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,941.20*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,403.37*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,134.46*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	129,934.61	3,182.38
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,649.89*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,707.09*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,235.70*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	146,656.57	3,500.62
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,775.87*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,189.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,396.55*	
26 11 16 11-0034		**Accessories For Oil Filled Substation Transformers** *(26 11 16 11-0011)*		
26 11 16 11-0035	EA	Sudden Pressure Relay	12,168.18	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	24,157.96	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	15,907.09	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	88,276.35	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	82,591.32	
26 11 16 11-0040		**Reinforced Concrete Curb With 6" Slab** *(26 11 16 11-0011)*		
		Note: For transformer liquid containment area.		
26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,868.05	1,330.03
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,934.99	1,533.54
26 11 16 11-0049		**Dry Type Substation Transformer** *(26 11 16 11)*		
		Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050		**Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
		Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,503.99	1,018.37
		For Gas Filled Transformers, Add	*43,480.36*	
		For Single Phase Transformers, Deduct	*-1,811.68*	
		For Dry Type Unit, Add	*16,146.47*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,631.30	1,082.01
		For Gas Filled Transformers, Add	*43,480.36*	
		For Single Phase Transformers, Deduct	*-1,811.68*	
		For Dry Type Unit, Add	*16,159.20*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,957.11	1,272.95
		For Gas Filled Transformers, Add	*44,046.72*	
		For Single Phase Transformers, Deduct	*-1,835.28*	
		For Dry Type Unit, Add	*16,405.06*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,844.92	1,400.25
		For Gas Filled Transformers, Add	*48,626.65*	
		For Single Phase Transformers, Deduct	*-2,026.11*	
		For Dry Type Unit, Add	*18,109.82*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	92,886.66	1,654.84
		For Gas Filled Transformers, Add	*53,746.18*	
		For Single Phase Transformers, Deduct	*-2,239.42*	
		For Dry Type Unit, Add	*20,037.90*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,629.15	1,909.43
		For Gas Filled Transformers, Add	*62,286.17*	
		For Single Phase Transformers, Deduct	*-2,595.26*	
		For Dry Type Unit, Add	*23,220.15*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	124,833.71	2,291.32
		For Gas Filled Transformers, Add	*72,150.64*	
		For Single Phase Transformers, Deduct	*-3,006.28*	
		For Dry Type Unit, Add	*26,913.50*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	147,833.75	2,545.91
		For Gas Filled Transformers, Add	*85,645.16*	
		For Single Phase Transformers, Deduct	*-3,568.55*	
		For Dry Type Unit, Add	*31,912.41*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	192,646.42	2,673.21
		For Gas Filled Transformers, Add	*112,380.01*	
		For Single Phase Transformers, Deduct	*-4,682.50*	
		For Dry Type Unit, Add	*41,740.64*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0060		Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*		
		Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	71,932.33	1,018.37
		For Gas Filled Transformers, Add	*41,937.37*	
		For Single Phase Transformers, Deduct	*-1,747.39*	
		For Dry Type Unit, Add	*15,580.71*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,631.30	1,082.01
		For Gas Filled Transformers, Add	*43,480.36*	
		For Single Phase Transformers, Deduct	*-1,811.68*	
		For Dry Type Unit, Add	*16,159.20*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,957.11	1,272.95
		For Gas Filled Transformers, Add	*44,046.72*	
		For Single Phase Transformers, Deduct	*-1,835.28*	
		For Dry Type Unit, Add	*16,405.06*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,844.92	1,400.25
		For Gas Filled Transformers, Add	*48,626.65*	
		For Single Phase Transformers, Deduct	*-2,026.11*	
		For Dry Type Unit, Add	*18,109.82*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	92,886.66	1,654.84
		For Gas Filled Transformers, Add	*53,746.18*	
		For Single Phase Transformers, Deduct	*-2,239.42*	
		For Dry Type Unit, Add	*20,037.90*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,629.15	1,909.43
		For Gas Filled Transformers, Add	*62,286.17*	
		For Single Phase Transformers, Deduct	*-2,595.26*	
		For Dry Type Unit, Add	*23,220.15*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	124,833.71	2,291.32
		For Gas Filled Transformers, Add	*72,150.64*	
		For Single Phase Transformers, Deduct	*-3,006.28*	
		For Dry Type Unit, Add	*26,913.50*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	147,833.75	2,545.91
		For Gas Filled Transformers, Add	*85,645.16*	
		For Single Phase Transformers, Deduct	*-3,568.55*	
		For Dry Type Unit, Add	*31,912.41*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	192,646.42	2,673.21
		For Gas Filled Transformers, Add	*112,380.01*	
		For Single Phase Transformers, Deduct	*-4,682.50*	
		For Dry Type Unit, Add	*41,740.64*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	211,675.61	2,800.50
		For Gas Filled Transformers, Add	*123,644.77*	
		For Single Phase Transformers, Deduct	*-5,151.87*	
		For Dry Type Unit, Add	*45,896.51*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	236,583.94	2,927.80
		For Gas Filled Transformers, Add	*138,437.00*	
		For Single Phase Transformers, Deduct	*-5,768.21*	
		For Dry Type Unit, Add	*51,345.79*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	273,228.24	3,055.09
		For Gas Filled Transformers, Add	*160,270.84*	
		For Single Phase Transformers, Deduct	*-6,677.95*	
		For Dry Type Unit, Add	*59,376.99*	
26 11 16 11-0073		Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	80,080.29	1,145.66
		For Gas Filled Transformers, Add	*46,673.38*	
		For Single Phase Transformers, Deduct	*-1,944.72*	
		For Dry Type Unit, Add	*17,342.71*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	82,764.37	1,209.31
		For Gas Filled Transformers, Add	*48,207.46*	
		For Single Phase Transformers, Deduct	*-2,008.64*	
		For Dry Type Unit, Add	*17,917.93*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	88,386.20	1,400.25
		For Gas Filled Transformers, Add	*51,351.42*	
		For Single Phase Transformers, Deduct	*-2,139.64*	
		For Dry Type Unit, Add	*19,108.90*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	93,248.97	1,527.55
		For Gas Filled Transformers, Add	*54,116.33*	
		For Single Phase Transformers, Deduct	*-2,254.85*	
		For Dry Type Unit, Add	*20,148.16*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	106,274.54	1,782.14
		For Gas Filled Transformers, Add	*61,626.16*	
		For Single Phase Transformers, Deduct	*-2,567.76*	
		For Dry Type Unit, Add	*22,952.69*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	117,687.27	2,036.72
		For Gas Filled Transformers, Add	*68,168.29*	
		For Single Phase Transformers, Deduct	*-2,840.35*	
		For Dry Type Unit, Add	*25,402.38*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	137,366.85	2,418.61
		For Gas Filled Transformers, Add	*79,517.77*	
		For Single Phase Transformers, Deduct	*-3,313.24*	
		For Dry Type Unit, Add	*29,640.24*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	166,825.78	2,673.21
		For Gas Filled Transformers, Add	*96,887.62*	
		For Single Phase Transformers, Deduct	*-4,036.98*	
		For Dry Type Unit, Add	*36,060.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	202,251.15	2,800.50
		For Gas Filled Transformers, Add	*117,990.09*	
		For Single Phase Transformers, Deduct	*-4,916.25*	
		For Dry Type Unit, Add	*43,823.13*	
26 11 16 11-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	80,080.29	1,145.66
		For Gas Filled Transformers, Add	*46,673.38*	
		For Single Phase Transformers, Deduct	*-1,944.72*	
		For Dry Type Unit, Add	*17,342.71*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	62,764.37	1,209.31
		For Gas Filled Transformers, Add	*48,207.46*	
		For Single Phase Transformers, Deduct	*-2,008.64*	
		For Dry Type Unit, Add	*17,917.93*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	88,386.20	1,400.25
		For Gas Filled Transformers, Add	*51,351.42*	
		For Single Phase Transformers, Deduct	*-2,139.64*	
		For Dry Type Unit, Add	*19,108.90*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	93,248.97	1,527.55
		For Gas Filled Transformers, Add	*54,116.33*	
		For Single Phase Transformers, Deduct	*-2,254.85*	
		For Dry Type Unit, Add	*20,148.16*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	106,274.54	1,782.14
		For Gas Filled Transformers, Add	*61,626.16*	
		For Single Phase Transformers, Deduct	*-2,567.76*	
		For Dry Type Unit, Add	*22,952.69*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	102,822.19	2,036.72
		For Gas Filled Transformers, Add	*59,249.24*	
		For Single Phase Transformers, Deduct	*-2,468.72*	
		For Dry Type Unit, Add	*22,132.07*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	106,828.20	2,418.61
		For Gas Filled Transformers, Add	*61,194.58*	
		For Single Phase Transformers, Deduct	*-2,549.77*	
		For Dry Type Unit, Add	*22,921.74*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	131,837.23	2,673.21
		For Gas Filled Transformers, Add	*75,894.49*	
		For Single Phase Transformers, Deduct	*-3,162.27*	
		For Dry Type Unit, Add	*28,362.62*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	156,901.37	2,800.50
		For Gas Filled Transformers, Add	*90,780.22*	
		For Single Phase Transformers, Deduct	*-3,782.51*	
		For Dry Type Unit, Add	*33,846.18*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	175,702.91	2,927.80
		For Gas Filled Transformers, Add	*101,908.39*	
		For Single Phase Transformers, Deduct	*-4,246.18*	
		For Dry Type Unit, Add	*37,951.97*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	206,857.58	3,055.09
		For Gas Filled Transformers, Add	*120,448.44*	
		For Single Phase Transformers, Deduct	*-5,018.69*	
		For Dry Type Unit, Add	*44,775.45*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	254,529.04	3,182.38
		For Gas Filled Transformers, Add	*148,898.56*	
		For Single Phase Transformers, Deduct	*-6,204.11*	
		For Dry Type Unit, Add	*55,232.62*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,315.83	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,421.49	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	8,659.06	526.22
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,349.50	657.78
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,993.74	789.33
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	15,578.18	986.67
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	18,471.09	1,184.00
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	26,040.39	1,381.34
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	30,830.94	1,644.45

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,659.06	526.22
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,558.38	657.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,993.74	789.33
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	15,578.18	986.67
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,471.09	1,184.00
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	23,893.39	1,381.34
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	29,740.66	1,644.45
26 12 13 00-0021		Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*		
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,415.37	526.22
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,688.06	657.78
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,339.57	789.33
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	15,427.22	986.67
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	17,833.69	1,184.00
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	24,295.95	1,381.34
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	29,841.30	1,644.45
26 12 13 00-0029		Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,546.79	526.22
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,854.29	657.78
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	14,394.88	789.33
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,147.05	986.67
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	20,882.67	1,184.00
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	28,805.17	1,381.34
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	37,120.67	1,644.45
26 12 13 00-0037		Transformer Platforms *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	5,770.72	888.66
26 12 13 00-0039		Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,578.52	526.22
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,791.07	657.78
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	14,396.14	789.33
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,145.50	986.67
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,013.68	1,249.78
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	28,809.03	1,381.34
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	37,120.67	1,644.45
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	49,751.35	2,104.89
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	63,541.21	2,828.45
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	74,462.90	3,288.89
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	95,243.89	3,552.00
26 12 13 00-0051		Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	8,659.06	644.36
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,349.50	805.38
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,993.20	965.49
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	15,579.45	1,209.92
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	18,469.87	1,449.35
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	26,038.74	1,687.99
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	30,830.94	2,013.59
26 12 13 00-0059		Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,659.06	644.36
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,558.38	805.38
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,993.20	965.49
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	15,579.45	1,209.92
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,469.87	1,449.35
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	23,891.74	1,687.99
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	29,740.66	2,013.59
26 12 13 00-0067		Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0004)*		
26 12 13 00-0068		Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,828.22	526.22
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,104.07	657.78
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,330.65	789.33
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,261.78	986.67
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	15,422.16	1,184.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	24,910.81	1,381.34
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	28,607.34	1,644.45
26 12 13 00-0076		Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,274.38	526.22
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,407.81	657.78
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,014.16	789.33
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,628.82	986.67
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	14,551.84	1,184.00
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,746.00	1,381.34
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,442.54	1,644.45
26 12 13 00-0084		3 Phase Oil Filled Distribution Transformers *(26 12 13)*		
26 12 13 00-0085		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt *(26 12 13 00-0084)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	31,570.17	1,841.78
26 12 13 00-0087	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	39,830.18	1,973.34
26 12 13 00-0088	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	52,980.49	2,499.56
26 12 13 00-0089	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	69,264.60	3,157.34
26 12 13 00-0090	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	103,066.77	3,552.00
26 12 13 00-0091	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	157,927.21	4,736.01
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	528.27	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,347.90	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		Single Phase Pad Mounted Distribution Transformers *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,972.95	636.48
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	22,720.15	763.77
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,110.72	891.06
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,749.60	954.72
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	38,405.96	1,018.37
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	50,254.02	1,336.61
26 12 19 00-0010		Factory Modifications Material Cost Only *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,717.06	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,956.33	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	5,451.97	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,694.71	636.48
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,927.86	636.48
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	32,047.43	871.98
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,255.96	871.98
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,232.55	1,145.66
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	54,191.20	1,145.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	88,234.81	1,591.19
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	6,289.42	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,593.56	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,956.33	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	8,066.86	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,153.44	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,862.90	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,012.73	636.48
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,711.46	636.48
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,744.22	871.98
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	38,422.04	871.98
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	49,063.30	1,145.66
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	60,970.55	1,145.78
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	77,439.62	1,591.19
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,243.99	446.33
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,715.52	627.65
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,453.76	1,004.25
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	66,075.28	1,004.25
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	91,284.92	1,645.84
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	123,265.05	1,645.84
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,626.82	474.22
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,315.22	474.22
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,020.68	669.49
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,809.85	669.49
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,462.27	906.61
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,499.10	1,394.78
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,050.58	1,394.78
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	121,359.73	1,743.47
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,626.82	474.22
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,315.86	474.22
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,020.68	669.49
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,809.85	669.49
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,462.27	906.61
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,298.56	1,227.41
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,499.10	1,227.41
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,050.58	1,548.20
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	121,359.73	1,743.47
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,563.56	474.22
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,425.88	474.22
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,523.09	669.49
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	34,006.59	669.49
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	39,137.68	906.61
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	60,882.13	1,227.41
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,267.23	1,227.41
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	99,550.23	1,548.20
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	134,237.63	1,743.47

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0076			2.4 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0077		EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,626.82	474.22
26 12 19 00-0078		EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,315.22	474.22
26 12 19 00-0079		EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,020.68	910.93
26 12 19 00-0080		EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,809.85	1,227.41
26 12 19 00-0081		EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,462.27	906.61
26 12 19 00-0082		EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,105.16	1,227.41
26 12 19 00-0083		EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,486.44	1,227.41
26 12 19 00-0084			2.4 KV Primary, 240/480 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0085		EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,626.82	474.22
26 12 19 00-0086		EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,315.22	474.22
26 12 19 00-0087		EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,020.68	669.49
26 12 19 00-0088		EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,809.85	669.49
26 12 19 00-0089		EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,462.27	906.61
26 12 19 00-0090		EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,105.16	1,227.41
26 12 19 00-0091		EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,486.44	1,227.41
26 12 19 00-0092			2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0093		EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,616.70	488.18
26 12 19 00-0094		EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,915.62	543.97
26 12 19 00-0095		EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,738.61	599.76
26 12 19 00-0096		EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,173.17	836.86
26 12 19 00-0097		EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	29,049.59	976.35
26 12 19 00-0098		EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,763.94	1,143.72
26 12 19 00-0099		EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,262.97	1,311.10
26 12 19 00-0100		EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	78,267.41	1,673.74
26 12 19 00-0101		EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	109,462.62	1,882.95

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001			"Switchyard", Substation Secondary Distribution Section *(26 13 16)* Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002			4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
26 13 16 00-0003		EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,338.33	1,450.57
			For Weatherproofing, Add	*3,391.03*	
26 13 16 00-0004		EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	17,159.30	1,450.57
			For Weatherproofing, Add	*3,571.64*	
26 13 16 00-0005		EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,410.07	1,848.08
			For Weatherproofing, Add	*4,905.52*	
26 13 16 00-0006		EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,961.41	1,848.08
			For Weatherproofing, Add	*6,755.71*	
26 13 16 00-0007		EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	45,898.18	2,231.65
			For Weatherproofing, Add	*9,784.67*	
26 13 16 00-0008		EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	41,841.07	2,231.65
			For Weatherproofing, Add	*8,876.30*	
26 13 16 00-0009			7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
26 13 16 00-0010		EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,463.84	1,673.74
			For Weatherproofing, Add	*5,157.60*	
26 13 16 00-0011		EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	30,022.49	2,092.17
			For Weatherproofing, Add	*6,311.75*	
26 13 16 00-0012		EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	42,286.90	2,510.60
			For Weatherproofing, Add	*8,960.54*	
26 13 16 00-0013			13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*		
26 13 16 00-0014		EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,565.17	1,673.74
			For Weatherproofing, Add	*4,941.47*	
26 13 16 00-0015		EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	32,496.62	1,673.74
			For Weatherproofing, Add	*6,866.26*	
26 13 16 00-0016		EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,560.43	2,231.65
			For Weatherproofing, Add	*10,134.56*	
26 13 16 00-0017		EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,640.74	2,231.65
			For Weatherproofing, Add	*6,211.01*	
26 13 16 00-0018		EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	43,147.74	2,789.56
			For Weatherproofing, Add	*9,142.56*	
26 13 16 00-0019		EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	60,483.28	2,789.56
			For Weatherproofing, Add	*12,914.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	41,516.46	2,789.56
		For Weatherproofing, Add	*8,772.01*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	57,673.01	2,789.56
		For Weatherproofing, Add	*12,286.27*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	74,840.86	2,789.56
		For Weatherproofing, Add	*16,025.19*	
26 13 16 00-0023		**4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,296.09	913.58
		For Weatherproofing, Add	*1,477.01*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,521.77	913.58
		For Weatherproofing, Add	*1,966.66*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,296.83	1,213.46
		For Weatherproofing, Add	*2,095.80*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,759.65	1,499.39
		For Weatherproofing, Add	*2,597.16*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,264.25	1,499.39
		For Weatherproofing, Add	*3,588.17*	
26 13 16 00-0029		**7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,246.65	1,394.78
		For Weatherproofing, Add	*1,888.32*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,102.41	1,394.78
		For Weatherproofing, Add	*2,475.49*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,519.05	1,394.78
		For Weatherproofing, Add	*3,846.60*	
26 13 16 00-0033		**13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,521.81	1,185.56
		For Weatherproofing, Add	*1,929.60*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,165.95	1,185.56
		For Weatherproofing, Add	*2,071.31*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,595.87	1,464.52
		For Weatherproofing, Add	*3,005.11*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,952.59	1,757.42
		For Weatherproofing, Add	*2,603.02*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,988.04	1,757.42
		For Weatherproofing, Add	*3,270.82*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,379.12	2,050.33
		For Weatherproofing, Add	*3,755.40*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,162.10	2,343.23
		For Weatherproofing, Add	*3,446.93*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,242.08	2,343.23
		For Weatherproofing, Add	*3,904.52*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	23,739.69	2,622.18
		For Weatherproofing, Add	*4,852.90*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,594.01	883.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*530.33*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,758.36	980.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.52*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	7,528.69	1,179.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*708.01*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	4,634.35	1,774.58
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,840.02	113.86
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,806.06	113.86
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	14,308.44	113.86
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	11,241.24	113.86
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,273.29	113.86
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	16,712.51	113.86
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,636.46	113.86
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,982.03	113.86
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,538.05	113.86
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	2,898.91	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,124.34	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,124.34	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0060	EA	Indicating Wattmeter	1,669.79	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 16 00-0061	EA	Indicating Varmeter	1,972.40	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,232.69	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	2,753.31	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	5,520.60	113.86
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	757.29	113.86
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	3,678.79	113.86

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	59,499.30	1,743.47
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	65,694.22	2,203.75
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	74,580.42	2,203.75
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	68,214.63	1,743.47
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	76,760.71	1,743.47
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	87,487.80	2,050.33
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	90,246.26	2,343.23
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	98,835.75	2,343.23
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	107,986.96	2,636.14

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	18,926.40	1,106.13
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	29,831.10	1,672.36
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	40,384.28	2,054.23
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	67,258.02	2,383.44
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	86,498.06	2,712.64

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,375.09	335.78
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,677.60	335.78
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,661.81	493.81
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,127.87	493.81
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	30,297.52	724.25

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	9,136.37	375.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.59*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	11,497.97	375.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.91*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	14,875.53	579.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*362.13*	

26 13 29 00-0018 Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	5,148.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	3,966.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	12,952.45	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	12,952.45	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	17,189.07	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	22,317.61	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	9,543.04	129.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.89*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	26,694.55	1,923.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,153.96*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	5,772.49	113.86
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	6,810.59	113.86
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	3,644.38	56.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.16*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	28,077.93	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	3,465.99	56.93

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*
Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	85,237.48	954.72
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	95,910.77	954.72

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001 Primary Fuse Cutouts *(26 19 18)*
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes the fuse and cut-out switch.

26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	775.63	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	915.11	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.22*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,054.12	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.92*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,074.92	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.07*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,074.92	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.07*	

26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	775.63	278.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	

26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	803.10	278.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	

26 19 18 00-0013 Fuseholders *(26 19 18 00-0002)*
Note: Including current limiting fuse.

26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	659.91	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	799.39	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.22*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	938.40	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.92*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	669.41	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	808.89	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.22*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	659.91	278.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	

26 19 18 00-0020 Accessories *(26 19 18 00-0002)*

26 19 18 00-0021	EA	Hot Line Clamp	98.07	31.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.92*	
26 19 18 00-0022	EA	Stirrup	106.79	31.38

26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.

26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	989.44	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,128.92	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.22*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,267.93	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.92*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,308.65	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,308.65	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.07*	
26 19 18 00-0030		17.1 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	989.44	278.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0032		17.1 KV-125 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	989.44	278.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0034		Fuseholders *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	669.71	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	809.19	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.22*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	948.20	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.92*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	669.71	348.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.37*	
26 19 18 00-0039		Pole Mounted Capacitors *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,780.98	281.19
26 19 80		**Transmission and Distribution Accessories** *(26 19)*		
26 19 80 60		**Structure Assemblies** *(26 19 80)*		
26 19 80 60-0001		Pole Structure Assemblies *(26 19 80 60)*		
26 19 80 60-0002		5 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	569.48	265.01
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	951.70	446.33
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,082.47	348.70
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	618.11	181.33
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	784.51	251.06
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,372.89	502.12
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,076.94	376.59
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,969.15	753.18
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,237.81	850.82
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,221.93	418.43
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,038.01	446.33
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,950.40	906.61
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,485.39	543.97
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	927.88	390.54
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,745.22	795.03
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,370.41	404.49
26 19 80 60-0019		15 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	596.94	265.01
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	990.93	446.33
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,215.85	348.70
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	665.18	181.33
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	851.20	237.12
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,506.27	502.12
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,175.02	376.59
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,169.22	753.18
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,508.49	850.82
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,355.31	418.43
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,089.00	446.33
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,001.39	906.61
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,587.39	543.97
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	978.87	376.59
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,796.21	795.03
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,472.41	488.18
26 19 80 60-0036		25 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,822.14	418.43
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,115.69	209.22
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,617.81	320.80
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,127.94	655.55

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,028.97	488.18
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,274.62	962.40
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,122.64	1,087.93
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,190.71	634.62
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,907.22	634.62
26 19 80 60-0046		50 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,447.94	571.86
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,332.06	292.91
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,686.98	460.28
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,169.98	934.50
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,430.45	697.39
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,668.67	1,394.78
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,523.91	1,548.20
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,816.51	753.18
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,837.98	871.74
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,735.43	822.92
26 19 80 60-0057		Overhead To Underground Conversion Structures *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		5 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.78	2,789.56
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.78	2,789.56
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.78	2,789.56
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.78	2,789.56
26 19 80 60-0063		15 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,029.37	2,789.56
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,029.37	2,789.56
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,029.37	2,789.56
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,029.37	2,789.56
26 19 80 60-0068		25 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,230.73	2,789.56
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,230.73	2,789.56
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,230.73	2,789.56
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,230.73	2,789.56
26 19 80 60-0073		Transformer Stations *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		5 KV Station *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,417.65	3,718.49
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	10,555.95	4,184.34
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	11,694.26	4,648.80
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	11,694.26	4,648.80
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,417.65	3,718.49
26 19 80 60-0080		15 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	9,702.94	3,717.43
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	10,841.25	4,184.34
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	11,979.56	4,648.80
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	11,979.56	4,648.80
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	9,702.94	3,718.49
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,014.18	3,718.49
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,152.48	4,184.34
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	12,290.79	4,648.80
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	12,290.79	4,648.80
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,014.18	3,718.49

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26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001 Service Drop Cable And Weatherheads *(26 21 13)*

26 21 13 00-0002 600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*

26 21 13 00-0003 Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable		9.69	3.33
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable		11.94	3.92
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable		14.78	4.42
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable		20.80	5.58

26 21 13 00-0008 Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		12.27	3.92
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		14.35	4.42
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		18.37	5.58
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		23.73	6.80
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		30.52	8.99
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		40.05	11.16
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable		59.07	13.28

26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		14.43	4.42
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		18.35	5.58
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		23.89	7.15
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		32.44	8.99
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		36.31	9.97
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		43.24	11.16
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		50.31	13.28
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable		69.47	14.68

26 21 13 00-0025 Weatherproof Conduit Hubs *(26 21 13 00-0002)*

26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs		57.71	21.94
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs		65.83	24.92
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs		76.40	27.92
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs		106.47	37.39
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs		117.04	40.38
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs		150.90	46.86
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs		197.65	52.84
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs		254.90	62.31
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs		452.33	124.63

26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized *(26 21 13 00-0002)*

26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service		63.84	21.94
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service		73.16	24.92
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service		83.64	27.92
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service		112.37	37.39
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service		126.70	40.38
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service		165.25	46.86
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service		272.88	52.84
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service		311.06	62.31
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service		515.83	124.63

26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum *(26 21 13 00-0002)*

26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service		61.87	21.94
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service		69.86	24.92
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service		79.18	27.79
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service		105.31	37.39
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service		117.16	40.38
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service		138.00	46.86
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service		221.75	52.84
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service		285.35	62.31
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service		402.86	93.47
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service		485.23	124.63

26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) *(26 21 13 00-0002)*

26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service		60.17	21.94
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service		68.84	24.92
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service		78.19	27.79
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service		104.16	37.39
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service		113.46	40.38
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service		139.26	46.86
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service		233.89	52.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	261.97	62.31
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	450.72	93.47
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	624.46	124.63

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*
Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,021.61	1,239.82
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,165.67	1,312.77
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,872.65	1,394.78
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	11,180.49	1,394.78
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	12,611.91	1,487.82
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	15,114.57	1,716.70
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	18,199.77	2,231.65

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,644.35	319.78
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,297.15	383.74
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,987.04	400.36
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,683.21	415.72
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	5,365.44	447.69
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	6,446.77	479.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*274.37*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*411.56*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	7,080.01	511.65
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*302.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*454.25*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	6,797.30	575.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*282.30*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*423.46*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	8,149.36	639.56
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*343.51*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*515.27*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	10,847.64	767.47
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*465.64*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*698.45*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	13,835.37	895.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*602.23*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*903.35*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	22,280.64	1,151.21
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*998.91*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,498.37*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	40,714.71	1,407.03
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,895.03*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,842.55*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	64,344.88	1,598.90
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,057.35*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,586.03*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,829.53	383.74
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,237.72	399.72
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,845.59	415.72
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,395.77	447.69

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	6,721.14	479.67
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	7,382.85	511.65

26 22 13 00-0025 1 Phase Mounting Brackets *(26 22 13 00-0001)*

26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	629.31	227.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0027		**1 Phase Weathershields** *(26 22 13 00-0001)* Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	197.67	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	251.97	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	300.46	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	358.45	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	484.96	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	579.84	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	711.63	
26 22 13 00-0035		**Packaged Power Supply** *(26 22 13 00-0001)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,705.57	399.72
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,229.52	415.72
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,586.50	447.69
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	5,750.00	479.67
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,168.96	511.65
26 22 13 00-0041		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,763.19	287.81
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	4,039.55	319.78
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	4,694.59	383.74
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	5,227.34	399.72
26 22 13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	5,944.59	415.72
26 22 13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	7,800.78	447.69
26 22 13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	10,279.00	479.67
26 22 13 00-0049		**1 Phase, 208/600 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0050	EA	15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	12,821.57	479.67
26 22 13 00-0051	EA	25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	13,278.70	511.65
26 22 13 00-0052	EA	30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	13,777.66	543.63
26 22 13 00-0053	EA	37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	18,391.35	575.60
26 22 13 00-0054	EA	45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	19,097.58	607.59
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	25,720.42	639.56
26 22 13 00-0056		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057		**Packaged Power Supply** *(26 22 13 00-0056)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	16,679.74	1,375.06
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*696.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,044.72*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	20,203.80	1,470.99
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*863.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,294.64*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	24,377.81	1,598.90
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,059.00*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,588.50*	
26 22 13 00-0061		**Drive Isolation Transformers** *(26 22 13 00-0056)* Note: Only use in step-up applications.		
26 22 13 00-0062		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0061)*		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,063.04	511.65
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,817.73	543.63
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,219.83	575.60
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,479.47	607.59
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,954.55	671.54
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,444.06	735.50
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,618.88	799.45
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,691.75	895.38
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	23,509.54	927.37
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	27,229.98	959.34
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	34,431.05	991.32
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	38,571.29	1,215.16
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	43,086.08	1,279.12
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	49,458.41	1,343.07
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	60,362.39	1,598.90
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	80,162.68	1,886.70
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	84,541.03	2,078.57
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	103,144.88	2,302.41
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	127,543.10	2,558.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0082		**208V Drive Isolation Transformers** *(26 22 13 00-0061)*		
26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,523.16	511.65
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,363.91	543.63
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,783.23	575.60
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,154.63	607.59
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,647.37	671.54
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,142.23	703.51
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,549.15	831.43
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,704.71	895.38
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,611.78	927.37
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,518.33	959.34
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,082.68	991.32
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	40,410.87	1,215.16
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,148.95	1,279.12
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	51,839.12	1,343.07
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	63,272.07	1,598.90
26 22 13 00-0098		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps** *(26 22 13 00-0056)*		
26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,945.49	527.63
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,233.29	575.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*404.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*606.16*	
26 22 13 00-0101		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps** *(26 22 13 00-0056)*		
26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	10,284.98	703.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*443.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*665.85*	
		For K4 Factor Rating, Add	*6,214.57*	
		For K13 Factor Rating, Add	*8,877.95*	
		For K20 Factor Rating, Add	*11,541.34*	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	12,508.58	767.47
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*548.68*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*823.02*	
		For K4 Factor Rating, Add	*7,681.55*	
		For K13 Factor Rating, Add	*10,973.64*	
		For K20 Factor Rating, Add	*14,265.73*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	13,045.30	831.43
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*569.12*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*853.68*	
		For K4 Factor Rating, Add	*7,967.72*	
		For K13 Factor Rating, Add	*11,382.45*	
		For K20 Factor Rating, Add	*14,797.19*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,348.06	895.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*777.86*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,166.80*	
		For K4 Factor Rating, Add	*10,890.10*	
		For K13 Factor Rating, Add	*15,557.29*	
		For K20 Factor Rating, Add	*20,224.48*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,022.46	959.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*755.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,132.78*	
		For K4 Factor Rating, Add	*10,572.65*	
		For K13 Factor Rating, Add	*15,103.78*	
		For K20 Factor Rating, Add	*19,634.91*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	21,236.76	1,151.21
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*946.72*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,420.08*	
		For K4 Factor Rating, Add	*13,254.05*	
		For K13 Factor Rating, Add	*18,934.35*	
		For K20 Factor Rating, Add	*24,614.66*	
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	27,810.10	1,279.12
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,262.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,893.89*	
		For K4 Factor Rating, Add	*17,676.30*	
		For K13 Factor Rating, Add	*25,251.86*	
		For K20 Factor Rating, Add	*32,827.42*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	38,087.97	1,598.90
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,744.51*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,616.76*	
		For K4 Factor Rating, Add	*24,423.12*	
		For K13 Factor Rating, Add	*34,890.17*	
		For K20 Factor Rating, Add	*45,357.22*	
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	46,389.13	1,982.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,121.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,181.79*	
		For K4 Factor Rating, Add	*29,696.70*	
		For K13 Factor Rating, Add	*42,423.86*	
		For K20 Factor Rating, Add	*55,151.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	66,983.51	2,430.32
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,106.14*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,659.21*	
		For K4 Factor Rating, Add	*43,486.00*	
		For K13 Factor Rating, Add	*62,122.86*	
		For K20 Factor Rating, Add	*80,759.72*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	157,415.82	2,927.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*7,576.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*11,364.89*	
		For K4 Factor Rating, Add	*106,072.32*	
		For K13 Factor Rating, Add	*151,531.88*	
		For K20 Factor Rating, Add	*196,991.44*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	208,140.61	3,197.80
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*10,087.25*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*15,130.88*	
		For K4 Factor Rating, Add	*141,221.51*	
		For K13 Factor Rating, Add	*201,745.02*	
		For K20 Factor Rating, Add	*262,268.53*	
26 22 13 00-0114		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps** *(26 22 13 00-0056)*		
26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,582.11	495.66
		For K4 Factor Rating, Add	*3,213.55*	
		For K13 Factor Rating, Add	*4,590.79*	
		For K20 Factor Rating, Add	*5,968.03*	
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,945.49	527.63
		For K4 Factor Rating, Add	*4,123.15*	
		For K13 Factor Rating, Add	*5,890.21*	
		For K20 Factor Rating, Add	*7,657.27*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,233.29	575.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*404.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*606.16*	
		For K4 Factor Rating, Add	*5,657.46*	
		For K13 Factor Rating, Add	*8,082.08*	
		For K20 Factor Rating, Add	*10,506.70*	
26 22 13 00-0118		**480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps** *(26 22 13 00-0056)*		
26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	18,306.58	703.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*844.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,267.47*	
		For K4 Factor Rating, Add	*11,829.69*	
		For K13 Factor Rating, Add	*16,899.55*	
		For K20 Factor Rating, Add	*21,969.42*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	20,468.68	831.43
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*940.29*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,410.44*	
		For K4 Factor Rating, Add	*13,164.08*	
		For K13 Factor Rating, Add	*18,805.83*	
		For K20 Factor Rating, Add	*24,447.58*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	30,520.11	959.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,430.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,145.11*	
		For K4 Factor Rating, Add	*20,021.00*	
		For K13 Factor Rating, Add	*28,601.43*	
		For K20 Factor Rating, Add	*37,181.86*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	38,379.05	1,151.21
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,803.83*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,705.75*	
		For K4 Factor Rating, Add	*25,253.65*	
		For K13 Factor Rating, Add	*36,076.64*	
		For K20 Factor Rating, Add	*46,899.63*	
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	46,352.84	1,279.12
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,189.73*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,284.60*	
		For K4 Factor Rating, Add	*30,656.22*	
		For K13 Factor Rating, Add	*43,794.60*	
		For K20 Factor Rating, Add	*56,932.98*	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	59,465.36	1,598.90
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,813.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,220.07*	
		For K4 Factor Rating, Add	*39,387.29*	
		For K13 Factor Rating, Add	*56,267.56*	
		For K20 Factor Rating, Add	*73,147.83*	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	72,256.00	1,982.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,414.54*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,121.80*	
		For K4 Factor Rating, Add	*47,803.51*	
		For K13 Factor Rating, Add	*68,290.73*	
		For K20 Factor Rating, Add	*88,777.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	117,024.51	2,430.32
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*5,608.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*8,412.29*	
		For K4 Factor Rating, Add	*78,514.70*	
		For K13 Factor Rating, Add	*112,163.86*	
		For K20 Factor Rating, Add	*145,813.02*	
26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,583.58	575.60
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,180.31	703.51
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,590.50	831.43
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,158.23	959.34
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	38,150.58	1,151.21
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	46,552.75	1,279.12
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	54,003.53	1,598.90
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	86,456.76	1,982.63
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,075.77	575.60
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,536.39	703.51
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,174.61	831.43
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	29,799.01	959.34
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	45,318.79	1,151.21
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	55,355.94	1,279.12
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	64,163.25	1,598.90
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	102,956.48	1,982.63
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,565.30	572.83
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,349.47	700.13
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,238.49	827.42
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,987.29	954.72
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,309.20	1,145.66
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,535.66	1,272.95
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,265.88	1,591.19
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,411.26	1,973.08
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,293.30	572.83
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,231.30	700.13
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,313.83	827.42
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,510.89	954.72
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,881.80	1,145.66
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,232.59	1,272.95
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,891.17	1,591.19
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	26,650.79	1,973.08
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,018.36	572.83
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,115.58	700.13
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,389.18	827.42
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,032.05	954.72
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,865.91	1,145.66
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,929.51	1,272.95
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,516.47	1,591.19
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	31,890.32	1,973.08
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,775.85	572.83
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,821.64	700.13
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,029.09	827.42
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,524.99	954.72
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,895.30	1,145.66
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,123.62	1,272.95
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,431.33	1,591.19
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,325.07	1,973.08
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,500.91	572.83
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,705.92	700.13
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,104.44	827.42
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,048.61	954.72
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,755.75	1,145.66
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,086.35	1,272.95
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,908.47	1,591.19
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	39,998.24	1,973.08
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,228.42	572.83
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,590.19	700.13
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,179.77	827.42
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,569.75	954.72
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,856.86	1,145.66
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,586.13	1,272.95
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,383.15	1,591.19
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,724.04	1,973.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0203		**3 Phase Weathershields** *(26 22 13 00-0056)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,963.40	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,334.22	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,334.22	
26 22 13 00-0207		**Three Phase Mounting Brackets** *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,503.55	227.72
26 22 13 00-0209		**Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 22 13)*		
26 22 13 00-0210		**Distribution 3 Phase Oil Filled Transformer** *(26 22 13 00-0209)*		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		**Factory Modifications** *(26 22 13 00-0210)*		
		Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,597.68	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	585.02	
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,340.09	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	6,741.93	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	825.91	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	653.85	
26 22 13 00-0218		**Accessories For Transformer Liquid Containment Area** *(26 22 13 00-0210)*		
		Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA	8,279.80	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,482.52*	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	8,279.80	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,482.52*	
26 22 13 00-0221	EA	Containment Area For 150 KVA	8,279.80	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,482.52*	
26 22 13 00-0222	EA	Containment Area For 225 KVA	8,279.80	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,482.52*	
26 22 13 00-0223	EA	Containment Area For 300 KVA	8,271.82	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,480.13*	
26 22 13 00-0224	EA	Containment Area For 500 KVA	8,271.82	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,480.13*	
26 22 13 00-0225	EA	Containment Area For 750 KVA	8,368.18	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,480.13*	
26 22 13 00-0226	EA	Containment Area For 1,000 KVA	9,765.35	2,223.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,480.13*	
26 22 13 00-0227		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 22 13 00-0210)*		
		Note: Rated to 5 KVA.		
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	21,334.89	1,527.55
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	23,399.67	1,527.55
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	24,776.19	1,527.55
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	28,905.76	1,527.55
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	30,619.78	2,291.32
26 22 13 00-0233	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	31,996.30	2,291.32
26 22 13 00-0234	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	48,514.57	2,291.32
26 22 13 00-0235	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	61,941.08	3,055.09
26 22 13 00-0236	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	79,835.87	3,055.09
26 22 13 00-0237		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 22 13 00-0210)*		
		Note: Rated to 5 KVA.		
26 22 13 00-0238	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	22,023.15	1,527.55
26 22 13 00-0239	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	24,776.19	1,527.55
26 22 13 00-0240	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	25,464.45	1,527.55
26 22 13 00-0241	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	26,152.71	1,527.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0242	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	30,619.78	2,291.32
26 22 13 00-0243	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	33,372.82	2,291.32
26 22 13 00-0244	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	48,514.57	2,291.32
26 22 13 00-0245	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	62,629.34	3,055.09
26 22 13 00-0246	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	79,835.87	3,055.09
26 22 13 00-0247		Primary 5 KV Or 15 KV, Secondary 277/480 Volt *(26 22 13 00-0209)*		
		Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	76,079.41	2,025.96
26 22 13 00-0249	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	82,867.01	2,391.68
26 22 13 00-0250	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	92,731.76	2,923.17
26 22 13 00-0251	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	110,705.21	3,288.89
26 22 13 00-0252	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	136,887.52	3,461.89
26 22 13 00-0253	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	164,353.51	5,058.32
26 22 13 00-0254	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	193,787.71	5,722.67
26 22 13 00-0255	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	243,331.96	6,577.80
26 22 13 00-0256	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	269,757.14	6,906.69
26 22 13 00-0257	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	283,938.61	7,696.28
26 22 13 00-0258	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	327,260.87	8,222.50
26 22 13 00-0259		Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 22 13 00-0209)*		
26 22 13 00-0260	EA	1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	139,980.54	5,672.92
26 22 13 00-0261	EA	2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	172,812.76	6,523.89
26 22 13 00-0262	EA	2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	197,178.23	6,867.21
26 22 13 00-0263	EA	3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	208,958.20	7,675.15
26 22 13 00-0264	EA	3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	235,128.31	7,907.72
26 22 13 00-0265		Silicone Filled Distribution Transformers, 3 Phase *(26 22 13 00-0209)*		
		Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	133,020.03	2,391.68
26 22 13 00-0267	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	142,278.95	2,923.17
26 22 13 00-0268	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	166,888.52	3,288.89
26 22 13 00-0269	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	203,025.02	3,461.89
26 22 13 00-0270	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	242,011.01	5,058.32
26 22 13 00-0271	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	308,875.90	5,722.67
26 22 13 00-0272	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	376,278.01	6,577.80
26 22 13 00-0273	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	431,359.97	6,906.69
26 22 13 00-0274		Foam Core Poly Transformer Pads *(26 22 13)*		
26 22 13 00-0275	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	505.01	42.68

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0002		Incoming Service Section Main Device Only *(26 24 13 00-0001)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,389.73	1,090.11
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,859.70	1,153.05
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,857.41	1,307.96
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,464.18	1,402.18
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,592.85	1,495.03
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,158.57	1,589.63
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,318.16	1,090.11
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,816.39	1,153.05
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,505.24	1,309.08
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,008.44	1,402.18
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,592.85	1,496.53
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,158.57	1,589.63
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,221.82	1,661.90
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,658.11	1,780.43
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	24,387.76	1,919.27
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,976.64	965.87
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,288.97	1,028.30
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,767.14	1,183.71
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,062.23	1,233.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,325.97	1,277.93
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,740.59	1,370.16
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,125.77	1,464.13
26 24 13 00-0025		**Branch Breaker Units** *(26 24 13 00-0001)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	377.34	38.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.81*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	552.79	59.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.89*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,485.51	109.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.43*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,638.20	142.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.25*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,697.80	348.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.34*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,524.55	348.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.34*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	12,198.59	621.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*373.13*	
26 24 13 00-0033		**Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0034		**Incoming Service Section Main Device Only** *(26 24 13 00-0033)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,215.46	1,414.52
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,944.22	1,414.52
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,299.32	1,838.25
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,673.35	1,838.25
26 24 13 00-0039		**Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0040		**Incoming Service Section Main Device Only** *(26 24 13 00-0039)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,950.44	965.87
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,399.31	1,028.30
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,746.08	1,183.71
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,329.74	1,276.94
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,831.80	965.87
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,105.53	1,028.30
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,576.59	1,183.71
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,322.21	1,276.94
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,467.08	1,433.21
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,763.32	841.11
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,097.27	903.67
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,635.96	1,059.09
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,914.37	1,108.81
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,183.80	1,153.05
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,540.34	1,233.44
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,889.09	1,307.96
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,069.04	1,620.15
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,793.71	1,775.94
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,996.40	1,916.15
26 24 13 00-0060		**Branch Breaker Units** *(26 24 13 00-0039)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	202.77	33.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.82*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	322.11	54.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.90*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	981.92	76.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.99*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,824.03	98.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.07*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,447.77	239.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.93*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,323.48	239.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.93*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,426.48	458.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.83*	
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,391.26	1,090.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,858.00	1,153.05
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,855.20	1,307.96
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,461.66	1,402.18
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,587.10	1,495.03
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,158.57	1,589.63
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,319.69	1,090.11
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,814.69	1,153.05
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,505.24	1,309.08
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,005.92	1,402.18
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,589.97	1,496.53
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,158.57	1,589.63
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,123.70	965.87
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,493.47	1,028.30
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,073.76	1,183.71
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,384.03	1,233.44
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,683.99	1,277.93
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,084.91	1,370.16
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,491.37	1,464.13
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,520.14	1,663.78
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,215.30	1,780.31
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,523.00	1,913.03

26 24 13 00-0092 Branch Breaker Units *(26 24 13 00-0068)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	377.34	38.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.81*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	552.79	59.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.89*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,485.51	109.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.43*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,638.20	142.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.25*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,697.80	348.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.34*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,524.55	348.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.34*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	12,198.59	621.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*373.13*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,690.67	1,495.03
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,247.07	1,589.63
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,895.14	1,774.32
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,724.30	1,899.82
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,266.94	1,495.03
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,780.03	1,589.63
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,081.87	1,776.32
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,001.14	1,899.82
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,648.61	2,025.82
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,282.73	2,151.70
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,123.70	965.87
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,493.47	1,028.30
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,073.76	1,183.71
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,384.03	1,233.44
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,683.99	1,277.93
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,084.91	1,370.16
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,491.37	1,464.13

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	782.24	38.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.81*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	901.19	59.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.89*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,634.29	109.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.43*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,638.20	142.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.25*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	6,321.16	348.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.34*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	6,466.17	348.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.34*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	10,373.73	621.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*373.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0127		**Fusible Branch Circuit Switch** *(26 24 13)*		
		Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128		**240 Volt, 2 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	804.28	97.83
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	801.46	97.83
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	801.46	97.83
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,258.57	128.99
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,258.57	128.99
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0134		**240 Volt, 2 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	920.46	95.97
		For Electrical Interlock Kit, Add	*315.39*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,343.38	95.97
		For Electrical Interlock Kit, Add	*315.39*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,452.57	258.61
26 24 13 00-0138		**240 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,031.08	110.30
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,028.26	110.30
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,028.26	110.30
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,549.51	147.69
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,549.51	147.69
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0144		**240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,115.04	108.42
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,804.48	108.42
		For Electrical Interlock Kit, Add	*315.39*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,625.73	289.51
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,607.02	370.89
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,302.93	502.50
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,458.01	110.30
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,455.15	110.30
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,458.01	110.30
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,193.68	147.69
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,241.35	147.69
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,775.94	193.18
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,574.86	108.42
		For Electrical Interlock Kit, Add	*329.23*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,388.24	108.42
		For Electrical Interlock Kit, Add	*315.39*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,809.84	289.51
		For Electrical Interlock Kit, Add	*315.39*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,055.21	370.89
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,302.93	502.50
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,919.82	1,146.57
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,484.60	1,146.57
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,880.54	1,458.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,283.16	1,458.14
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,286.22	1,327.28
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,835.08	1,327.28
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,283.16	1,645.09
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,644.85	1,645.09
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,853.32	1,620.15
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,415.79	1,620.15
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,892.13	1,994.04
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,422.01	1,994.04
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,760.75	1,775.94
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,432.15	1,775.94
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,998.26	2,193.45
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,459.84	2,193.45
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,991.80	1,782.17
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,717.47	2,006.50
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,838.48	2,006.50
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,083.04	2,118.66
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,867.94	2,006.50
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,987.14	2,006.50
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,231.70	2,118.66
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,027.72	2,118.66
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,231.70	2,118.66
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,320.01	2,118.66
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	620.85	149.55
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	700.01	149.55
26 24 13 00-0201	EA	Cable Supports In Pull Box	249.85	37.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.77*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	602.48	174.48
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	1,041.32	224.33
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	1,041.32	224.33
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	780.33	174.48
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,115.84	255.49
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,273.90	255.49
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,335.79	330.26
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,411.20	330.26
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,842.49	1,038.52
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,303.65	1,128.88
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,652.20	1,442.44
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,275.18	1,573.54
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,758.76	1,675.12
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,749.67	911.03
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	3,285.96	865.41
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,640.33	938.45
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	8,168.15	1,038.52
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	8,767.60	1,041.26
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	9,624.54	1,162.53
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	184.57	62.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.06*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	225.20	63.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.96*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	1,036.23	74.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,716.06	161.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.88*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	684.45	224.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.89*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,925.97	129.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.86*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,510.41	540.88
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,569.68	731.44
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,007.10	890.21
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,057.69	1,246.28
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,267.83	1,557.84
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,902.75	1,557.84
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,526.82	2,077.17
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,744.25	2,077.17
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,459.46	2,472.74
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,699.65	2,472.74
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,792.04	1,308.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*783.49*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	16,037.53	2,180.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,307.28*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	36,084.08	3,664.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,178.80*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	58,134.94	5,932.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,622.89*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,048.66	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.73	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	516.54	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	372.05	
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,296.99	1,370.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*826.44*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	19,120.34	2,305.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,376.59*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	40,530.61	3,801.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,290.95*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	62,609.77	6,231.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,830.76*	
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,002.18	1,196.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*719.00*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,806.33	2,006.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,198.34*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	18,991.17	3,364.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,997.24*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	32,769.83	5,421.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,326.36*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	53,333.08	8,848.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,530.80*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,253.19	1,146.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*685.77*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,396.72	1,919.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,142.67*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	21,937.78	3,190.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,907.56*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	36,207.78	5,196.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,179.27*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	56,636.41	8,910.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,310.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0268		**Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)*		
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	2,987.21	1,046.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*603.04*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,359.16	1,046.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*655.94*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,834.89	1,246.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*719.00*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,744.40	1,246.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*778.92*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,512.86	1,495.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*853.61*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,739.82	1,495.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*944.15*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	390.11	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.30	
26 24 13 00-0277		**Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)*		
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	619.37	90.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.19*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	730.83	119.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.90*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,110.06	180.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.31*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,788.89	226.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.86*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,376.14	303.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.21*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,077.81	389.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.68*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,558.30	593.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*356.08*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,558.30	593.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*356.08*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,198.39	830.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*498.51*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,481.77	1,246.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*747.77*	
26 24 13 00-0288		**Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)*		
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,446.02	540.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.55*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,548.85	592.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.40*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,144.57	890.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*534.12*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,925.61	1,246.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*747.77*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,190.31	1,378.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*827.18*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	18,746.07	2,472.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,483.66*	
26 24 13 00-0295		**Branch Or Distribution Devices** *(26 24 13)*		
26 24 13 00-0296		**3 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	648.31	44.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	654.04	56.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,578.23	67.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,289.28	87.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,228.55	107.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.78*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,229.59	125.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.12*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,459.89	142.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.97*	
26 24 13 00-0304		**2 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	446.54	33.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	573.61	44.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,573.37	56.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,494.61	62.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,635.08	81.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.21*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	5,976.43	117.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.52*	

26 24 13 00-0311 Meter Devices And Instrumentation *(26 24 13)*

Note: Factory installed accessories.

26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*

26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	471.39	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	680.89	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	801.90	

26 24 13 00-0316 Instruments *(26 24 13 00-0311)*

26 24 13 00-0317	EA	AC Voltmeter	642.96	
26 24 13 00-0318	EA	AC Ammeter	642.96	
26 24 13 00-0319	EA	AC Wattmeter	1,717.58	
26 24 13 00-0320	EA	Variometer	1,939.73	
26 24 13 00-0321	EA	Power Factor Meter	1,549.62	
26 24 13 00-0322	EA	Frequency Meter	1,710.36	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	577.95	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,176.33	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,641.06	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,502.11	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	81.94	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,392.03	

26 24 16 Panelboards *(26 24)*

26 24 16 00-0001 Branch Circuit Panelboard *(26 24 16)*

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes main lugs or breaker (as indicated), 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,333.70	355.18
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,516.69	355.18
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,722.87	492.28
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,931.60	492.28
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,127.98	616.91
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,329.46	616.91
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,524.18	710.38
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,032.49	909.78
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,192.31	909.78
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,349.37	1,040.64
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,602.65	1,040.64
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,758.73	1,171.50
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,990.69	1,171.50
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,132.64	1,296.13
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,365.66	1,296.13
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,579.82	1,433.21
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,728.00	1,433.21
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,943.79	1,433.21
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,579.50	342.73
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,765.20	342.73
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,193.18	585.75
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,487.08	585.75
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,687.43	716.61
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,896.28	716.61
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,081.88	859.93
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,728.45	859.93
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,893.85	1,053.10
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,073.37	1,053.10
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,269.86	1,183.97
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,429.46	1,183.97
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,599.54	1,296.13
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,781.68	1,296.13
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,977.88	1,532.92
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,190.53	1,532.92
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,422.63	1,532.92
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,566.59	1,620.15
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0041		**120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16.00-0002)*		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,609.75	405.04
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,807.20	405.04
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,031.24	542.13
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,266.49	542.13
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,477.47	666.75
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,702.86	666.75
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,915.16	791.38
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,134.85	791.38
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,338.84	928.48
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,573.77	928.48
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,813.35	1,071.79
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,048.22	1,071.79
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,518.12	1,296.13
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,678.42	1,296.13
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,952.31	1,439.44
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,201.18	1,439.44
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,376.93	1,570.31
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,625.90	1,570.31
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,466.27	1,393.34
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,643.15	1,464.37
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,929.43	1,542.27
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,197.14	1,632.62
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,383.84	1,682.47
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,685.18	1,785.29
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0066		**120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,913.35	392.57
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,113.35	392.57
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,351.06	517.20
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,680.72	517.20
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,169.50	778.92
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,375.55	778.92
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,598.78	909.78
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,784.87	909.78
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,035.26	1,053.10
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,206.76	1,053.10
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,483.71	1,183.97
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,721.00	1,183.97
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,547.96	1,370.90
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,793.86	1,445.68
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,898.68	1,445.68
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,174.81	1,632.62
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,367.21	1,632.62
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	6,494.31	1,632.62
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,524.20	1,501.76
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,793.11	1,589.00
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,901.49	1,632.62
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,199.55	1,732.32
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,390.86	1,782.17
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,571.87	1,844.49
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0091		**480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,815.13	398.81
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,075.86	398.81
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,325.89	548.36
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,586.59	548.36
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,829.83	685.45
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,086.05	685.45
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,353.35	828.77
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,598.48	828.77
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,867.81	984.56
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,127.88	984.56
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,367.12	1,121.65
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,623.33	1,121.65
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,170.53	1,364.67
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,426.45	1,364.67
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,698.82	1,495.53
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	5,898.07	1,495.53
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,200.95	1,651.31
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,417.61	1,651.31
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0110		480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,308.63	423.73
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,563.44	461.12
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,821.06	573.28
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,390.79	697.91
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,636.85	772.69
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,861.01	835.01
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,108.21	909.78
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,346.02	984.56
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,563.49	1,046.87
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,796.89	1,109.18
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,049.59	1,183.97
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,325.89	1,277.44
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,696.55	1,420.75
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,961.44	1,507.99
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,149.37	1,545.38
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,447.38	1,645.09
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	7,654.23	1,707.40
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,868.78	1,760.99
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,207.78	436.20
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,498.60	436.20
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,781.84	579.52
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,067.41	579.52
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,357.65	716.61
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,641.86	716.61
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,930.75	859.93
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,218.42	859.93
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,532.91	1,009.48
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,796.05	1,009.48
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,074.19	1,015.71
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,370.40	1,015.71
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,118.26	1,408.29
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,421.25	1,408.29
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,654.85	1,483.07
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,985.84	1,582.77
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,235.35	1,582.77
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,602.86	1,732.32
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,865.21	535.90
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,162.94	535.90
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,449.40	710.38
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,108.62	710.38
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,384.82	897.32
		For NEMA 3R Panelboard, Add	*1,534.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,660.57	897.32
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,926.94	1,028.18
		For NEMA 3R Panelboard, Add	*1,534.02*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,172.96	1,028.18
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,434.91	1,171.50
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,716.14	1,171.50
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,957.70	1,296.13
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,211.32	1,296.13
		For NEMA 3R Panelboard, Add	*1,687.00*	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	8,113.06	1,532.92
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,421.38	1,532.92
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,648.21	1,676.24
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,993.07	1,676.24
		For NEMA 3R Panelboard, Add	*1,992.76*	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	9,240.93	1,832.02
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,497.31	1,832.02
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	11,268.24	2,040.16
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	13,715.76	2,448.92
		For NEMA 3R Panelboard, Add	*2,074.05*	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	703.79
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	809.77
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,102.51
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,272.51
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,439.96
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,610.36	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,748.32	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,914.50	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,081.83	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,219.24	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,423.86	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,046.95	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,186.18	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,900.45	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,110.10	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,307.11	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,005.31	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,240.55	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,453.08	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,423.95	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,521.70	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,797.30	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,963.87	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,118.29	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,421.74	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,550.79	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,708.74	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,939.16	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,071.56	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,263.41	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,758.88	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,889.19	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,728.30	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,921.49	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,106.15	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,787.20	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,014.21	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,224.69	
26 24 16 00-0213		240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	793.21	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	932.84	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,049.99	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,188.61	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,368.11	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,515.05	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,746.92	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,882.40	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,031.96	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,233.47	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,465.17	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,916.64	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0227		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,227.63	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,384.57	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,587.83	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,353.31	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,548.25	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,730.02	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,778.83	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,997.48	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,178.90	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0237		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,513.37	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,644.77	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,753.00	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,883.39	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,059.47	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,193.37	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,558.31	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,684.87	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,826.19	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,090.81	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,306.73	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,758.21	

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,939.56	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,087.59	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,286.05	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,181.16	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,359.63	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,529.06	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,279.79	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,505.57	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,699.06	

26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,137.56	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,248.39	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,723.55	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,921.67	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,093.01	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,087.63	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,199.96	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,389.91	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,524.11	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,705.56	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,954.46	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,332.00	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,405.63	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,611.63	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,751.89	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,030.96	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,939.39	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,113.12	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,337.04	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,476.31	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,710.28	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,922.44	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0285		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,833.03	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,943.86	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,402.56	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,720.02	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,877.65	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,872.26	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,964.02	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,124.47	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,327.26	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,491.92	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,704.71	
26 24 16 00-0297		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,175.62	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,249.25	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,296.81	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,430.90	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,829.31	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,724.02	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,877.18	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,071.61	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,210.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,426.00	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,635.28	
26 24 16 00-0309		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0310		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*		
26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,184.19	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,295.72	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,499.23	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,792.17	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,991.80	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,161.82	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,178.34	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,312.44	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,500.94	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,635.39	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,817.71	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,067.54	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0323		Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*		
26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,572.05	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,646.37	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,867.54	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,941.61	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,082.45	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,360.80	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,326.45	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,502.29	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,723.84	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,940.13	
		For Door-In-Door (Hinged) Trim Front, Add	*123.27*	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,176.35	
		For Door-In-Door (Hinged) Trim Front, Add	*210.53*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,388.36	
		For Door-In-Door (Hinged) Trim Front, Add	*269.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0336		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*		
26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,879.67	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,991.19	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,184.41	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,471.18	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,790.15	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,946.46	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,965.03	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,076.50	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,235.51	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,438.54	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,603.71	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,816.51	
26 24 16 00-0349		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*		
26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,251.06	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,325.38	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,665.89	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,626.80	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,761.46	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,159.16	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,111.09	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,266.35	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,458.41	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,674.69	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,891.71	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,100.30	
26 24 16 00-0362		600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: Square D I-Line or equal.		
26 24 16 00-0363		Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*		
26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,024.21	370.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.38*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,368.01	370.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.32*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,626.91	370.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.32*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,003.52	608.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*365.09*	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,203.90	608.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*365.09*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,423.78	608.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*365.09*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,704.80	808.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*485.31*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,897.71	811.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*486.79*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,976.11	808.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*485.31*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,611.81	808.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*485.31*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,016.79	1,216.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*730.19*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,449.46	1,216.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*730.19*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,803.22	1,216.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*730.19*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,235.01	1,216.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*730.19*	
26 24 16 00-0378		Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*		
26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,899.11	378.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*227.08*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,116.14	429.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.57*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,366.17	429.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.57*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,102.06	429.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*257.57*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,964.01	703.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*422.23*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,377.37	705.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*423.35*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,717.64	703.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*422.23*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,071.30	940.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*564.47*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,560.27	937.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*562.48*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	11,047.91	937.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*562.48*	
26 24 16 00-0389		Residential Lighting And Power Panelboards *(26 24 16 00-0001)*		
		See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390		Residential Type Unassembled Load Center *(26 24 16 00-0389)*		
		Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*		
26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	168.00	62.31
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	562.96	249.26
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	851.11	355.81
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,819.41	747.89
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,989.82	810.08
26 24 16 00-0397		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	234.20	68.55
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	419.80	74.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0400		**Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	238.17	68.55
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	265.67	74.78
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	930.60	355.81
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,110.78	810.08
26 24 16 00-0405		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	294.68	68.55
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,040.76	747.89
26 24 16 00-0408		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt** *(26 24 16 00-0390)*		
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,196.10	747.89
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,383.79	810.08
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,392.71	1,246.28
26 24 16 00-0412		**Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,199.67	747.89
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,490.18	810.08
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,237.15	1,246.28
26 24 16 00-0416		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,308.41	747.89
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,575.59	810.08
26 24 16 00-0419		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,385.94	747.89
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,510.39	810.08
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	851.63	355.81
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,036.92	415.63
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	870.64	355.81
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,042.11	415.63
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,512.32	553.97
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,784.23	664.89
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,040.35	767.08
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,248.30	830.40
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,365.15	1,246.28
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,579.71	553.97
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,848.17	664.89
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,104.28	767.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,308.78	830.40
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,563.86	1,246.28
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,143.19	1,384.74
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,350.54	1,384.74
26 24 16 00-0440		Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,133.69	415.63
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,690.36	623.14
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,190.71	415.63
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,742.19	623.14
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,138.84	767.08
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,335.59	830.89
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,858.64	997.39
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,434.27	1,246.28
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,199.32	767.08
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,403.82	830.40
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,090.64	996.64
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,667.54	1,246.28
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,195.03	1,384.74
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,402.38	1,384.74
26 24 16 00-0455		Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,126.77	415.63
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,666.17	623.14
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,925.92	664.89
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,208.71	767.46
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,430.63	830.89
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,218.18	1,107.94
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,943.20	664.89
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,242.52	767.08
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,438.38	830.40
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,123.15	1,107.94
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,922.95	1,384.74
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,268.53	1,384.74
26 24 16 00-0468		Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,914.44	830.89
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,987.20	1,246.28
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,017.23	830.40
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,090.88	1,246.28
26 24 16 00-0473		Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0474		**Midget Finger-Safe Fuse Holders** *(26 24 16 00-0473)* Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	79.24	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	93.17	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	127.72	33.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	164.07	33.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	187.46	44.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	235.73	44.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	276.11	44.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	222.58	44.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	236.08	56.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	289.09	56.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	93.21	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	100.61	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	94.58	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 24 16 00-0488		**Removal And Reinstallation Of Panelboards** *(26 24 16 00-0001)* Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,564.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*467.35*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	83.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.30*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	5.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.17*	
26 24 19		**Motor-Control Centers** *(26 24)*		
26 24 19 00-0001		**Combination Starters With Molded Case Circuit Breakers** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,386.91	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,825.18	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,198.47	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	7,602.50	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	15,297.81	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	25,731.05	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0009		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,386.91	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,825.18	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,198.47	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	7,602.50	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	15,297.81	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	25,731.05	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0016		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,452.95	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,598.15	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	6,585.78	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	11,514.33	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	22,649.44	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	39,024.97	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0023		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,452.95	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,598.15	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	6,585.78	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	11,514.33	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	22,649.44	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	39,024.97	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,206.17	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	5,778.34	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	8,497.81	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.97*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	15,170.09	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	25,117.49	273.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.97*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,206.17	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	5,778.34	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	8,497.81	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.97*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	15,170.09	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	25,117.49	273.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.97*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,846.49	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,206.79	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,860.70	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	18,513.63	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	32,065.40	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,846.49	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,206.79	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,860.70	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	18,513.63	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	32,065.40	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,161.62	119.56
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	10,958.45	130.94
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	18,461.68	148.03
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	28,551.07	170.79
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	48,836.18	227.72
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,161.62	119.56
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	10,958.45	130.94
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,461.68	148.03
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	28,551.07	170.79
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	48,836.18	227.72
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	4,904.07	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,331.95	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,115.96	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	18,931.46	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	26,004.35	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	4,904.07	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,331.95	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,115.96	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	18,931.46	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	26,004.35	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	20,184.97	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	21,416.44	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	23,650.62	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	35,797.57	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	48,816.79	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	66,245.21	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	20,184.97	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	21,416.44	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	23,650.62	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	35,797.57	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	48,816.79	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	66,245.21	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,188.70	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,626.97	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,601.04	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	10,310.52	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	18,446.25	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	30,060.72	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,188.70	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,626.97	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,601.04	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	10,310.52	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	18,446.25	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	30,060.72	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,247.97	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,384.13	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	7,956.72	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	14,186.22	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	25,734.64	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	

26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,247.97	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,384.13	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	7,956.72	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	14,186.22	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	25,734.64	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	

26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,987.63	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,548.51	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,846.18	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.97*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,810.35	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,177.85	273.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.97*	

26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,987.63	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,548.51	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,846.18	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.97*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,810.35	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,177.85	273.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.97*	

26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,741.82	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,088.64	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	11,338.92	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	21,270.29	222.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.22*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	35,246.97	261.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.14*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,741.82	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,088.64	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	11,338.92	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	21,270.29	222.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.22*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	35,246.97	261.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.14*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	7,920.50	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	12,747.24	130.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.57*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	21,535.59	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	32,618.75	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	53,662.73	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0149		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	7,920.50	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	12,747.24	130.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.57*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	21,535.59	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	32,618.75	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	53,662.73	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0155		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,685.53	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,097.60	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	12,455.29	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	22,043.76	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	32,513.54	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	
26 24 19 00-0161		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,685.53	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,097.60	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	12,455.29	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	22,043.76	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	32,513.54	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	20,833.17	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	22,057.87	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	24,269.47	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	36,310.26	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	49,214.30	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	68,971.30	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	20,833.22	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.83*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	22,057.87	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	24,269.47	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	36,310.26	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	49,214.30	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	68,971.30	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0181		Combination Starters With Fusible Switch *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)* Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,124.91	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,926.81	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,925.73	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,679.83	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,082.70	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	25,109.95	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0189		480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)* Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,124.91	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,926.81	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,925.73	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,679.83	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,082.70	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	25,109.95	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0196		230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)* Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,423.59	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,095.04	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,144.19	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	13,266.98	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	20,404.43	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	34,677.23	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0203		480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)* Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,423.59	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,095.04	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,144.19	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	13,266.98	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	20,404.43	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	34,677.23	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0210		230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,016.45	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,516.34	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,667.20	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.97*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,463.70	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,622.87	273.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,016.45	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,516.34	193.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.14*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,667.20	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.97*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,463.70	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,622.87	273.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.97*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,570.94	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,962.87	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,018.80	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	20,180.45	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,570.94	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,962.87	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,018.80	125.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.15*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	20,180.45	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	6,915.44	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,198.41	130.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.57*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	20,313.70	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	27,119.14	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	45,552.22	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	6,915.44	119.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.74*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,198.41	130.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.57*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	20,313.70	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	27,119.14	170.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.48*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	45,552.22	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	4,933.43	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,526.18	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,375.16	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	20,654.74	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	4,933.43	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,526.18	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,375.16	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	20,654.74	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	

26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	20,182.71	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,416.44	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,650.62	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	35,797.57	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	48,816.79	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	66,245.21	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	

26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt *(26 24 19 00-0181)*

Note: Energy saver.

26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	20,182.71	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.81*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,416.44	182.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.31*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,650.62	210.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.38*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	35,797.57	233.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.05*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	48,816.79	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	66,245.21	364.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.63*	

26 24 19 00-0268 Starter Accessories *(26 24 19)*

Note: Additional options or accessories for the Combination Starters

26 24 19 00-0269 Starter Modifications *(26 24 19 00-0268)*

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	188.55
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	352.34
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	503.66
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	126.48
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	178.43
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	300.39
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	74.53
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	63.24
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	141.50
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	174.94
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	342.17
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	174.94
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	200.67
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	241.83
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	285.57
26 24 19 00-0285	EA	Blank Devices Panel	54.03
26 24 19 00-0286	EA	Oversize Or Special Color Starter	84.90
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	741.65
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	672.18
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	1,003.36
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	84.90
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	120.92
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	84.90
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	120.92
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	120.92
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	174.94
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	434.79
26 24 19 00-0297	EA	Heater Module	79.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0298	EA	LAM - Long Acceleration Module	495.54	
26 24 19 00-0299	EA	JAM - Jam Protection Module	568.06	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,078.10	
26 24 19 00-0301	EA	ULM - Underload Module	517.29	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	113.61	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	212.72	
26 24 19 00-0304	EA	Type SIS Control Wire	89.44	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	113.61	
26 24 19 00-0306	EA	Ring Terminals Power	113.61	
26 24 19 00-0307	EA	14 Gauge Control Wire	89.44	
26 24 19 00-0308	EA	Wiremakers	113.61	
26 24 19 00-0309	EA	Wiring Diagram On Door	67.68	
26 24 19 00-0310	EA	Special Color Or Type Control Wire	82.19	
26 24 19 00-0311	EA	Current Transformer 12.5 VA	645.41	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,061.92	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,320.57	

26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays	569.50	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays	673.23	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays	788.34	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays	877.34	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	756.12	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays	1,970.32	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays	2,479.92	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	695.41	
26 24 19 00-0323	EA	Phase Voltage, Control Relays	1,182.93	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays	1,655.73	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays	161.89	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	4,612.13	
26 24 19 00-0327	EA	UV-Relay, Control Relays	3,906.29	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	3,906.29	
26 24 19 00-0329	EA	Teleductor, Control Relays	1,219.72	
26 24 19 00-0330	EA	Current Transducer, Control Relays	3,280.19	
26 24 19 00-0331	EA	Watt Transducer, Control Relays	6,560.38	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	222.60	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	332.99	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	375.30	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	417.61	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	375.30	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	417.61	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	439.69	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	358.37	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	123.78	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	445.22	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker	2,052.39	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker	1,188.91	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,799.69	74.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,122.02	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	3,021.73	74.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,341.49	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,586.68	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,427.08	148.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.83*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,585.21	159.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.66*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,368.92	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.92*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,645.59	313.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.94*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	12,234.88	472.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*283.75*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	26,950.24	626.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.43*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	40,317.44	785.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*470.95*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	67,388.93	910.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*547.01*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,167.59	74.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,479.63	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,167.59	74.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,479.63	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,703.50	74.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	5,066.99	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	6,296.75	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,302.11	113.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	8,357.45	313.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.94*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,357.45	313.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.94*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	11,282.46	341.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.87*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	14,097.62	398.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.01*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	16,217.44	472.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*283.75*	

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,934.30	113.86
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	2,995.48	113.86
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	3,109.49	142.33
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	5,072.88	170.79
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	10,031.58	216.34
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	14,076.06	284.65
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	34,318.24	381.44
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	38,692.72	529.47

26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,754.59
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,811.19
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,870.36
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	2,145.64
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,325.73
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,593.72
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	3,164.44
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,565.78
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	8,289.28
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,399.34
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	6,094.75
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	9,498.45
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,796.10
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	12,189.51
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,400.53
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,177.03

26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	828.41
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,811.19
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	746.09
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,811.19
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	1,005.93
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	1,067.68
26 24 19 00-0405	EA	Add For Additional Circuits	132.95
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	3,735.58
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	3,913.09
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	3,450.01
26 24 19 00-0409	EA	Add For Demand Attachment	870.21
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer	1,031.66
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,780.32
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer	2,073.61
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,728.86
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,860.07
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,422.71

26 24 19 00-0416 Current Limiting Reactors *(26 24 19 00-0268)*

26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors	31,754.98
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors	46,244.49
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors	60,767.45
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors	92,499.27

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0421		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	490.11	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	490.11	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	677.57	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,239.95	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	677.57	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	865.03	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	865.03	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,237.69	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	865.03	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,237.69	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,052.49	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,412.69	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,052.49	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,237.69	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,412.69	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,412.69	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	1,113.94	
26 24 19 00-0439	EA	Throat And Transition To Substation	2,150.45	
26 24 19 00-0440	EA	Service Entrance Label	465.71	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	973.45	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus	577.72	
26 24 19 00-0443		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	307.52	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	307.52	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	951.33	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	1,073.01	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	91.81	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	247.79	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	51.99	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	223.45	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	703.42	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	223.45	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	454.44	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,483.09	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,493.50	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,500.75	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	683.15	341.59
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,024.72	512.39
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,138.63	569.32
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,366.48	683.18
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	113.86	56.93
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	683.15	341.59
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,024.72	512.39
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,138.63	569.32
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,366.48	683.18
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	113.86	56.93
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	797.06	398.52
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,024.72	512.39
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,366.48	683.18
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,593.88	796.93
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	170.79	85.40
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	910.90	455.45
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,252.60	626.25
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,593.88	796.93
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,821.50	910.79
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	227.72	113.86
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	910.90	455.45
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,366.48	683.18
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,707.77	853.86
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	1,935.80	967.95
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	227.72	113.86
26 24 19 00-0484		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0485		**2.4 KV Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	12,605.78	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	12,605.78	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	12,605.78	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	12,662.75	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.73*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	13,455.35	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	13,512.26	313.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.87*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	13,569.18	341.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.95*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	13,683.09	398.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.12*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	13,796.93	455.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.27*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	23,081.09	512.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.42*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	24,785.32	569.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.59*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	18,637.09	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	19,420.35	244.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.89*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	22,056.46	267.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*160.55*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	24,542.99	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	26,714.90	330.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*198.13*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	29,264.80	352.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.79*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	31,813.19	375.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.44*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	34,840.75	409.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*245.95*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	40,530.62	455.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.27*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	43,906.48	483.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.37*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	66,951.04	569.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.59*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	71,345.49	626.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.78*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	75,175.07	683.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*409.94*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	81,855.44	740.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*444.14*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	17,592.24	227.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.64*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	17,649.21	256.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.73*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	17,706.11	284.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.80*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	17,763.02	313.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.87*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	17,822.91	341.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.95*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	17,879.90	370.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.04*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	17,936.82	398.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.12*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	18,164.48	512.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.42*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	30,767.59	569.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.59*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	30,881.56	626.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.78*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	32,576.84	683.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*409.94*	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	6,930.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	7,138.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	10,891.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	

26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	13,777.26	341.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.95*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	13,834.25	370.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.04*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	13,891.17	398.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.12*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	13,948.13	426.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	14,733.29	455.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.27*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	14,790.29	483.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.37*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	14,847.11	512.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.42*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	14,904.15	540.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.53*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	14,961.02	569.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.59*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	25,208.91	740.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*444.14*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	25,322.31	796.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.16*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	27,019.09	853.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*512.33*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	27,132.82	910.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*546.45*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	19,075.85	341.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.95*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	19,340.91	370.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.04*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	22,533.88	398.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.12*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	25,035.77	426.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.21*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	27,173.44	455.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.27*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	29,734.82	483.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.37*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	32,139.96	512.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.42*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	35,310.75	540.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.53*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	40,866.85	569.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.59*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	44,648.43	597.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*358.68*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	48,486.93	654.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*392.84*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	51,648.77	683.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*409.94*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	54,632.06	711.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*426.99*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	58,798.81	740.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*444.14*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	93,041.84	910.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*546.45*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	103,441.19	967.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*580.74*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	124,251.26	1,024.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*614.84*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	131,392.83	1,024.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*614.84*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	18,874.66	398.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.12*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	18,931.62	426.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.21*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	18,988.50	455.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.27*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	19,045.50	483.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*290.37*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	20,668.86	512.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.42*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	20,725.90	540.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.53*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	20,782.77	569.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*341.59*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	20,839.73	597.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*358.68*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	20,896.74	626.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.78*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	21,238.02	796.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*478.16*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	34,049.19	853.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*512.33*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	35,738.37	910.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*546.45*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	35,738.37	910.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*546.45*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	10,413.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	10,730.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	16,432.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.32*	
26 24 19 00-0573		**2.4/4.8 KV Motor Control Centers, Accessories** *(26 24 19 00-0484)*		
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,556.13	227.72
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	16,292.09	341.59
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,332.47	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	260.98	17.08
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,544.86	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	828.89	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,468.61	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	158.10	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	523.99	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	158.10	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	478.82	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,273.83	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,273.83	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	3,810.20	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,626.71	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	512.97	17.08
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	3,686.91	56.93
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	7,040.41	28.47
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,084.21	28.47
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	5,335.20	17.08
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	7,727.07	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	721.26	56.93
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	515.53	56.93
26 24 19 00-0597		**Incoming Section And Feeder Air Circuit Breakers** *(26 24 19 00-0484)*		
		Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,136.73	341.48
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	1,978.12	604.44
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,390.80	773.93
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	3,819.79	1,246.28
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,466.66	1,370.90
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,648.97	1,520.46
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	6,580.93	1,782.17
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	10,875.94	2,076.29
26 24 19 00-0606		**Main Lugs Only** *(26 24 19 00-0484)*		
26 24 19 00-0607	EA	600 Amperes Incoming Section, Main Lugs	975.80	436.20
26 24 19 00-0608	EA	800 Amperes Incoming Section, Main Lugs	1,064.04	436.20
26 24 19 00-0609	EA	1,200 Amperes Incoming Section, Main Lugs	1,511.48	685.45
26 24 19 00-0610	EA	2,000 Amperes Incoming Section, Main Lugs	3,490.05	1,246.28
26 24 19 00-0611	EA	3,000 Amperes Incoming Section, Main Lugs	5,275.54	1,807.09
26 24 19 00-0612	EA	4,000 Amperes Incoming Section, Main Lugs	7,472.20	2,492.55
26 24 19 00-0613		**Incoming Main Circuit Breaker Structure** *(26 24 19 00-0484)*		
		Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614	EA	225 Amperes, Main Circuit Breaker Section	5,454.65	603.08
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amperes, Main Circuit Breaker Section	11,319.28	774.69
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amperes, Main Circuit Breaker Section	11,959.48	1,206.64
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0617	EA	800 Amperes, Main Circuit Breaker Section	16,731.82	1,206.64
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amperes, Main Circuit Breaker Section	24,021.60	1,365.30
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0619		Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*		
		Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA	200 Amperes, Fusible Main Disconnect Section	4,777.49	603.82
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amperes, Fusible Main Disconnect Section	6,566.28	775.06
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	600 Amperes, Fusible Main Disconnect Section	12,670.58	1,207.64
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amperes, Fusible Main Disconnect Section	14,628.29	1,207.64
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0624	EA	1,200 Amperes, Fusible Main Disconnect Section	20,430.46	1,366.54
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0625		Circuit Breaker Combination Starters *(26 24 19 00-0484)*		
26 24 19 00-0626		Class I, Type A *(26 24 19 00-0625)*		
26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	924.49	252.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.24*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,068.17	252.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.78*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,535.18	358.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.88*	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,439.51	472.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*283.25*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	4,231.51	590.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*354.06*	
26 24 19 00-0632		Class I, Type B *(26 24 19 00-0625)*		
26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	864.19	220.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.63*	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,003.41	220.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.35*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,458.04	319.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.73*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,360.83	432.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.64*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	4,168.05	552.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.02*	
26 24 19 00-0638		Class I, Type C *(26 24 19 00-0625)*		
26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	893.79	204.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.89*	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,044.67	204.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.58*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,539.58	305.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.28*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0642		EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,449.46	422.49
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*253.31*	
26 24 19 00-0643		EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	4,246.18	542.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.55*	
26 24 19 00-0644			**Class II, Type B** *(26 24 19 00-0625)*		
26 24 19 00-0645		EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	951.29	302.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.19*	
26 24 19 00-0646		EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,271.00	302.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.15*	
26 24 19 00-0647		EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,773.06	403.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.53*	
26 24 19 00-0648		EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	2,815.63	517.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*311.57*	
26 24 19 00-0649		EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	4,904.22	631.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.96*	
26 24 19 00-0650			**Class II, Type C** *(26 24 19 00-0625)*		
26 24 19 00-0651		EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,139.52	286.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.99*	
26 24 19 00-0652		EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,299.51	286.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.06*	
26 24 19 00-0653		EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,860.23	391.33
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.26*	
26 24 19 00-0654		EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	2,895.12	504.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.49*	
26 24 19 00-0655		EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	5,000.33	623.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.38*	
26 24 19 00-0656			**Fused Disconnect Combination Starter** *(26 24 19 00-0484)*		
26 24 19 00-0657			**Class I, Type A** *(26 24 19 00-0656)*		
26 24 19 00-0658		EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	852.35	233.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.35*	
26 24 19 00-0659		EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,264.45	319.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.15*	
26 24 19 00-0660		EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	1,954.42	415.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*249.26*	
26 24 19 00-0661		EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	2,682.83	582.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*350.08*	
26 24 19 00-0662		EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	4,529.54	741.53
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*445.10*	
26 24 19 00-0663			**Class I, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0664		EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	849.45	208.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.63*	
26 24 19 00-0665		EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,147.42	285.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.19*	
26 24 19 00-0666		EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,673.19	381.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.10*	
26 24 19 00-0667		EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	2,746.46	550.85
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*331.46*	
26 24 19 00-0668		EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	4,575.74	700.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*421.04*	
26 24 19 00-0669			**Class I, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0670		EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	883.61	194.42
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.69*	
26 24 19 00-0671		EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,190.70	264.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.78*	
26 24 19 00-0672		EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	1,791.86	367.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.55*	
26 24 19 00-0673		EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	2,863.95	542.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.55*	
26 24 19 00-0674		EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	4,345.99	692.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*415.43*	
26 24 19 00-0675			**Class II, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0676		EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,089.56	291.63
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.04*	
26 24 19 00-0677		EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,399.19	363.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.88*	
26 24 19 00-0678		EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	1,993.07	468.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.69*	
26 24 19 00-0679		EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,166.95	631.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	5,248.70	788.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*472.07*	
26 24 19 00-0681		**Class II, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,113.32	274.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.99*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,442.04	343.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*206.34*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,085.85	447.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*268.59*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	3,269.91	616.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*370.92*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	5,342.92	763.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*458.19*	
26 24 19 00-0687		**Space Complete With Bus And Hardware** *(26 24 19 00-0484)*		
26 24 19 00-0688		**Circuit Breaker Type** *(26 24 19 00-0687)*		
26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	270.42	84.74
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	270.42	84.74
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	400.65	123.39
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	484.57	162.02
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	798.49	246.76
26 24 19 00-0694		**Fused Disconnect Type** *(26 24 19 00-0687)*		
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	270.42	84.74
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	365.01	123.39
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	502.01	162.02
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	847.15	246.76
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,189.50	358.93
26 24 19 00-0700		**Blank Space For Future Expansion** *(26 24 19 00-0687)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	101.55	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	101.55	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	153.96	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	153.96	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	306.28	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	2,962.65	655.91
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	5,310.09	1,708.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	5,310.09	1,708.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	5,756.33	1,708.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA	Corner Section	5,756.33	1,708.14
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0484)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,256.24	239.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.93*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,397.70	266.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.64*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,361.25	357.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.63*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,396.66	471.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*282.99*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	7,452.73	589.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*353.65*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	16,959.19	589.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*353.65*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,247.56	207.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.49*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,406.81	233.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.20*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,386.25	319.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.42*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,375.23	432.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.50*	
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	7,447.49	558.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.02*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	17,056.24	558.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.02*	

26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,961.79	300.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.10*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,385.21	332.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.30*	
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,870.46	446.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*267.83*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	6,552.13	590.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*354.06*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	11,637.01	738.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*442.99*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,965.18	259.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.52*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,407.81	292.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.37*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,907.41	399.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.67*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	6,539.08	540.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.55*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	11,642.85	698.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*419.15*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,132.40	300.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.10*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,977.80	332.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.30*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	5,511.73	446.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*267.83*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,495.03	590.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*354.06*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	14,759.17	738.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*442.99*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,135.79	259.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.52*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,000.40	292.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.37*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	5,548.68	399.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*239.67*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,481.99	540.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	14,765.01	698.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*419.15*	
26 24 19 00-0749		**Motor Control Center Starters With Fusible Disconnect** *(26 24 19 00-0484)* Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750		**FVNR Starters With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,037.67	233.92
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,360.38	317.92
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,199.21	414.26
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	3,639.64	583.50
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	7,055.78	741.78
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	17,205.93	741.78
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,040.06	207.38
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,368.04	284.77
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,236.58	381.86
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	3,634.44	552.48
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	7,032.45	701.78
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	17,284.96	701.78
26 24 19 00-0763		**Two Speed 2-Winding (TS2W) With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,721.92	292.87
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,392.87	397.43
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,646.59	517.58
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	7,432.97	731.44
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	11,893.92	855.94
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,739.22	259.23
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,411.75	355.68
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,698.00	477.82
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	7,434.13	689.31
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	11,881.64	807.22
26 24 19 00-0774		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0749)*		
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,978.97	292.87
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,994.55	397.43
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,304.92	517.58
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,778.74	731.44
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	14,381.41	855.94
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,997.03	259.23
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,013.44	355.68
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,356.33	477.82
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,779.90	689.31
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	14,369.13	807.22
26 24 19 00-0785		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0484)* Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	204.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.36*	
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	248.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.36*	
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	298.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.24*	
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	384.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.24*	
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	639.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.11*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	118.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 24 19 00-0792		**Disconnect Switch For Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0793		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)* Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	873.51	180.09
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,481.32	199.41
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,817.51	268.57
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,978.33	353.94
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	5,076.52	442.43
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	5,765.58	442.43
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	11,731.85	553.97
26 24 19 00-0801		**Fusible Disconnect Switch For Motor Control Center** *(26 24 19 00-0792)* Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	725.53	175.11
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	875.45	238.66
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,186.20	305.34
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,129.50	437.44
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	3,645.73	556.34
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	7,922.35	556.34
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	9,798.58	695.43
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	14,275.39	695.43
26 24 19 00-0810		**Control Circuit Transformer** *(26 24 19 00-0484)*		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	54.17	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	54.17	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	104.34	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	104.34	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	144.95	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	49.79	14.10
26 24 19 00-0817		**Cover Mounted Control Devices** *(26 24 19 00-0484)*		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	106.10	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.58*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	121.09	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.47*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	97.08	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	282.62	84.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.08*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	297.79	32.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.37*	
26 24 19 00-0823		**Extra Interlocks** *(26 24 19 00-0484)*		
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	70.60	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	93.25	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.67*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	100.40	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	89.38	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.79*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	92.06	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.88*	
26 24 19 00-0829		**Special Cabinet Provisions** *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	678.19	
26 24 19 00-0831		**Nameplate Requirements** *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	24.08	
26 24 19 00-0833		**Auxiliary Relays** *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	151.59	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	144.34	28.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	90.28	28.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 24 19 00-0837		**Motor Control Center Accessories** *(26 24 19 00-0484)*		
26 24 19 00-0838		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0837)*		
		Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,172.84	399.72
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,338.58	415.72
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,742.52	447.69
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,910.50	479.67
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,864.82	511.65
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	9,628.57	575.60
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	12,579.48	639.56
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	7,442.56	527.63
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,087.41	575.60
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,238.14	639.56
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,816.11	703.51
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,793.05	767.47
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,192.67	831.43

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0852		**Bolt-On Lighting Panel** *(26 24 19 00-0837)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,032.83	648.56
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,235.90	1,128.88
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,315.61	1,527.31
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,139.17	701.78
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,187.87	1,104.83
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	4,506.52	1,622.78
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,237.80	752.25
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,427.31	1,207.64
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,596.15	1,622.78
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,356.12	811.32
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,427.31	1,207.64
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,700.84	1,675.12
26 24 19 00-0865		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0837)* Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	20.59	
26 24 19 00-0867	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	209.01	
26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	40.24	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	92.65	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	108.56	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	164.71	
26 24 19 00-0872		**Blank Unit Door (BUD)** *(26 24 19 00-0837)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	55.74	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	66.88	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	100.32	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	133.77	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	200.65	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	234.09	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	267.53	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0001		**Plug-In Bus Duct** *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	284.54	37.39
		For Up To 25, Add	*71.14*	
		For >25 To 50, Add	*42.68*	
		For >50 To 100, Add	*21.34*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	400.26	37.39
		For Up To 25, Add	*100.07*	
		For >25 To 50, Add	*60.04*	
		For >50 To 100, Add	*30.02*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	506.06	49.85
		For Up To 25, Add	*126.52*	
		For >25 To 50, Add	*75.91*	
		For >50 To 100, Add	*37.95*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	695.33	49.85
		For Up To 25, Add	*173.83*	
		For >25 To 50, Add	*104.30*	
		For >50 To 100, Add	*52.15*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	733.75	62.31
		For Up To 25, Add	*183.44*	
		For >25 To 50, Add	*110.06*	
		For >50 To 100, Add	*55.03*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,018.05	62.31
		For Up To 25, Add	*254.51*	
		For >25 To 50, Add	*152.71*	
		For >50 To 100, Add	*76.35*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,189.35	65.43
		For Up To 25, Add	*297.34*	
		For >25 To 50, Add	*178.40*	
		For >50 To 100, Add	*89.20*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,444.94	67.29
		For Up To 25, Add	*361.24*	
		For >25 To 50, Add	*216.74*	
		For >50 To 100, Add	*108.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,780.17	71.03
		For Up To 25, Add	*445.04*	
		For >25 To 50, Add	*267.03*	
		For >50 To 100, Add	*133.51*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,055.71	82.88
		For Up To 25, Add	*513.93*	
		For >25 To 50, Add	*308.36*	
		For >50 To 100, Add	*154.18*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,377.56	90.35
		For Up To 25, Add	*594.39*	
		For >25 To 50, Add	*356.63*	
		For >50 To 100, Add	*178.32*	
26 25 13 00-0014		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	459.28	37.39
		For Up To 25, Add	*114.82*	
		For >25 To 50, Add	*68.89*	
		For >50 To 100, Add	*34.45*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	660.42	37.39
		For Up To 25, Add	*165.11*	
		For >25 To 50, Add	*99.06*	
		For >50 To 100, Add	*49.53*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	746.72	49.85
		For Up To 25, Add	*186.68*	
		For >25 To 50, Add	*112.01*	
		For >50 To 100, Add	*56.00*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	947.54	49.85
		For Up To 25, Add	*236.89*	
		For >25 To 50, Add	*142.13*	
		For >50 To 100, Add	*71.07*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,154.38	62.31
		For Up To 25, Add	*288.60*	
		For >25 To 50, Add	*173.16*	
		For >50 To 100, Add	*86.58*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,492.48	62.31
		For Up To 25, Add	*373.12*	
		For >25 To 50, Add	*223.87*	
		For >50 To 100, Add	*111.94*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,927.25	64.56
		For Up To 25, Add	*481.81*	
		For >25 To 50, Add	*289.09*	
		For >50 To 100, Add	*144.54*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,318.46	67.29
		For Up To 25, Add	*579.62*	
		For >25 To 50, Add	*347.77*	
		For >50 To 100, Add	*173.88*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,872.17	70.41
		For Up To 25, Add	*718.04*	
		For >25 To 50, Add	*430.83*	
		For >50 To 100, Add	*215.41*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,315.74	82.88
		For Up To 25, Add	*828.94*	
		For >25 To 50, Add	*497.36*	
		For >50 To 100, Add	*248.68*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,842.12	90.35
		For Up To 25, Add	*960.53*	
		For >25 To 50, Add	*576.32*	
		For >50 To 100, Add	*288.16*	
26 25 13 00-0026		Cable Tap Boxes *(26 25 13 00-0001)*		
26 25 13 00-0027		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,305.97	174.48
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,387.58	174.48
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,583.85	236.79
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,752.68	236.79
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,954.30	311.57
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,237.56	311.57
26 25 13 00-0034		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,387.58	342.73
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,598.15	342.73
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,780.02	467.35
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,124.45	467.35
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,290.18	623.14
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,741.56	623.14
26 25 13 00-0041		Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*		
26 25 13 00-0042		240 Volt, 3-Phase *(26 25 13 00-0041)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,046.17	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.18*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,066.99	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.52*	
26 25 13 00-0045		**600 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,002.52	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.18*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,593.50	124.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.52*	
26 25 13 00-0048		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,204.54	149.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.89*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,440.27	149.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.37*	
26 25 13 00-0051		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,375.37	149.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.89*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,109.21	149.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.37*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,105.64	517.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.15*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,397.97	517.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*486.83*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,305.09	1,495.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*677.32*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,495.37	1,495.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,198.34*	
26 25 13 00-0058		**Bus Duct Plug-In Fusible Switch** *(26 25 13 00-0001)*		
26 25 13 00-0059		**240 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,043.82	124.63
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,148.08	124.63
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,584.18	149.55
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,675.42	299.10
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,744.38	672.99
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,110.70	1,171.50
26 25 13 00-0066		**600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,083.21	137.09
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,184.91	137.09
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,595.70	137.09
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,738.52	286.65
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,711.09	648.06
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,346.74	1,246.28
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,916.94	1,620.15
26 25 13 00-0074		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,207.36	162.02
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,298.81	162.02
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,755.79	162.02
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,975.82	336.49
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,405.99	747.77
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,785.02	1,146.57
26 25 13 00-0081		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,246.65	162.02
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,338.09	137.47
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,871.77	186.94
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,099.98	336.49
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,405.99	747.77
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,785.02	1,146.57
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,034.40	1,520.46
26 25 13 00-0089		**Non-Segregated Bus Duct** *(26 25 13)*		

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 25 13 00-0090 600 Volt, 3 Phase, 3 Wire, Totally Enclosed Non-Ventilated, Copper Conductors *(26 25 13 00-0089)*
Note: Hazardous or seismic locations.

26 25 13 00-0091	LF	1,200 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	1,523.49	52.34
		For Up To 25, Add	*380.87*	
		For >25 To 50, Add	*228.52*	
		For >50 To 100, Add	*114.26*	
26 25 13 00-0092	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	1,690.99	56.08
		For Up To 25, Add	*422.75*	
		For >25 To 50, Add	*253.65*	
		For >50 To 100, Add	*126.82*	
26 25 13 00-0093	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	2,248.55	64.81
		For Up To 25, Add	*562.14*	
		For >25 To 50, Add	*337.28*	
		For >50 To 100, Add	*168.64*	
26 25 13 00-0094	LF	2,500 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	2,501.00	77.27
		For Up To 25, Add	*625.25*	
		For >25 To 50, Add	*375.15*	
		For >50 To 100, Add	*187.58*	
26 25 13 00-0095	LF	3,200 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	3,461.31	89.73
		For Up To 25, Add	*865.33*	
		For >25 To 50, Add	*519.20*	
		For >50 To 100, Add	*259.60*	
26 25 13 00-0096	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	4,972.36	112.16
		For Up To 25, Add	*1,243.09*	
		For >25 To 50, Add	*745.85*	
		For >50 To 100, Add	*372.93*	
26 25 13 00-0097	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	5,412.01	133.35
		For Up To 25, Add	*1,353.00*	
		For >25 To 50, Add	*811.80*	
		For >50 To 100, Add	*405.90*	
26 25 13 00-0098	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Non-Segregated Bus Duct	6,142.75	154.54
		For Up To 25, Add	*1,535.69*	
		For >25 To 50, Add	*921.41*	
		For >50 To 100, Add	*460.71*	

26 25 13 00-0099 600 Volt, 3 Phase, 4 Wire, Totally Enclosed Non-Ventilated, Copper Conductors *(26 25 13 00-0089)*
Note: Hazardous or seismic locations.

26 25 13 00-0100	LF	1,200 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	1,948.99	52.34
		For Up To 25, Add	*487.25*	
		For >25 To 50, Add	*292.35*	
		For >50 To 100, Add	*146.17*	
26 25 13 00-0101	LF	1,600 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	2,164.20	56.08
		For Up To 25, Add	*541.05*	
		For >25 To 50, Add	*324.63*	
		For >50 To 100, Add	*162.32*	
26 25 13 00-0102	LF	2,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	2,884.00	64.81
		For Up To 25, Add	*721.00*	
		For >25 To 50, Add	*432.60*	
		For >50 To 100, Add	*216.30*	
26 25 13 00-0103	LF	2,500 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	3,204.86	77.27
		For Up To 25, Add	*801.22*	
		For >25 To 50, Add	*480.73*	
		For >50 To 100, Add	*240.36*	
26 25 13 00-0104	LF	3,200 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	4,445.12	89.73
		For Up To 25, Add	*1,111.28*	
		For >25 To 50, Add	*666.77*	
		For >50 To 100, Add	*333.38*	
26 25 13 00-0105	LF	4,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	6,395.98	112.16
		For Up To 25, Add	*1,599.00*	
		For >25 To 50, Add	*959.40*	
		For >50 To 100, Add	*479.70*	
26 25 13 00-0106	LF	5,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	6,955.73	133.35
		For Up To 25, Add	*1,738.93*	
		For >25 To 50, Add	*1,043.36*	
		For >50 To 100, Add	*521.68*	
26 25 13 00-0107	LF	6,000 Amperes, 600 Volt, 3 Phase, 4 Wire Copper Conductors, Non-Segregated Bus Duct	7,892.46	154.54
		For Up To 25, Add	*1,973.12*	
		For >25 To 50, Add	*1,183.87*	
		For >50 To 100, Add	*591.93*	

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*
Note: Copper conductors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	830.66	52.34
		For Up To 25, Add	*207.67*	
		For >25 To 50, Add	*124.60*	
		For >50 To 100, Add	*62.30*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	842.43	52.34
		For Up To 25, Add	*210.61*	
		For >25 To 50, Add	*126.36*	
		For >50 To 100, Add	*63.18*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,100.98	52.34
		For Up To 25, Add	*275.25*	
		For >25 To 50, Add	*165.15*	
		For >50 To 100, Add	*82.57*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,321.29	52.34
		For Up To 25, Add	*330.32*	
		For >25 To 50, Add	*198.19*	
		For >50 To 100, Add	*99.10*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,614.34	52.34
		For Up To 25, Add	*403.59*	
		For >25 To 50, Add	*242.15*	
		For >50 To 100, Add	*121.08*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,203.28	124.63
		For Up To 25, Add	*550.82*	
		For >25 To 50, Add	*330.49*	
		For >50 To 100, Add	*165.25*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,043.49	124.63
		For Up To 25, Add	*760.87*	
		For >25 To 50, Add	*456.52*	
		For >50 To 100, Add	*228.26*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,600.87	124.63
		For Up To 25, Add	*900.22*	
		For >25 To 50, Add	*540.13*	
		For >50 To 100, Add	*270.07*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,433.94	124.63
		For Up To 25, Add	*1,108.49*	
		For >25 To 50, Add	*665.09*	
		For >50 To 100, Add	*332.55*	

26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*
Note: Low impedance, copper conductors.

26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	951.42	56.08
		For Up To 25, Add	*237.86*	
		For >25 To 50, Add	*142.71*	
		For >50 To 100, Add	*71.36*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	967.01	56.08
		For Up To 25, Add	*241.75*	
		For >25 To 50, Add	*145.05*	
		For >50 To 100, Add	*72.53*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,243.03	56.08
		For Up To 25, Add	*310.76*	
		For >25 To 50, Add	*186.45*	
		For >50 To 100, Add	*93.23*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,473.47	56.08
		For Up To 25, Add	*368.37*	
		For >25 To 50, Add	*221.02*	
		For >50 To 100, Add	*110.51*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,779.47	56.08
		For Up To 25, Add	*444.87*	
		For >25 To 50, Add	*266.92*	
		For >50 To 100, Add	*133.46*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,732.77	95.97
		For Up To 25, Add	*683.19*	
		For >25 To 50, Add	*409.92*	
		For >50 To 100, Add	*204.96*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,427.23	95.97
		For Up To 25, Add	*856.81*	
		For >25 To 50, Add	*514.08*	
		For >50 To 100, Add	*257.04*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,055.47	178.21
		For Up To 25, Add	*1,013.87*	
		For >25 To 50, Add	*608.32*	
		For >50 To 100, Add	*304.16*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,999.69	178.21
		For Up To 25, Add	*1,249.92*	
		For >25 To 50, Add	*749.95*	
		For >50 To 100, Add	*374.98*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*
Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	279.03	81.00
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	295.56	81.00
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	330.10	90.35
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	340.71	90.35
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	381.16	99.70
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	385.86	99.70
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	990.84	158.28
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,263.23	176.97
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,728.86	195.66
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,807.27	623.14
26 27 13 00-0013		**Meter Device** *(26 27 13 00-0001)*		
		Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.		
26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	273.52	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.33*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	323.07	25.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.52*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	394.86	26.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.70*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	768.29	26.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.92*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,075.39	28.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.85*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,743.23	31.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.72*	
26 27 13 00-0020		**Current Transformer Enclosure** *(26 27 13 00-0001)*		
26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	578.52	162.02
26 27 13 00-0022		**120/240 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0023		**800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,064.69	77.89
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,400.60	93.47
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,734.72	109.04
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,010.05	124.63
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,615.06	140.20
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,824.44	155.78
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,296.66	186.94
26 27 13 00-0031		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,955.79	77.89
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,575.07	93.47
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,546.31	124.63
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,933.88	140.20
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,945.23	155.78
26 27 13 00-0037		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,629.58	109.04
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,138.37	124.63
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,615.06	140.20
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,073.95	155.78
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,871.44	171.36
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,063.00	186.94
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,034.21	218.10
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,517.10	109.04
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,296.79	124.63
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,642.26	155.78
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,976.39	171.36
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,361.97	186.94
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,160.01	93.47
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,515.52	109.04
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,869.26	124.63
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,169.52	140.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,664.05	155.78
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,873.42	171.36
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,541.68	202.52
26 27 13 00-0060		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,058.24	93.47
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,713.16	109.04
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,916.05	140.20
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,303.65	155.78
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,208.11	171.36
26 27 13 00-0066		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,724.92	124.63
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,240.84	140.20
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,771.01	155.78
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,229.89	171.36
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,063.05	186.94
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,254.56	202.52
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,297.09	233.67
26 27 13 00-0074		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,637.40	124.63
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,470.54	140.20
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,976.42	171.36
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,203.59	186.94
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,607.03	202.52
26 27 13 00-0080		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0081		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,064.69	77.89
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,400.60	93.47
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,010.05	124.63
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,615.06	140.20
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,234.34	155.78
26 27 13 00-0087		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,955.78	77.89
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,575.06	93.47
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,724.51	124.63
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,112.09	140.20
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,945.23	155.78
26 27 13 00-0093		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,629.58	109.04
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,138.37	124.63
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,073.95	155.78
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,871.44	171.36
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,063.00	186.94
26 27 13 00-0099		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,517.12	109.04
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,296.79	124.63
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,642.26	155.78
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,976.39	171.36
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,362.01	186.94
26 27 13 00-0105		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0106		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,160.01	93.47
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,515.52	109.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,169.52	140.20
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,842.26	155.78
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,229.86	171.36
26 27 13 00-0112		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,058.23	93.47
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,713.14	109.04
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,737.84	140.20
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,125.43	155.78
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,208.08	171.36
26 27 13 00-0118		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,724.90	124.63
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,240.81	140.20
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,229.86	171.36
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,063.00	186.94
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,254.56	202.52
26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,637.38	124.63
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,470.51	140.20
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,976.39	171.36
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,203.59	186.94
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,607.03	202.52
26 27 13 00-0130		Watt/Hour Meters *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,225.13	74.78
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,448.11	149.55
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,833.74	112.16
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,240.76	112.16
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,893.53	112.16
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,281.03	103.44
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,190.54	186.94
26 27 13 00-0138		Watt/Hour Meter Systems *(26 27 13)*		
		Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,627.42	747.89
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,587.98	747.89
26 27 13 00-0142		Watt/Hour Meter System With Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	9,844.75	747.89
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	11,939.30	747.89
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,827.58	747.89
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)*		
		Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable *(26 27 16)*		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.75	24.92
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	89.51	27.42
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	99.37	29.91
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	116.01	34.90
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	126.44	37.39
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	137.65	39.89
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	137.25	39.89
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	148.75	42.37
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	160.83	44.87
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	208.37	59.82
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	252.80	72.29
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	240.01	69.79
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.15	29.91
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	121.77	34.90
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	145.28	42.37
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.06	44.87
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	169.10	47.36
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	181.71	49.85
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	230.55	64.81
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	279.37	79.76
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	269.36	77.27
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	350.91	99.70
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	452.12	114.66
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	517.46	124.63
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	576.92	132.10
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	630.16	137.09
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	423.98	99.70
26 27 16 00-0032		Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0033		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	54.63	17.45
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	78.07	24.92
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	87.10	27.42
26 27 16 00-0037		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	61.05	19.94
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	75.68	24.92
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	84.56	27.42
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	93.59	29.91
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	109.20	34.90
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	118.65	37.39
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.60	39.89
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.22	39.89
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	138.61	42.37
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	149.29	44.87
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	195.24	59.82
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	241.91	74.78
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	224.45	69.79
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	290.76	89.73
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	420.47	112.16
26 27 16 00-0053		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.12	29.91
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	103.84	32.40
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	119.69	37.39
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	135.89	42.37
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	146.41	44.87
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	157.06	47.36
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	168.15	49.85
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	215.26	64.81
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	264.48	79.76
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	251.31	77.27
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	326.78	99.70
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	408.51	114.66
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	468.45	124.63
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	505.87	132.10
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	553.63	137.09
26 27 16 00-0069		8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	135.89	42.37
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	185.50	54.84
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	235.81	69.79
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	292.66	87.24
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	279.65	84.74
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	346.45	104.69
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	386.24	119.65
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	448.46	127.12
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	516.58	137.09
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	549.70	144.57
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	577.60	149.55
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	593.05	149.55
26 27 16 00-0082		10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	317.44	94.71
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	417.88	122.13
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	422.74	129.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	549.55	139.58
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	632.68	154.54
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	702.61	159.52
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	749.63	167.00
26 27 16 00-0090		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	461.34	134.60
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	459.17	142.08
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	604.18	154.54
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	690.58	169.49
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	775.44	176.97
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	817.96	184.45
26 27 16 00-0097		NEMA 1 Enclosures For Up To 6 Boards, Lockable *(26 27 16)*		
26 27 16 00-0098		4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,226.11	109.68
26 27 16 00-0100		NEMA 12 Enclosures, Lockable *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	115.79	19.94
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	150.57	27.42
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	186.12	34.90
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	201.56	37.39
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	226.59	39.89
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	244.18	42.37
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	167.24	29.91
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	184.34	32.40
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	231.40	19.94
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	277.18	27.42
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	313.57	29.91
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	358.67	34.90
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	368.73	37.39
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	435.97	39.89
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	468.18	42.37
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	533.12	44.87
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	337.86	29.91
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	382.10	32.40
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	416.27	37.39
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	492.26	44.87
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	534.46	49.85
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	742.71	64.81
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,151.02	99.70
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,509.54	114.66
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,702.47	124.63
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,573.14	127.12
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,814.05	137.09
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,994.76	144.57
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,200.45	149.55
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,169.91	149.55
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,971.77	202.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,037.45	224.33
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,074.28	239.91
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,286.63	299.10
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,367.89	352.70
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,495.96	352.70
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,358.00	373.88
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,495.47	398.81
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,482.17	398.81
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	322.36	87.24
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	345.76	87.24
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	440.58	90.35
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	456.50	90.35
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	572.34	93.47
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	436.27	90.35
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	477.91	90.35
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	498.13	93.47
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	626.03	93.47
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	688.01	99.70
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	740.50	105.94
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	770.92	105.94
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	915.81	109.04
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	993.19	112.16
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,358.19	124.63
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	661.07	96.59
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	832.40	109.04
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	974.48	112.16
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,122.32	115.28
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,194.07	115.28
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,357.80	124.63
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,570.39	140.20
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,479.86	133.98
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,876.62	249.26
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,977.90	311.57
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,205.42	118.39
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,811.65	155.78
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,840.95	155.78
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,495.15	233.67
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,283.63	249.26
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,323.36	436.20
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,377.37	311.57
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,727.47	373.88
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,534.26	342.73
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)* Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	106.59	24.92
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	117.70	27.42
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	175.90	29.91
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	221.46	37.39
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	247.38	42.37
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	290.63	47.36
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	314.41	49.85
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	409.36	64.81
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	489.17	79.76
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	557.38	99.70
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	850.38	127.12
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	943.74	137.09
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,063.92	144.57
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,119.41	149.55
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,054.93	154.54
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,191.71	174.48
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,319.29	193.18
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,453.57	213.11
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,582.41	231.81
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	683.36	122.13
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,054.93	154.54
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,252.83	159.52
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,590.32	174.48
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,027.52	123.39
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,152.08	138.34
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,275.42	153.29
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,410.72	169.49
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.29	184.45
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	767.65	92.23
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,027.52	123.39
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,152.08	138.34
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,356.49	162.02
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.29	184.45
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,458.14	181.95
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.29	184.45
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,618.02	189.44
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,804.18	199.41
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,957.89	209.37
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	76.53	19.94
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	92.34	24.92
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	101.99	27.42
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	113.19	29.91
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	131.40	34.90
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	143.35	37.39
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	156.39	39.89
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	155.66	39.89
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	170.40	42.37
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	183.43	44.87
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	276.71	69.79
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	369.81	89.73
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	105.90	29.91
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	145.32	37.39
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	164.62	42.37
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	178.66	44.87
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.58	44.87
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	192.51	47.36
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	207.57	49.85
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	270.96	64.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	311.33	77.27
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	416.20	99.70
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	433.76	107.18
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	497.62	114.66
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	561.58	124.63
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	232.57	54.84
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	335.56	84.74
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	460.64	109.68
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	550.56	127.12
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	624.52	137.09
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	695.63	144.57
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	507.92	122.13
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	685.83	154.54
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	754.81	159.52
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	757.94	169.49
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,067.92	184.45
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,103.99	189.44
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,296.41	199.41
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	112.53	17.45
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	131.52	21.19
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	164.56	27.42
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	156.73	27.42
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	209.55	37.39
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	260.86	44.87
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	241.10	42.37
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	281.12	49.85
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	330.63	57.33
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	401.11	72.29
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	103.44	17.45
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	147.65	27.42
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	130.11	23.93
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	138.29	25.93
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	169.98	33.90
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	198.55	37.39
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	256.58	47.36
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	299.99	56.08
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	423.69	89.73
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	222.40	19.94
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	262.62	27.42
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	333.15	37.39
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	404.39	44.87
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	498.78	57.33
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	589.50	72.29
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	331.33	17.45
		For 316 Stainless Steel, Add	*46.03*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	430.46	24.92
		For 316 Stainless Steel, Add	*58.90*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	487.96	27.42
		For 316 Stainless Steel, Add	*67.11*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	558.79	29.91
		For 316 Stainless Steel, Add	*77.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	686.14	37.39
		For 316 Stainless Steel, Add	*94.83*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	966.20	47.36
		For 316 Stainless Steel, Add	*135.65*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,204.90	57.33
		For 316 Stainless Steel, Add	*169.85*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,451.88	72.29
		For 316 Stainless Steel, Add	*203.39*	
26 27 16 00-0322		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	151.21	27.42
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	170.50	29.91
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	194.93	34.90
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	212.04	37.39
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	245.16	42.37
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	229.94	42.37
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	268.43	47.36
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	336.93	57.33
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	429.06	78.52
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	549.41	113.03
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	163.19	27.42
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	184.65	29.91
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	210.16	34.90
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	230.52	37.39
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	264.74	42.37
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	248.44	42.37
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	293.52	47.36
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	349.98	57.33
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	456.26	78.52
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	578.76	113.03
26 27 16 00-0343		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	184.94	27.42
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	197.70	29.91
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	224.29	34.90
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	242.49	37.39
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	287.60	42.37
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	263.67	42.37
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	325.05	47.36
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	385.89	57.33
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	471.49	78.52
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	604.87	113.03
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	193.65	27.42
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	214.00	29.91
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	239.52	34.90
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	258.80	37.39
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	309.35	42.37
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	282.15	42.37
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	347.90	47.36
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	396.76	57.33
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	507.37	78.52
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	642.95	113.03
26 27 16 00-0364		**NEMA 7/9 Enclosures, Lockable** *(26 27 16)*		
		Note: Nominal inside dimensions.		
26 27 16 00-0365		**4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0364)*		
26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,421.19	140.20
		For Mounting Pan, Add	*60.39*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,133.70	149.55
		For Mounting Pan, Add	*112.52*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,214.52	168.25
		For Mounting Pan, Add	*155.16*	
26 27 16 00-0369		**6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0364)*		
26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,969.46	168.25
		For Mounting Pan, Add	*78.90*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,565.57	172.92
		For Mounting Pan, Add	*155.16*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,625.35	186.94
		For Mounting Pan, Add	*118.69*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,694.24	186.94
		For Mounting Pan, Add	*138.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,808.89	233.67
		For Mounting Pan, Add	*182.18*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,590.49	210.31
		For Mounting Pan, Add	*113.75*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,714.59	233.67
		For Mounting Pan, Add	*170.21*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,738.74	420.61
		For Mounting Pan, Add	*228.99*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,555.85	280.41
		For Mounting Pan, Add	*222.96*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,980.25	467.35
		For Mounting Pan, Add	*204.69*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,166.26	467.35
		For Mounting Pan, Add	*332.76*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,064.01	210.31
		For Mounting Pan, Add	*118.69*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,085.42	210.31
		For Mounting Pan, Add	*138.87*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,493.12	210.31
		For Mounting Pan, Add	*182.18*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,870.81	233.67
		For Mounting Pan, Add	*113.75*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,628.31	420.61
		For Mounting Pan, Add	*170.21*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,848.95	514.09
		For Mounting Pan, Add	*228.99*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,753.27	607.56
		For Mounting Pan, Add	*344.38*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,168.04	514.09
		For Mounting Pan, Add	*222.96*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,335.82	514.09
		For Mounting Pan, Add	*204.69*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,436.34	560.83
		For Mounting Pan, Add	*306.82*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,794.80	514.09
		For Mounting Pan, Add	*332.76*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,410.11	560.83
		For Mounting Pan, Add	*486.60*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,338.88	560.83
		For Mounting Pan, Add	*648.70*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	16,049.58	747.77
		For Mounting Pan, Add	*810.75*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,215.72	607.56
		For Mounting Pan, Add	*753.86*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	22,129.41	934.71
		For Mounting Pan, Add	*1,032.02*	

26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,184.87	607.56
		For Mounting Pan, Add	*344.38*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,295.99	560.83
		For Mounting Pan, Add	*306.82*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,216.98	607.56
		For Mounting Pan, Add	*486.60*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,167.63	654.30
		For Mounting Pan, Add	*810.75*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,537.49	654.30
		For Mounting Pan, Add	*753.86*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	24,106.62	934.71
		For Mounting Pan, Add	*1,032.02*	

26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,002.88	514.09
		For Mounting Pan, Add	*228.99*	

26 27 16 00-0407 Breaker Enclosures *(26 27 16)*

See CSI section 26 24 16 00-0001 for lighting and power panel boards.

26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	402.44	99.70
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	736.53	99.70
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,811.42	137.09
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,454.04	149.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,791.22	149.55
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	634.07	137.09
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	641.56	137.09
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,176.57	137.09
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,006.76	174.48
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	974.15	174.48
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,007.04	274.18
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,326.32	274.18
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	6,792.18	348.96
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,667.85	348.96
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	1,971.87	523.44
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,366.25	523.44
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	12,222.65	672.99
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,629.03	672.99
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,400.50	523.44
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,044.10	523.44
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,326.35	672.99
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	22.93	6.23
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	29.89	6.23
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	28.84	9.10
		For Concrete Or Masonry Surface, Add	*0.91*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	22.25	6.48
		For Concrete Or Masonry Surface, Add	*0.65*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	21.09	6.85
		For Concrete Or Masonry Surface, Add	*0.68*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	23.04	6.48
		For Concrete Or Masonry Surface, Add	*0.65*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	18.97	6.60
		For Concrete Or Masonry Surface, Add	*0.66*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	25.64	6.48
		For Concrete Or Masonry Surface, Add	*0.65*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	22.80	6.48
		For Concrete Or Masonry Surface, Add	*0.65*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	24.51	6.48
		For Concrete Or Masonry Surface, Add	*0.65*	
26 27 23		**Indoor Service Poles** *(26 27)*		
26 27 23 00-0001		Communication And Power Poles *(26 27 23)* Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	321.75	55.23
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	349.20	55.23
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	380.94	55.23
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)* Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	65.88	11.39
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	57.22	11.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	64.68	11.39
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	48.13	11.39
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	39.78	11.39
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	415.88	55.23
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	474.87	55.23
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	506.71	55.23
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	44.44	11.39
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	40.04	11.39
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	43.19	11.39
26 27 23 00-0023		3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	540.89	55.23
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	611.91	55.23
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	658.72	55.23
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	44.44	11.39
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	40.04	11.39
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	43.19	11.39
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	434.35	55.23
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	484.00	55.23
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	539.66	55.23
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	67.58	11.39
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	68.98	11.39
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	73.64	11.39
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	50.75	11.39
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	39.78	11.39
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	418.85	55.23
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	469.77	55.23
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	529.76	55.23
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	872.41	55.23
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	997.30	55.23
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,137.17	55.23
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	475.76	55.23
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	450.59	55.23
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	576.20	55.23

26 27 26 Wiring Devices *(26 27)*

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001 Receptacles *(26 27 26)*

26 27 26 00-0002 General Use Receptacles *(26 27 26 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0003		**Receptacle Assemblies** *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	100.60	44.25
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	107.87	47.36
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	129.77	56.70
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	144.32	62.94
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	114.74	44.25
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	122.75	47.36
26 27 26 00-0010		**Receptacle Components** *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	28.78	12.47
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	27.95	12.47
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	32.81	12.47
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	35.63	12.47
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	45.45	15.57
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	54.68	15.57
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	29.86	12.47
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	29.00	12.47
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	41.67	12.47
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	34.74	12.47
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	45.45	15.57
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	54.68	15.57
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	84.31	15.57
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	84.31	15.57
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	71.53	18.69
26 27 26 00-0026		**Specialty Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0027		**Specialty Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	64.58	21.81
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	64.58	21.81
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	85.45	21.81
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	96.77	21.81
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	103.00	24.92
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	95.32	24.92
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	93.16	24.92
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	82.00	24.92
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	103.42	24.92
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	114.81	24.92
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	121.04	28.04
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	133.18	31.16
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	145.65	37.39
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,374.43	292.87
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,329.12	358.30
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	76.96	24.92
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	112.75	37.39
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	71.52	15.57
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,449.27	379.51
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	94.89	12.47
		Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	61.00	15.57
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	60.79	15.57
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	84.81	24.92
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	68.11	15.57
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	62.58	15.57
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	86.11	18.69
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	68.89	18.69
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	88.16	18.69
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	106.94	18.69
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	106.15	24.92
26 27 26 00-0059		**Explosion Proof Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	958.45	31.16
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	882.71	34.27
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,467.20	62.31
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,849.31	62.31
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,339.04	93.47
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,228.42	93.47
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	38.98	15.57
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	56.35	18.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0069		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0070	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	69.82	15.57
26 27 26 00-0071	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	76.67	15.57
26 27 26 00-0072		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0073	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	57.43	15.57
26 27 26 00-0074	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	71.07	15.57
26 27 26 00-0075	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	63.51	18.69
26 27 26 00-0076	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	62.90	18.69
26 27 26 00-0077	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	74.90	18.69
26 27 26 00-0078	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	90.40	18.69
26 27 26 00-0079	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	88.69	18.69
26 27 26 00-0080	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	77.35	18.69
26 27 26 00-0081	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	87.77	24.92
26 27 26 00-0082	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	89.21	24.92
26 27 26 00-0083	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	113.76	24.92
26 27 26 00-0084		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0085	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	278.45	62.31
26 27 26 00-0086	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	277.82	62.31
26 27 26 00-0087	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	289.81	62.31
26 27 26 00-0088	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	353.15	68.55
26 27 26 00-0089	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	354.15	68.55
26 27 26 00-0090	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	351.84	68.55
26 27 26 00-0091	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	421.40	76.64
26 27 26 00-0092	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	401.88	76.64
26 27 26 00-0093	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	432.43	76.64
26 27 26 00-0094	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	437.18	84.12
26 27 26 00-0095	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	436.80	84.12
26 27 26 00-0096	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	439.56	84.12
26 27 26 00-0097	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	613.97	99.70
26 27 26 00-0098	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	590.34	99.70
26 27 26 00-0099	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	605.72	99.70
26 27 26 00-0100	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	674.54	110.92
26 27 26 00-0101	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	674.99	110.92
26 27 26 00-0102	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	675.45	110.92
26 27 26 00-0103	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	750.85	124.63
26 27 26 00-0104	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	781.14	124.63
26 27 26 00-0105	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	840.56	137.09
26 27 26 00-0106	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	838.29	137.09
26 27 26 00-0107	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	842.56	137.09
26 27 26 00-0108		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0109	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	74.21	12.47
26 27 26 00-0110	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	147.64	15.57
26 27 26 00-0111		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0112	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	30.77	12.47
26 27 26 00-0113	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	33.79	12.47
26 27 26 00-0114	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	42.43	12.47
26 27 26 00-0115	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	46.49	12.47
26 27 26 00-0116	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	70.85	12.47
26 27 26 00-0117	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	76.65	12.47
26 27 26 00-0118	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	82.19	12.47
26 27 26 00-0119		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0120	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	72.97	12.47
26 27 26 00-0121	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	78.97	12.47
26 27 26 00-0122		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0123	EA	TV Receptacle With Cover (Type F), Complete	78.55	28.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0124		Switches *(26 27 26)*		
26 27 26 00-0125		Switches *(26 27 26 00-0124)*		
26 27 26 00-0126		Switch Assemblies *(26 27 26 00-0125)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	103.90	43.62
26 27 26 00-0128	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	111.88	47.36
26 27 26 00-0129	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	139.49	57.01
26 27 26 00-0130	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	152.96	63.25
26 27 26 00-0131	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	238.50	97.83
26 27 26 00-0132	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	258.73	107.18
26 27 26 00-0133	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	274.23	110.61
26 27 26 00-0134	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	301.19	123.06
26 27 26 00-0135		Switch Components *(26 27 26 00-0125)*		
26 27 26 00-0136	EA	15 Amperes, 120/277 Volt, SPST Switch	32.50	12.47
26 27 26 00-0137	EA	15 Amperes, 120/277 Volt, 3-Way Switch	41.12	15.57
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, 4-Way Switch	78.75	24.92
26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, DPST Switch	36.91	12.47
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, Thermal Switch	68.84	15.57
26 27 26 00-0141	EA	20 Amperes, 120/277 Volt, SPST Switch	39.25	15.57
26 27 26 00-0142	EA	20 Amperes, 120/277 Volt, 3-Way Switch	48.45	18.69
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, 4-Way Switch	104.97	24.92
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, DPST Switch	46.32	15.57
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, DPDT Switch	49.45	15.57
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	87.46	15.60
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	110.40	15.60
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	84.02	18.72
26 27 26 00-0149	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	59.32	21.81
26 27 26 00-0150	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	72.72	24.92
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	105.04	24.92
26 27 26 00-0152	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	87.56	24.96
26 27 26 00-0153	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	108.17	24.96
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	112.92	31.21
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	158.02	34.33
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	74.71	20.41
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	106.12	20.41
26 27 26 00-0158	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	92.58	20.41
26 27 26 00-0159	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	87.92	20.41
26 27 26 00-0160	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	98.29	10.11
26 27 26 00-0161	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	104.61	10.11
26 27 26 00-0162	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	110.81	38.95
26 27 26 00-0163	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	133.75	38.95
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	160.24	12.49
26 27 26 00-0165	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	76.22	12.49
26 27 26 00-0166	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	271.50	12.47
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	49.12	12.47
26 27 26 00-0168	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	80.97	12.49
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	92.31	12.49
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	117.06	12.49
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	165.03	12.49
26 27 26 00-0172		Specialty Switches *(26 27 26 00-0124)*		
26 27 26 00-0173		Dimmers With SPST Switch *(26 27 26 00-0172)*		
26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch	72.46	28.04
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch	123.59	28.04
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch	222.30	45.12
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch	287.54	45.12
26 27 26 00-0178	EA	600 Watt Fluorescent Dimmer Switch	160.53	33.27
26 27 26 00-0179	EA	1,000 Watt Fluorescent Dimmer Switch	216.66	33.27
26 27 26 00-0180	EA	1,500 Watt Fluorescent Dimmer Switch	391.64	50.23
26 27 26 00-0181	EA	Remote Speed Switch For Paddle Fan	119.13	41.50
26 27 26 00-0182	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	196.13	61.94
26 27 26 00-0183		Time Switches *(26 27 26 00-0172)*		
26 27 26 00-0184	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	133.84	37.39
26 27 26 00-0185	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	136.79	37.39
26 27 26 00-0186	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	133.84	37.39
26 27 26 00-0187	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	136.79	37.39
26 27 26 00-0188	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	153.52	37.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0189	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	153.52	37.39
26 27 26 00-0190	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	269.67	37.39
26 27 26 00-0191	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	269.67	37.39
26 27 26 00-0192	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	232.40	37.39
26 27 26 00-0193	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	255.16	37.39
26 27 26 00-0194	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	255.16	37.39
26 27 26 00-0195	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	308.94	37.39
26 27 26 00-0196	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	317.99	37.39
26 27 26 00-0197	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	133.84	37.39
26 27 26 00-0198	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	136.79	37.39
26 27 26 00-0199	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	133.84	37.39
26 27 26 00-0200	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	136.79	37.39
26 27 26 00-0201	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	153.52	37.39
26 27 26 00-0202	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	153.52	37.39
26 27 26 00-0203	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	269.67	37.39
26 27 26 00-0204	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	269.67	37.39
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	308.94	37.39
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	317.99	37.39
26 27 26 00-0207		**Low Voltage Switching** *(26 27 26 00-0172)*		
26 27 26 00-0208	EA	36 Pin Male Or Female Connector	215.85	12.47
26 27 26 00-0209		**Other Switches** *(26 27 26 00-0172)*		
26 27 26 00-0210	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	41.04	18.69
26 27 26 00-0211	EA	SPST Locking Switch For Concealed Devices	125.06	49.85
26 27 26 00-0212	EA	3-Way Locking Switch For Concealed Devices	126.67	49.85
26 27 26 00-0213	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	138.21	46.61
26 27 26 00-0214	EA	15 Amperes Momentary Contact Switch	131.76	46.61
26 27 26 00-0215	EA	20 Amperes Momentary Contact Switch	138.55	46.61
26 27 26 00-0216	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	131.27	56.17
26 27 26 00-0217	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	133.17	56.17
26 27 26 00-0218	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	163.82	68.66
26 27 26 00-0219	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	148.97	62.41
26 27 26 00-0220	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	149.44	62.41
26 27 26 00-0221		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0222		**Wall Plates** *(26 27 26 00-0221)*		
26 27 26 00-0223		**Nylon Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0224	EA	1 Gang Nylon Switch Wall Plates	1.99	0.62
26 27 26 00-0225	EA	2 Gang Nylon Switch Wall Plates	3.38	0.93
26 27 26 00-0226	EA	3 Gang Nylon Switch Wall Plates	4.81	1.24
26 27 26 00-0227	EA	4 Gang Nylon Switch Wall Plate	6.94	1.56
26 27 26 00-0228	EA	1 Gang Duplex Nylon Wall Plate	2.01	0.62
26 27 26 00-0229	EA	2 Gang Duplex Nylon Wall Plate	3.47	0.93
26 27 26 00-0230		**Plastic Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0231	EA	1 Gang Plastic Switch Wall Plates	1.84	0.62
26 27 26 00-0232	EA	2 Gang Plastic Switch Wall Plates	3.09	0.93
26 27 26 00-0233	EA	3 Gang Plastic Switch Wall Plates	4.33	1.24
26 27 26 00-0234	EA	4 Gang Plastic Switch Wall Plates	6.94	1.56
26 27 26 00-0235	EA	1 Gang Duplex Plastic Wall Plate	1.84	0.62
26 27 26 00-0236	EA	2 Gang Duplex Plastic Wall Plate	3.10	0.93
26 27 26 00-0237		**Brass Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0238	EA	1 Gang, 0.04" Brass Switch Wall Plates	19.76	2.81
26 27 26 00-0239	EA	2 Gang, 0.04" Brass Switch Wall Plates	37.19	3.24
26 27 26 00-0240	EA	3 Gang, 0.04" Brass Switch Wall Plates	54.49	3.62
26 27 26 00-0241	EA	4 Gang, 0.04" Brass Switch Wall Plates	84.90	3.93
26 27 26 00-0242	EA	5 Gang, 0.04" Brass Switch Wall Plates	103.46	4.19
26 27 26 00-0243	EA	6 Gang, 0.04" Brass Switch Wall Plates	119.79	4.37
26 27 26 00-0244	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	19.76	2.81
26 27 26 00-0245	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	43.63	3.24
26 27 26 00-0246	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	62.97	3.62
26 27 26 00-0247		**Stainless Steel Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0248	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	10.47	2.81
26 27 26 00-0249	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	16.87	3.24
26 27 26 00-0250	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	23.64	3.62
26 27 26 00-0251	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	34.79	3.93
26 27 26 00-0252	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	41.01	4.19
26 27 26 00-0253	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	49.67	4.37
26 27 26 00-0254	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	11.49	2.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0255	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	19.28	3.24
26 27 26 00-0256	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	31.62	3.62
26 27 26 00-0257	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	38.25	3.93
26 27 26 00-0258		**Chrome Wall Plates** *(26 27 26 00-0222)*		
26 27 26 00-0259	EA	1 Gang, 0.040" Chrome Switch Wall Plate	39.78	2.81
26 27 26 00-0260	EA	2 Gang 0.040" Chrome Switch Wall Plate	74.68	3.24
26 27 26 00-0261	EA	3 Gang 0.040" Chrome Switch Wall Plate	109.56	3.62
26 27 26 00-0262	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	39.75	2.81
26 27 26 00-0263		**Weatherproof Covers** *(26 27 26 00-0221)*		
26 27 26 00-0264		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0265	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	12.42	0.62
26 27 26 00-0266	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	13.46	0.62
26 27 26 00-0267	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	13.46	0.62
26 27 26 00-0268	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	13.46	0.62
26 27 26 00-0269	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	16.52	0.93
26 27 26 00-0270	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	18.76	0.93
26 27 26 00-0271	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	18.98	0.93
26 27 26 00-0272	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	18.98	0.93
26 27 26 00-0273	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	25.80	0.93
26 27 26 00-0274	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	24.44	1.24
26 27 26 00-0275	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	26.72	1.24
26 27 26 00-0276		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0277	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	15.20	0.62
26 27 26 00-0278	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	48.54	0.62
26 27 26 00-0279	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	54.43	0.62
26 27 26 00-0280	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	15.09	0.62
26 27 26 00-0281	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	41.14	0.62
26 27 26 00-0282	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	68.44	0.62
26 27 26 00-0283	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	87.13	0.62
26 27 26 00-0284	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	18.98	0.93
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	137.65	0.93
26 27 26 00-0286	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	31.76	1.24
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	131.51	1.24
26 27 26 00-0288		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0289	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.40	0.62
26 27 26 00-0290	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	6.92	0.62
26 27 26 00-0291	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.30	0.93
26 27 26 00-0292	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.09	0.93
26 27 26 00-0293	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.09	0.93
26 27 26 00-0294	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.23	0.93
26 27 26 00-0295		**Heavy Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0296	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	54.89	0.62
26 27 26 00-0297		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0298	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.07	0.62
26 27 26 00-0299	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.07	0.62
26 27 26 00-0300	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.07	0.62
26 27 26 00-0301	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	13.72	0.93
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	13.72	0.93
26 27 26 00-0303		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	92.12	0.62
26 27 26 00-0305		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0263)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0306	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.60	0.62
26 27 26 00-0307	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	13.57	0.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0308	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.64	0.62
26 27 26 00-0309	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	27.79	0.62
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	32.20	0.62
26 27 26 00-0311	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	26.11	0.62
26 27 26 00-0312	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	19.47	0.62
26 27 26 00-0313	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.78	0.62
26 27 26 00-0314	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.38	0.62
26 27 26 00-0315	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	29.35	0.93
26 27 26 00-0316		Removal And Reinstallation Of Wiring Devices *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0317	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	82.00	
26 27 26 00-0318	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	10.38	
26 27 26 00-0319		In Line Midget Fuseholders *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0320	EA	Single Pole Water Resistant In Line Midget Fuseholder	91.21	
26 27 26 00-0321	EA	Double Pole Water Resistant In Line Midget Fuseholder	212.26	
26 27 26 00-0322		Relay Systems *(26 27 26)*		
26 27 26 00-0323	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	95.00	28.04
26 27 26 00-0324	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	407.88	93.47
26 27 26 00-0325	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	691.49	124.63
26 27 26 00-0326		Limit Switches *(26 27 26)*		
26 27 26 00-0327		Heavy Duty Precision Oiltight *(26 27 26 00-0326)*		
26 27 26 00-0328		Lever Arm, Plunger, Wobble Stick Type *(26 27 26 00-0327)*		
26 27 26 00-0329	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated	369.80	78.52
26 27 33		**Power Distribution Units** *(26 27)*		
		Note: Includes wiring connections and testing.		
26 27 33 00-0001		Liebert Precision Power Center *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,323.33	383.23
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	25,750.07	415.38
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	29,347.06	461.12
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	33,768.36	498.51
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	36,842.74	623.14
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	41,329.66	747.77
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	47,686.15	872.40
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	50,137.34	997.02
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	52,962.43	1,121.65
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,886.17	124.63
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,820.94	155.78
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,373.10	186.94
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	1,994.04	
		Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,495.53	
26 27 73		**Door Chimes** *(26 27)*		
26 27 73 00-0001		Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*		
		Note: Non-electric chime, mounted on door		
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	80.32	16.28
26 27 73 00-0003		Wireless Door Bell System *(26 27 73)*		
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH)	142.71	
		Note: Includes 2 push buttons		
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G)	134.41	
		Note: Includes 2 push buttons		
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300)	100.48	
		Note: Includes 2 push buttons		
26 27 73 00-0007		Door Bell Buzzer System, Wired *(26 27 73)*		
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	678.82	259.60
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	274.43	62.31
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete	111.52	31.16
		Note: Includes removal of existing.		

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13			**Fuses** *(26 28)*		
26 28 13 00-0001			125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*		
26 28 13 00-0002		EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.21	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0003		EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.40	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0004		EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.28	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0005		EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.13	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0006		EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.17	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0007		EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.13	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0008		EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	26.65	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0009		EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.69	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0010		EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.09	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0011		EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.24	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0012		EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.44	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0013			Class RK1, Time Delay Fuses *(26 28 13)*		
26 28 13 00-0014			250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0015		EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.70	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0016		EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.11	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0017		EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.61	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0018		EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.28	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0019		EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.78	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0020		EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.29	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0021		EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.32	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0022		EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.02	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0023		EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.35	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0024		EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.94	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0025		EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.82	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0026		EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.62	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0027		EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.52	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0028		EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.78	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0029		EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.70	8.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0030			250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031		EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	104.49	11.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0032		EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	103.89	11.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0033		EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	116.01	11.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0034		EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	102.94	11.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0035		EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	302.40	11.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0036		EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	219.82	11.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0037		EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	201.01	12.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0038		EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	212.02	12.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0039		EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	402.05	12.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	431.74	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	464.65	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	356.68	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	802.08	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	757.30	18.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	588.98	18.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	

26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	79.21	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.50	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	68.72	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	70.30	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	68.94	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	69.43	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.21	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	63.69	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.99	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.02	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	94.97	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	95.21	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	93.26	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	94.18	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	95.00	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	

26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	180.88	11.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	184.93	12.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	183.89	12.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	184.71	12.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	343.28	12.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	348.55	12.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	342.74	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	341.87	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	657.89	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	660.48	18.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	745.83	18.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	674.99	18.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,218.87	18.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,083.21	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	943.50	22.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	57.85	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	58.80	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	58.53	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	58.23	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	62.71	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	55.54	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	63.96	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	58.26	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	57.09	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	54.40	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	56.68	8.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	77.50	6.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	78.12	6.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.74*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	66.45	7.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	65.20	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	66.69	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	65.36	9.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.61*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	82.99	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	68.07	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	123.76	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	104.57	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	120.82	12.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.48*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	104.99	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	102.93	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	162.59	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	173.97	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	171.06	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	147.10	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	359.48	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	303.82	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	287.59	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	292.02	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	240.25	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	627.41	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	579.09	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	532.60	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	582.08	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	476.70	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.83*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,028.82	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.83*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	869.43	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	642.61	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,988.03	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,991.97	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,995.64	15.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,987.77	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,830.02	18.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.22*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,957.31	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,800.70	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,015.17	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,975.65	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,754.73	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,802.26	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,399.67	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,746.11	24.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,685.70	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,541.82	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,257.04	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,515.68	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,561.14	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,485.13	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,436.00	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,098.89	28.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.82*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,930.32	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,105.71	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,623.72	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,551.47	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,059.26	31.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,959.33	34.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.57*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,203.06	34.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.57*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,520.67	34.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.57*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,499.23	34.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.57*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,686.86	34.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.57*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	14,389.50	34.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.57*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*
Note: Includes connection of electrical wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	59.05	22.43
		For Bolt-On, Add	*16.11*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	59.05	22.43
		For Bolt-On, Add	*16.11*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	83.53	28.04
		For Bolt-On, Add	*21.35*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	120.01	28.04
		For Bolt-On, Add	*25.91*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	161.72	28.04
		For Bolt-On, Add	*31.12*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	185.51	28.04
		For Bolt-On, Add	*34.09*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	97.03	28.04
		For Bolt-On, Add	*23.03*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	96.00	33.65
		For Bolt-On, Add	*25.09*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	96.00	33.65
		For Bolt-On, Add	*25.09*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	142.14	44.87
		For Bolt-On, Add	*35.22*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	227.21	56.08
		For Bolt-On, Add	*50.21*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	265.83	62.31
		For Bolt-On, Add	*57.22*	
		For Installation In New Panelboard, Deduct	*-34.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	220.04	39.89
		For Bolt-On, Add	*43.21*	
		For Installation In New Panelboard, Deduct	*-22.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.92*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	288.27	39.89
		For Bolt-On, Add	*51.74*	
		For Installation In New Panelboard, Deduct	*-22.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.92*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	173.97	44.87
		For Bolt-On, Add	*39.19*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	173.97	44.87
		For Bolt-On, Add	*39.19*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	226.80	56.08
		For Bolt-On, Add	*50.16*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	335.17	67.29
		For Bolt-On, Add	*68.07*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	424.30	78.52
		For Bolt-On, Add	*83.57*	
		For Installation In New Panelboard, Deduct	*-43.62*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.34*	
26 28 16 13-0022		Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	80.66	22.43
		For Bolt-On, Add	*18.81*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	80.66	22.43
		For Bolt-On, Add	*18.81*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	138.78	28.04
		For Bolt-On, Add	*28.25*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	208.92	28.04
		For Bolt-On, Add	*37.02*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	152.90	33.65
		For Bolt-On, Add	*32.20*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	152.90	33.65
		For Bolt-On, Add	*32.20*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	291.64	44.87
		For Bolt-On, Add	*53.90*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	395.10	56.08
		For Bolt-On, Add	*71.20*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	571.42	62.31
		For Bolt-On, Add	*95.42*	
		For Installation In New Panelboard, Deduct	*-34.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	239.99	44.87
		For Bolt-On, Add	*47.45*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	239.99	44.87
		For Bolt-On, Add	*47.45*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	354.05	56.08
		For Bolt-On, Add	*66.07*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	498.16	67.29
		For Bolt-On, Add	*88.44*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	760.01	78.52
		For Bolt-On, Add	*125.54*	
		For Installation In New Panelboard, Deduct	*-43.62*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.34*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	874.18	84.12
		For Bolt-On, Add	*141.99*	
		For Installation In New Panelboard, Deduct	*-46.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	938.88	89.73
		For Bolt-On, Add	*152.26*	
		For Installation In New Panelboard, Deduct	*-49.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.82*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,106.20	95.34
		For Bolt-On, Add	*175.35*	
		For Installation In New Panelboard, Deduct	*-52.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.56*	
26 28 16 13-0040		Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	94.86	22.43
		For Bolt-On, Add	*20.58*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	94.86	22.43
		For Bolt-On, Add	*20.58*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	152.81	28.04
		For Bolt-On, Add	*30.01*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	189.92	33.65
		For Bolt-On, Add	*36.83*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	189.92	33.65
		For Bolt-On, Add	*36.83*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	327.14	44.87
		For Bolt-On, Add	*58.34*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	813.60	56.08
		For Bolt-On, Add	*123.51*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	301.08	44.87
		For Bolt-On, Add	*55.08*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	301.08	44.87
		For Bolt-On, Add	*55.08*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	398.51	56.08
		For Bolt-On, Add	*71.62*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,006.25	67.29
		For Bolt-On, Add	*151.95*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0052		Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	106.92	22.43
		For Bolt-On, Add	*22.09*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	106.92	22.43
		For Bolt-On, Add	*22.09*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	126.71	28.04
		For Bolt-On, Add	*26.74*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	207.31	28.04
		For Bolt-On, Add	*36.82*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	221.39	33.65
		For Bolt-On, Add	*40.76*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	221.39	33.65
		For Bolt-On, Add	*40.76*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	270.13	44.87
		For Bolt-On, Add	*51.21*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	385.91	56.08
		For Bolt-On, Add	*70.05*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	494.71	62.31
		For Bolt-On, Add	*85.83*	
		For Installation In New Panelboard, Deduct	*-34.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	615.99	72.91
		For Bolt-On, Add	*105.35*	
		For Installation In New Panelboard, Deduct	*-40.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.61*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	666.83	84.12
		For Bolt-On, Add	*116.07*	
		For Installation In New Panelboard, Deduct	*-46.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	270.66	44.87
		For Bolt-On, Add	*51.28*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	270.66	44.87
		For Bolt-On, Add	*51.28*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	318.89	56.08
		For Bolt-On, Add	*61.67*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	477.33	67.29
		For Bolt-On, Add	*85.84*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	625.94	87.24
		For Bolt-On, Add	*112.05*	
		For Installation In New Panelboard, Deduct	*-48.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	770.72	100.95
		For Bolt-On, Add	*135.60*	
		For Installation In New Panelboard, Deduct	*-56.08*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	819.31	107.18
		For Bolt-On, Add	*143.85*	
		For Installation In New Panelboard, Deduct	*-59.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.04*	
26 28 16 13-0071		Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	229.25	33.65
		For Bolt-On, Add	*41.74*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	229.25	33.65
		For Bolt-On, Add	*41.74*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	346.13	44.87
		For Bolt-On, Add	*60.71*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	555.74	56.08
		For Bolt-On, Add	*91.28*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	859.01	69.79
		For Bolt-On, Add	*134.64*	
		For Installation In New Panelboard, Deduct	*-38.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.73*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	971.18	72.91
		For Bolt-On, Add	*149.75*	
		For Installation In New Panelboard, Deduct	*-40.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.61*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,062.90	84.12
		For Bolt-On, Add	*165.58*	
		For Installation In New Panelboard, Deduct	*-46.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	328.10	44.87
		For Bolt-On, Add	*58.46*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	328.10	44.87
		For Bolt-On, Add	*58.46*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	413.13	56.08
		For Bolt-On, Add	*73.45*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	690.39	67.29
		For Bolt-On, Add	*112.47*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,004.60	87.24
		For Bolt-On, Add	*159.38*	
		For Installation In New Panelboard, Deduct	*-48.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,185.97	100.95
		For Bolt-On, Add	*187.50*	
		For Installation In New Panelboard, Deduct	*-56.08*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,282.09	107.18
		For Bolt-On, Add	*201.70*	
		For Installation In New Panelboard, Deduct	*-59.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.04*	
26 28 16 13-0086		Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	237.06	33.65
		For Bolt-On, Add	*42.72*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	237.06	33.65
		For Bolt-On, Add	*42.72*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	418.26	44.87
		For Bolt-On, Add	*69.73*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	755.73	56.08
		For Bolt-On, Add	*116.28*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,189.59	69.79
		For Bolt-On, Add	*175.96*	
		For Installation In New Panelboard, Deduct	*-38.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.73*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,351.38	72.91
		For Bolt-On, Add	*197.28*	
		For Installation In New Panelboard, Deduct	*-40.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.61*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	1,473.19	84.12
		For Bolt-On, Add	*216.86*	
		For Installation In New Panelboard, Deduct	*-46.74*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.08*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	382.19	44.87
		For Bolt-On, Add	*65.22*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	382.19	44.87
		For Bolt-On, Add	*65.22*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	506.90	56.08
		For Bolt-On, Add	*85.17*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	918.89	67.29
		For Bolt-On, Add	*141.03*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,161.68	87.24
		For Bolt-On, Add	*179.02*	
		For Installation In New Panelboard, Deduct	*-48.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,838.76	100.95
		For Bolt-On, Add	*269.10*	
		For Installation In New Panelboard, Deduct	*-56.08*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.30*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,957.97	107.18
		For Bolt-On, Add	*286.18*	
		For Installation In New Panelboard, Deduct	*-59.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.04*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	126.61	22.43
		For Bolt-On, Add	*24.55*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	126.61	22.43
		For Bolt-On, Add	*24.55*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	214.89	28.04
		For Bolt-On, Add	*37.77*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	269.05	33.65
		For Bolt-On, Add	*46.72*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	269.05	33.65
		For Bolt-On, Add	*46.72*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	484.46	44.87
		For Bolt-On, Add	*78.01*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	887.96	56.08
		For Bolt-On, Add	*132.81*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,711.87	69.79
		For Bolt-On, Add	*241.25*	
		For Installation In New Panelboard, Deduct	*-38.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.73*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	439.92	44.87
		For Bolt-On, Add	*72.44*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	439.92	44.87
		For Bolt-On, Add	*72.44*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	587.10	56.08
		For Bolt-On, Add	*95.20*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,093.20	67.29
		For Bolt-On, Add	*162.82*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,128.35	87.24
		For Bolt-On, Add	*299.85*	
		For Installation In New Panelboard, Deduct	*-48.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	
26 28 16 13-0115		**Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	182.08	22.43
		For Bolt-On, Add	*31.48*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	182.08	22.43
		For Bolt-On, Add	*31.48*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	273.88	28.04
		For Bolt-On, Add	*45.14*	
		For Installation In New Panelboard, Deduct	*-15.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.69*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	333.23	33.65
		For Bolt-On, Add	*54.74*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	333.23	33.65
		For Bolt-On, Add	*54.74*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	622.61	44.87
		For Bolt-On, Add	*95.27*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,122.37	56.08
		For Bolt-On, Add	*162.11*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,222.73	62.31
		For Bolt-On, Add	*301.83*	
		For Installation In New Panelboard, Deduct	*-34.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	568.52	44.87
		For Bolt-On, Add	*88.51*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	568.52	44.87
		For Bolt-On, Add	*88.51*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	785.79	56.08
		For Bolt-On, Add	*120.03*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,267.50	67.29
		For Bolt-On, Add	*184.61*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,807.75	87.24
		For Bolt-On, Add	*384.78*	
		For Installation In New Panelboard, Deduct	*-48.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	
26 28 16 13-0129		Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	86.34	22.43
		For Bolt-On, Add	*19.52*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	177.60	33.65
		For Bolt-On, Add	*35.29*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	278.81	44.87
		For Bolt-On, Add	*52.30*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	172.57	22.43
		For Bolt-On, Add	*30.30*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	172.57	22.43
		For Bolt-On, Add	*30.30*	
		For Installation In New Panelboard, Deduct	*-12.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	343.73	44.87
		For Bolt-On, Add	*60.41*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	386.09	33.65
		For Bolt-On, Add	*61.35*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	386.09	33.65
		For Bolt-On, Add	*61.35*	
		For Installation In New Panelboard, Deduct	*-18.70*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	741.75	44.87
		For Bolt-On, Add	*110.17*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,254.60	56.08
		For Bolt-On, Add	*178.64*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,750.06	69.79
		For Bolt-On, Add	*371.02*	
		For Installation In New Panelboard, Deduct	*-38.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.73*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	644.14	44.87
		For Bolt-On, Add	*97.97*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	644.14	44.87
		For Bolt-On, Add	*97.97*	
		For Installation In New Panelboard, Deduct	*-24.93*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.91*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	895.57	56.08
		For Bolt-On, Add	*133.76*	
		For Installation In New Panelboard, Deduct	*-31.16*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.39*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,363.67	67.29
		For Bolt-On, Add	*196.63*	
		For Installation In New Panelboard, Deduct	*-37.39*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.87*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,419.56	87.24
		For Bolt-On, Add	*461.25*	
		For Installation In New Panelboard, Deduct	*-48.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.95*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*

Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	490.88	124.63
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	783.61	150.17
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,085.22	175.73
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,876.01	276.67
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,031.64	429.96
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,754.34	635.60
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,245.91	747.77
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,448.53	872.40

26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	760.65	138.46
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	917.82	166.88
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,478.27	195.04
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,180.48	307.83
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,809.30	477.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,507.50	705.89
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,158.51	830.40
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,288.63	969.35
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	693.39	195.66
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,029.44	259.85
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,402.25	288.51
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,219.45	451.77
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,662.00	741.53
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,627.13	1,038.77
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	916.43	216.22
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,161.21	288.51
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,737.43	324.66
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,553.85	494.77
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,767.50	798.86
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,315.72	1,154.05
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,945.90	1,370.90
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,156.44	1,557.84
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	670.18	195.66
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	999.45	259.85
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,347.69	288.51
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,294.49	451.77
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,084.86	741.53
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,263.29	1,038.77
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,784.83	1,308.59
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,027.49	1,495.53
26 28 16 16-0047		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,001.57	216.22
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,265.84	288.51
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,890.43	324.66
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,782.88	494.77
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,256.15	798.86
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,178.73	1,154.05
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,378.70	1,370.90
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,704.16	1,557.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	476.20	180.34
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	744.93	250.88
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,036.87	288.51
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,622.73	461.62
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,303.03	769.32
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,438.01	1,049.12
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,813.09	1,246.28
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,351.20	1,454.53
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	526.02	199.03
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	844.13	281.54
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,172.92	320.54
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,819.87	501.75
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,554.05	824.28
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,014.99	1,153.92
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,688.95	1,246.28
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,550.65	1,454.53
26 28 16 16-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	551.49	162.02
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	849.67	225.57
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,157.31	259.85
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,816.43	415.63
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,671.03	692.31
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,960.28	944.05
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,380.60	1,121.65
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,564.61	1,308.59
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	601.18	178.84
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	933.16	253.62
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,260.58	288.51
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,959.07	451.77
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,933.22	741.53
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,439.97	1,038.77
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,960.22	1,121.65

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	644.38	179.08
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,006.84	253.36
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,380.41	288.51
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,143.64	451.52
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,191.40	741.78
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,204.05	1,038.52
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,832.32	1,121.65
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,518.87	1,308.59
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	966.47	162.27
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,160.91	225.83
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,799.23	259.60
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,694.37	415.38
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,045.91	178.84
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,266.66	253.62
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,948.38	288.51
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,899.74	451.77
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,166.17	179.08
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,399.31	253.36
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,186.91	288.51
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,247.22	451.52
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	335.72	108.42
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	461.46	130.48
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	720.67	152.55
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,343.36	240.66
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,239.87	373.26
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,091.70	552.48
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	459.27	170.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	651.63	225.83
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	917.30	250.88
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,648.84	392.70
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,786.62	645.07
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,799.15	903.05
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	515.38	170.37
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	742.09	225.83
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	999.62	250.88
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,856.23	392.70
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,141.10	645.07
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,023.86	903.05
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	458.10	150.80
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	615.87	173.35
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,416.71	277.05
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,068.27	461.12
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,349.75	628.37
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	433.07	141.08
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	592.73	196.29
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	917.91	225.83
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,586.00	361.30
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,351.47	602.20
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,737.19	820.79
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	729.11	146.43
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,172.69	175.73
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,469.08	204.39
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,147.61	311.57
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,788.01	498.51
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,438.28	664.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,707.29	747.77
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,864.99	872.40
26 28 16 16-0163		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,267.55	195.17
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,507.85	239.28
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,154.69	274.80
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,030.23	412.15
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,644.06	674.36
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,288.34	927.35
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,133.10	1,067.81
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,969.62	1,202.03
26 28 16 16-0172		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	920.25	230.57
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,474.36	305.34
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,784.40	335.25
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,640.80	519.08
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,768.66	865.54
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,687.65	1,154.05
26 28 16 16-0179		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,426.45	273.31
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,699.94	335.00
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,290.25	384.60
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,322.88	577.02
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,058.22	944.18
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,840.73	1,298.24
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,254.00	1,495.53
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,874.92	1,682.47
26 28 16 16-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,015.40	230.57
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,477.12	305.34
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,918.17	335.25
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,730.03	519.08
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,850.51	865.54
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,587.95	1,154.05
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,811.02	1,308.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,232.24	1,495.53
26 28 16 16-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,481.04	273.56
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,761.31	335.25
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,426.66	384.48
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,411.55	577.02
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,378.78	944.05
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,209.03	1,297.99
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,413.75	1,495.53
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	23,403.61	1,682.47
26 28 16 16-0206		Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	694.66	128.25
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,141.59	177.59
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,507.85	203.64
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,992.66	329.77
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,478.98	550.10
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,230.19	733.44
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,312.18	872.77
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,609.66	997.39
26 28 16 16-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	782.82	141.32
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,294.49	197.79
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,704.15	223.33
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,216.12	346.21
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,094.15	577.02
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,891.08	769.32
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,200.90	914.27
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,779.23	1,038.52
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	822.89	192.30
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,319.12	266.33
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,711.49	305.47
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,322.36	494.64
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,097.57	825.03
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,097.82	1,099.83

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,334.82	1,308.59
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,033.33	1,495.53
26 28 16 16-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	893.43	211.87
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,436.18	296.74
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,849.22	335.00
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,467.04	519.33
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,424.49	865.41
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,698.07	1,153.92
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,296.17	1,370.90
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,301.79	1,557.84
26 28 16 16-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	459.40	211.87
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,492.32	296.74
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,927.50	335.00
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,562.30	519.33
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,671.13	865.41
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,660.38	1,153.92
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,275.06	1,370.90
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,273.06	1,557.84
26 28 16 16-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	437.27	127.37
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	623.22	152.79
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	824.98	177.72
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,713.49	270.94
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,244.28	433.45
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,567.13	578.27
26 28 16 16-0260		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	584.66	200.77
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	849.36	265.58
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,051.79	291.38
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,075.92	451.52
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,885.10	752.50
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,428.33	1,003.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	663.31	200.65
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	928.19	265.58
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,305.67	291.38
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,239.90	451.52
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,990.44	752.63
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,250.86	1,003.75
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,288.71	1,137.10
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	395.38	111.54
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	653.55	154.41
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	683.53	177.09
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,745.70	286.65
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,335.01	478.32
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,689.73	637.72
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	620.56	167.25
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	895.45	231.56
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,328.11	265.58
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,289.01	430.08
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,997.59	124.63
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,399.51	150.17
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,925.81	175.48
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,805.01	276.93
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,865.52	429.71
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,926.53	635.35
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,539.58	138.46
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,821.14	166.75
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,324.56	194.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,517.60	307.83
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,392.09	477.82
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,631.37	705.89
26 28 16 16-0304		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,231.71	195.91
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,793.91	259.60
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,378.14	288.51
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,635.52	451.52
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,920.02	741.78
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,296.78	1,038.52
26 28 16 16-0311		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,702.42	216.36
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,072.28	288.51
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,599.11	324.53
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,912.49	494.52
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,400.91	798.86
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,910.86	1,153.92
26 28 16 16-0318		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,676.58	195.91
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,350.05	259.60
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,490.97	288.51
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,157.26	451.52
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,915.00	741.78
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,412.60	1,038.52
26 28 16 16-0325		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,228.09	216.36
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,668.38	288.51
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,735.02	324.53
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,446.95	494.52
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,436.31	798.86
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	26,082.80	1,153.92
26 28 16 16-0332		**Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0288)*		
26 28 16 16-0333		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,915.50	124.63
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,326.62	173.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,408.31	199.41
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,106.87	318.54
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,129.11	530.41
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,947.96	722.59
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,179.31	137.47
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,651.37	194.42
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,025.38	221.59
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,943.64	346.21
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,646.21	569.79
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,169.99	797.61
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,990.79	162.27
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,399.87	225.83
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,499.09	259.60
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,840.32	415.38
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,854.47	692.43
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,868.69	944.18
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,262.39	179.08
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,769.25	253.36
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,159.23	288.51
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,154.21	451.52
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,320.25	741.78
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,197.58	1,038.52
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,751.34	162.27
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,291.94	225.83
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,464.37	259.60
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,382.44	415.38
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,131.59	179.08
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,752.78	253.36
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,514.23	288.51

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,962.06	451.52
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,640.00	216.22
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,139.62	288.51
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,484.99	324.66
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,726.27	494.77
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,413.95	178.84
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,902.82	253.62
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,079.99	288.51
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,610.27	451.77
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,169.30	216.22
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,731.89	288.51
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,605.07	324.66
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,914.76	178.84
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,463.61	253.62
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,155.08	288.51
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,279.66	249.26
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,699.90	296.74
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,101.75	335.00
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,747.72	519.33
26 28 16 16-0397		Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,523.85	296.74
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,956.41	335.00
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,457.12	519.33
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	711.00	124.63
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	931.36	150.17
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,277.61	175.73
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,159.24	276.67
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,644.85	429.96
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,418.51	635.60
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,129.52	138.34
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,159.11	167.00
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,680.00	195.04
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,627.77	307.83
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,777.80	477.33
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,484.68	706.02
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	982.93	195.66
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,364.29	259.85
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,877.56	288.51
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,785.47	451.77
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,500.90	741.53
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,866.28	1,038.77
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,319.41	216.22
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,484.10	288.51
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,210.99	324.66
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,212.59	494.77
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,788.15	798.86
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,852.36	1,154.05
26 28 16 16-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,053.51	195.66
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,412.77	259.85
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,029.74	288.51
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,976.53	451.77
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,012.46	741.53
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,211.87	1,038.77
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,401.23	216.22
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,702.36	288.51
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,361.06	324.66
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,499.04	494.77
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,251.94	798.86
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,234.29	1,154.05
26 28 16 16-0445		Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)*		
26 28 16 16-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	745.35	180.09
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	986.47	251.12
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,315.38	288.51
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,867.75	461.74
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,148.89	769.57
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,598.28	1,049.37
26 28 16 16-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	831.12	198.78
26 28 16 16-0455	EA	60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,095.99	281.66
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,466.21	320.29
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,029.33	501.63
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,391.07	824.41
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,290.41	1,154.05
26 28 16 16-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	959.47	162.02
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,259.06	225.57
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,687.40	259.85
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,396.56	415.63
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,097.16	692.31
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,083.35	944.05
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	933.78	178.84
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,359.19	253.62
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,804.66	288.51
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,355.86	451.77
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,105.34	741.53
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,647.86	1,038.77
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,161.37	162.02
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,373.89	225.57
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,157.80	259.85
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,420.72	415.63
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,246.78	529.67
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,203.87	178.84
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,495.60	253.62
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,302.56	288.51
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,508.51	451.77
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,609.89	697.91
26 28 16 16-0486		Double Throw Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	891.59	160.14
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,323.57	209.37
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,861.24	273.56
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,484.09	355.81
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,090.94	444.92
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,103.95	713.49
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,695.94	997.02
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,792.01	1,121.65
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,160.15	1,246.28
26 28 16 16-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,119.86	224.33
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,567.96	292.87
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,373.94	383.23
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,501.14	498.51
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,390.93	623.14
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,678.39	997.02
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,682.19	1,121.65
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,653.55	1,246.28
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,326.39	1,370.90
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	27,011.39	1,620.15
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	30,737.59	1,869.41
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	41,956.76	2,118.66
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	46,074.44	2,367.92
26 28 16 16-0512		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,492.14	280.41
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,180.74	366.41
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,910.51	478.57
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,364.54	621.89
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,923.49	778.92
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,758.39	1,248.14
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,462.30	1,370.90
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,321.62	1,433.21
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,185.70	1,495.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	31,980.35	1,744.78
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	36,801.60	1,994.04
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	52,414.72	2,243.29
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	57,950.53	2,492.55
26 28 16 16-0526		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,536.27	209.37
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,319.93	273.56
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,430.85	355.81
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,184.10	444.92
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,083.77	713.49
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,766.18	997.02
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,446.88	1,121.65
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,126.92	1,246.28
26 28 16 16-0535		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,703.08	292.87
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,538.60	383.23
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,715.07	498.51
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,540.26	623.14
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,652.68	997.02
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,826.08	1,121.65
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,470.73	1,246.28
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,384.86	1,370.90
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	30,695.91	1,620.15
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	34,922.40	1,869.41
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	41,956.70	2,118.66
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	50,208.30	2,367.92
26 28 16 16-0548		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,313.79	366.41
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,103.28	478.57
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,762.10	621.89
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,771.53	778.92
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,708.67	1,248.14
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,934.35	1,370.90
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,367.14	1,433.21
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,505.16	1,495.53
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	34,829.42	1,744.78
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	40,082.95	1,994.04
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	57,207.55	2,243.29
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	63,247.07	2,492.55
26 28 16 16-0561		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0562		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,343.49	273.56
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,444.10	355.81
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,014.93	444.92
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	31,041.01	713.49
26 28 16 16-0567		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,065.48	382.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,979.95	497.89
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,532.46	623.14
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	20,058.17	998.89
26 28 16 16-0572		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,977.13	280.53
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,687.07	366.16
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,179.45	478.45
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,507.45	622.14
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,818.77	778.92
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,867.47	1,248.26
26 28 16 16-0579		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,993.36	209.37
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,045.53	273.56
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,580.34	355.81
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,798.57	444.92
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,400.28	713.49
26 28 16 16-0585		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,243.88	292.87
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,395.99	382.60
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,120.75	497.89
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,676.28	623.14
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,651.15	998.89
26 28 16 16-0591		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,717.91	366.16
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,193.59	478.45
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,703.84	622.14
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,795.58	778.92
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,995.28	1,248.26
26 28 16 16-0597		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0598		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,398.96	160.27
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,710.35	209.25
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,057.47	273.43
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,208.29	355.56
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,919.07	445.05
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,597.60	713.24
26 28 16 16-0605		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,746.47	224.33
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,241.62	292.87
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,837.88	382.60
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,360.05	497.89
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,842.12	623.14
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,960.67	998.89
26 28 16 16-0612		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,117.47	280.53
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,807.78	366.16
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,597.63	478.45
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,969.18	622.14
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,699.28	778.92
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,677.50	1,248.26
26 28 16 16-0619		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,592.74	209.25
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,764.32	273.43

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,178.40	355.56
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,376.36	445.05
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,902.83	713.24
26 28 16 16-0625		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,927.17	292.87
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,152.48	382.60
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,802.66	497.89
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,231.43	623.14
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,126.98	998.89
26 28 16 16-0631		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,858.05	366.16
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,968.45	478.45
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,187.74	622.14
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	17,169.74	778.92
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	21,301.08	1,248.26
26 28 16 16-0637		Removal And Reinstallation Of Disconnect Switches *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	623.14	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	810.11	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	903.62	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,059.40	
26 28 16 16-0642		Bolted Contact Switches *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		Electrical Trip, Bolted Contact Switches *(26 28 16 16-0642)*		
26 28 16 16-0644		Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)*		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,155.64	1,246.28
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	10,982.93	1,495.53
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	11,942.99	1,744.78
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	12,599.56	1,994.04
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,229.84	2,243.29
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	17,870.72	2,492.55
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	24,115.57	2,991.06
26 28 16 16-0652		Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)*		
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	10,768.94	1,246.28
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	11,716.36	1,495.53
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	12,670.10	1,744.78
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	13,642.80	1,994.04
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	15,355.28	2,243.29
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	19,982.50	2,492.55
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	26,315.86	2,991.06
26 28 16 16-0660		Manually Operated, Bolted Contact Switches *(26 28 16 16-0642)*		
26 28 16 16-0661		Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*		
26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,398.95	1,246.28
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,259.12	1,495.53
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,171.13	1,744.78
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,075.55	1,994.04
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	11,043.21	2,243.29
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	14,684.09	2,492.55
26 28 16 16-0668	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	20,853.06	2,991.06
26 28 16 16-0669		Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*		
26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	7,804.87	1,246.28
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	8,872.42	1,495.53
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	9,765.46	1,744.78
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	10,860.82	1,994.04
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	12,029.55	2,243.29
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	16,637.80	2,492.55
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	22,901.61	2,991.06

26 29 Low-Voltage Controllers *(26 20)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13		**Enclosed Controllers** *(26 29)*		
26 29 13 13		**Across-The-Line Motor Controllers** *(26 29 13)*		
26 29 13 13-0001		Manual Motor Starters *(26 29 13 13)*		
26 29 13 13-0002		Fractional HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	233.71	62.41
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.02*	
		For Oversized Enclosure, Add	*30.38*	
		For Pilot Light, Add	*44.56*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	306.10	81.13
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.02*	
		For Oversized Enclosure, Add	*30.38*	
		For Pilot Light, Add	*44.56*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	264.09	62.41
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.02*	
		For Oversized Enclosure, Add	*30.38*	
		For Pilot Light, Add	*44.56*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	336.49	81.13
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.02*	
		For Oversized Enclosure, Add	*30.38*	
		For Pilot Light, Add	*44.56*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	246.87	62.41
		For Oversized Enclosure, Add	*30.38*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	323.32	81.13
		For Oversized Enclosure, Add	*30.38*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	495.64	74.90
		For Pilot Light, Add	*116.46*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	571.08	93.62
		For Pilot Light, Add	*116.46*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	526.02	74.90
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	598.42	93.62
26 29 13 13-0013		Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	189.32	62.41
		For Oversize Enclosure, Add	*14.66*	
		For Pilot Light, Add	*70.36*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	307.88	81.13
		For Oversize Enclosure, Add	*14.66*	
		For Pilot Light, Add	*70.36*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	213.53	68.66
		For Oversize Enclosure, Add	*14.66*	
		For Pilot Light, Add	*70.36*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	333.05	87.38
		For Oversize Enclosure, Add	*14.66*	
		For Pilot Light, Add	*70.36*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	217.66	62.41
		For Oversize Enclosure, Add	*14.66*	
		For Pilot Light, Add	*70.36*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	337.20	81.13
		For Oversize Enclosure, Add	*14.66*	
		For Pilot Light, Add	*70.36*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	456.63	74.90
		For Pilot Light, Add	*111.40*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	564.43	93.62
		For Pilot Light, Add	*111.40*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	481.82	81.13
		For Pilot Light, Add	*111.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	586.70	99.86
		For Pilot Light, Add	*111.40*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	483.99	74.90
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	599.61	93.62
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	138.19	43.69
		For Pilot Light, Add	*70.36*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	256.75	62.41
		For Pilot Light, Add	*70.36*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	162.40	49.93
		For Pilot Light, Add	*70.36*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	280.96	68.66
		For Pilot Light, Add	*70.36*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	505.14	112.34
		For Pilot Light, Add	*113.35*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	730.52	149.79
		For Pilot Light, Add	*113.35*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	505.14	112.34
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	730.52	149.79

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	460.71	74.90
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	460.71	74.90
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	947.47	87.38
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	947.47	87.38
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,235.08	87.38
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	585.93	87.38
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	392.88	56.17
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	546.12	81.13
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	546.12	81.13
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,133.14	93.62
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,133.14	93.62
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,443.03	93.62
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	671.34	93.62
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	478.29	62.41
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	715.56	87.38
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	715.56	87.38
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,346.15	99.86
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,346.15	99.86
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,642.87	99.86
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	843.84	99.86
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	650.78	68.66
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	570.58	93.62
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	570.58	93.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,057.34	106.11
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,057.34	106.11
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,353.05	106.11
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	696.81	106.11
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	505.79	74.90
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	655.99	99.86
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	655.99	99.86
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,243.01	112.34
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,243.01	112.34
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,559.99	112.34
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	781.21	112.34
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	588.16	81.13
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,324.00	131.07
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,324.00	131.07
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,163.02	93.62
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,564.67	143.55
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,403.69	106.11
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,324.00	131.07
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,163.02	93.62
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,564.67	143.55
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,403.69	106.11
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non-Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	540.30	124.83
		For Factory Installed Accessory, Deduct	*-249.65*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	607.80	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	582.83	124.83
		For Factory Installed Accessory, Deduct	*-249.65*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	651.35	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	718.85	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	908.18	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,142.07	224.69
		For Factory Installed Accessory, Deduct	*-449.37*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	678.69	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	746.19	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	815.71	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,043.51	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,276.38	255.90
		For Factory Installed Accessory, Deduct	*-511.78*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,137.10	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,267.70	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,652.79	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,701.14	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	1,942.42	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,470.32	312.06
		For Factory Installed Accessory, Deduct	*-624.13*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,518.75	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	3,826.35	312.06
		For Factory Installed Accessory, Deduct	*-624.13*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,211.45	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	5,691.28	436.89
		For Factory Installed Accessory, Deduct	*-873.78*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	7,688.11	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	8,544.38	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	22,095.59	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	31,644.07	1,123.43
		For Factory Installed Accessory, Deduct	*-2,246.86*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	571.69	124.83
		For Factory Installed Accessory, Deduct	*-249.65*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	639.20	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	614.23	124.83
		For Factory Installed Accessory, Deduct	*-249.65*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	683.76	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	751.25	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	942.62	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,177.51	224.69
		For Factory Installed Accessory, Deduct	*-449.37*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	712.11	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	781.63	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	849.13	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,077.94	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,309.80	255.90
		For Factory Installed Accessory, Deduct	*-511.78*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,286.98	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,418.59	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,802.67	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	1,995.84	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,236.11	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	2,765.02	312.06
		For Factory Installed Accessory, Deduct	*-624.13*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,437.02	312.06
		For Factory Installed Accessory, Deduct	*-624.13*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	4,822.12	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	9,657.36	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	26,990.06	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	36,552.72	1,123.43
		For Factory Installed Accessory, Deduct	*-2,246.86*	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	856.93	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	924.43	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,022.30	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,602.95	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,735.57	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,370.55	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,609.81	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,062.70	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	12,832.23	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	30,882.95	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,256.60	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,301.16	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,368.65	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,597.47	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,457.64	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	3,706.58	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	7,332.65	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	12,832.23	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	34,200.62	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	
26 29 13 13-0157		**NEMA 7/9, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,495.77	199.73
		For Factory Installed Accessory, Deduct	*-399.44*	
26 29 13 13-0159		**Non-Reversing, Magnetic Starters** *(26 29 13 13-0083)*		
26 29 13 13-0160		**Open Enclosure, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	640.56	124.83
		For Factory Installed Accessory, Deduct	*-249.65*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	665.53	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	715.15	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	790.75	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,268.66	224.69
		For Factory Installed Accessory, Deduct	*-449.37*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	813.03	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	952.43	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	994.96	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,229.26	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,398.34	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,158.13	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,543.62	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	10,267.01	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	23,530.61	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	33,904.46	1,123.43
		For Factory Installed Accessory, Deduct	*-2,246.86*	
26 29 13 13-0176		**NEMA 1, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	673.98	124.83
		For Factory Installed Accessory, Deduct	*-249.65*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	698.95	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	748.57	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	824.17	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	845.44	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	922.04	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,029.39	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,380.15	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,549.23	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,452.84	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,154.29	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	11,383.03	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0189		**NEMA 12, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	921.75	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	997.34	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,018.61	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,095.22	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,202.57	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,697.13	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	1,865.20	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	2,826.53	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,393.86	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	14,554.87	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	34,641.15	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	
26 29 13 13-0201		**NEMA 3R, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	921.75	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	997.34	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,018.61	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,095.22	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,202.57	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,697.13	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	1,865.20	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	2,826.53	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,393.86	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,601.75	212.20
		For Factory Installed Accessory, Deduct	*-424.40*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,191.15	212.20
		For Factory Installed Accessory, Deduct	*-424.40*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,289.03	224.69
		For Factory Installed Accessory, Deduct	*-449.37*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,083.88	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,132.31	312.06
		For Factory Installed Accessory, Deduct	*-624.13*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	9,763.43	436.89
		For Factory Installed Accessory, Deduct	*-873.78*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,252.91	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,329.52	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,364.96	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,441.57	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,548.92	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,417.18	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	3,922.29	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	7,662.79	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	16,994.51	499.30
		For Factory Installed Accessory, Deduct	*-998.61*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,588.28	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	4,779.05	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	9,392.52	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,517.04	199.73
		For Factory Installed Accessory, Deduct	*-399.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,601.75	212.20
		For Factory Installed Accessory, Deduct	*-424.40*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,638.20	212.20
		For Factory Installed Accessory, Deduct	*-424.40*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,718.87	224.69
		For Factory Installed Accessory, Deduct	*-449.37*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	2,842.43	224.69
		For Factory Installed Accessory, Deduct	*-449.37*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,168.38	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,198.52	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,262.32	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,396.66	174.75
		For Factory Installed Accessory, Deduct	*-349.51*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,449.99	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,485.43	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,589.38	199.73
		For Factory Installed Accessory, Deduct	*-399.44*	
26 29 13 13-0247	EA	Size 1, 3 Phase, 3 Pole, 3 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,657.22	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,693.67	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,878.18	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,700.59	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	10,774.64	561.72
		For Factory Installed Accessory, Deduct	*-1,123.43*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	20,039.77	748.96
		For Factory Installed Accessory, Deduct	*-1,497.90*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	64,775.20	1,373.08
		For Factory Installed Accessory, Deduct	*-2,746.16*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,234.32	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,289.66	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,326.12	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,457.42	174.75
		For Factory Installed Accessory, Deduct	*-349.51*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,512.78	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,549.23	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,680.53	199.73
		For Factory Installed Accessory, Deduct	*-399.44*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,748.36	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,784.82	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,115.15	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,110.74	374.48
		For Factory Installed Accessory, Deduct	*-748.96*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	11,528.11	561.72
		For Factory Installed Accessory, Deduct	*-1,123.43*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,772.03	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,808.49	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,044.08	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,548.60	249.65
		For Factory Installed Accessory, Deduct	*-499.30*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,211.55	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,604.13	199.73
		For Factory Installed Accessory, Deduct	*-399.44*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	165.17	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	279.50	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	165.17	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	279.50	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	279.50	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	139.29	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	124.28	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	165.17	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	139.29	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	185.96	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	207.43	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	356.40	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	378.35	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	452.73	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	788.79	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	788.79	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	48.87	9.37
		For Factory Installed Accessory, Deduct	*-18.72*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	98.87	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	130.53	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	102.81	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	57.19	9.37
		For Factory Installed Accessory, Deduct	*-18.72*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	35.24	9.37
		For Factory Installed Accessory, Deduct	*-18.72*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	180.87	12.49
		For Factory Installed Accessory, Deduct	*-24.96*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	311.84	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	600.36	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	599.34	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	648.61	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	636.82	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	692.16	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	669.22	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	778.55	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	862.61	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,083.00	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	610.84	137.31
		For Factory Installed Accessory, Deduct	*-274.62*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	660.11	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	658.08	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	710.39	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	696.57	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	752.92	162.28
		For Factory Installed Accessory, Deduct	*-324.54*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	731.00	149.79
		For Factory Installed Accessory, Deduct	*-299.58*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	839.32	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	920.34	187.24
		For Factory Installed Accessory, Deduct	*-374.48*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,141.74	218.45
		For Factory Installed Accessory, Deduct	*-436.89*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	185.96	15.60
		For Factory Installed Accessory, Deduct	*-31.21*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0325		**Non-Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	182.55	62.41
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	213.26	68.66
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	213.26	68.66
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	236.88	74.90
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	200.78	62.41
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	210.91	62.41
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	230.48	68.66
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	240.61	68.66
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	236.56	68.66
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	240.61	68.66
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	257.14	74.90
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	246.68	68.66
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	267.27	74.90
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	248.71	68.66
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	248.71	68.66
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	277.39	74.90
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	277.39	74.90
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	256.48	62.41
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	276.74	62.41
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	306.43	68.66
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	306.43	68.66
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	326.69	68.66
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	343.22	74.90
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	343.22	74.90
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	293.95	62.41
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	314.21	62.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	341.88	68.66
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	362.13	68.66
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	384.74	74.90
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	405.00	74.90
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	330.74	68.66
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	378.34	68.66
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	427.27	74.90
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	78.31	31.21
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	86.13	31.21
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	100.29	31.21
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	128.45	31.21
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,305.46	598.22
		For NEMA 4, Add	*760.45*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	12,709.94	797.61
		For NEMA 4, Add	*1,389.02*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	22,169.69	947.17
		For NEMA 4, Add	*2,535.17*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	53,860.98	1,159.03
		For NEMA 4, Add	*6,444.13*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	85,868.59	1,483.07
		For NEMA 4, Add	*10,362.66*	
26 29 13 13-0372		**NEMA 12 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,254.79	610.92
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	12,617.39	798.86
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	22,000.76	944.18
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	53,431.58	1,153.92
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	85,178.08	1,483.69
26 29 13 13-0378		**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	179.16	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	197.60	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	336.35	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	182.75	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	262.77	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	131.39	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	428.84	
26 29 13 13-0386		**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,723.80	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,664.95	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	588.61	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	487.73	
26 29 13 13-0391		**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,278.25	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,166.64	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	8,862.86	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0395		Factory Modifications Addition *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0400		Combination Starters Non-Reversing *(26 29 13 13)*		
26 29 13 13-0401		240-600 Volt, 3-Pole *(26 29 13 13-0400)*		
26 29 13 13-0402		NEMA 1 With Disconnect Switch *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,467.49	286.65
		For Electronic Overloads, Add	*169.20*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,842.54	448.65
		For Electronic Overloads, Add	*178.49*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,526.01	523.44
		For Electronic Overloads, Add	*282.62*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,774.02	648.06
		For Electronic Overloads, Add	*470.41*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,852.62	1,034.40
		For Electronic Overloads, Add	*907.34*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,318.41	1,296.13
		For Electronic Overloads, Add	*2,037.18*	
26 29 13 13-0409		NEMA 1 With Circuit Breaker *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,819.78	286.65
		For Electronic Overloads, Add	*236.13*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,194.83	448.65
		For Electronic Overloads, Add	*245.43*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,868.51	523.44
		For Electronic Overloads, Add	*347.69*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,959.95	648.06
		For Electronic Overloads, Add	*505.73*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,919.27	1,034.40
		For Electronic Overloads, Add	*1,110.01*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	16,146.52	1,296.13
		For Electronic Overloads, Add	*2,574.52*	
26 29 13 13-0416		Factory Modifications For NEMA 1 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	160.43	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	376.81	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	260.06	
26 29 13 13-0420		NEMA 4 With Disconnect Switch *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,599.25	373.88
		For Electronic Overloads, Add	*347.69*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,917.44	523.44
		For Electronic Overloads, Add	*356.99*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,089.71	573.28
		For Electronic Overloads, Add	*557.79*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,385.31	697.91
		For Electronic Overloads, Add	*950.11*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,081.94	1,034.40
		For Electronic Overloads, Add	*1,520.91*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	21,558.08	1,296.13
		For Electronic Overloads, Add	*3,602.72*	
26 29 13 13-0427		NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,951.54	373.88
		For Electronic Overloads, Add	*414.63*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,269.73	523.44
		For Electronic Overloads, Add	*423.92*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,432.21	573.28
		For Electronic Overloads, Add	*622.87*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,571.24	697.91
		For Electronic Overloads, Add	*985.43*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,148.60	1,034.40
		For Electronic Overloads, Add	*1,723.58*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	20,452.28	1,296.13
		For Electronic Overloads, Add	*3,392.62*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0434		Factory Modifications For NEMA 4 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	160.45	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	376.81	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	260.06	
26 29 13 13-0438		NEMA 12 With Disconnect Switch *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,512.01	288.51
		For Electronic Overloads, Add	*177.66*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,889.51	451.52
		For Electronic Overloads, Add	*187.42*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,600.38	519.33
		For Electronic Overloads, Add	*296.75*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,897.80	649.06
		For Electronic Overloads, Add	*493.92*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,091.39	1,038.64
		For Electronic Overloads, Add	*952.71*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,854.50	1,298.12
		For Electronic Overloads, Add	*2,139.04*	
26 29 13 13-0445		NEMA 12 With Circuit Breaker *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,932.67	288.51
		For Electronic Overloads, Add	*257.58*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,312.17	451.52
		For Electronic Overloads, Add	*267.72*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,034.74	519.33
		For Electronic Overloads, Add	*379.27*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,201.73	649.06
		For Electronic Overloads, Add	*551.67*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,449.96	1,038.64
		For Electronic Overloads, Add	*1,210.84*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	17,377.38	1,298.12
		For Electronic Overloads, Add	*2,808.39*	
26 29 13 13-0452		Factory Modifications For NEMA 12 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	159.12	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	373.68	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	257.90	
26 29 13 13-0456		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,326.44	598.22
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,501.35	797.61
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,989.34	1,096.72
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,357.88	1,495.53
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,021.00	2,093.74
26 29 13 13-0462		Factory Modifications For NEMA 7 Or 9 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	954.10	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	954.10	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	954.10	
26 29 13 13-0466		Combination Starters Reversing *(26 29 13 13)*		
26 29 13 13-0467		240-600 Volt, 3 Pole *(26 29 13 13-0466)*		
26 29 13 13-0468		NEMA 1 With Disconnect Switch *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,830.50	373.88
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,170.83	523.44
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,046.60	573.28
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,520.98	697.91
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	8,645.69	1,034.40
26 29 13 13-0474		NEMA 1 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,016.38	373.88
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,369.24	523.44
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,278.87	573.28
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,201.20	697.91
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,273.97	1,034.40
26 29 13 13-0480		NEMA 12 With Disconnect Switch *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,938.59	384.73
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,286.15	519.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,239.37	577.02
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,840.43	692.43
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,314.74	1,038.64
26 29 13 13-0486		NEMA 12 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,143.40	384.73
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,504.78	519.33
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,495.31	577.02
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,488.07	692.43
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,007.01	1,038.64
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,062.95	797.61
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,421.39	997.02
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,302.34	1,296.13
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,880.43	1,694.93
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	17,716.28	2,293.15
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,418.14	224.33
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,678.24	224.33
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	890.19	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	451.77	124.63
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	451.77	124.63
26 29 13 13-0507	EA	Pilot Light Kit	472.20	124.63
26 29 13 13-0508		Irrigation Controller Panel *(26 29 13 13)* Note: 230 VAC supply voltage, 30 Amp minimum service required.		
26 29 13 13-0509	EA	Irrigation Booster Pump Control Panel Adder Note: Includes: main disconnect, 30 Amp 2 pole breaker, IEC starter for 11A, 1500VA fused CPT, overtemp and pump fail relays, 22MM green light run, 22MM red light run, 22MM HOA switch, terminals and accessories and misc hardware	2,911.60	150.69
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,289.81	436.68
		For 6-Pulse Drive Package, Deduct	*-778.99*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,580.68	477.27
		For 6-Pulse Drive Package, Deduct	*-896.81*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	3,002.73	524.79
		For 6-Pulse Drive Package, Deduct	*-1,074.24*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,172.46	504.44
		For 6-Pulse Drive Package, Deduct	*-1,189.97*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,399.62	549.98
		For 6-Pulse Drive Package, Deduct	*-1,264.82*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,683.14	549.98
		For 6-Pulse Drive Package, Deduct	*-1,420.76*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,400.58	656.67
		For 6-Pulse Drive Package, Deduct	*-1,697.98*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,810.12	656.67
		For 6-Pulse Drive Package, Deduct	*-1,923.23*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,324.82	988.74
		For 6-Pulse Drive Package, Deduct	*-2,391.04*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,458.92	988.74
		For 6-Pulse Drive Package, Deduct	*-3,014.79*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	9,084.79	1,313.45
		For 6-Pulse Drive Package, Deduct	*-3,551.91*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,502.40	1,313.45
		For 6-Pulse Drive Package, Deduct	*-4,331.59*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,731.00	1,313.45
		For 6-Pulse Drive Package, Deduct	*-5,007.32*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	15,480.58	1,660.37
		For 6-Pulse Drive Package, Deduct	*-6,687.98*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	18,671.52	1,964.18
		For 6-Pulse Drive Package, Deduct	*-8,108.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	21,191.72	1,964.18
		For 6-Pulse Drive Package, Deduct	*-9,494.85*	
26 29 23 00-0018		460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)*		
		Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive	5,477.69	785.70
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-2,148.47*	
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive	5,666.70	785.70
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-2,252.43*	
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive	6,188.06	936.16
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-2,373.71*	
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive	6,219.56	936.16
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-2,391.04*	
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive	8,319.96	1,419.26
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-3,014.79*	
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive	8,760.99	1,419.26
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-3,257.36*	
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive	10,517.59	1,872.33
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-3,725.17*	
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive	12,092.71	1,872.33
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-4,591.49*	
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive	13,730.84	1,872.33
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-5,492.46*	
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive	17,987.54	2,378.31
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-7,277.08*	
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive	24,038.20	2,820.37
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-10,118.60*	
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive	25,550.32	2,820.37
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-10,950.27*	
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive	29,597.27	3,142.77
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-12,821.52*	
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive	31,235.40	3,142.77
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	*-13,722.49*	
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive	34,637.67	3,142.77
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-15,593.74*	
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive	39,970.46	3,792.95
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-17,811.51*	
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive	50,117.64	3,962.23
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-23,206.25*	
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive	58,791.37	4,546.51
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-27,334.09*	
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive	67,673.92	4,930.83
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-31,796.67*	
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive	78,483.42	5,324.29
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-37,309.23*	
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive	84,581.37	5,773.62
		Note: Floor mounted.		
		For 6-Pulse Drive Package, Deduct	*-40,168.78*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	34,133.40	266.03
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	38,647.18	295.60
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	40,512.48	325.16
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	46,201.84	354.71
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	48,797.40	413.83
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	51,961.61	532.07
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	56,313.79	591.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	64,406.72	673.96
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	77,665.39	727.17
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	91,288.92	827.67
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	108,973.53	886.78
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	123,054.79	945.90

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment *(26)*

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,196.62	118.39
		For >25 To 50, Deduct	*-158.83*	
		For >50 To 100, Deduct	*-213.74*	
		For >100, Deduct	*-317.65*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,302.85	118.39
		For >25 To 50, Deduct	*-166.79*	
		For >50 To 100, Deduct	*-224.37*	
		For >100, Deduct	*-333.59*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,154.94	118.39
		For >25 To 50, Deduct	*-155.70*	
		For >50 To 100, Deduct	*-209.57*	
		For >100, Deduct	*-311.40*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,718.25	118.39
		For >25 To 50, Deduct	*-122.95*	
		For >50 To 100, Deduct	*-165.91*	
		For >100, Deduct	*-245.90*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,955.38	118.39
		For >25 To 50, Deduct	*-140.73*	
		For >50 To 100, Deduct	*-189.62*	
		For >100, Deduct	*-281.47*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,992.94	118.39
		For >25 To 50, Deduct	*-143.55*	
		For >50 To 100, Deduct	*-193.37*	
		For >100, Deduct	*-287.10*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,875.55	118.39
		For >25 To 50, Deduct	*-134.75*	
		For >50 To 100, Deduct	*-181.64*	
		For >100, Deduct	*-269.49*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	844.75	118.39
		For >25 To 50, Deduct	*-57.44*	
		For >50 To 100, Deduct	*-78.56*	
		For >100, Deduct	*-114.87*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,044.32	118.39
		For >25 To 50, Deduct	*-72.40*	
		For >50 To 100, Deduct	*-98.51*	
		For >100, Deduct	*-144.81*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,124.14	118.39
		For >25 To 50, Deduct	*-78.39*	
		For >50 To 100, Deduct	*-106.49*	
		For >100, Deduct	*-156.78*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,240.90	124.63
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	6,914.76	124.63
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,299.33	124.63
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,162.15	124.63
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	12,927.89	124.63
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,028.66	124.63
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,232.44	249.26
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,484.40	249.26
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	457.31	62.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0026		**SMA Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	3,890.86	124.63
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,671.41	124.63
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,398.84	124.63
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	5,954.17	124.63
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,767.11	124.63
26 31 00 00-0032		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,816.04	124.63
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,037.15	124.63
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,565.95	124.63
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,599.28	155.78
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,046.04	186.94
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,113.36	186.94
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,561.36	186.94
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	102,122.05	997.02
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	102,257.26	997.02
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	110,655.18	997.02
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	102,579.96	997.02
26 31 00 00-0044		**Solectria Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,056.90	249.26
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,056.90	249.26
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	16,526.78	249.26
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	16,526.78	249.26
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	50,311.28	747.77
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	47,961.86	747.77
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,010.12	747.77
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	53,704.89	747.77
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	58,403.73	747.77
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	55,793.26	747.77
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	61,512.71	997.02
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	58,641.20	997.02
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	63,862.13	997.02
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	60,468.52	997.02
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	670.98	31.16
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	731.43	31.16
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,175.73	31.16
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	393.99	46.73
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	262.51	46.73
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	732.07	46.73
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	470.95	124.63
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	458.78	124.63
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	730.15	186.94
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	734.41	186.94
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,129.36	186.94
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,045.62	124.63
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,253.11	124.63
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,426.90	249.26
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,586.05	249.26
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	933.33	124.63
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	314.16	46.73
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	419.81	46.73
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	490.25	46.73
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	375.21	46.73
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,303.11	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0086		Photovoltaic Batteries *(26 31)*		
26 31 00 00-0087		Concorde Photovoltaic Batteries *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	290.71	18.69
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	366.50	24.92
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	397.21	24.92
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	454.76	37.39
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	518.09	37.39
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	614.99	43.62
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	705.32	49.85
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	697.11	49.85
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,279.44	59.20
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,479.89	62.31
26 31 00 00-0098		Deka Photovoltaic Batteries *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	304.23	31.21
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	419.28	31.21
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	618.84	31.21
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	708.05	31.21
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	710.40	31.21
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,377.18	31.21
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,593.18	31.21
26 31 00 00-0106		Battery Enclosures *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	344.05	31.16
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,689.44	31.21
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,588.48	31.21
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,116.73	31.21
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	942.83	31.21
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,217.69	31.21
26 31 00 00-0113		Photovoltaic System Monitoring *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	726.14	62.31
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,504.45	31.16
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,256.82	31.16
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	230.93	31.16
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	571.37	62.31
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,479.79	31.16
26 31 00 00-0120	EA	RS 485 Module (SMA)	335.58	31.16
26 31 00 00-0121	EA	RS 232 Module (SMA)	344.05	31.16
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	645.15	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	348.62	31.16
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	346.25	31.16
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	655.04	31.16
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	311.43	9.35
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,022.11	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	653.66	31.16
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	655.46	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	214.03	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	388.60	31.16
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	328.50	31.16
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,295.57	31.16
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	842.10	31.16
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,462.91	31.16
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,515.17	31.16
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	674.39	31.16
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	480.65	31.16
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	316.30	31.16
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,353.18	31.16
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	148.37	31.16
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	468.72	31.16
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	522.24	31.16
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	273.55	62.31
26 31 00 00-0145		Photovoltaic System Accessories *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	996.20	62.31
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,172.11	124.63
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	166.60	9.35
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	251.12	9.35
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	38.19	3.09
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	41.03	3.09
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	42.63	3.09
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	47.07	3.09
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	53.72	3.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	85.25	6.17
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	105.91	6.17
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	138.97	9.25
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	48.18	3.09
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	67.04	3.09
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	98.56	6.17
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	131.84	6.17
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	213.77	12.34
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	223.17	12.34
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	3,977.00	336.49
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	13.52	3.12
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	38.52	15.57
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	48.98	15.57
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	25.95	6.23
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	12.27	4.67
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	26.43	6.23
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	7.07	2.08
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	7.41	2.08
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	18.32	6.23
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	109.31	31.16
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	121.15	31.16
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	130.68	31.16
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	160.52	46.73
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	196.02	46.73
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	228.23	46.73
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	250.85	62.31
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	335.65	62.31
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	471.59	93.47
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	230.21	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	429.25	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	85.68	31.16
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	86.76	31.16
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	87.76	31.16
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	90.25	31.16
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	79.07	31.16
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	80.33	31.16
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	84.00	31.16
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	82.96	31.16
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	165.12	46.73
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	165.88	46.73
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	168.12	46.73
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	165.78	46.73
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	33.12	6.23
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	21.70	6.23
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	41.30	9.35
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	43.01	9.35
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	12.04	2.08
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	55.09	6.23
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.80	

26 32 Packaged Generator Assemblies *(26 30)*

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0825 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 23 13 23 13-0001 for fuel day tank.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	33,867.46	1,079.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
		For Single Phase, Add	*1,266.91*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,619.47	1,140.68
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	37,395.35	1,204.80
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
		For Single Phase, Add	*1,397.02*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,158.03	1,329.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,934.37	1,457.91
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	45,688.39	1,673.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	49,230.17	1,923.63
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	57,840.01	2,254.36
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	62,172.85	2,618.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,595.26	3,104.80
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	70,304.49	3,422.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	73,868.23	3,820.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	78,508.21	4,184.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	84,640.95	4,420.97
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	88,221.40	4,603.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	96,009.52	4,852.95
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,098.94	5,068.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	110,592.31	5,669.65
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	119,061.94	6,209.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	134,426.47	6,688.83
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	141,386.63	7,127.55
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	205,489.37	7,849.76
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*100,069.00*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*120,506.46*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*160,675.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*117,700.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*140,388.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*187,184.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	235,328.62	8,632.71
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*100,069.00*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*120,506.46*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*160,675.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*117,700.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*140,388.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*187,184.28*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	245,742.57	8,821.70
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*100,069.00*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*120,506.46*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*160,675.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*117,700.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*140,388.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*187,184.28*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	299,770.11	9,510.15
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*100,069.00*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*120,506.46*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*160,675.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*117,700.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*140,388.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*187,184.28*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	334,858.03	10,124.37
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*100,069.00*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*120,506.46*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*160,675.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*117,700.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*140,388.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*187,184.28*	

26 32 13 13-0028 Diesel Generator Sets (Generac SD) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with 24 hour run time fuel tank, radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 01 22 23 00-0825 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0029	EA	10 KW, Industrial, Diesel Generator Set (Generac SD)	23,375.41	674.95
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0030	EA	15 KW, Industrial, Diesel Generator Set (Generac SD)	23,817.34	809.95
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0031	EA	20 KW, Industrial, Diesel Generator Set (Generac SD)	24,663.16	904.44
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0032	EA	25 KW, Industrial, Diesel Generator Set (Generac SD)	26,474.78	1,079.93
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0033	EA	30 KW, Industrial, Diesel Generator Set (Generac SD)	27,059.44	1,204.80
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0034	EA	35 KW, Industrial, Diesel Generator Set (Generac SD)	29,999.50	1,329.67
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0035	EA	40 KW, Industrial, Diesel Generator Set (Generac SD)	30,496.91	1,457.91
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0036	EA	50 KW, Industrial, Diesel Generator Set (Generac SD)	31,554.74	1,673.89
		For Steel Weather Protective Housing, Add	*3,299.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*6,109.47*	
26 32 13 13-0037	EA	60 KW, Industrial, Diesel Generator Set (Generac SD)	34,445.60	1,923.63
		For Steel Weather Protective Housing, Add	*3,999.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*8,028.99*	
26 32 13 13-0038	EA	80 KW, Industrial, Diesel Generator Set (Generac SD)	41,491.47	2,254.36
		For Steel Weather Protective Housing, Add	*3,999.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*8,657.84*	
26 32 13 13-0039	EA	100 KW, Industrial, Diesel Generator Set (Generac SD)	43,287.47	2,591.84
		For Steel Weather Protective Housing, Add	*5,931.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,590.02*	
26 32 13 13-0040	EA	135 KW, Industrial, Diesel Generator Set (Generac SD)	53,735.08	3,172.30
		For Steel Weather Protective Housing, Add	*5,931.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,948.93*	
26 32 13 13-0041	EA	150 KW, Industrial, Diesel Generator Set (Generac SD)	56,613.96	3,422.04
		For Steel Weather Protective Housing, Add	*5,931.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,948.93*	
26 32 13 13-0042	EA	180 KW, Industrial, Diesel Generator Set (Generac SD)	64,341.19	3,881.00
		For Steel Weather Protective Housing, Add	*5,931.18*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,948.93*	
26 32 13 13-0043	EA	200 KW, Industrial, Diesel Generator Set (Generac SD)	64,328.48	4,184.74
		For Steel Weather Protective Housing, Add	*7,438.14*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*12,455.89*	
26 32 13 13-0044	EA	230 KW, Industrial, Diesel Generator Set (Generac SD)	77,748.72	4,420.97
		For Steel Weather Protective Housing, Add	*7,438.14*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*20,027.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0045	EA	250 KW, Industrial, Diesel Generator Set (Generac SD)	82,708.04	4,603.21
		For Steel Weather Protective Housing, Add	*7,438.14*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*20,027.99*	
26 32 13 13-0046	EA	275 KW, Industrial, Diesel Generator Set (Generac SD)	84,928.75	4,852.95
		For Steel Weather Protective Housing, Add	*11,330.50*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,920.35*	
26 32 13 13-0047	EA	300 KW, Industrial, Desel Generator Set (Generac SD)	93,091.79	5,068.93
		For Steel Weather Protective Housing, Add	*11,330.50*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,920.35*	
26 32 13 13-0048	EA	350 KW, Industrial, Diesel Generator Set (Generac SD)	101,049.52	5,669.65
		For Steel Weather Protective Housing, Add	*11,330.50*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*24,614.18*	
26 32 13 13-0049	EA	400 KW, Industrial, Diesel Generator Set (Generac SD)	108,563.80	6,074.61
		For Steel Weather Protective Housing, Add	*11,330.50*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*24,614.18*	
26 32 13 13-0050	EA	500 KW, Industrial, Diesel Generator Set (Generac SD)	120,737.48	7,127.55
		For Steel Weather Protective Housing, Add	*18,995.25*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*27,069.23*	
26 32 13 13-0051	EA	600 KW, Industrial, Diesel Generator Set (Generac SD)	162,689.75	7,849.76
		For Steel Weather Protective Housing, Add	*24,733.82*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*38,017.49*	

26 32 13 13-0052 Diesel Generator Sets (Kohler) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277, 416/240 or 380/220 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 01 22 23 00-0825 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0053	EA	80 KW Diesel Generator Set, 3 Phase (Kohler 80REOZJ)	31,727.84	2,254.36
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,979.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*12,679.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,392.32*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*24,523.10*	
26 32 13 13-0054	EA	100 KW Diesel Generator Set, 3 Phase (Kohler 100REOZJ)	33,367.30	2,618.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0055	EA	125 KW Diesel Generator Set, 3 Phase (Kohler 125REOZJ)	41,971.99	3,104.80
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0056	EA	150 KW Diesel Generator Set, 3 Phase (Kohler 150REOZJ)	43,400.18	3,422.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0057	EA	200 KW Diesel Generator Set, 3 Phase (Kohler 200REOZJ)	51,618.84	4,184.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,553.42*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,557.74*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,076.98*	
26 32 13 13-0058	EA	250 KW Diesel Generator Set, 3 Phase (Kohler 250REOZJ)	64,047.00	4,603.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0059	EA	300 KW Diesel Generator Set, 3 Phase (Kohler 300REOZJ)	70,202.90	5,068.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0060	EA	350 KW Diesel Generator Set, 3 Phase (Kohler 350REOZJ)	77,712.97	5,669.65
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0061	EA	400 KW Diesel Generator Set, 3 Phase (Kohler 400REOZJ)	82,619.44	6,209.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0062	EA	500 KW Diesel Generator Set, 3 Phase (Kohler 500REOZJ)	97,769.08	7,127.55
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*48,985.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*54,241.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*72,322.00*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*59,412.42*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*66,303.29*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*88,404.38*	
26 32 13 13-0063	EA	600 KW Diesel Generator Set, 3 Phase (Kohler 600REOZJ)	121,048.08	7,849.76
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*100,069.00*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*120,506.46*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*160,675.28*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*117,700.64*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*140,388.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*187,184.28*	
26 32 13 13-0064	EA	1,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	466,172.87	10,461.84
26 32 13 13-0065	EA	1,500 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	476,455.65	10,799.32
26 32 13 13-0066	EA	1,750 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	557,377.14	11,136.80
26 32 13 13-0067	EA	2,000 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	657,166.80	11,474.27
26 32 13 13-0068	EA	2,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	748,305.99	11,811.76
26 32 13 13-0069	EA	2,500 KW Diesel Generator Set, 3 Phase (Kohlar REOZDB)	942,988.64	12,149.24
26 32 13 13-0070	EA	2,800 KW Diesel Generator Set, 3 Phase (Kohlar REOZDB)	1,137,671.27	12,486.71
26 32 13 13-0071	EA	3,000 KW Diesel Generator Set, 3 Phase (Kohlar REOZD)	1,301,601.28	13,161.67
26 32 13 13-0072	EA	3,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZD)	1,389,444.62	13,836.63
26 32 13 13-0073	EA	4,000 KW Diesel Generator Set, 3 Phase (Caterpillar C175)	2,027,843.02	15,861.50

26 32 13 13-0074 Diesel Generator Sets (Taylor) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0075	EA	9 KW Diesel Generator Set, 3 Phase (Taylor TD9)	23,516.93	809.14
26 32 13 13-0076	EA	13 KW Diesel Generator Set, 3 Phase (Taylor TD13)	24,180.38	912.68
26 32 13 13-0077	EA	20 KW Diesel Generator Set, 3 Phase (Taylor TD20)	25,303.93	1,018.51
26 32 13 13-0078	EA	28 KW Diesel Generator Set, 3 Phase (Taylor TD28)	28,097.92	1,142.44
26 32 13 13-0079	EA	30 KW Diesel Generator Set, 3 Phase (Taylor TD30)	29,394.83	1,204.80
26 32 13 13-0080	EA	55 KW Diesel Generator Set, 3 Phase (Taylor TD55)	32,939.07	1,798.76
26 32 13 13-0081	EA	60 KW Diesel Generator Set, 3 Phase (Taylor TD60)	35,718.44	1,923.63
26 32 13 13-0082	EA	80 KW Diesel Generator Set, 3 Phase (Taylor TD80)	38,389.00	2,254.36
26 32 13 13-0083	EA	100 KW Diesel Generator Set, 3 Phase (Taylor TD100)	39,887.51	2,618.84
26 32 13 13-0084	EA	125 KW Diesel Generator Set, 3 Phase (Taylor TD125)	53,005.12	3,104.80
26 32 13 13-0085	EA	140 KW Diesel Generator Set, 3 Phase (Taylor TD140)	53,906.36	3,263.42
26 32 13 13-0086	EA	150 KW Diesel Generator Set, 3 Phase (Taylor TD150)	54,862.46	3,422.04
26 32 13 13-0087	EA	175 KW Diesel Generator Set, 3 Phase (Taylor TD175)	58,457.92	3,820.26
26 32 13 13-0088	EA	200 KW Diesel Generator Set, 3 Phase (Taylor TD200)	61,149.65	4,184.74
26 32 13 13-0089	EA	250 KW Diesel Generator Set, 3 Phase (Taylor TD250)	74,135.96	4,603.21
26 32 13 13-0090	EA	300 KW Diesel Generator Set, 3 Phase (Taylor TD300)	83,983.01	5,068.93
26 32 13 13-0091	EA	350 KW Diesel Generator Set, 3 Phase (Taylor TD350)	91,693.76	5,669.65
26 32 13 13-0092	EA	400 KW Diesel Generator Set, 3 Phase (Taylor TD400)	94,123.21	6,209.61
26 32 13 13-0093	EA	450 KW Diesel Generator Set, 3 Phase (Taylor TD450)	101,573.68	6,688.83
26 32 13 13-0094	EA	500 KW Diesel Generator Set, 3 Phase (Taylor TD500)	106,793.36	7,127.55
26 32 13 13-0095	EA	550 KW Diesel Generator Set, 3 Phase (Taylor TD550)	109,849.39	7,488.66
26 32 13 13-0096	EA	600 KW Diesel Generator Set, 3 Phase (Taylor TD600)	135,157.31	7,849.76

26 32 13 13-0097 Diesel Particulate Filters *(26 32 13 13)*

26 32 13 13-0098	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	36,189.96	
26 32 13 13-0099	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	47,311.02	
26 32 13 13-0100	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	57,325.26	
26 32 13 13-0101	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	70,321.20	
26 32 13 13-0102	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	82,660.58	
26 32 13 13-0103	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	103,262.08	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0104		Fuel Level Alarm And Float Switch *(26 32 13 13)*		
26 32 13 13-0105	EA	Liquid Level Tank Alarm and 3 Level Float Switch (Cummins)	6,104.52	
26 32 13 19		**Natural Gas-Engine-Driven Generator Sets** *(26 32 13)*		
26 32 13 19-0001		Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental.		
26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,116.89	904.44
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,905.54*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,138.76*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,081.35	1,079.93
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,905.54*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,138.76*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	19,716.92	1,201.43
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,905.54*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,138.76*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,367.71	1,329.67
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,103.17	1,457.91
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,206.99	1,572.66
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	29,783.28	1,923.63
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	31,966.30	2,153.11
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	41,923.46	2,301.61
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	50,505.71	2,591.84
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	57,853.68	3,104.80
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	68,744.32	3,422.04
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	111,076.35	9,102.34
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	126,083.10	4,110.49
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	135,596.62	4,603.21
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	175,300.45	5,068.93
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	188,182.58	5,669.65
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	264,292.42	6,688.83
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*96,190.08*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*102,201.24*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*136,268.32*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*109,255.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*154,415.60*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	337,909.94	7,127.55
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*96,190.08*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*102,201.24*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*136,268.32*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*109,255.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*154,415.60*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	378,079.06	7,512.28
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*96,190.08*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*102,201.24*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*136,268.32*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*109,255.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*154,415.60*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	430,595.07	7,849.76
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*96,190.08*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*102,201.24*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*136,268.32*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*109,255.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*154,415.60*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	450,228.13	8,146.73
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*96,190.08*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*102,201.24*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*136,268.32*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*109,255.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*154,415.60*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	476,220.46	8,706.95
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*96,190.08*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*102,201.24*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*136,268.32*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*109,255.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*154,415.60*	

26 32 13 19-0025 Natural Gas Or Propane Generator Sets (Generac QTA) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 01 22 23 00-0825 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0026	EA	25 KW, Commercial, Natural Gas Generator Set (Generac QTA)	18,281.16	1,079.93
		For Steel Weather Protective Housing, Add	*1,246.36*	
		For Aluminum Weather Protective Housing, Add	*1,935.52*	
26 32 13 19-0027	EA	55 KW, Commercial, Natural Gas Generator Set (Generac QTA)	27,151.39	1,802.13
		For Steel Weather Protective Housing, Add	*1,767.56*	
		For Aluminum Weather Protective Housing, Add	*2,274.43*	
26 32 13 19-0028	EA	70 KW, Commercial, Natural Gas Generator Set (Generac QTA)	30,481.02	2,153.11
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Aluminum Weather Protective Housing, Add	*2,272.43*	
26 32 13 19-0029	EA	80 KW, Commercial, Natural Gas Generator Set (Generac QTA)	32,091.82	2,254.36
		For Steel Weather Protective Housing, Add	*1,767.56*	
		For Aluminum Weather Protective Housing, Add	*2,661.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0030	EA	100 KW, Commercial, Natural Gas Generator Set (Generac QTA)	39,214.49	2,591.84
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Aluminum Weather Protective Housing, Add	*2,449.39*	
26 32 13 19-0031	EA	130 KW, Commercial, Natural Gas Generator Set (Generac QTA)	45,326.15	3,091.30
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Aluminum Weather Protective Housing, Add	*2,016.50*	
26 32 13 19-0032	EA	150 KW, Commercial, Natural Gas Generator Set (Generac QTA)	51,177.32	3,422.04
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Aluminum Weather Protective Housing, Add	*1,963.51*	

26 32 13 19-0033 Natural Gas Or Propane Generator Sets (Generac SG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 01 22 23 00-0825 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0034	EA	35 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	21,531.62	1,329.67
		For Steel Weather Protective Housing, Add	*3,799.05*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,803.30*	
26 32 13 19-0035	EA	40 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	24,176.49	1,457.91
		For Steel Weather Protective Housing, Add	*3,799.05*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,803.30*	
26 32 13 19-0036	EA	45 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	25,169.79	1,572.66
		For Steel Weather Protective Housing, Add	*3,799.05*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,803.30*	
26 32 13 19-0037	EA	70 KW, Industrial, Natural Gas Generator Set (Generac SG)	33,499.93	2,153.11
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,500.62*	
26 32 13 19-0038	EA	100 KW, Industrial, Natural Gas Generator Set (Generac SG)	39,968.97	2,591.84
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,500.62*	
26 32 13 19-0039	EA	130 KW, Industrial, Natural Gas Generator Set (Generac SG)	48,280.08	3,091.30
		For Steel Weather Protective Housing, Add	*2,286.10*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,500.62*	
26 32 13 19-0040	EA	150 KW, Industrial, Natural Gas Generator Set (Generac SG)	80,316.70	3,422.04
		For Steel Weather Protective Housing, Add	*9,997.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*18,225.44*	
26 32 13 19-0041	EA	175 KW, Industrial, Natural Gas Generator Set (Generac SG)	89,289.10	3,820.26
		For Steel Weather Protective Housing, Add	*9,997.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*18,225.44*	
26 32 13 19-0042	EA	200 KW, Industrial, Natural Gas Generator Set (Generac SG)	94,548.92	4,184.74
		For Steel Weather Protective Housing, Add	*9,997.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*18,225.44*	
26 32 13 19-0043	EA	250 KW, Industrial, Natural Gas Generator Set (Generac SG)	136,188.67	4,603.21
		For Steel Weather Protective Housing, Add	*9,997.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*18,225.44*	
26 32 13 19-0044	EA	275 KW, Industrial, Natural Gas Generator Set (Generac SG)	138,901.58	4,852.95
		For Steel Weather Protective Housing, Add	*9,997.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*18,225.44*	
26 32 13 19-0045	EA	300 KW, Industrial, Natural Gas Generator Set (Generac SG)	141,673.98	5,068.93
		For Steel Weather Protective Housing, Add	*9,997.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*18,225.44*	

26 32 13 19-0046 Natural Gas Or Propane Generator Sets (Taylor) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0047	EA	30 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG30)	25,629.14	1,204.80
26 32 13 19-0048	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG40)	27,923.44	1,444.41
26 32 13 19-0049	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG60)	29,146.46	1,923.63
26 32 13 19-0050	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG80)	43,490.21	2,254.36
26 32 13 19-0051	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG100)	47,359.82	2,618.84
26 32 13 19-0052	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG125)	62,016.83	3,104.80
26 32 13 19-0053	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG150)	64,987.66	3,422.04
26 32 13 19-0054	EA	200 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG200)	107,116.64	4,184.74
26 32 13 19-0055	EA	250 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG250)	149,526.39	4,603.21
26 32 13 19-0056	EA	350 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG350)	182,261.76	5,669.65
26 32 13 19-0057	EA	400 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG400)	217,164.67	6,209.61

26 32 13 19-0058 Natural Gas Or Propane Generator Sets (Kohler KG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0804 for loadbank rental, 01 22 23 00-0825 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0059	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG40)	20,950.38	1,457.91
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0060	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG45)	22,129.81	1,572.66
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0061	EA	50 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG50)	23,827.35	1,687.39
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0062	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG60)	25,077.05	1,923.63
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,529.28*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*11,718.62*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*15,624.82*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*13,875.82*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0063	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG80)	30,124.99	2,301.61
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0064	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG100)	33,943.86	2,591.84
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0065	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG125)	38,582.46	3,104.80
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0066	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG150)	46,158.37	3,422.04
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,254.88*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*17,916.75*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*23,889.00*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,268.20*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,289.74*	
26 32 13 19-0067	EA	180 KW Natural Gas Generator Set, 3 Phase (Kohler KG180)	67,110.69	9,102.34
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	
26 32 13 19-0068	EA	200 KW Natural Gas Generator Set, 3 Phase (Kohler KG200)	76,320.03	4,110.49
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*44,052.38*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*48,764.56*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*65,019.42*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*48,165.88*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*72,277.86*	

26 32 13 19-0069 Small Natural Gas Or Propane Air Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0070	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set	5,122.73	575.60
		Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0071	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set	6,461.60	639.56
		Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 19-0072	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set	7,453.26	703.51
		Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,839.44	249.26
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,988.10	249.26
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,885.36	249.26
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,010.43	249.26
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	17,770.55	311.57
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,246.87	311.57
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,154.73	311.57
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	24,541.11	411.27
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	27,278.08	411.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0011		60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*		
26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,394.96	249.26
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,590.75	249.26
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,546.92	249.26
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,978.69	249.26
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,097.21	311.57
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,904.43	311.57
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,561.99	311.57
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	24,443.54	411.27
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,932.59	411.27
26 32 29 00-0021		460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*		
26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,365.08	4,724.71
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	31,420.56	4,724.71
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	35,718.17	6,749.58
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	41,719.07	6,749.58
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	47,384.17	6,749.58
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	55,576.17	10,124.37
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	67,294.15	10,124.37
26 32 29 00-0029		4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*		
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	98,666.92	13,499.16
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	107,498.52	13,499.16
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	129,344.24	17,548.90
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	147,008.28	21,328.66
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	174,224.56	21,328.66
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	247,191.03	31,857.99
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	255,619.50	31,857.99
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	294,437.18	37,122.67
26 33		**Battery Equipment** *(26 30)*		
26 33 13		**Batteries** *(26 33)*		
26 33 13 00-0001		Standby Batteries *(26 33 13)*		
26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,205.20	31.21
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,302.05	31.21
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	398.19	31.21
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	361.26	31.21
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	624.58	31.21
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	726.62	31.21
26 33 43		**Battery Chargers** *(26 33)*		
26 33 43 00-0001		Solid State Chargers, Single Phase *(26 33 43)* Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,423.13	711.65
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,998.28	711.65
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,401.86	711.65
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,656.29	842.59
26 33 53		**Static Uninterruptible Power Supply** *(26 33)*		
26 33 53 00-0001		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*		
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,154.50	123.39
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,378.60	143.95
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,697.49	164.50
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,071.51	185.07
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,653.85	205.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,262.81	246.76
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,184.94	246.76
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,448.73	329.02
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	7,053.57	370.15
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,533.49	452.40
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	12,104.81	493.52
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,378.60	143.95
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,697.49	164.50
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,094.51	185.07
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,659.40	205.63
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,280.09	246.76
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,188.68	329.02
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,594.23	370.15
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	11,733.06	493.52
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	758.07	37.39
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	991.99	37.39
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	965.95	37.39
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	657.30	37.39
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	983.40	123.39
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,108.03	164.50
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0034		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery** *(26 33 53 00-0033)*		
		Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	41,868.81	493.52
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	46,365.64	658.03
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	51,837.67	822.54
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	56,236.98	987.05
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	67,657.73	1,151.56
26 33 53 00-0040		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	91,815.92	1,962.88
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	99,895.45	2,430.23
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	110,503.65	2,835.28
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	136,384.46	3,209.16
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	141,629.06	3,583.04
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	147,214.80	3,956.92
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	153,970.79	4,330.80
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	160,726.78	4,704.68
26 33 53 00-0049		**480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	85,700.50	1,620.15
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	111,088.77	2,847.74
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	151,764.27	3,290.16
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	178,717.81	3,614.20
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	208,987.03	3,988.07
26 33 53 00-0055		**Optional Accessories For Three Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	678.65	62.31
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,089.06	62.31
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,101.67	124.63
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,559.58	498.51
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	637.02	62.31
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	347.68	62.31
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	389.90	62.31
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	432.12	62.31
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	508.12	62.31
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	533.45	62.31
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	664.33	62.31
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	696.00	62.31
26 33 53 00-0068		**Other Uninterruptable Power Supply Equipment** *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,239.33	113.86
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,503.55	227.72
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	32.32	6.83
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	58.54	8.54
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	110.36	8.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	161.67	11.39
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	230.08	11.39
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,270.01	113.86
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,414.55	85.40

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001 Power Factor Correction Capacitors *(26 35 33 16)*

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	911.11	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,009.07	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,107.04	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,201.09	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,475.40	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,802.62	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	2,784.26	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	3,381.87	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	4,369.39	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	4,968.95	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	8,719.18	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	13,110.12	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	17,481.47	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	811.18	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	721.17	124.63
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,255.53	149.55
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,439.56	199.41
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,976.49	249.26
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,722.20	324.03
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,517.59	398.81
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,412.35	473.59
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,381.53	535.90
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,251.71	648.06
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,158.92	729.07
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,066.13	810.08
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,017.23	978.32
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,024.24	1,177.73
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	16,516.00	1,433.21
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	18,889.89	1,676.24
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	24,343.62	1,869.41
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	37,262.14	2,118.66
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	55,645.46	2,367.92

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,341.72	1,981.58
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,372.90	2,492.55
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,322.44	2,966.14

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,372.03	218.10
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,599.66	270.94

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,956.31	319.78
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	4,371.40	383.74
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,956.83	447.69
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 12 Enclosure, Add	*1,228.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	6,172.55	511.65
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,663.62	575.60
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	8,619.30	639.56
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	9,590.48	703.51
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	11,283.85	767.47
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	14,946.31	959.34
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	16,785.69	1,151.21
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	22,339.21	1,619.89
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 12 Enclosure, Add	*2,149.77*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,508.85	447.69
		For Level 2 Controller, Add	*202.54*	
		For Level 3 Controller, Add	*418.16*	
		For Level 4 Controller, Add	*607.63*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,787.35	575.60
		For Level 2 Controller, Add	*281.80*	
		For Level 3 Controller, Add	*581.78*	
		For Level 4 Controller, Add	*845.40*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,670.94	767.47
		For Level 2 Controller, Add	*475.54*	
		For Level 3 Controller, Add	*981.76*	
		For Level 4 Controller, Add	*1,426.62*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	12,595.35	959.34
		For Level 2 Controller, Add	*827.44*	
		For Level 3 Controller, Add	*1,708.27*	
		For Level 4 Controller, Add	*2,482.33*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,963.81	319.78
		For Level 2 Controller, Add	*412.63*	
		For Level 3 Controller, Add	*851.88*	
		For Level 4 Controller, Add	*1,237.89*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,878.65	383.74
		For Level 2 Controller, Add	*473.62*	
		For Level 3 Controller, Add	*977.79*	
		For Level 4 Controller, Add	*1,420.85*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	7,214.31	415.72
		For Level 2 Controller, Add	*494.67*	
		For Level 3 Controller, Add	*1,021.26*	
		For Level 4 Controller, Add	*1,484.02*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	7,549.96	447.69
		For Level 2 Controller, Add	*515.73*	
		For Level 3 Controller, Add	*1,064.73*	
		For Level 4 Controller, Add	*1,547.19*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,991.34	511.65
		For Level 2 Controller, Add	*617.52*	
		For Level 3 Controller, Add	*1,274.89*	
		For Level 4 Controller, Add	*1,852.57*	
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 4 Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	10,270.84	575.60
		For Level 2 Controller, Add	*706.77*	
		For Level 3 Controller, Add	*1,459.14*	
		For Level 4 Controller, Add	*2,120.31*	
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 4 Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	11,332.10	639.56
		For Level 2 Controller, Add	*779.11*	
		For Level 3 Controller, Add	*1,608.48*	
		For Level 4 Controller, Add	*2,337.32*	
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 4 Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	11,824.63	703.51
		For Level 2 Controller, Add	*807.36*	
		For Level 3 Controller, Add	*1,666.82*	
		For Level 4 Controller, Add	*2,422.09*	
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 4 Enclosure, Add	*2,149.77*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	13,385.66	767.47
		For Level 2 Controller, Add	*918.43*	
		For Level 3 Controller, Add	*1,896.12*	
		For Level 4 Controller, Add	*2,755.29*	
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 4 Enclosure, Add	*2,149.77*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	18,386.94	959.34
		For Level 2 Controller, Add	*1,276.29*	
		For Level 3 Controller, Add	*2,634.92*	
		For Level 4 Controller, Add	*3,828.87*	
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 4 Enclosure, Add	*2,149.77*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	20,585.30	1,151.21
		For Level 2 Controller, Add	*1,416.92*	
		For Level 3 Controller, Add	*2,925.26*	
		For Level 4 Controller, Add	*4,250.77*	
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 4 Enclosure, Add	*2,456.89*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	26,780.75	1,619.89
		For Level 2 Controller, Add	*1,824.42*	
		For Level 3 Controller, Add	*3,766.55*	
		For Level 4 Controller, Add	*5,473.27*	
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 4 Enclosure, Add	*2,456.89*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	34,922.88	1,754.89
		For Level 2 Controller, Add	*2,434.52*	
		For Level 3 Controller, Add	*5,026.10*	
		For Level 4 Controller, Add	*7,303.55*	
		For NEMA 3R Enclosure, Add	*4,913.75*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*2,303.33*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	37,159.25	2,024.87
		For Level 2 Controller, Add	*2,565.99*	
		For Level 3 Controller, Add	*5,297.52*	
		For Level 4 Controller, Add	*7,697.96*	
		For NEMA 3R Enclosure, Add	*7,984.83*	
		For NEMA 4 Enclosure, Add	*9,827.47*	
		For NEMA 12 Enclosure, Add	*7,984.83*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	42,496.68	2,294.86
		For Level 2 Controller, Add	*2,937.79*	
		For Level 3 Controller, Add	*6,065.12*	
		For Level 4 Controller, Add	*8,813.37*	
		For NEMA 3R Enclosure, Add	*7,984.83*	
		For NEMA 4 Enclosure, Add	*9,827.47*	
		For NEMA 12 Enclosure, Add	*7,984.83*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	51,295.09	2,834.82
		For Level 2 Controller, Add	*3,535.97*	
		For Level 3 Controller, Add	*7,300.07*	
		For Level 4 Controller, Add	*10,607.91*	
		For NEMA 3R Enclosure, Add	*7,984.83*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	89,769.93	3,374.79
		For Level 2 Controller, Add	*6,434.08*	
		For Level 3 Controller, Add	*13,283.26*	
		For Level 4 Controller, Add	*19,302.23*	
		For NEMA 3R Enclosure, Add	*14,802.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0025		Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*		
26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	29,265.74	2,430.32
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*1,891.39*	
		For Level 3 Controller, Add	*3,904.81*	
		For Level 4 Controller, Add	*5,674.18*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	30,538.25	2,558.24
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*1,970.19*	
		For Level 3 Controller, Add	*4,067.48*	
		For Level 4 Controller, Add	*5,910.56*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	32,010.49	2,686.15
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*2,064.46*	
		For Level 3 Controller, Add	*4,262.11*	
		For Level 4 Controller, Add	*6,193.38*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	35,867.28	2,750.10
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*2,353.45*	
		For Level 3 Controller, Add	*4,858.73*	
		For Level 4 Controller, Add	*7,060.34*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	41,599.74	2,814.06
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*2,787.80*	
		For Level 3 Controller, Add	*5,755.46*	
		For Level 4 Controller, Add	*8,363.40*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	50,196.32	2,941.97
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
		For Level 2 Controller, Add	*3,434.21*	
		For Level 3 Controller, Add	*7,089.98*	
		For Level 4 Controller, Add	*10,302.63*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	55,434.99	3,069.88
		For NEMA 3R Enclosure, Add	*2,763.98*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,689.11*	
		For Level 2 Controller, Add	*3,820.38*	
		For Level 3 Controller, Add	*7,887.24*	
		For Level 4 Controller, Add	*11,461.14*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	69,810.42	3,581.53
		For NEMA 3R Enclosure, Add	*2,763.98*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,689.11*	
		For Level 2 Controller, Add	*4,855.17*	
		For Level 3 Controller, Add	*10,023.58*	
		For Level 4 Controller, Add	*14,565.51*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	91,967.52	4,049.74
		For NEMA 3R Enclosure, Add	*12,284.33*	
		For NEMA 4 Enclosure, Add	*15,355.41*	
		For NEMA 12 Enclosure, Add	*12,284.33*	
		For Level 2 Controller, Add	*6,499.77*	
		For Level 3 Controller, Add	*13,418.88*	
		For Level 4 Controller, Add	*19,499.32*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	120,512.38	4,319.73
		For NEMA 3R Enclosure, Add	*26,104.20*	
		For NEMA 4 Enclosure, Add	*26,104.20*	
		For NEMA 12 Enclosure, Add	*24,322.98*	
		For Level 2 Controller, Add	*8,670.15*	
		For Level 3 Controller, Add	*17,899.67*	
		For Level 4 Controller, Add	*26,010.45*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	136,935.99	4,724.71
		For NEMA 3R Enclosure, Add	*26,104.20*	
		For NEMA 4 Enclosure, Add	*26,104.20*	
		For NEMA 12 Enclosure, Add	*24,322.98*	
		For Level 2 Controller, Add	*9,880.21*	
		For Level 3 Controller, Add	*20,397.85*	
		For Level 4 Controller, Add	*29,640.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	220,188.53	5,399.66
		For NEMA 3R Enclosure, Add	*32,246.35*	
		For Level 2 Controller, Add	*16,227.66*	
		For Level 3 Controller, Add	*33,502.27*	
		For Level 4 Controller, Add	*48,682.99*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	237,535.21	6,074.61
		For NEMA 3R Enclosure, Add	*32,246.35*	
		For Level 2 Controller, Add	*17,467.41*	
		For Level 3 Controller, Add	*36,061.76*	
		For Level 4 Controller, Add	*52,402.24*	
26 36 23 00-0039		Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*		
26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	9,838.02	319.78
		For Level 2 Controller, Add	*712.88*	
		For Level 3 Controller, Add	*1,471.75*	
		For Level 4 Controller, Add	*2,138.64*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	10,619.15	383.74
		For Level 2 Controller, Add	*763.51*	
		For Level 3 Controller, Add	*1,576.27*	
		For Level 4 Controller, Add	*2,290.52*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	11,009.01	415.72
		For Level 2 Controller, Add	*788.76*	
		For Level 3 Controller, Add	*1,628.41*	
		For Level 4 Controller, Add	*2,366.29*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	11,398.86	447.69
		For Level 2 Controller, Add	*814.02*	
		For Level 3 Controller, Add	*1,680.56*	
		For Level 4 Controller, Add	*2,442.06*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	13,703.19	511.65
		For Level 2 Controller, Add	*982.69*	
		For Level 3 Controller, Add	*2,028.78*	
		For Level 4 Controller, Add	*2,948.08*	
		For Four Pole Circuit Breaker, Add	*3,838.85*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	17,891.16	575.60
		For Level 2 Controller, Add	*1,297.35*	
		For Level 3 Controller, Add	*2,678.39*	
		For Level 4 Controller, Add	*3,892.04*	
		For Four Pole Circuit Breaker, Add	*3,838.85*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	19,034.08	639.56
		For Level 2 Controller, Add	*1,376.01*	
		For Level 3 Controller, Add	*2,840.79*	
		For Level 4 Controller, Add	*4,128.03*	
		For Four Pole Circuit Breaker, Add	*3,838.85*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	19,774.39	703.51
		For Level 2 Controller, Add	*1,423.47*	
		For Level 3 Controller, Add	*2,938.78*	
		For Level 4 Controller, Add	*4,270.41*	
		For Four Pole Circuit Breaker, Add	*5,220.84*	
		For NEMA 3R Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	22,392.66	767.47
		For Level 2 Controller, Add	*1,616.47*	
		For Level 3 Controller, Add	*3,337.24*	
		For Level 4 Controller, Add	*4,849.42*	
		For Four Pole Circuit Breaker, Add	*5,220.84*	
		For NEMA 3R Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,535.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	27,156.02	959.34
		For Level 2 Controller, Add	*1,955.89*	
		For Level 3 Controller, Add	*4,037.97*	
		For Level 4 Controller, Add	*5,867.68*	
		For Four Pole Circuit Breaker, Add	*5,220.84*	
		For NEMA 3R Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	28,209.85	1,151.21
		For Level 2 Controller, Add	*2,007.83*	
		For Level 3 Controller, Add	*4,145.19*	
		For Level 4 Controller, Add	*6,023.48*	
		For Four Pole Circuit Breaker, Add	*7,447.38*	
		For NEMA 3R Enclosure, Add	*3,439.63*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	33,369.18	1,619.89
		For Level 2 Controller, Add	*2,335.03*	
		For Level 3 Controller, Add	*4,820.70*	
		For Level 4 Controller, Add	*7,005.08*	
		For Four Pole Circuit Breaker, Add	*7,447.38*	
		For NEMA 3R Enclosure, Add	*3,439.63*	
		For NEMA 12 Enclosure, Add	*2,149.77*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	356.25	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,917.54	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	1,059.53	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	241.81	31.16
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	260.02	31.16
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	272.49	37.39
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	224.14	24.92
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	272.49	37.39

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	331.55	31.16
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	354.43	37.39
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	341.96	31.16
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	354.43	37.39

26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	399.19	31.16
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	422.07	37.39
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	371.12	24.92
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	422.07	37.39

26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	469.43	31.16
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	530.02	37.39
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	442.66	24.92

26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	822.68	37.39
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	810.21	31.16
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	822.68	37.39

26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert Interceptor Hybrid.

26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	7,945.15	62.31
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	9,718.35	62.31

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression *(26 43 13)* Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)* Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,840.69	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,238.59	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,175.87	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,203.56	249.26
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,131.13	342.73
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,005.45	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,419.59	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,455.50	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,566.71	249.26
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,691.53	342.73
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,005.45	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,419.59	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,455.44	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,566.71	249.26
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,691.53	342.73
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,170.22	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,602.91	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,737.43	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,932.26	249.26
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,254.20	342.73
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,361.66	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,793.24	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,032.13	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,315.14	249.26
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,047.06	342.73
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0055		NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)* Note: Square D EBA series.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,005.36	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,628.37	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,301.08	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,099.33	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,767.60	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,483.23	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,099.33	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,767.60	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,483.23	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,218.84	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,917.27	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,716.43	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,344.15	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,076.21	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,961.23	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0071		NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,937.10	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,335.01	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,272.29	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,101.86	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,516.00	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,551.91	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,101.86	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,516.00	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,551.85	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,266.64	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,699.32	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,833.84	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,458.07	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,889.65	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,128.54	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,101.77	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,724.78	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,397.49	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,195.74	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,864.01	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,579.64	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,195.74	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,864.01	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,579.64	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,315.25	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,013.68	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,812.84	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,440.56	162.02
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,172.63	186.94
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,057.65	218.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,238.20	278.95
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,344.03	278.95
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,344.03	278.95
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,540.56	278.95
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,540.56	278.95
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,703.83	278.95
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,703.83	278.95
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,327.07	348.70
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,411.73	348.70
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,647.49	418.43
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,865.19	418.43
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,412.44	418.43

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,238.20	278.95
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,344.03	278.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,344.03	278.95
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,540.56	278.95
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,540.56	278.95
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,703.83	278.95
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,703.83	278.95
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,327.07	348.70
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,411.73	348.70
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,647.49	418.43
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,865.19	418.43
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,412.44	418.43
26 43 23 00-0028		IMX Accessories *(26 43 23 00-0001)*		
26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	1,020.51	278.95
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	1,008.42	278.95
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	917.83	278.95
26 43 23 00-0032		Lightning Arrestor And Cutouts *(26 43 23 00-0001)*		
26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	681.87	278.95
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,318.75	278.95
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,238.20	278.95
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	748.39	278.95
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,495.08	278.95
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,540.56	278.95
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	851.80	278.95
26 43 23 00-0040	EA	15 KV Open Fused Cutout	918.11	348.70
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	713.40	278.95
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,589.33	278.95

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	86.85	35.65
		For ICAT Housing, Add	*4.29*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	86.85	35.65
		For ICAT Housing, Add	*4.29*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	92.22	37.39
		For ICAT Housing, Add	*4.66*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	97.76	39.00
		For ICAT Housing, Add	*5.05*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	103.33	40.63
		For ICAT Housing, Add	*5.45*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	105.30	43.12
		For ICAT Housing, Add	*5.22*	
26 51 13 00-0009		Recessed Fixture Trim *(26 51 13 00-0001)*		
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	67.34	17.45
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	74.88	17.45
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	87.94	17.45
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	94.87	17.45
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	74.99	17.45
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	70.94	17.45
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	75.58	17.45
26 51 13 00-0017		Track Lighting *(26 51 13)*		
26 51 13 00-0018		Track Lighting Tracks *(26 51 13 00-0017)*		
26 51 13 00-0019	LF	1 Circuit Track Lighting Track	24.35	8.23
26 51 13 00-0020	LF	2 Circuit Track Lighting Track	31.37	8.23
26 51 13 00-0021	LF	3 Circuit Track Lighting Track	37.37	8.23
26 51 13 00-0022	LF	4 Circuit Track Lighting Track	43.38	9.97
26 51 13 00-0023		Incandescent Track Lighting Fixtures *(26 51 13 00-0017)*		
26 51 13 00-0024	EA	Incandescent Track Lighting Fixture, 120 Volt	87.11	20.81
26 51 13 00-0025	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	59.76	20.81
26 51 13 00-0026	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	81.85	20.81
26 51 13 00-0027	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	84.04	20.81

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 51 13 00-0028		EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	69.76	20.81
	26 51 13 00-0029		EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	59.76	20.81
	26 51 13 00-0030		EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	68.71	20.81
	26 51 13 00-0031		EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	86.23	20.81
	26 51 13 00-0032			Track Lighting Accessories *(26 51 13 00-0017)*		
	26 51 13 00-0033			Pendant Mounting *(26 51 13 00-0032)*		
	26 51 13 00-0034		EA	Track Lighting Pendant Mounting, Up to 12"	27.42	
	26 51 13 00-0035		EA	Track Lighting Pendant Mounting, >12" To 24"	34.87	
	26 51 13 00-0036		EA	Track Lighting Pendant Mounting, >24" To 36"	42.39	
	26 51 13 00-0037			Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*		
	26 51 13 00-0038			Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0037)*		
	26 51 13 00-0039		EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	133.18	49.85
				For Wall Mounted, Add	*5.10*	
	26 51 13 00-0040		EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	151.61	49.85
				For Wall Mounted, Add	*5.10*	
26 51 16				**Fluorescent Interior Lighting** *(26 51)*		
	26 51 16 00-0001			Fluorescent Fixtures *(26 51 16)*		
	26 51 16 00-0002			Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
	26 51 16 00-0003			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
	26 51 16 00-0004		EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	192.40	35.64
	26 51 16 00-0005		EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	216.43	35.64
	26 51 16 00-0006			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
	26 51 16 00-0007		EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	217.62	37.12
	26 51 16 00-0008		EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	244.00	37.12
	26 51 16 00-0009			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
	26 51 16 00-0010		EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	259.93	41.67
	26 51 16 00-0011		EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	308.99	41.67
	26 51 16 00-0012		EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	362.97	41.67
	26 51 16 00-0013			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
	26 51 16 00-0014		EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	210.89	45.54
	26 51 16 00-0015		EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	244.34	45.54
	26 51 16 00-0016			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
	26 51 16 00-0017		EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	332.63	53.06
	26 51 16 00-0018		EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	358.36	53.06
	26 51 16 00-0019		EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	407.34	53.06
	26 51 16 00-0020			Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes prismatic lens.		
	26 51 16 00-0021			1' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
	26 51 16 00-0022		EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	258.47	41.33
	26 51 16 00-0023		EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	422.13	41.33
	26 51 16 00-0024		EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	481.97	41.33
	26 51 16 00-0025			2' x 2', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
	26 51 16 00-0026		EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	405.49	45.54
	26 51 16 00-0027		EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	443.18	45.54
	26 51 16 00-0028		EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	470.35	45.54
	26 51 16 00-0029			2' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		
	26 51 16 00-0030		EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	410.95	53.06
	26 51 16 00-0031		EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	451.20	53.06
	26 51 16 00-0032		EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	473.37	53.06
	26 51 16 00-0033		EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	507.10	53.06
	26 51 16 00-0034			4' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0020)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	817.98	68.32
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	831.53	68.32
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	656.27	68.32
26 51 16 00-0038		Recessed Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0039		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0040		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	368.02	35.64
		For Drywall Or Plaster Ceilings, Add	*24.08*	
26 51 16 00-0042		1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	486.86	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	911.87	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0045		2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	492.27	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	567.43	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	573.16	45.54
		For Drywall Or Plaster Ceilings, Add	*30.75*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	618.81	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0050		2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	470.55	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	670.31	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	677.08	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	757.44	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	644.38	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	895.48	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	911.40	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0058		Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0059		1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*		
26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	436.52	35.64
		For Drywall Or Plaster Ceilings, Add	*24.08*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	442.24	35.64
		For Drywall Or Plaster Ceilings, Add	*24.08*	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	522.19	35.64
		For Drywall Or Plaster Ceilings, Add	*24.08*	
26 51 16 00-0063		1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	497.04	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	503.82	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	571.57	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0067		2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*		
26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	508.39	45.54
		For Drywall Or Plaster Ceilings, Add	*30.75*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	514.11	45.54
		For Drywall Or Plaster Ceilings, Add	*30.75*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	592.83	45.54
		For Drywall Or Plaster Ceilings, Add	*30.75*	
26 51 16 00-0071		2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*		
26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	470.55	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	

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26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	555.56	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	636.26	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	724.04	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0076		Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0077		1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*		
26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	962.54	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	969.32	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,147.23	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,163.15	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0082		2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*		
26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	753.95	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	844.03	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,039.23	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0086		2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	845.38	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,052.56	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,122.38	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,234.24	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0091		Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0092		1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	745.47	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	997.63	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0095		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	741.09	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	853.84	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0098		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	822.16	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	824.04	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0101		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0102		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	689.20	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0104		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	657.27	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0106		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	797.69	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	616.92	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	918.57	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	654.94	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
26 51 16 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	656.45	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	816.92	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	830.37	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	851.33	53.06
		For Drywall Or Plaster Ceilings, Add	*35.87*	
26 51 16 00-0119		Striplight Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	268.30	34.15
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	334.05	34.15
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	325.98	37.91
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	331.64	41.67
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	406.10	49.36
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	330.61	37.91
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	338.48	41.67
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	344.11	45.54
26 51 16 00-0130		3 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	495.92	37.91
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	475.18	41.67
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	480.79	45.54
26 51 16 00-0134		Display Case Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	179.30	37.39
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	243.32	37.39
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	262.59	43.62
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	271.69	43.62
26 51 16 00-0139		Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	397.14	34.15
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	416.81	41.67
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	782.29	53.06
26 51 16 00-0144		2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	408.55	37.91
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	429.29	45.54
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	795.84	53.06
26 51 16 00-0148		3 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	425.40	37.91
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	444.42	45.54
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	683.21	53.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0152		4 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	621.54	45.54
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	919.44	53.06
26 51 16 00-0155		Flanged Fluorescent Fixture *(26 51 16 00-0001)* Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	574.96	68.32
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	693.07	68.32
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	699.84	68.32
26 51 16 00-0159		Undercabinet Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	205.63	30.75
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	238.38	37.57
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	234.15	37.57
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	285.50	40.99
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	331.81	47.82
26 51 16 00-0165		Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	259.00	34.15
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	289.02	34.15
26 51 16 00-0169		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	295.80	35.87
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	324.46	35.87
26 51 16 00-0172		4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	291.56	37.57
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	321.31	37.57
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0175)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	246.59	57.33
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	251.46	57.33
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	320.91	57.33
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	327.72	57.33
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	332.40	57.33
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	337.28	57.33
26 51 16 00-0186		Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0175)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	671.85	57.33
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	676.73	57.33
26 51 16 00-0190		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	525.38	57.33
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	532.19	57.33
26 51 16 00-0193		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	608.38	57.33
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	613.26	57.33
26 51 16 00-0196		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0175)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0197		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	235.92	57.33
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	240.80	57.33
26 51 16 00-0200		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	237.86	57.33
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	244.66	57.33
26 51 16 00-0203		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	227.75	57.33
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	232.63	57.33
26 51 16 00-0206		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	284.74	41.67
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	290.44	45.54
26 51 16 00-0209		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0210		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0211		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0210)*		
26 51 16 00-0212	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	213.13	49.85
26 51 16 00-0213	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	260.45	49.85
26 51 16 00-0214		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0215		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0214)*		
26 51 16 00-0216	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	171.33	49.85
26 51 16 00-0217	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	189.10	49.85
26 51 16 00-0218		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0214)*		
26 51 16 00-0219	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	275.85	49.85
26 51 16 00-0220	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	406.12	49.85
26 51 16 00-0221	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	496.38	49.85
26 51 16 00-0222	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	318.05	49.85
26 51 16 00-0223	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	408.79	49.85
26 51 16 00-0224	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	496.38	49.85
26 51 16 00-0225		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0226		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0225)*		
26 51 16 00-0227	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	280.14	49.85
26 51 16 00-0228	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	375.13	49.85
26 51 16 00-0229	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	456.22	49.85
26 51 16 00-0230	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	219.11	49.85
26 51 16 00-0231	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	268.80	49.85
26 51 16 00-0232	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	362.96	49.85
26 51 16 00-0233		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0209)*		
26 51 16 00-0234		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0233)*		
26 51 16 00-0235	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	465.61	40.95
26 51 16 00-0236		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0233)*		
26 51 16 00-0237	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	537.64	40.95
26 51 16 00-0238	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	770.04	40.95
26 51 16 00-0239		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0240	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	304.50	40.95
26 51 16 00-0241	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	323.07	40.95
26 51 16 00-0242	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	386.78	40.95
26 51 16 00-0243	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	403.08	40.95
26 51 16 00-0244	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	481.26	40.95
26 51 16 00-0245	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	573.80	40.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0246		Finelite Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0247		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 16 00-0246)*		
26 51 16 00-0248	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	518.71	58.07
		For Dual Circuit, Add	*129.44*	
26 51 16 00-0249	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	516.60	58.07
		For Dual Circuit, Add	*128.81*	
26 51 16 00-0250	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	558.92	58.07
		For Dual Circuit, Add	*141.50*	
26 51 16 00-0251	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	624.86	58.07
		For Dual Circuit, Add	*161.29*	
26 51 16 00-0252	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	684.46	58.07
		For Dual Circuit, Add	*179.17*	
26 51 16 00-0253	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	841.82	58.07
		For Dual Circuit, Add	*226.37*	
26 51 16 00-0254	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	741.29	60.57
		For Dual Circuit, Add	*146.60*	
26 51 16 00-0255	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	763.73	60.57
		For Dual Circuit, Add	*151.65*	
26 51 16 00-0256	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	848.39	60.57
		For Dual Circuit, Add	*170.70*	
26 51 16 00-0257	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	811.38	60.57
		For Dual Circuit, Add	*162.37*	
26 51 16 00-0258	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,019.46	60.57
		For Dual Circuit, Add	*209.19*	
26 51 16 00-0259	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,200.87	60.57
		For Dual Circuit, Add	*250.01*	
26 51 16 00-0260	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	981.66	63.07
		For Dual Circuit, Add	*133.41*	
26 51 16 00-0261	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,019.77	63.07
		For Dual Circuit, Add	*139.13*	
26 51 16 00-0262	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,128.98	63.07
		For Dual Circuit, Add	*155.51*	
26 51 16 00-0263	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,131.24	63.07
		For Dual Circuit, Add	*155.85*	
26 51 16 00-0264	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,398.91	63.07
		For Dual Circuit, Add	*196.00*	
26 51 16 00-0265	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,675.47	63.07
		For Dual Circuit, Add	*237.49*	
26 51 16 00-0266		Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0246)*		
26 51 16 00-0267	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	523.37	58.07
		For Dual Circuit, Add	*130.84*	
26 51 16 00-0268	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	570.47	58.07
		For Dual Circuit, Add	*144.97*	
26 51 16 00-0269	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	569.29	58.07
		For Dual Circuit, Add	*144.62*	
26 51 16 00-0270	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	771.43	60.57
		For Dual Circuit, Add	*153.38*	
26 51 16 00-0271	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	825.83	60.57
		For Dual Circuit, Add	*165.62*	
26 51 16 00-0272	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	823.48	60.57
		For Dual Circuit, Add	*165.09*	
26 51 16 00-0273	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,019.51	63.07
		For Dual Circuit, Add	*139.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0274	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,160.80	63.07
		For Dual Circuit, Add	*160.29*	
26 51 16 00-0275	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,157.28	63.07
		For Dual Circuit, Add	*159.76*	
26 51 16 00-0276		**Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8)** *(26 51 16 00-0246)*		
26 51 16 00-0277	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	398.44	58.07
		For Dual Circuit, Add	*93.36*	
26 51 16 00-0278	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	420.47	58.07
		For Dual Circuit, Add	*99.97*	
26 51 16 00-0279	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	498.45	58.07
		For Dual Circuit, Add	*123.36*	
26 51 16 00-0280	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	522.13	60.57
		For Dual Circuit, Add	*97.29*	
26 51 16 00-0281	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	617.05	60.57
		For Dual Circuit, Add	*118.65*	
26 51 16 00-0282	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	729.77	60.57
		For Dual Circuit, Add	*144.01*	
26 51 16 00-0283	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	722.11	63.07
		For Dual Circuit, Add	*94.48*	
26 51 16 00-0284	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	884.84	63.07
		For Dual Circuit, Add	*118.89*	
26 51 16 00-0285	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,057.73	63.07
		For Dual Circuit, Add	*144.83*	
26 51 16 00-0286		**Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0287	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	139.67	35.65
		For ICAT Housing, Add	*11.10*	
26 51 16 00-0288	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	144.36	35.65
		For ICAT Housing, Add	*11.71*	
26 51 16 00-0289	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	150.41	37.26
		For ICAT Housing, Add	*12.17*	
26 51 16 00-0290	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	158.06	38.63
		For ICAT Housing, Add	*12.83*	
26 51 16 00-0291	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	164.75	40.63
		For ICAT Housing, Add	*13.37*	
26 51 16 00-0292	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	170.62	43.12
		For ICAT Housing, Add	*13.65*	
26 51 16 00-0293		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0294	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	159.85	35.65
		For ICAT Housing, Add	*13.71*	
26 51 16 00-0295	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	164.47	35.65
		For ICAT Housing, Add	*14.30*	
26 51 16 00-0296	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	170.66	37.39
		For ICAT Housing, Add	*14.78*	
26 51 16 00-0297	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	175.66	39.00
		For ICAT Housing, Add	*15.10*	
26 51 16 00-0298	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	181.40	40.63
		For ICAT Housing, Add	*15.52*	
26 51 16 00-0299	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	186.92	43.12
		For ICAT Housing, Add	*15.75*	
26 51 16 00-0300		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0301	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	297.93	20.81
26 51 16 00-0302	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	306.69	20.81
26 51 16 00-0303	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	312.16	20.81
26 51 16 00-0304	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	195.42	20.81
26 51 16 00-0305	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	333.86	20.81
26 51 16 00-0306		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0307	EA	Compact Fluorescent Track Lighting Fixture	102.32	20.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0308		Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 16)*		
26 51 16 00-0309	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	142.69	49.85
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0310	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	146.32	49.85
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0311	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	155.28	49.85
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0312		Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0313		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0312)*		
26 51 16 00-0314		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) *(26 51 16 00-0313)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0315	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	319.51	53.06
		For T5 Fixture Instead Of T8, Add	*27.46*	
26 51 16 00-0316	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	335.17	53.06
		For T5 Fixture Instead Of T8, Add	*29.25*	
26 51 16 00-0317	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	527.03	53.06
		For T5 Fixture Instead Of T8, Add	*51.22*	
26 51 16 00-0318	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	453.76	53.06
26 51 16 00-0319	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	732.55	53.06
26 51 16 00-0320		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 16 00-0313)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0321	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	368.23	53.06
26 51 16 00-0322	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	372.99	53.06
26 51 16 00-0323	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	544.52	53.06
26 51 16 00-0324	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	449.55	53.06
26 51 16 00-0325	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	470.02	53.06
26 51 16 00-0326		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0312)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0327		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0326)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0328	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	604.97	72.08
		For T5 Fixture Instead Of T8, Add	*56.88*	
26 51 16 00-0329	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	629.66	72.08
		For T5 Fixture Instead Of T8, Add	*59.71*	
26 51 16 00-0330		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0331		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0330)*		
26 51 16 00-0332		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0331)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0333	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	513.47	116.14
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0334	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	537.85	128.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0335	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	609.64	146.88
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0336	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	732.10	154.74
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0337	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	796.94	161.91
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0338	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	452.53	146.88
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0339	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	477.46	154.74
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0340	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	545.98	161.91
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0341		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0330)*		
26 51 16 00-0342		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0341)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0343	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	517.99	116.14
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0344	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	541.87	128.67
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0345	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	616.92	146.88
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0346	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	748.11	154.74
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0347	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	474.56	146.88
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0348	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	522.64	154.74
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0349	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	608.89	161.91
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 19		**LED Interior Lighting** *(26 51)*		
26 51 19 00-0001		LED Fixtures *(26 51 19)*		
26 51 19 00-0002		Undercabinet LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	139.62	30.75
		For >50 To 100, Deduct	*-4.77*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-13.96*	
		For >500, Deduct	*-19.66*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	172.78	37.57
		For >50 To 100, Deduct	*-5.89*	
		For >100 To 250, Deduct	*-10.20*	
		For >250 To 500, Deduct	*-17.28*	
		For >500, Deduct	*-24.35*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	173.96	37.57
		For >50 To 100, Deduct	*-5.91*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-17.40*	
		For >500, Deduct	*-24.53*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	164.49	30.75
		For >50 To 100, Deduct	*-5.39*	
		For >100 To 250, Deduct	*-9.51*	
		For >250 To 500, Deduct	*-16.45*	
		For >500, Deduct	*-23.39*	
26 51 19 00-0007		Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0008		Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*		
		Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI		
26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX)	220.19	34.15
		Note: With integral occupancy sensor		
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX)	226.13	34.15
		Note: With integral occupancy sensor		
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX)	261.29	41.67
		Note: With integral occupancy sensor		
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX)	267.25	41.67
		Note: With integral occupancy sensor		
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX)	273.20	41.67
		Note: With integral occupancy sensor		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	279.14	41.67
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	285.09	41.67
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	364.87	49.30
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	376.77	49.30
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	390.15	49.30
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	402.05	49.30
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	415.43	49.30
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	427.32	49.30

26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	208.11	34.15
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-20.81*	
		For >500, Deduct	*-29.94*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	219.49	41.67
		For >50 To 100, Deduct	*-7.05*	
		For >100 To 250, Deduct	*-12.54*	
		For >250 To 500, Deduct	*-21.95*	
		For >500, Deduct	*-31.36*	
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	237.92	34.15
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-23.79*	
		For >500, Deduct	*-34.41*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	249.30	41.67
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-14.03*	
		For >250 To 500, Deduct	*-24.93*	
		For >500, Deduct	*-35.83*	
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	309.77	41.67
		For >50 To 100, Deduct	*-9.31*	
		For >100 To 250, Deduct	*-17.05*	
		For >250 To 500, Deduct	*-30.98*	
		For >500, Deduct	*-44.90*	

26 51 19 00-0028 Striplight LED Fixtures (Lithonia TZL1D) *(26 51 19 00-0007)*

26 51 19 00-0029	EA	8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI)	417.37	49.30
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-22.72*	
		For >250 To 500, Deduct	*-41.74*	
		For >500, Deduct	*-60.76*	
26 51 19 00-0030	EA	8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI)	417.37	49.30
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-22.72*	
		For >250 To 500, Deduct	*-41.74*	
		For >500, Deduct	*-60.76*	
26 51 19 00-0031	EA	8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI)	417.37	49.30
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-22.72*	
		For >250 To 500, Deduct	*-41.74*	
		For >500, Deduct	*-60.76*	
26 51 19 00-0032	EA	8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI)	417.37	49.30
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-22.72*	
		For >250 To 500, Deduct	*-41.74*	
		For >500, Deduct	*-60.76*	
26 51 19 00-0033	EA	11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI)	439.32	49.30
		For >50 To 100, Deduct	*-12.83*	
		For >100 To 250, Deduct	*-23.82*	
		For >250 To 500, Deduct	*-43.93*	
		For >500, Deduct	*-64.05*	
26 51 19 00-0034	EA	11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI)	439.32	49.30
		For >50 To 100, Deduct	*-12.83*	
		For >100 To 250, Deduct	*-23.82*	
		For >250 To 500, Deduct	*-43.93*	
		For >500, Deduct	*-64.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0035	EA	11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI)	439.32	49.30
		For >50 To 100, Deduct	*-12.83*	
		For >100 To 250, Deduct	*-23.82*	
		For >250 To 500, Deduct	*-43.93*	
		For >500, Deduct	*-64.05*	
26 51 19 00-0036	EA	11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI)	439.32	49.30
		For >50 To 100, Deduct	*-12.83*	
		For >100 To 250, Deduct	*-23.82*	
		For >250 To 500, Deduct	*-43.93*	
		For >500, Deduct	*-64.05*	
26 51 19 00-0037	EA	15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI)	461.39	49.30
		For >50 To 100, Deduct	*-13.39*	
		For >100 To 250, Deduct	*-24.92*	
		For >250 To 500, Deduct	*-46.14*	
		For >500, Deduct	*-67.36*	
26 51 19 00-0038	EA	15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI)	461.39	49.30
		For >50 To 100, Deduct	*-13.39*	
		For >100 To 250, Deduct	*-24.92*	
		For >250 To 500, Deduct	*-46.14*	
		For >500, Deduct	*-67.36*	
26 51 19 00-0039	EA	15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI)	461.39	49.30
		For >50 To 100, Deduct	*-13.39*	
		For >100 To 250, Deduct	*-24.92*	
		For >250 To 500, Deduct	*-46.14*	
		For >500, Deduct	*-67.36*	
26 51 19 00-0040	EA	16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI)	461.39	49.30
		For >50 To 100, Deduct	*-13.39*	
		For >100 To 250, Deduct	*-24.92*	
		For >250 To 500, Deduct	*-46.14*	
		For >500, Deduct	*-67.36*	

26 51 19 00-0041 Striplight LED Fixtures (Lithonia ZL1D) *(26 51 19 00-0007)*

26 51 19 00-0042	EA	1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI)	172.31	34.15
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-17.23*	
		For >500, Deduct	*-24.57*	
26 51 19 00-0043	EA	2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI)	172.31	34.15
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-17.23*	
		For >500, Deduct	*-24.57*	
26 51 19 00-0044	EA	2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI)	172.31	34.15
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-17.23*	
		For >500, Deduct	*-24.57*	
26 51 19 00-0045	EA	2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI)	172.31	34.15
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-17.23*	
		For >500, Deduct	*-24.57*	
26 51 19 00-0046	EA	2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI)	194.37	34.15
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-11.00*	
		For >250 To 500, Deduct	*-19.44*	
		For >500, Deduct	*-27.87*	
26 51 19 00-0047	EA	2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI)	194.37	34.15
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-11.00*	
		For >250 To 500, Deduct	*-19.44*	
		For >500, Deduct	*-27.87*	
26 51 19 00-0048	EA	2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI)	194.37	34.15
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-11.00*	
		For >250 To 500, Deduct	*-19.44*	
		For >500, Deduct	*-27.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0049	EA	2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI)	194.37	34.15
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-11.00*	
		For >250 To 500, Deduct	*-19.44*	
		For >500, Deduct	*-27.87*	
26 51 19 00-0050	EA	4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI)	205.34	34.15
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-20.53*	
		For >500, Deduct	*-29.52*	
26 51 19 00-0051	EA	4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI)	205.34	34.15
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-20.53*	
		For >500, Deduct	*-29.52*	
26 51 19 00-0052	EA	4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI)	205.34	34.15
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-20.53*	
		For >500, Deduct	*-29.52*	
26 51 19 00-0053	EA	4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI)	205.34	34.15
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-20.53*	
		For >500, Deduct	*-29.52*	
26 51 19 00-0054	EA	3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI)	234.31	41.67
		For >50 To 100, Deduct	*-7.42*	
		For >100 To 250, Deduct	*-13.28*	
		For >250 To 500, Deduct	*-23.43*	
		For >500, Deduct	*-33.58*	
26 51 19 00-0055	EA	3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI)	234.31	41.67
		For >50 To 100, Deduct	*-7.42*	
		For >100 To 250, Deduct	*-13.28*	
		For >250 To 500, Deduct	*-23.43*	
		For >500, Deduct	*-33.58*	
26 51 19 00-0056	EA	4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI)	234.31	41.67
		For >50 To 100, Deduct	*-7.42*	
		For >100 To 250, Deduct	*-13.28*	
		For >250 To 500, Deduct	*-23.43*	
		For >500, Deduct	*-33.58*	
26 51 19 00-0057	EA	4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI)	234.31	41.67
		For >50 To 100, Deduct	*-7.42*	
		For >100 To 250, Deduct	*-13.28*	
		For >250 To 500, Deduct	*-23.43*	
		For >500, Deduct	*-33.58*	
26 51 19 00-0058	EA	5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI)	245.28	41.67
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.53*	
		For >500, Deduct	*-35.23*	
26 51 19 00-0059	EA	5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI)	245.28	41.67
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.53*	
		For >500, Deduct	*-35.23*	
26 51 19 00-0060	EA	5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI)	245.28	41.67
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.53*	
		For >500, Deduct	*-35.23*	
26 51 19 00-0061	EA	5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI)	245.28	41.67
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.53*	
		For >500, Deduct	*-35.23*	
26 51 19 00-0062	EA	7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI)	256.26	41.67
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 250, Deduct	*-14.38*	
		For >250 To 500, Deduct	*-25.63*	
		For >500, Deduct	*-36.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0063	EA	7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI)	256.26	41.67
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 250, Deduct	*-14.38*	
		For >250 To 500, Deduct	*-25.63*	
		For >500, Deduct	*-36.87*	
26 51 19 00-0064	EA	7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI)	256.26	41.67
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 250, Deduct	*-14.38*	
		For >250 To 500, Deduct	*-25.63*	
		For >500, Deduct	*-36.87*	
26 51 19 00-0065	EA	7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI)	256.26	41.67
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 250, Deduct	*-14.38*	
		For >250 To 500, Deduct	*-25.63*	
		For >500, Deduct	*-36.87*	
26 51 19 00-0066		Striplight LED Fixtures (Mobern) *(26 51 19 00-0007)*		
26 51 19 00-0067	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	221.68	34.15
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 250, Deduct	*-12.37*	
		For >250 To 500, Deduct	*-22.17*	
		For >500, Deduct	*-31.97*	
26 51 19 00-0068		Striplight LED Fixtures (Eaton) *(26 51 19 00-0007)*		
26 51 19 00-0069	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	281.89	41.67
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-15.66*	
		For >250 To 500, Deduct	*-28.19*	
		For >500, Deduct	*-40.72*	
26 51 19 00-0070	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	265.90	41.67
		For >50 To 100, Deduct	*-8.21*	
		For >100 To 250, Deduct	*-14.86*	
		For >250 To 500, Deduct	*-26.59*	
		For >500, Deduct	*-38.32*	
26 51 19 00-0071	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	281.89	41.67
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-15.66*	
		For >250 To 500, Deduct	*-28.19*	
		For >500, Deduct	*-40.72*	
26 51 19 00-0072		Suspended Linear LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0073		Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD) *(26 51 19 00-0072)*		
26 51 19 00-0074	EA	3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0075	EA	3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0076	EA	3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0077	EA	4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0078	EA	4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0079	EA	4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0080	EA	4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0081	EA	4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0082	EA	5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0083	EA	5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0084	EA	6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0085	EA	6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF)	715.19	41.67
		For >50 To 100, Deduct	*-19.45*	
		For >100 To 250, Deduct	*-37.33*	
		For >250 To 500, Deduct	*-71.52*	
		For >500, Deduct	*-105.71*	
26 51 19 00-0086	EA	6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0087	EA	6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0088	EA	6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0089	EA	8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0090	EA	8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0091	EA	8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0092	EA	9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0093	EA	9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0094	EA	10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0095	EA	11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0096	EA	12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0097	EA	12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF)	1,066.15	49.30
		For >50 To 100, Deduct	*-28.50*	
		For >100 To 250, Deduct	*-55.16*	
		For >250 To 500, Deduct	*-106.62*	
		For >500, Deduct	*-158.07*	
26 51 19 00-0098		Suspended Linear LED Fixtures (Lithonia GRD) *(26 51 19 00-0072)*		
26 51 19 00-0099	EA	24' Length, 8' Sections, 80 CRI, 3,500K, LED Linear Fixture (Lithonia GRD 24FT MSL8 80 CRI 35K ID800LMF 20/80 MIN1 ZT 120 SCT PDT)	1,784.60	187.87
26 51 19 00-0100		Lay-In/Troffer LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0101		Prismatic Lensed, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*		
26 51 19 00-0102		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0101)*		
26 51 19 00-0103	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	595.54	41.33
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.43*	
		For >50 To 100, Deduct	*-16.45*	
		For >100 To 250, Deduct	*-31.34*	
		For >250 To 500, Deduct	*-59.55*	
		For >500, Deduct	*-87.77*	
26 51 19 00-0104	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	327.01	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
		For >50 To 100, Deduct	*-9.88*	
		For >100 To 250, Deduct	*-18.06*	
		For >250 To 500, Deduct	*-32.70*	
		For >500, Deduct	*-47.34*	
26 51 19 00-0105	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	601.17	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.99*	
		For >50 To 100, Deduct	*-17.02*	
		For >100 To 250, Deduct	*-32.05*	
		For >250 To 500, Deduct	*-60.12*	
		For >500, Deduct	*-88.18*	
26 51 19 00-0106		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) *(26 51 19 00-0101)*		
26 51 19 00-0107	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	858.47	41.33
		For >50 To 100, Deduct	*-23.03*	
		For >100 To 250, Deduct	*-44.49*	
		For >250 To 500, Deduct	*-85.85*	
		For >500, Deduct	*-127.21*	
26 51 19 00-0108	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	603.61	45.54
		For >50 To 100, Deduct	*-16.80*	
		For >100 To 250, Deduct	*-31.89*	
		For >250 To 500, Deduct	*-60.36*	
		For >500, Deduct	*-88.83*	
26 51 19 00-0109	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	786.43	53.06
		For >50 To 100, Deduct	*-21.65*	
		For >100 To 250, Deduct	*-41.31*	
		For >250 To 500, Deduct	*-78.64*	
		For >500, Deduct	*-115.97*	
26 51 19 00-0110		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 19 00-0101)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0111	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	397.43	45.54
		For >50 To 100, Deduct	*-11.64*	
		For >100 To 250, Deduct	*-21.58*	
		For >250 To 500, Deduct	*-39.74*	
		For >500, Deduct	*-57.91*	
26 51 19 00-0112	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	439.90	45.54
		For >50 To 100, Deduct	*-12.71*	
		For >100 To 250, Deduct	*-23.70*	
		For >250 To 500, Deduct	*-43.99*	
		For >500, Deduct	*-64.28*	
26 51 19 00-0113	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	374.08	45.54
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-20.41*	
		For >250 To 500, Deduct	*-37.41*	
		For >500, Deduct	*-54.40*	
26 51 19 00-0114	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	374.08	45.54
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-20.41*	
		For >250 To 500, Deduct	*-37.41*	
		For >500, Deduct	*-54.40*	
26 51 19 00-0115	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	401.68	45.54
		For >50 To 100, Deduct	*-11.75*	
		For >100 To 250, Deduct	*-21.79*	
		For >250 To 500, Deduct	*-40.17*	
		For >500, Deduct	*-58.54*	
26 51 19 00-0116		Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*		
26 51 19 00-0117		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0116)*		
26 51 19 00-0118	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	459.47	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
		For >50 To 100, Deduct	*-13.05*	
		For >100 To 250, Deduct	*-24.54*	
		For >250 To 500, Deduct	*-45.95*	
		For >500, Deduct	*-67.36*	
26 51 19 00-0119	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	692.17	41.33
		For Drywall Or Plaster Ceilings, Add	*28.18*	
		For >50 To 100, Deduct	*-18.87*	
		For >100 To 250, Deduct	*-36.17*	
		For >250 To 500, Deduct	*-69.22*	
		For >500, Deduct	*-102.26*	
26 51 19 00-0120	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	537.84	45.54
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*43.97*	
		For >50 To 100, Deduct	*-15.15*	
		For >100 To 250, Deduct	*-28.60*	
		For >250 To 500, Deduct	*-53.78*	
		For >500, Deduct	*-78.97*	
26 51 19 00-0121	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	617.84	45.54
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*47.97*	
		For >50 To 100, Deduct	*-17.15*	
		For >100 To 250, Deduct	*-32.60*	
		For >250 To 500, Deduct	*-61.78*	
		For >500, Deduct	*-90.97*	
26 51 19 00-0122	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	681.85	45.54
		For >50 To 100, Deduct	*-18.75*	
		For >100 To 250, Deduct	*-35.80*	
		For >250 To 500, Deduct	*-68.19*	
		For >500, Deduct	*-100.57*	
26 51 19 00-0123	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	693.24	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*54.59*	
		For >50 To 100, Deduct	*-19.32*	
		For >100 To 250, Deduct	*-36.65*	
		For >250 To 500, Deduct	*-69.32*	
		For >500, Deduct	*-101.99*	
26 51 19 00-0124	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	757.24	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*57.79*	
		For >50 To 100, Deduct	*-20.92*	
		For >100 To 250, Deduct	*-39.85*	
		For >250 To 500, Deduct	*-75.72*	
		For >500, Deduct	*-111.59*	
26 51 19 00-0125	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	821.25	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*60.99*	
		For >50 To 100, Deduct	*-22.52*	
		For >100 To 250, Deduct	*-43.06*	
		For >250 To 500, Deduct	*-82.13*	
		For >500, Deduct	*-121.19*	
26 51 19 00-0126	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	473.85	45.54
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*40.77*	
		For >50 To 100, Deduct	*-13.55*	
		For >100 To 250, Deduct	*-25.40*	
		For >250 To 500, Deduct	*-47.39*	
		For >500, Deduct	*-69.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0127	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	553.84	45.54
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.77*	
		For >50 To 100, Deduct	*-15.55*	
		For >100 To 250, Deduct	*-29.40*	
		For >250 To 500, Deduct	*-55.38*	
		For >500, Deduct	*-81.37*	
26 51 19 00-0128	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	601.84	45.54
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*47.17*	
		For >50 To 100, Deduct	*-16.75*	
		For >100 To 250, Deduct	*-31.80*	
		For >250 To 500, Deduct	*-60.18*	
		For >500, Deduct	*-88.57*	
26 51 19 00-0129	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	597.24	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.79*	
		For >50 To 100, Deduct	*-16.92*	
		For >100 To 250, Deduct	*-31.85*	
		For >250 To 500, Deduct	*-59.72*	
		For >500, Deduct	*-87.59*	
26 51 19 00-0130	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	629.23	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.39*	
		For >50 To 100, Deduct	*-17.72*	
		For >100 To 250, Deduct	*-33.45*	
		For >250 To 500, Deduct	*-62.92*	
		For >500, Deduct	*-92.39*	
26 51 19 00-0131	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	693.24	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*54.59*	
		For >50 To 100, Deduct	*-19.32*	
		For >100 To 250, Deduct	*-36.65*	
		For >250 To 500, Deduct	*-69.32*	
		For >500, Deduct	*-101.99*	

26 51 19 00-0132 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

26 51 19 00-0133 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0132)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0134	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	369.74	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*38.41*	
		For >50 To 100, Deduct	*-11.24*	
		For >100 To 250, Deduct	*-20.48*	
		For >250 To 500, Deduct	*-36.97*	
		For >500, Deduct	*-53.47*	
26 51 19 00-0135	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	431.44	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*41.50*	
		For >50 To 100, Deduct	*-12.78*	
		For >100 To 250, Deduct	*-23.56*	
		For >250 To 500, Deduct	*-43.14*	
		For >500, Deduct	*-62.72*	
26 51 19 00-0136	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	486.98	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.28*	
		For >50 To 100, Deduct	*-14.17*	
		For >100 To 250, Deduct	*-26.34*	
		For >250 To 500, Deduct	*-48.70*	
		For >500, Deduct	*-71.05*	

26 51 19 00-0137 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0138	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	497.34	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*152.19*	
		For Surface Mount, Add	*271.52*	
		For >50 To 100, Deduct	*-14.43*	
		For >100 To 250, Deduct	*-26.86*	
		For >250 To 500, Deduct	*-49.73*	
		For >500, Deduct	*-72.61*	
26 51 19 00-0139	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	537.39	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*152.19*	
		For Surface Mount, Add	*271.52*	
		For >50 To 100, Deduct	*-15.43*	
		For >100 To 250, Deduct	*-28.86*	
		For >250 To 500, Deduct	*-53.74*	
		For >500, Deduct	*-78.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0140	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	537.39	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*152.19*	
		For Surface Mount, Add	*271.52*	
		For >50 To 100, Deduct	*-15.43*	
		For >100 To 250, Deduct	*-28.86*	
		For >250 To 500, Deduct	*-53.74*	
		For >500, Deduct	*-78.62*	
26 51 19 00-0141	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	596.52	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*152.19*	
		For Surface Mount, Add	*271.52*	
		For >50 To 100, Deduct	*-16.91*	
		For >100 To 250, Deduct	*-31.82*	
		For >250 To 500, Deduct	*-59.65*	
		For >500, Deduct	*-87.49*	
26 51 19 00-0142	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	463.29	45.54
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*133.17*	
		For Surface Mount, Add	*255.89*	
		For >50 To 100, Deduct	*-13.29*	
		For >100 To 250, Deduct	*-24.87*	
		For >250 To 500, Deduct	*-46.33*	
		For >500, Deduct	*-67.79*	
26 51 19 00-0143	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	436.36	45.54
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*133.17*	
		For Surface Mount, Add	*255.89*	
		For >50 To 100, Deduct	*-12.62*	
		For >100 To 250, Deduct	*-23.53*	
		For >250 To 500, Deduct	*-43.64*	
		For >500, Deduct	*-63.75*	
26 51 19 00-0144	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	519.56	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For Surface Mount, Add	*296.32*	
		For >50 To 100, Deduct	*-14.98*	
		For >100 To 250, Deduct	*-27.97*	
		For >250 To 500, Deduct	*-51.96*	
		For >500, Deduct	*-75.94*	
26 51 19 00-0145	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	537.39	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For Surface Mount, Add	*296.32*	
		For >50 To 100, Deduct	*-15.43*	
		For >100 To 250, Deduct	*-28.86*	
		For >250 To 500, Deduct	*-53.74*	
		For >500, Deduct	*-78.62*	
26 51 19 00-0146	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	537.39	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For Surface Mount, Add	*296.32*	
		For >50 To 100, Deduct	*-15.43*	
		For >100 To 250, Deduct	*-28.86*	
		For >250 To 500, Deduct	*-53.74*	
		For >500, Deduct	*-78.62*	
26 51 19 00-0147	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	688.07	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For Surface Mount, Add	*296.32*	
		For >50 To 100, Deduct	*-19.19*	
		For >100 To 250, Deduct	*-36.40*	
		For >250 To 500, Deduct	*-68.81*	
		For >500, Deduct	*-101.22*	
26 51 19 00-0148	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	596.52	53.06
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For Surface Mount, Add	*296.32*	
		For >50 To 100, Deduct	*-16.91*	
		For >100 To 250, Deduct	*-31.82*	
		For >250 To 500, Deduct	*-59.65*	
		For >500, Deduct	*-87.49*	

26 51 19 00-0149 Architectural, Lay-In/Troffer LED Fixtures (CREE® ZR Series) *(26 51 19 00-0132)*
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0150	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-10V)	324.31	53.51
		For Drywall Or Plaster Ceilings, Add	*152.19*	
		For >50 To 100, Deduct	*-10.10*	
		For >100 To 250, Deduct	*-18.21*	
		For >250 To 500, Deduct	*-32.43*	
		For >500, Deduct	*-46.65*	
		For Surface Mount, Add	*206.67*	
26 51 19 00-0151	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-40L-35K-10V)	290.47	45.54
		For Drywall Or Plaster Ceilings, Add	*133.17*	
		For >50 To 100, Deduct	*-8.97*	
		For >100 To 250, Deduct	*-16.23*	
		For >250 To 500, Deduct	*-29.05*	
		For >500, Deduct	*-41.86*	
		For Surface Mount, Add	*193.18*	
26 51 19 00-0152	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32LHE-35K-10V)	963.64	45.54
		For Drywall Or Plaster Ceilings, Add	*133.17*	
		For >50 To 100, Deduct	*-25.80*	
		For >100 To 250, Deduct	*-49.89*	
		For >250 To 500, Deduct	*-96.36*	
		For >500, Deduct	*-142.84*	
		For Surface Mount, Add	*193.18*	
26 51 19 00-0153	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-10V)	335.52	53.51
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For >50 To 100, Deduct	*-10.38*	
		For >100 To 250, Deduct	*-18.77*	
		For >250 To 500, Deduct	*-33.55*	
		For >500, Deduct	*-48.34*	
		For Surface Mount, Add	*229.10*	
26 51 19 00-0154	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-32LHE-35K-10V)	1,199.42	53.51
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For >50 To 100, Deduct	*-31.98*	
		For >100 To 250, Deduct	*-61.96*	
		For >250 To 500, Deduct	*-119.94*	
		For >500, Deduct	*-177.92*	
		For Surface Mount, Add	*229.10*	
26 51 19 00-0155	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-50L-40K-10V-FD)	360.20	53.51
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For >50 To 100, Deduct	*-11.00*	
		For >100 To 250, Deduct	*-20.00*	
		For >250 To 500, Deduct	*-36.02*	
		For >500, Deduct	*-52.04*	
		For Surface Mount, Add	*229.10*	
26 51 19 00-0156	EA	1' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-CMA)	414.05	53.51
		For Drywall Or Plaster Ceilings, Add	*152.19*	
		For >50 To 100, Deduct	*-12.34*	
		For >100 To 250, Deduct	*-22.70*	
		For >250 To 500, Deduct	*-41.41*	
		For >500, Deduct	*-60.11*	
		For Surface Mount, Add	*206.67*	
26 51 19 00-0157	EA	2' x 2', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32L-35K-CMA)	380.22	45.54
		For Drywall Or Plaster Ceilings, Add	*133.17*	
		For >50 To 100, Deduct	*-11.21*	
		For >100 To 250, Deduct	*-20.72*	
		For >250 To 500, Deduct	*-38.02*	
		For >500, Deduct	*-55.33*	
		For Surface Mount, Add	*193.18*	
26 51 19 00-0158	EA	2' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-CMA)	425.28	53.51
		For Drywall Or Plaster Ceilings, Add	*156.00*	
		For >50 To 100, Deduct	*-12.62*	
		For >100 To 250, Deduct	*-23.26*	
		For >250 To 500, Deduct	*-42.53*	
		For >500, Deduct	*-61.80*	
		For Surface Mount, Add	*229.10*	

26 51 19 00-0159 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0160	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	266.00	45.54
		For >50 To 100, Deduct	*-8.36*	
		For >100 To 250, Deduct	*-15.01*	
		For >250 To 500, Deduct	*-26.60*	
		For >500, Deduct	*-38.19*	
26 51 19 00-0161	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	351.98	53.06
		For >50 To 100, Deduct	*-10.79*	
		For >100 To 250, Deduct	*-19.59*	
		For >250 To 500, Deduct	*-35.20*	
		For >500, Deduct	*-50.80*	

26 51 19 00-0162 Architectural, Lay-In/Troffer LED Fixtures (Orion) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0163	EA	2' x 2', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-22-1P-CT-M-LF)	326.56	45.54
		For >50 To 100, Deduct	*-9.87*	
		For >100 To 250, Deduct	*-18.04*	
		For >250 To 500, Deduct	*-32.66*	
		For >500, Deduct	*-47.28*	
26 51 19 00-0164	EA	2' x 2', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-22-1P-CT-M-LF)	338.40	45.54
		For >50 To 100, Deduct	*-10.17*	
		For >100 To 250, Deduct	*-18.63*	
		For >250 To 500, Deduct	*-33.84*	
		For >500, Deduct	*-49.05*	
26 51 19 00-0165	EA	2' x 4', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-24-1P-CT-M-LF)	353.34	53.51
		For >50 To 100, Deduct	*-10.83*	
		For >100 To 250, Deduct	*-19.66*	
		For >250 To 500, Deduct	*-35.33*	
		For >500, Deduct	*-51.01*	
26 51 19 00-0166	EA	2' x 4', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-24-1P-CT-M-LF)	365.19	53.51
		For >50 To 100, Deduct	*-11.12*	
		For >100 To 250, Deduct	*-20.25*	
		For >250 To 500, Deduct	*-36.52*	
		For >500, Deduct	*-52.79*	

26 51 19 00-0167 Architectural, Lay-In/Troffer LED Fixtures (Everlast) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0168	EA	2' x 2', 4,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	435.65	45.54
		For >50 To 100, Deduct	*-12.60*	
		For >100 To 250, Deduct	*-23.49*	
		For >250 To 500, Deduct	*-43.57*	
		For >500, Deduct	*-63.64*	
26 51 19 00-0169	EA	2' x 4', 10,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	727.32	53.51
		For >50 To 100, Deduct	*-20.18*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-72.73*	
		For >500, Deduct	*-107.11*	

26 51 19 00-0170 Architectural, Lay-In/Troffer LED Fixtures (Finelite) *(26 51 19 00-0132)*

Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0171	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	398.00	45.54
		For >50 To 100, Deduct	*-11.66*	
		For >100 To 250, Deduct	*-21.61*	
		For >250 To 500, Deduct	*-39.80*	
		For >500, Deduct	*-57.99*	
26 51 19 00-0172	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	539.68	53.51
		For >50 To 100, Deduct	*-15.48*	
		For >100 To 250, Deduct	*-28.98*	
		For >250 To 500, Deduct	*-53.97*	
		For >500, Deduct	*-78.96*	

26 51 19 00-0173 Shadow Box Style, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

26 51 19 00-0174 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) *(26 51 19 00-0173)*

26 51 19 00-0175	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	632.58	45.54
		For Drywall Or Plaster Ceilings, Add	*30.74*	
		For >50 To 100, Deduct	*-17.52*	
		For >100 To 250, Deduct	*-33.34*	
		For >250 To 500, Deduct	*-63.26*	
		For >500, Deduct	*-93.18*	
26 51 19 00-0176	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	863.15	53.06
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*63.09*	
		For >50 To 100, Deduct	*-23.57*	
		For >100 To 250, Deduct	*-45.15*	
		For >250 To 500, Deduct	*-86.32*	
		For >500, Deduct	*-127.48*	

26 51 19 00-0177 Panel Type, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

26 51 19 00-0178 Panel Type, Lay-In/Troffer LED Fixtures (CREE® FP Series) *(26 51 19 00-0177)*

26 51 19 00-0179	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP14-40L-35K-10V)	354.36	53.51
		For >50 To 100, Deduct	*-10.85*	
		For >100 To 250, Deduct	*-19.71*	
		For >250 To 500, Deduct	*-35.44*	
		For >500, Deduct	*-51.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0180	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP14-40L-35K-10V-EB14)	918.93	53.51
		For >50 To 100, Deduct	*-24.97*	
		For >100 To 250, Deduct	*-47.94*	
		For >250 To 500, Deduct	*-91.89*	
		For >500, Deduct	*-135.85*	
26 51 19 00-0181	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-34L-35K-10V)	268.59	45.54
		For >50 To 100, Deduct	*-8.42*	
		For >100 To 250, Deduct	*-15.14*	
		For >250 To 500, Deduct	*-26.86*	
		For >500, Deduct	*-38.58*	
26 51 19 00-0182	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-50L-35K-10V)	310.55	45.54
		For >50 To 100, Deduct	*-9.47*	
		For >100 To 250, Deduct	*-17.24*	
		For >250 To 500, Deduct	*-31.06*	
		For >500, Deduct	*-44.87*	
26 51 19 00-0183	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-34L-35K-10V-EB14)	840.39	53.51
		For >50 To 100, Deduct	*-23.00*	
		For >100 To 250, Deduct	*-44.01*	
		For >250 To 500, Deduct	*-84.04*	
		For >500, Deduct	*-124.07*	
26 51 19 00-0184	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-50L-35K-10V-EB14)	885.27	53.51
		For >50 To 100, Deduct	*-24.12*	
		For >100 To 250, Deduct	*-46.26*	
		For >250 To 500, Deduct	*-88.53*	
		For >500, Deduct	*-130.80*	
26 51 19 00-0185	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-40L-35K-10V)	375.35	53.51
		For >50 To 100, Deduct	*-11.38*	
		For >100 To 250, Deduct	*-20.76*	
		For >250 To 500, Deduct	*-37.54*	
		For >500, Deduct	*-54.31*	
26 51 19 00-0186	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-50L-35K-10V)	409.68	53.51
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-22.48*	
		For >250 To 500, Deduct	*-40.97*	
		For >500, Deduct	*-59.46*	
26 51 19 00-0187	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-40L-35K-10V-EB14)	941.36	53.51
		For >50 To 100, Deduct	*-25.53*	
		For >100 To 250, Deduct	*-49.06*	
		For >250 To 500, Deduct	*-94.14*	
		For >500, Deduct	*-139.21*	
26 51 19 00-0188	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-50L-35K-10V-EB14)	977.28	53.51
		For >50 To 100, Deduct	*-26.42*	
		For >100 To 250, Deduct	*-50.86*	
		For >250 To 500, Deduct	*-97.73*	
		For >500, Deduct	*-144.60*	

26 51 19 00-0189 Panel Type, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0177)*

26 51 19 00-0190	EA	2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2)	268.19	53.06
		For >50 To 100, Deduct	*-8.70*	
		For >100 To 250, Deduct	*-15.40*	
		For >250 To 500, Deduct	*-26.82*	
		For >500, Deduct	*-38.24*	
26 51 19 00-0191	EA	2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2)	268.19	53.06
		For >50 To 100, Deduct	*-8.70*	
		For >100 To 250, Deduct	*-15.40*	
		For >250 To 500, Deduct	*-26.82*	
		For >500, Deduct	*-38.24*	
26 51 19 00-0192	EA	2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4)	216.71	53.06
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-12.83*	
		For >250 To 500, Deduct	*-21.67*	
		For >500, Deduct	*-30.51*	
26 51 19 00-0193	EA	2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4)	216.71	53.06
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-12.83*	
		For >250 To 500, Deduct	*-21.67*	
		For >500, Deduct	*-30.51*	
26 51 19 00-0194	EA	1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4)	239.27	53.06
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 250, Deduct	*-13.96*	
		For >250 To 500, Deduct	*-23.93*	
		For >500, Deduct	*-33.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0195	EA	1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4)	239.27	53.06
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 250, Deduct	*-13.96*	
		For >250 To 500, Deduct	*-23.93*	
		For >500, Deduct	*-33.90*	
26 51 19 00-0196		**Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)** *(26 51 19 00-0177)*		
26 51 19 00-0197	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	431.67	53.06
		For >50 To 100, Deduct	*-12.78*	
		For >100 To 250, Deduct	*-23.58*	
		For >250 To 500, Deduct	*-43.17*	
		For >500, Deduct	*-62.76*	
26 51 19 00-0198	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	448.53	53.06
		For >50 To 100, Deduct	*-13.21*	
		For >100 To 250, Deduct	*-24.42*	
		For >250 To 500, Deduct	*-44.85*	
		For >500, Deduct	*-65.29*	
26 51 19 00-0199	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	560.23	53.06
		For >50 To 100, Deduct	*-16.00*	
		For >100 To 250, Deduct	*-30.00*	
		For >250 To 500, Deduct	*-56.02*	
		For >500, Deduct	*-82.04*	
26 51 19 00-0200	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	560.23	53.06
		For >50 To 100, Deduct	*-16.00*	
		For >100 To 250, Deduct	*-30.00*	
		For >250 To 500, Deduct	*-56.02*	
		For >500, Deduct	*-82.04*	
26 51 19 00-0201		**Panel Type, Lay-In/Troffer LED Fixtures (Sylvania)** *(26 51 19 00-0177)*		
26 51 19 00-0202	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	227.85	53.06
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*55.34*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.39*	
		For >250 To 500, Deduct	*-22.79*	
		For >500, Deduct	*-32.18*	
26 51 19 00-0203	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	235.07	53.06
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-13.75*	
		For >250 To 500, Deduct	*-23.51*	
		For >500, Deduct	*-33.27*	
26 51 19 00-0204	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	238.37	53.06
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*69.17*	
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-13.91*	
		For >250 To 500, Deduct	*-23.84*	
		For >500, Deduct	*-33.76*	
26 51 19 00-0205	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	550.11	53.06
		For >50 To 100, Deduct	*-15.75*	
		For >100 To 250, Deduct	*-29.50*	
		For >250 To 500, Deduct	*-55.01*	
		For >500, Deduct	*-80.52*	
26 51 19 00-0206		**Surface Mount LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0207		**Surface Mount, Volumetric LED Fixtures (Lithonia STL)** *(26 51 19 00-0206)*		
26 51 19 00-0208	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	322.76	34.15
		For >50 To 100, Deduct	*-9.35*	
		For >100 To 250, Deduct	*-17.42*	
		For >250 To 500, Deduct	*-32.28*	
		For >500, Deduct	*-47.13*	
26 51 19 00-0209	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	259.59	41.67
		For >50 To 100, Deduct	*-8.06*	
		For >100 To 250, Deduct	*-14.55*	
		For >250 To 500, Deduct	*-25.96*	
		For >500, Deduct	*-37.37*	
26 51 19 00-0210	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	327.66	41.67
		For >50 To 100, Deduct	*-9.76*	
		For >100 To 250, Deduct	*-17.95*	
		For >250 To 500, Deduct	*-32.77*	
		For >500, Deduct	*-47.58*	
26 51 19 00-0211		**Surface Mount, Wraparound LED Fixtures (Lithonia LBL)** *(26 51 19 00-0206)*		
26 51 19 00-0212	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	273.96	34.15
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 250, Deduct	*-14.98*	
		For >250 To 500, Deduct	*-27.40*	
		For >500, Deduct	*-39.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0213	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	359.98	41.67
		For >50 To 100, Deduct	*-10.57*	
		For >100 To 250, Deduct	*-19.56*	
		For >250 To 500, Deduct	*-36.00*	
		For >500, Deduct	*-52.43*	
26 51 19 00-0214		Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0206)*		
26 51 19 00-0215		Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0214)*		
26 51 19 00-0216	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	811.72	45.54
		For >50 To 100, Deduct	*-22.00*	
		For >100 To 250, Deduct	*-42.29*	
		For >250 To 500, Deduct	*-81.17*	
		For >500, Deduct	*-120.05*	
26 51 19 00-0217	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,042.30	53.06
		For >50 To 100, Deduct	*-28.05*	
		For >100 To 250, Deduct	*-54.11*	
		For >250 To 500, Deduct	*-104.23*	
		For >500, Deduct	*-154.35*	
26 51 19 00-0218		Surface Mount, Low Profile Fixtures *(26 51 19 00-0206)*		
26 51 19 00-0219	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	108.10	31.21
		For >50 To 100, Deduct	*-4.26*	
		For >100 To 250, Deduct	*-6.97*	
		For >250 To 500, Deduct	*-10.81*	
		For >500, Deduct	*-14.65*	
26 51 19 00-0220	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	88.26	31.21
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-5.97*	
		For >250 To 500, Deduct	*-8.83*	
		For >500, Deduct	*-11.68*	
26 51 19 00-0221	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	149.74	31.21
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.97*	
		For >500, Deduct	*-20.90*	
26 51 19 00-0222	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	181.48	31.21
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-10.63*	
		For >250 To 500, Deduct	*-18.15*	
		For >500, Deduct	*-25.66*	
26 51 19 00-0223		Surface Mount, LED Disc Light Fixtures *(26 51 19 00-0206)*		
26 51 19 00-0224	EA	Surface Frame Octagonal Junction Box, EM Driver, 1-10V Dimming, 1,500 Lumens (DMF DRDH-N-JO-150SEMS)	87.51	31.21
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-5.94*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-11.57*	
26 51 19 00-0225	EA	8" Round, 1,500 Lumens, 17 Watt, 3500K, 120 Volt, 0-10V Dimming, Surface Mounted Disc Light Fixture (DMF DRD5S-8-R-15-9-35-O)	161.67	31.21
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-9.64*	
		For >250 To 500, Deduct	*-16.17*	
		For >500, Deduct	*-22.69*	
26 51 19 00-0226	EA	8" Round, 1,500 Lumens, 17 Watt, 3500K, 120 Volt, 0-10V Dimming, Surface Mounted Disc Light Fixture With Emergency Battery (DMF DRD5S-8-R-15-9-35-O-A-EM)	196.41	31.21
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-11.38*	
		For >250 To 500, Deduct	*-19.64*	
		For >500, Deduct	*-27.90*	
26 51 19 00-0227		Recessed LED Downlights *(26 51 19 00-0001)*		
26 51 19 00-0228		Recessed LED Downlights *(26 51 19 00-0227)*		
26 51 19 00-0229		Recessed LED Downlights (Lithonia) *(26 51 19 00-0228)*		
		Note: Includes housing and trim.		
26 51 19 00-0230	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	369.83	54.84
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*76.08*	
		For >50 To 100, Deduct	*-11.30*	
		For >100 To 250, Deduct	*-20.55*	
		For >250 To 500, Deduct	*-36.98*	
		For >500, Deduct	*-53.42*	
26 51 19 00-0231	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	400.68	54.84
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*76.08*	
		For >50 To 100, Deduct	*-12.07*	
		For >100 To 250, Deduct	*-22.09*	
		For >250 To 500, Deduct	*-40.07*	
		For >500, Deduct	*-58.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 51 19 00-0232 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0228)*

Note: Includes housing and trim.

26 51 19 00-0233	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	238.61	54.84
		For >50 To 100, Deduct	*-8.02*	
		For >100 To 250, Deduct	*-13.99*	
		For >250 To 500, Deduct	*-23.86*	
		For >500, Deduct	*-33.74*	

26 51 19 00-0234 Recessed LED Downlights (Gotham® EVO®) *(26 51 19 00-0228)*

Note: Includes housing and trim.

26 51 19 00-0235	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	287.41	54.84
		For >50 To 100, Deduct	*-9.24*	
		For >100 To 250, Deduct	*-16.43*	
		For >250 To 500, Deduct	*-28.74*	
		For >500, Deduct	*-41.06*	
26 51 19 00-0236	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	296.08	54.84
		For >50 To 100, Deduct	*-9.46*	
		For >100 To 250, Deduct	*-16.86*	
		For >250 To 500, Deduct	*-29.61*	
		For >500, Deduct	*-42.36*	
26 51 19 00-0237	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	331.64	54.84
		For >50 To 100, Deduct	*-10.35*	
		For >100 To 250, Deduct	*-18.64*	
		For >250 To 500, Deduct	*-33.16*	
		For >500, Deduct	*-47.69*	
26 51 19 00-0238	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	335.12	54.84
		For >50 To 100, Deduct	*-10.43*	
		For >100 To 250, Deduct	*-18.81*	
		For >250 To 500, Deduct	*-33.51*	
		For >500, Deduct	*-48.21*	
26 51 19 00-0239	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	365.47	54.84
		For >50 To 100, Deduct	*-11.19*	
		For >100 To 250, Deduct	*-20.33*	
		For >250 To 500, Deduct	*-36.55*	
		For >500, Deduct	*-52.76*	

26 51 19 00-0240 Recessed LED Downlights (Lightolier) *(26 51 19 00-0228)*

Note: Includes housing and trim.

26 51 19 00-0241	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	607.08	54.84
		For >50 To 100, Deduct	*-17.23*	
		For >100 To 250, Deduct	*-32.41*	
		For >250 To 500, Deduct	*-60.71*	
		For >500, Deduct	*-89.01*	
26 51 19 00-0242	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	712.31	54.84
		For >50 To 100, Deduct	*-19.86*	
		For >100 To 250, Deduct	*-37.67*	
		For >250 To 500, Deduct	*-71.23*	
		For >500, Deduct	*-104.79*	
26 51 19 00-0243	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	764.81	54.84
		For >50 To 100, Deduct	*-21.18*	
		For >100 To 250, Deduct	*-40.30*	
		For >250 To 500, Deduct	*-76.48*	
		For >500, Deduct	*-112.67*	
26 51 19 00-0244	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	764.81	54.84
		For >50 To 100, Deduct	*-21.18*	
		For >100 To 250, Deduct	*-40.30*	
		For >250 To 500, Deduct	*-76.48*	
		For >500, Deduct	*-112.67*	
26 51 19 00-0245	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	791.18	54.84
		For >50 To 100, Deduct	*-21.84*	
		For >100 To 250, Deduct	*-41.62*	
		For >250 To 500, Deduct	*-79.12*	
		For >500, Deduct	*-116.62*	
26 51 19 00-0246	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	817.56	54.84
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 250, Deduct	*-42.93*	
		For >250 To 500, Deduct	*-81.76*	
		For >500, Deduct	*-120.58*	

26 51 19 00-0247 Recessed LED Downlights (Cooper) *(26 51 19 00-0228)*

26 51 19 00-0248	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	152.49	54.84
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.25*	
		For >500, Deduct	*-20.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0249	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	152.49	54.84
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.25*	
		For >500, Deduct	*-20.82*	
26 51 19 00-0250	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	152.49	54.84
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.25*	
		For >500, Deduct	*-20.82*	
26 51 19 00-0251	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	152.49	54.84
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.25*	
		For >500, Deduct	*-20.82*	
26 51 19 00-0252	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	155.10	54.84
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-21.21*	
26 51 19 00-0253	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	155.10	54.84
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-21.21*	
26 51 19 00-0254	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	155.10	54.84
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-21.21*	
26 51 19 00-0255	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	155.10	54.84
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-21.21*	
26 51 19 00-0256	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	190.57	54.84
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 250, Deduct	*-11.59*	
		For >250 To 500, Deduct	*-19.06*	
		For >500, Deduct	*-26.53*	
26 51 19 00-0257	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	188.77	54.84
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-18.88*	
		For >500, Deduct	*-26.26*	
26 51 19 00-0258	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	188.77	54.84
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-18.88*	
		For >500, Deduct	*-26.26*	
26 51 19 00-0259	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	188.77	54.84
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.50*	
		For >250 To 500, Deduct	*-18.88*	
		For >500, Deduct	*-26.26*	
26 51 19 00-0260	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	89.28	17.45
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 500, Deduct	*-8.93*	
		For >500, Deduct	*-12.74*	
26 51 19 00-0261	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	56.82	17.45
		For >50 To 100, Deduct	*-2.08*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.68*	
		For >500, Deduct	*-7.87*	
26 51 19 00-0262	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	70.79	17.45
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 500, Deduct	*-7.08*	
		For >500, Deduct	*-9.96*	
26 51 19 00-0263	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	59.63	17.45
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 500, Deduct	*-5.96*	
		For >500, Deduct	*-8.29*	
26 51 19 00-0264	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	48.22	17.45
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-4.82*	
		For >500, Deduct	*-6.58*	
26 51 19 00-0265	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	59.13	17.45
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-5.91*	
		For >500, Deduct	*-8.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0266	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	65.78	17.45
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.58*	
		For >500, Deduct	*-9.21*	
26 51 19 00-0267	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	71.70	17.45
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.24*	
		For >250 To 500, Deduct	*-7.17*	
		For >500, Deduct	*-10.10*	
26 51 19 00-0268	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	83.26	17.45
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-8.33*	
		For >500, Deduct	*-11.83*	
26 51 19 00-0269	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	83.64	17.45
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-8.36*	
		For >500, Deduct	*-11.89*	
26 51 19 00-0270	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	81.98	17.45
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.64*	
26 51 19 00-0271	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	100.95	17.45
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-5.70*	
		For >250 To 500, Deduct	*-10.10*	
		For >500, Deduct	*-14.49*	
26 51 19 00-0272	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	48.63	17.45
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 500, Deduct	*-4.86*	
		For >500, Deduct	*-6.64*	
26 51 19 00-0273	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	86.50	17.45
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.65*	
		For >500, Deduct	*-12.32*	
26 51 19 00-0274	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	73.73	17.45
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.37*	
		For >500, Deduct	*-10.41*	
26 51 19 00-0275	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	69.25	17.45
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-6.93*	
		For >500, Deduct	*-9.73*	
26 51 19 00-0276	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	61.86	17.45
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.19*	
		For >500, Deduct	*-8.62*	
26 51 19 00-0277	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	62.40	17.45
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.24*	
		For >500, Deduct	*-8.71*	
26 51 19 00-0278	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	67.14	17.45
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-6.71*	
		For >500, Deduct	*-9.42*	
26 51 19 00-0279	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	61.57	17.45
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.16*	
		For >500, Deduct	*-8.58*	
26 51 19 00-0280	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	76.69	17.45
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-7.67*	
		For >500, Deduct	*-10.85*	
26 51 19 00-0281	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	83.07	17.45
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 500, Deduct	*-8.31*	
		For >500, Deduct	*-11.81*	
26 51 19 00-0282	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	104.27	17.45
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-10.43*	
		For >500, Deduct	*-14.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0283	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	101.61	17.45
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-5.74*	
		For >250 To 500, Deduct	*-10.16*	
		For >500, Deduct	*-14.59*	
26 51 19 00-0284	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	102.78	17.45
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 500, Deduct	*-10.28*	
		For >500, Deduct	*-14.76*	
26 51 19 00-0285	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	63.04	17.45
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-3.81*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-8.80*	
26 51 19 00-0286	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	61.78	37.39
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-6.18*	
		For >500, Deduct	*-7.87*	
26 51 19 00-0287	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	66.97	37.39
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-6.70*	
		For >500, Deduct	*-8.64*	
26 51 19 00-0288	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	64.89	37.39
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-4.65*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-8.33*	
26 51 19 00-0289	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	85.35	37.39
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-5.67*	
		For >250 To 500, Deduct	*-8.54*	
		For >500, Deduct	*-11.40*	
26 51 19 00-0290	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	82.95	37.39
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-5.55*	
		For >250 To 500, Deduct	*-8.30*	
		For >500, Deduct	*-11.04*	
26 51 19 00-0291	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	67.68	37.39
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-4.79*	
		For >250 To 500, Deduct	*-6.77*	
		For >500, Deduct	*-8.75*	
26 51 19 00-0292	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	71.18	37.39
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-7.12*	
		For >500, Deduct	*-9.28*	
26 51 19 00-0293	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	66.95	37.39
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-6.70*	
		For >500, Deduct	*-8.64*	
26 51 19 00-0294	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	70.78	37.39
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-4.94*	
		For >250 To 500, Deduct	*-7.08*	
		For >500, Deduct	*-9.22*	
26 51 19 00-0295	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	67.59	37.39
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-6.76*	
		For >500, Deduct	*-8.74*	
26 51 19 00-0296	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	67.23	37.39
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-8.68*	
26 51 19 00-0297	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	69.99	37.39
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-7.00*	
		For >500, Deduct	*-9.10*	
26 51 19 00-0298	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	71.49	37.39
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-7.15*	
		For >500, Deduct	*-9.32*	
26 51 19 00-0299	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	71.97	37.39
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-5.00*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-9.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0300	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	95.14	37.39
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-9.51*	
		For >500, Deduct	*-12.87*	
26 51 19 00-0301	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	89.33	37.39
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-8.93*	
		For >500, Deduct	*-12.00*	
26 51 19 00-0302	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	90.00	37.39
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-5.90*	
		For >250 To 500, Deduct	*-9.00*	
		For >500, Deduct	*-12.10*	
26 51 19 00-0303	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	93.89	37.39
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.10*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.68*	
26 51 19 00-0304	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	93.89	37.39
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.10*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.68*	
26 51 19 00-0305	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	93.89	37.39
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.10*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.68*	
26 51 19 00-0306	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	93.89	37.39
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.10*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.68*	
26 51 19 00-0307	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	93.89	37.39
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.10*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.68*	
26 51 19 00-0308	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	83.72	37.39
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0309	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	83.72	37.39
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0310	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	83.72	37.39
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0311	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	83.72	37.39
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0312	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	83.72	37.39
		For >50 To 100, Deduct	*-3.50*	
		For >100 To 250, Deduct	*-5.59*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0313	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	84.46	37.39
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.63*	
		For >250 To 500, Deduct	*-8.45*	
		For >500, Deduct	*-11.27*	
26 51 19 00-0314	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	95.89	37.39
		For >50 To 100, Deduct	*-3.80*	
		For >100 To 250, Deduct	*-6.20*	
		For >250 To 500, Deduct	*-9.59*	
		For >500, Deduct	*-12.98*	
26 51 19 00-0315	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	84.46	37.39
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.63*	
		For >250 To 500, Deduct	*-8.45*	
		For >500, Deduct	*-11.27*	
26 51 19 00-0316	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	92.66	37.39
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.27*	
		For >500, Deduct	*-12.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0317	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	79.83	37.39
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-7.98*	
		For >500, Deduct	*-10.57*	
26 51 19 00-0318	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	80.95	37.39
		For >50 To 100, Deduct	*-3.43*	
		For >100 To 250, Deduct	*-5.45*	
		For >250 To 500, Deduct	*-8.10*	
		For >500, Deduct	*-10.74*	
26 51 19 00-0319	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	88.94	37.39
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.94*	
26 51 19 00-0320	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	88.94	37.39
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.94*	
26 51 19 00-0321	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	88.94	37.39
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.94*	
26 51 19 00-0322	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	88.94	37.39
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.94*	
26 51 19 00-0323	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	88.94	37.39
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-11.94*	
26 51 19 00-0324	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	71.47	17.45
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.15*	
		For >500, Deduct	*-10.07*	
26 51 19 00-0325	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	73.79	17.45
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-10.41*	
26 51 19 00-0326	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	74.78	37.39
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-9.82*	
26 51 19 00-0327	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	75.05	37.39
		For >50 To 100, Deduct	*-3.28*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-7.51*	
		For >500, Deduct	*-9.86*	
26 51 19 00-0328	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	70.24	37.39
		For >50 To 100, Deduct	*-3.16*	
		For >100 To 250, Deduct	*-4.91*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.13*	
26 51 19 00-0329	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	72.60	37.39
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-7.26*	
		For >500, Deduct	*-9.49*	
26 51 19 00-0330	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	71.83	37.39
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 500, Deduct	*-7.18*	
		For >500, Deduct	*-9.37*	
26 51 19 00-0331	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	72.55	37.39
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-7.26*	
		For >500, Deduct	*-9.48*	
26 51 19 00-0332	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	82.71	37.39
		For >50 To 100, Deduct	*-3.47*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-8.27*	
		For >500, Deduct	*-11.00*	
26 51 19 00-0333	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	83.25	37.39
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 500, Deduct	*-8.33*	
		For >500, Deduct	*-11.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0334	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	85.98	37.39
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-5.70*	
		For >250 To 500, Deduct	*-8.60*	
		For >500, Deduct	*-11.50*	
26 51 19 00-0335	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	87.90	37.39
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.80*	
		For >250 To 500, Deduct	*-8.79*	
		For >500, Deduct	*-11.78*	
26 51 19 00-0336	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	96.30	37.39
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 250, Deduct	*-6.22*	
		For >250 To 500, Deduct	*-9.63*	
		For >500, Deduct	*-13.04*	

26 51 19 00-0337 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0228)*

26 51 19 00-0338	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	177.89	54.84
		For >50 To 100, Deduct	*-6.50*	
		For >100 To 250, Deduct	*-10.95*	
		For >250 To 500, Deduct	*-17.79*	
		For >500, Deduct	*-24.63*	
26 51 19 00-0339	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	180.33	54.84
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.07*	
		For >250 To 500, Deduct	*-18.03*	
		For >500, Deduct	*-24.99*	
26 51 19 00-0340	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	187.70	54.84
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-11.44*	
		For >250 To 500, Deduct	*-18.77*	
		For >500, Deduct	*-26.10*	
26 51 19 00-0341	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	172.97	54.84
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-10.71*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-23.89*	
26 51 19 00-0342	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	172.97	54.84
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-10.71*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-23.89*	
26 51 19 00-0343	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	172.97	54.84
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-10.71*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-23.89*	
26 51 19 00-0344	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	187.70	54.84
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-11.44*	
		For >250 To 500, Deduct	*-18.77*	
		For >500, Deduct	*-26.10*	
26 51 19 00-0345	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	190.14	54.84
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-11.56*	
		For >250 To 500, Deduct	*-19.01*	
		For >500, Deduct	*-26.46*	
26 51 19 00-0346	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	195.04	54.84
		For >50 To 100, Deduct	*-6.93*	
		For >100 To 250, Deduct	*-11.81*	
		For >250 To 500, Deduct	*-19.50*	
		For >500, Deduct	*-27.20*	
26 51 19 00-0347	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	209.75	54.84
		For >50 To 100, Deduct	*-7.30*	
		For >100 To 250, Deduct	*-12.54*	
		For >250 To 500, Deduct	*-20.98*	
		For >500, Deduct	*-29.41*	
26 51 19 00-0348	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	229.37	54.84
		For >50 To 100, Deduct	*-7.79*	
		For >100 To 250, Deduct	*-13.53*	
		For >250 To 500, Deduct	*-22.94*	
		For >500, Deduct	*-32.35*	

26 51 19 00-0349 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0227)*

26 51 19 00-0350 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0349)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0351	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	114.19	
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-11.42*	
		For >500, Deduct	*-16.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0352	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	100.72	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-10.07*	
		For >500, Deduct	*-14.33*	
26 51 19 00-0353	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	127.65	
		For >50 To 100, Deduct	*-3.97*	
		For >100 To 250, Deduct	*-7.16*	
		For >250 To 500, Deduct	*-12.77*	
		For >500, Deduct	*-18.37*	
26 51 19 00-0354	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	143.35	
		For >50 To 100, Deduct	*-4.36*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-14.34*	
		For >500, Deduct	*-20.72*	
26 51 19 00-0355	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	156.81	
		For >50 To 100, Deduct	*-4.70*	
		For >100 To 250, Deduct	*-8.62*	
		For >250 To 500, Deduct	*-15.68*	
		For >500, Deduct	*-22.74*	
26 51 19 00-0356		**Recessed LED Downlight Retrofits Trim (CREE®)** *(26 51 19 00-0349)*		
		Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0357	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	41.12	8.73
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-4.11*	
		For >500, Deduct	*-5.70*	
26 51 19 00-0358	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	50.10	8.73
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-7.05*	
26 51 19 00-0359	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	43.37	8.73
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.34*	
		For >500, Deduct	*-6.04*	
26 51 19 00-0360		**Recessed LED Downlight Fixture Housings (CREE®)** *(26 51 19 00-0349)*		
		Note: Excludes lamp and trim.		
26 51 19 00-0361	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	109.94	37.39
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-6.90*	
		For >250 To 500, Deduct	*-10.99*	
		For >500, Deduct	*-15.09*	
26 51 19 00-0362	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	78.51	37.39
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-5.33*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-10.37*	
26 51 19 00-0363		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0227)*		
26 51 19 00-0364	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	97.63	34.15
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-9.76*	
		For >500, Deduct	*-13.36*	
26 51 19 00-0365	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	79.60	34.15
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.66*	
26 51 19 00-0366	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	79.60	34.15
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.66*	
26 51 19 00-0367	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	138.77	34.15
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*50.62*	
		For >50 To 100, Deduct	*-4.75*	
		For >100 To 250, Deduct	*-8.22*	
		For >250 To 500, Deduct	*-13.88*	
		For >500, Deduct	*-19.53*	
26 51 19 00-0368	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	69.66	34.15
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-6.97*	
		For >500, Deduct	*-9.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0369	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	77.06	34.15
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.71*	
		For >500, Deduct	*-10.28*	
26 51 19 00-0370	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	919.02	34.15
		For >50 To 100, Deduct	*-24.26*	
		For >100 To 250, Deduct	*-47.23*	
		For >250 To 500, Deduct	*-91.90*	
		For >500, Deduct	*-136.57*	
26 51 19 00-0371		Wall Mount LED Cylinder Downlight *(26 51 19 00-0001)*		
26 51 19 00-0372	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	373.34	53.06
		For >50 To 100, Deduct	*-11.33*	
		For >100 To 250, Deduct	*-20.66*	
		For >250 To 500, Deduct	*-37.33*	
		For >500, Deduct	*-54.01*	
26 51 19 00-0373		Wall Sconce And Wall Wash LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0374		LED Wall Sconce Fixtures (Hudson Valley Lighting) *(26 51 19 00-0373)*		
26 51 19 00-0375	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	528.08	49.85
		For >50 To 100, Deduct	*-15.07*	
		For >100 To 250, Deduct	*-28.27*	
		For >250 To 500, Deduct	*-52.81*	
		For >500, Deduct	*-77.34*	
26 51 19 00-0376		LED Wall Sconce Fixtures (Kichler) *(26 51 19 00-0373)*		
26 51 19 00-0377	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	294.27	49.85
		For >50 To 100, Deduct	*-9.23*	
		For >100 To 250, Deduct	*-16.58*	
		For >250 To 500, Deduct	*-29.43*	
		For >500, Deduct	*-42.27*	
26 51 19 00-0378		LED Wall Sconce Fixtures (Metalux) *(26 51 19 00-0373)*		
26 51 19 00-0379	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	161.81	49.85
		For >50 To 100, Deduct	*-5.91*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-16.18*	
		For >500, Deduct	*-22.40*	
26 51 19 00-0380		Concealed Continuous LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0381		Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 19 00-0380)*		
26 51 19 00-0382	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	718.27	5.69
		For >50 To 100, Deduct	*-18.24*	
		For >100 To 250, Deduct	*-36.20*	
		For >250 To 500, Deduct	*-71.83*	
		For >500, Deduct	*-107.46*	
26 51 19 00-0383	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	818.92	5.69
		For >50 To 100, Deduct	*-20.76*	
		For >100 To 250, Deduct	*-41.23*	
		For >250 To 500, Deduct	*-81.89*	
		For >500, Deduct	*-122.55*	
26 51 19 00-0384		Low Bay LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0385		LED Linear Low Bay Fixtures (PlanLED) *(26 51 19 00-0384)*		
26 51 19 00-0386	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	368.66	68.32
		For >50 To 100, Deduct	*-12.06*	
		For >100 To 250, Deduct	*-21.28*	
		For >250 To 500, Deduct	*-36.87*	
		For >500, Deduct	*-52.45*	
26 51 19 00-0387	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	500.30	68.32
		For >50 To 100, Deduct	*-15.35*	
		For >100 To 250, Deduct	*-27.86*	
		For >250 To 500, Deduct	*-50.03*	
		For >500, Deduct	*-72.20*	
26 51 19 00-0388	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	832.41	85.40
		For >50 To 100, Deduct	*-24.37*	
		For >100 To 250, Deduct	*-45.18*	
		For >250 To 500, Deduct	*-83.24*	
		For >500, Deduct	*-121.30*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0389		LED Low Bay Fixtures (CREE®) *(26 51 19 00-0384)*		
26 51 19 00-0390		LED Low Bay Fixtures (CREE® LS) *(26 51 19 00-0389)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0391	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	337.02	68.32
		For >50 To 100, Deduct	*-11.27*	
		For >100 To 250, Deduct	*-19.70*	
		For >250 To 500, Deduct	*-33.70*	
		For >500, Deduct	*-47.71*	
26 51 19 00-0392	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	359.90	68.32
		For >50 To 100, Deduct	*-11.84*	
		For >100 To 250, Deduct	*-20.84*	
		For >250 To 500, Deduct	*-35.99*	
		For >500, Deduct	*-51.14*	
26 51 19 00-0393	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	346.55	68.32
		For >50 To 100, Deduct	*-11.51*	
		For >100 To 250, Deduct	*-20.17*	
		For >250 To 500, Deduct	*-34.66*	
		For >500, Deduct	*-49.14*	
26 51 19 00-0394	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	369.44	68.32
		For >50 To 100, Deduct	*-12.08*	
		For >100 To 250, Deduct	*-21.32*	
		For >250 To 500, Deduct	*-36.94*	
		For >500, Deduct	*-52.57*	
26 51 19 00-0395	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	386.61	68.32
		For >50 To 100, Deduct	*-12.51*	
		For >100 To 250, Deduct	*-22.18*	
		For >250 To 500, Deduct	*-38.66*	
		For >500, Deduct	*-55.15*	
26 51 19 00-0396	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	409.50	68.32
		For >50 To 100, Deduct	*-13.08*	
		For >100 To 250, Deduct	*-23.32*	
		For >250 To 500, Deduct	*-40.95*	
		For >500, Deduct	*-58.58*	
26 51 19 00-0397	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	542.87	85.40
		For >50 To 100, Deduct	*-17.13*	
		For >100 To 250, Deduct	*-30.70*	
		For >250 To 500, Deduct	*-54.29*	
		For >500, Deduct	*-77.87*	
26 51 19 00-0398	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	584.83	85.40
		For >50 To 100, Deduct	*-18.18*	
		For >100 To 250, Deduct	*-32.80*	
		For >250 To 500, Deduct	*-58.48*	
		For >500, Deduct	*-84.17*	
26 51 19 00-0399	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	672.57	85.40
		For >50 To 100, Deduct	*-20.37*	
		For >100 To 250, Deduct	*-37.19*	
		For >250 To 500, Deduct	*-67.26*	
		For >500, Deduct	*-97.33*	
26 51 19 00-0400	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	695.45	85.40
		For >50 To 100, Deduct	*-20.94*	
		For >100 To 250, Deduct	*-38.33*	
		For >250 To 500, Deduct	*-69.55*	
		For >500, Deduct	*-100.76*	
26 51 19 00-0401		LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0389)*		
		Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0402	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	760.44	68.32
		For >50 To 100, Deduct	*-21.86*	
		For >100 To 250, Deduct	*-40.87*	
		For >250 To 500, Deduct	*-76.04*	
		For >500, Deduct	*-111.22*	
26 51 19 00-0403	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	855.81	68.32
		For >50 To 100, Deduct	*-24.24*	
		For >100 To 250, Deduct	*-45.64*	
		For >250 To 500, Deduct	*-85.58*	
		For >500, Deduct	*-125.53*	
26 51 19 00-0404		LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0389)*		
		Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0405	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	735.46	68.32
		For >50 To 100, Deduct	*-21.23*	
		For >100 To 250, Deduct	*-39.62*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-107.47*	
26 51 19 00-0406	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	914.26	85.40
		For >50 To 100, Deduct	*-26.41*	
		For >100 To 250, Deduct	*-49.27*	
		For >250 To 500, Deduct	*-91.43*	
		For >500, Deduct	*-133.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0407	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,163.34	85.40
		For >50 To 100, Deduct	*-32.64*	
		For >100 To 250, Deduct	*-61.73*	
		For >250 To 500, Deduct	*-116.33*	
		For >500, Deduct	*-170.94*	

26 51 19 00-0408 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0389)*

26 51 19 00-0409	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	64.87	18.72
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-8.95*	
26 51 19 00-0410	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	71.61	18.72
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-9.96*	
26 51 19 00-0411	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	53.64	18.72
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.36*	
		For >500, Deduct	*-7.27*	
26 51 19 00-0412	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	42.43	18.72
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-4.24*	
		For >500, Deduct	*-5.58*	
26 51 19 00-0413	EA	Solid Reflector, Pair (Cree® LS4-SR)	143.40	18.72
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-14.34*	
		For >500, Deduct	*-20.73*	
26 51 19 00-0414	EA	Solid Reflector, Pair (Cree® LS8-SR)	199.51	18.72
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-10.76*	
		For >250 To 500, Deduct	*-19.95*	
		For >500, Deduct	*-29.15*	
26 51 19 00-0415	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	71.61	18.72
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-9.96*	
26 51 19 00-0416	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	103.02	18.72
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-5.93*	
		For >250 To 500, Deduct	*-10.30*	
		For >500, Deduct	*-14.67*	
26 51 19 00-0417	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	80.57	18.72
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 500, Deduct	*-8.06*	
		For >500, Deduct	*-11.31*	
26 51 19 00-0418	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	109.75	18.72
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-10.98*	
		For >500, Deduct	*-15.68*	
26 51 19 00-0419	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	116.49	18.72
		For >50 To 100, Deduct	*-3.69*	
		For >100 To 250, Deduct	*-6.60*	
		For >250 To 500, Deduct	*-11.65*	
		For >500, Deduct	*-16.69*	
26 51 19 00-0420	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	98.52	18.72
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-5.71*	
		For >250 To 500, Deduct	*-9.85*	
		For >500, Deduct	*-14.00*	
26 51 19 00-0421	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	150.13	18.72
		For >50 To 100, Deduct	*-4.53*	
		For >100 To 250, Deduct	*-8.29*	
		For >250 To 500, Deduct	*-15.01*	
		For >500, Deduct	*-21.74*	
26 51 19 00-0422	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	76.09	18.72
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-4.58*	
		For >250 To 500, Deduct	*-7.61*	
		For >500, Deduct	*-10.63*	
26 51 19 00-0423	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	94.04	18.72
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.40*	
		For >500, Deduct	*-13.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0424	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	71.61	18.72
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-9.96*	
26 51 19 00-0425	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,470.76	45.54
		For >50 To 100, Deduct	*-38.48*	
		For >100 To 250, Deduct	*-75.25*	
		For >250 To 500, Deduct	*-147.08*	
		For >500, Deduct	*-218.91*	
26 51 19 00-0426	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	517.09	45.54
		For >50 To 100, Deduct	*-14.64*	
		For >100 To 250, Deduct	*-27.56*	
		For >250 To 500, Deduct	*-51.71*	
		For >500, Deduct	*-75.86*	

26 51 19 00-0427 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0384)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0428	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	978.59	68.32
		For >50 To 100, Deduct	*-27.31*	
		For >100 To 250, Deduct	*-51.78*	
		For >250 To 500, Deduct	*-97.86*	
		For >500, Deduct	*-143.94*	

26 51 19 00-0429 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0430 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0429)*

26 51 19 00-0431	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	497.30	125.25
		For >50 To 100, Deduct	*-18.70*	
		For >100 To 250, Deduct	*-31.13*	
		For >250 To 500, Deduct	*-49.73*	
		For >500, Deduct	*-68.33*	
26 51 19 00-0432	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	497.30	125.25
		For >50 To 100, Deduct	*-18.70*	
		For >100 To 250, Deduct	*-31.13*	
		For >250 To 500, Deduct	*-49.73*	
		For >500, Deduct	*-68.33*	
26 51 19 00-0433	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	556.54	125.25
		For >50 To 100, Deduct	*-20.18*	
		For >100 To 250, Deduct	*-34.09*	
		For >250 To 500, Deduct	*-55.65*	
		For >500, Deduct	*-77.22*	
26 51 19 00-0434	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	556.54	125.25
		For >50 To 100, Deduct	*-20.18*	
		For >100 To 250, Deduct	*-34.09*	
		For >250 To 500, Deduct	*-55.65*	
		For >500, Deduct	*-77.22*	
26 51 19 00-0435	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	655.26	125.25
		For >50 To 100, Deduct	*-22.64*	
		For >100 To 250, Deduct	*-39.03*	
		For >250 To 500, Deduct	*-65.53*	
		For >500, Deduct	*-92.03*	
26 51 19 00-0436	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	655.26	125.25
		For >50 To 100, Deduct	*-22.64*	
		For >100 To 250, Deduct	*-39.03*	
		For >250 To 500, Deduct	*-65.53*	
		For >500, Deduct	*-92.03*	
26 51 19 00-0437	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	694.74	125.25
		For >50 To 100, Deduct	*-23.63*	
		For >100 To 250, Deduct	*-41.00*	
		For >250 To 500, Deduct	*-69.47*	
		For >500, Deduct	*-97.95*	
26 51 19 00-0438	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	694.74	125.25
		For >50 To 100, Deduct	*-23.63*	
		For >100 To 250, Deduct	*-41.00*	
		For >250 To 500, Deduct	*-69.47*	
		For >500, Deduct	*-97.95*	
26 51 19 00-0439	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	724.36	125.25
		For >50 To 100, Deduct	*-24.37*	
		For >100 To 250, Deduct	*-42.48*	
		For >250 To 500, Deduct	*-72.44*	
		For >500, Deduct	*-102.39*	
26 51 19 00-0440	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	724.36	125.25
		For >50 To 100, Deduct	*-24.37*	
		For >100 To 250, Deduct	*-42.48*	
		For >250 To 500, Deduct	*-72.44*	
		For >500, Deduct	*-102.39*	

26 51 19 00-0441 LED High Bay Fixtures (Cree) *(26 51 19 00-0429)*

26 51 19 00-0442 LED High Bay Fixtures (CREE®) *(26 51 19 00-0441)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0443	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	897.08	125.25
		For >50 To 100, Deduct	*-28.69*	
		For >100 To 250, Deduct	*-51.12*	
		For >250 To 500, Deduct	*-89.71*	
		For >500, Deduct	*-128.30*	
26 51 19 00-0444	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,080.74	125.25
		For >50 To 100, Deduct	*-33.28*	
		For >100 To 250, Deduct	*-60.30*	
		For >250 To 500, Deduct	*-108.07*	
		For >500, Deduct	*-155.85*	
26 51 19 00-0445	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	991.00	125.25
		For >50 To 100, Deduct	*-31.04*	
		For >100 To 250, Deduct	*-55.81*	
		For >250 To 500, Deduct	*-99.10*	
		For >500, Deduct	*-142.39*	
26 51 19 00-0446	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,136.85	125.25
		For >50 To 100, Deduct	*-34.68*	
		For >100 To 250, Deduct	*-63.11*	
		For >250 To 500, Deduct	*-113.69*	
		For >500, Deduct	*-164.27*	
26 51 19 00-0447	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	929.51	125.25
		For >50 To 100, Deduct	*-29.50*	
		For >100 To 250, Deduct	*-52.74*	
		For >250 To 500, Deduct	*-92.95*	
		For >500, Deduct	*-133.16*	
26 51 19 00-0448	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	1,114.40	125.25
		For >50 To 100, Deduct	*-34.12*	
		For >100 To 250, Deduct	*-61.98*	
		For >250 To 500, Deduct	*-111.44*	
		For >500, Deduct	*-160.90*	
26 51 19 00-0449	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	1,024.65	125.25
		For >50 To 100, Deduct	*-31.88*	
		For >100 To 250, Deduct	*-57.50*	
		For >250 To 500, Deduct	*-102.47*	
		For >500, Deduct	*-147.44*	
26 51 19 00-0450	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,170.50	125.25
		For >50 To 100, Deduct	*-35.53*	
		For >100 To 250, Deduct	*-64.79*	
		For >250 To 500, Deduct	*-117.05*	
		For >500, Deduct	*-169.31*	

26 51 19 00-0451 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0441)*

26 51 19 00-0452	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	64.87	18.72
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-8.95*	
26 51 19 00-0453	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	64.87	18.72
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-8.95*	
26 51 19 00-0454	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	87.30	18.72
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.73*	
		For >500, Deduct	*-12.31*	
26 51 19 00-0455	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	132.18	18.72
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-7.39*	
		For >250 To 500, Deduct	*-13.22*	
		For >500, Deduct	*-19.05*	
26 51 19 00-0456	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	154.63	18.72
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 250, Deduct	*-8.51*	
		For >250 To 500, Deduct	*-15.46*	
		For >500, Deduct	*-22.41*	
26 51 19 00-0457	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	87.30	18.72
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.73*	
		For >500, Deduct	*-12.31*	
26 51 19 00-0458	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	89.56	18.72
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.65*	
26 51 19 00-0459	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	64.87	18.72
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-8.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0460	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	69.36	18.72
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-6.94*	
		For >500, Deduct	*-9.62*	
26 51 19 00-0461	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	44.68	18.72
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.47*	
		For >500, Deduct	*-5.92*	
26 51 19 00-0462	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	46.93	18.72
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.13*	
		For >250 To 500, Deduct	*-4.69*	
		For >500, Deduct	*-6.26*	
26 51 19 00-0463		**LED High Bay Fixtures (DLE)** *(26 51 19 00-0429)*		
26 51 19 00-0464	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,437.43	125.25
		For >50 To 100, Deduct	*-42.20*	
		For >100 To 250, Deduct	*-78.13*	
		For >250 To 500, Deduct	*-143.74*	
		For >500, Deduct	*-209.35*	
26 51 19 00-0465	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,764.42	125.25
		For >50 To 100, Deduct	*-50.37*	
		For >100 To 250, Deduct	*-94.48*	
		For >250 To 500, Deduct	*-176.44*	
		For >500, Deduct	*-258.40*	
26 51 19 00-0466	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,068.05	125.25
		For >50 To 100, Deduct	*-57.96*	
		For >100 To 250, Deduct	*-109.67*	
		For >250 To 500, Deduct	*-206.81*	
		For >500, Deduct	*-303.95*	
26 51 19 00-0467		**LED High Bay Fixtures (Everlast)** *(26 51 19 00-0429)*		
26 51 19 00-0468		**LED High Bay Fixtures (Everlast EL-LED-LG)** *(26 51 19 00-0467)*		
26 51 19 00-0469	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	972.43	125.25
		For >50 To 100, Deduct	*-30.57*	
		For >100 To 250, Deduct	*-54.88*	
		For >250 To 500, Deduct	*-97.24*	
		For >500, Deduct	*-139.60*	
26 51 19 00-0470	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,027.63	125.25
		For >50 To 100, Deduct	*-31.95*	
		For >100 To 250, Deduct	*-57.64*	
		For >250 To 500, Deduct	*-102.76*	
		For >500, Deduct	*-147.88*	
26 51 19 00-0471	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	917.22	125.25
		For >50 To 100, Deduct	*-29.19*	
		For >100 To 250, Deduct	*-52.12*	
		For >250 To 500, Deduct	*-91.72*	
		For >500, Deduct	*-131.32*	
26 51 19 00-0472	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	940.58	125.25
		For >50 To 100, Deduct	*-29.78*	
		For >100 To 250, Deduct	*-53.29*	
		For >250 To 500, Deduct	*-94.06*	
		For >500, Deduct	*-134.82*	
26 51 19 00-0473	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,067.97	125.25
		For >50 To 100, Deduct	*-32.96*	
		For >100 To 250, Deduct	*-59.66*	
		For >250 To 500, Deduct	*-106.80*	
		For >500, Deduct	*-153.93*	
26 51 19 00-0474	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,163.52	125.25
		For >50 To 100, Deduct	*-35.35*	
		For >100 To 250, Deduct	*-64.44*	
		For >250 To 500, Deduct	*-116.35*	
		For >500, Deduct	*-168.27*	
26 51 19 00-0475	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,017.01	125.25
		For >50 To 100, Deduct	*-31.69*	
		For >100 To 250, Deduct	*-57.11*	
		For >250 To 500, Deduct	*-101.70*	
		For >500, Deduct	*-146.29*	
26 51 19 00-0476	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,099.82	125.25
		For >50 To 100, Deduct	*-33.76*	
		For >100 To 250, Deduct	*-61.25*	
		For >250 To 500, Deduct	*-109.98*	
		For >500, Deduct	*-158.71*	
26 51 19 00-0477	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,598.80	125.25
		For >50 To 100, Deduct	*-46.23*	
		For >100 To 250, Deduct	*-86.20*	
		For >250 To 500, Deduct	*-159.88*	
		For >500, Deduct	*-233.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0478	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,747.43	125.25
		For >50 To 100, Deduct	*-49.95*	
		For >100 To 250, Deduct	*-93.63*	
		For >250 To 500, Deduct	*-174.74*	
		For >500, Deduct	*-255.85*	
26 51 19 00-0479	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,172.10	125.25
		For >50 To 100, Deduct	*-60.57*	
		For >100 To 250, Deduct	*-114.87*	
		For >250 To 500, Deduct	*-217.21*	
		For >500, Deduct	*-319.55*	

26 51 19 00-0480 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0467)*

26 51 19 00-0481	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	611.46	125.25
		For >50 To 100, Deduct	*-21.55*	
		For >100 To 250, Deduct	*-36.84*	
		For >250 To 500, Deduct	*-61.15*	
		For >500, Deduct	*-85.46*	
26 51 19 00-0482	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	898.11	125.25
		For >50 To 100, Deduct	*-28.72*	
		For >100 To 250, Deduct	*-51.17*	
		For >250 To 500, Deduct	*-89.81*	
		For >500, Deduct	*-128.45*	
26 51 19 00-0483	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,025.51	125.25
		For >50 To 100, Deduct	*-31.90*	
		For >100 To 250, Deduct	*-57.54*	
		For >250 To 500, Deduct	*-102.55*	
		For >500, Deduct	*-147.56*	
26 51 19 00-0484	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,174.14	125.25
		For >50 To 100, Deduct	*-35.62*	
		For >100 To 250, Deduct	*-64.97*	
		For >250 To 500, Deduct	*-117.41*	
		For >500, Deduct	*-169.86*	
26 51 19 00-0485	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,269.69	125.25
		For >50 To 100, Deduct	*-38.00*	
		For >100 To 250, Deduct	*-69.75*	
		For >250 To 500, Deduct	*-126.97*	
		For >500, Deduct	*-184.19*	

26 51 19 00-0486 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0467)*

26 51 19 00-0487	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	802.56	125.25
		For >50 To 100, Deduct	*-26.33*	
		For >100 To 250, Deduct	*-46.39*	
		For >250 To 500, Deduct	*-80.26*	
		For >500, Deduct	*-114.12*	
26 51 19 00-0488	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	855.64	125.25
		For >50 To 100, Deduct	*-27.65*	
		For >100 To 250, Deduct	*-49.04*	
		For >250 To 500, Deduct	*-85.56*	
		For >500, Deduct	*-122.08*	
26 51 19 00-0489	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	929.96	125.25
		For >50 To 100, Deduct	*-29.51*	
		For >100 To 250, Deduct	*-52.76*	
		For >250 To 500, Deduct	*-93.00*	
		For >500, Deduct	*-133.23*	

26 51 19 00-0490 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0467)*

26 51 19 00-0491	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	815.30	125.25
		For >50 To 100, Deduct	*-26.65*	
		For >100 To 250, Deduct	*-47.03*	
		For >250 To 500, Deduct	*-81.53*	
		For >500, Deduct	*-116.03*	
26 51 19 00-0492	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,004.28	125.25
		For >50 To 100, Deduct	*-31.37*	
		For >100 To 250, Deduct	*-56.48*	
		For >250 To 500, Deduct	*-100.43*	
		For >500, Deduct	*-144.38*	
26 51 19 00-0493	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,248.46	125.25
		For >50 To 100, Deduct	*-37.47*	
		For >100 To 250, Deduct	*-68.69*	
		For >250 To 500, Deduct	*-124.85*	
		For >500, Deduct	*-181.01*	

26 51 19 00-0494 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0429)*

26 51 19 00-0495	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	420.84	122.97
		For >50 To 100, Deduct	*-15.20*	
		For >100 To 250, Deduct	*-25.72*	
		For >250 To 500, Deduct	*-42.08*	
		For >500, Deduct	*-58.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0496	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	436.49	122.97
		For >50 To 100, Deduct	*-15.59*	
		For >100 To 250, Deduct	*-26.50*	
		For >250 To 500, Deduct	*-43.65*	
		For >500, Deduct	*-60.80*	
26 51 19 00-0497	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	471.71	122.97
		For >50 To 100, Deduct	*-16.47*	
		For >100 To 250, Deduct	*-28.26*	
		For >250 To 500, Deduct	*-47.17*	
		For >500, Deduct	*-66.08*	
26 51 19 00-0498	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	527.30	122.97
		For >50 To 100, Deduct	*-17.86*	
		For >100 To 250, Deduct	*-31.04*	
		For >250 To 500, Deduct	*-52.73*	
		For >500, Deduct	*-74.42*	
26 51 19 00-0499	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	572.57	122.97
		For >50 To 100, Deduct	*-18.99*	
		For >100 To 250, Deduct	*-38.31*	
		For >250 To 500, Deduct	*-57.26*	
		For >500, Deduct	*-81.21*	
26 51 19 00-0500	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	678.98	122.97
		For >50 To 100, Deduct	*-21.65*	
		For >100 To 250, Deduct	*-38.63*	
		For >250 To 500, Deduct	*-67.90*	
		For >500, Deduct	*-97.17*	
26 51 19 00-0501	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	814.83	122.97
		For >50 To 100, Deduct	*-25.05*	
		For >100 To 250, Deduct	*-45.42*	
		For >250 To 500, Deduct	*-81.48*	
		For >500, Deduct	*-117.55*	
26 51 19 00-0502	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,171.10	125.25
		For >50 To 100, Deduct	*-35.54*	
		For >100 To 250, Deduct	*-64.82*	
		For >250 To 500, Deduct	*-117.11*	
		For >500, Deduct	*-169.40*	
26 51 19 00-0503		LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0429)*		
26 51 19 00-0504	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	629.09	125.25
		For >50 To 100, Deduct	*-21.99*	
		For >100 To 250, Deduct	*-37.72*	
		For >250 To 500, Deduct	*-62.91*	
		For >500, Deduct	*-88.10*	
26 51 19 00-0505	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	678.45	125.25
		For >50 To 100, Deduct	*-23.22*	
		For >100 To 250, Deduct	*-40.19*	
		For >250 To 500, Deduct	*-67.85*	
		For >500, Deduct	*-95.51*	
26 51 19 00-0506	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	811.72	125.25
		For >50 To 100, Deduct	*-26.56*	
		For >100 To 250, Deduct	*-46.85*	
		For >250 To 500, Deduct	*-81.17*	
		For >500, Deduct	*-115.50*	
26 51 19 00-0507	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	865.03	125.25
		For >50 To 100, Deduct	*-27.89*	
		For >100 To 250, Deduct	*-49.51*	
		For >250 To 500, Deduct	*-86.50*	
		For >500, Deduct	*-123.49*	
26 51 19 00-0508		LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0429)*		
26 51 19 00-0509	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	745.51	125.25
		For >50 To 100, Deduct	*-24.90*	
		For >100 To 250, Deduct	*-43.54*	
		For >250 To 500, Deduct	*-74.55*	
		For >500, Deduct	*-105.56*	
26 51 19 00-0510	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	764.96	125.25
		For >50 To 100, Deduct	*-25.39*	
		For >100 To 250, Deduct	*-44.51*	
		For >250 To 500, Deduct	*-76.50*	
		For >500, Deduct	*-108.48*	
26 51 19 00-0511	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	772.79	125.25
		For >50 To 100, Deduct	*-25.58*	
		For >100 To 250, Deduct	*-44.90*	
		For >250 To 500, Deduct	*-77.28*	
		For >500, Deduct	*-109.66*	
26 51 19 00-0512	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	847.36	125.25
		For >50 To 100, Deduct	*-27.45*	
		For >100 To 250, Deduct	*-48.63*	
		For >250 To 500, Deduct	*-84.74*	
		For >500, Deduct	*-120.84*	
26 51 19 00-0513	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	934.21	125.25
		For >50 To 100, Deduct	*-29.62*	
		For >100 To 250, Deduct	*-52.97*	
		For >250 To 500, Deduct	*-93.42*	
		For >500, Deduct	*-133.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0514	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	966.80	125.25
		For >50 To 100, Deduct	*-30.43*	
		For >100 To 250, Deduct	*-54.60*	
		For >250 To 500, Deduct	*-96.68*	
		For >500, Deduct	*-138.76*	

26 51 19 00-0515 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0429)*

26 51 19 00-0516 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0515)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0517	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	946.95	125.25
		For >50 To 100, Deduct	*-29.94*	
		For >100 To 250, Deduct	*-53.61*	
		For >250 To 500, Deduct	*-94.70*	
		For >500, Deduct	*-135.78*	
26 51 19 00-0518	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,065.85	125.25
		For >50 To 100, Deduct	*-32.91*	
		For >100 To 250, Deduct	*-59.56*	
		For >250 To 500, Deduct	*-106.59*	
		For >500, Deduct	*-153.62*	
26 51 19 00-0519	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,237.84	125.25
		For >50 To 100, Deduct	*-37.21*	
		For >100 To 250, Deduct	*-68.15*	
		For >250 To 500, Deduct	*-123.78*	
		For >500, Deduct	*-179.41*	
26 51 19 00-0520	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,405.58	125.25
		For >50 To 100, Deduct	*-41.40*	
		For >100 To 250, Deduct	*-76.54*	
		For >250 To 500, Deduct	*-140.56*	
		For >500, Deduct	*-204.57*	

26 51 19 00-0521 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0515)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0522	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,031.88	125.25
		For 480 Volt, Add	*59.54*	
		For >50 To 100, Deduct	*-32.06*	
		For >100 To 250, Deduct	*-57.86*	
		For >250 To 500, Deduct	*-103.19*	
		For >500, Deduct	*-148.52*	
26 51 19 00-0523	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,445.92	125.25
		For 480 Volt, Add	*75.44*	
		For >50 To 100, Deduct	*-42.41*	
		For >100 To 250, Deduct	*-78.56*	
		For >250 To 500, Deduct	*-144.59*	
		For >500, Deduct	*-210.63*	
26 51 19 00-0524	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,586.14	125.25
		For 480 Volt, Add	*119.67*	
		For >50 To 100, Deduct	*-70.92*	
		For >100 To 250, Deduct	*-135.57*	
		For >250 To 500, Deduct	*-258.61*	
		For >500, Deduct	*-381.66*	

26 51 19 00-0525 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0515)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0526	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	808.93	125.25
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-26.49*	
		For >100 To 250, Deduct	*-46.71*	
		For >250 To 500, Deduct	*-80.89*	
		For >500, Deduct	*-115.08*	
26 51 19 00-0527	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	866.26	125.25
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-27.92*	
		For >100 To 250, Deduct	*-49.58*	
		For >250 To 500, Deduct	*-86.63*	
		For >500, Deduct	*-123.68*	
26 51 19 00-0528	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,063.73	125.25
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-32.86*	
		For >100 To 250, Deduct	*-59.45*	
		For >250 To 500, Deduct	*-106.37*	
		For >500, Deduct	*-153.30*	
26 51 19 00-0529	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,205.99	125.25
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-36.41*	
		For >100 To 250, Deduct	*-66.56*	
		For >250 To 500, Deduct	*-120.60*	
		For >500, Deduct	*-174.64*	
26 51 19 00-0530	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,254.90	125.25
		For >50 To 100, Deduct	*-62.64*	
		For >100 To 250, Deduct	*-119.01*	
		For >250 To 500, Deduct	*-225.49*	
		For >500, Deduct	*-331.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0531	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,441.76	125.25
		For >50 To 100, Deduct	*-67.31*	
		For >100 To 250, Deduct	*-128.35*	
		For >250 To 500, Deduct	*-244.18*	
		For >500, Deduct	*-360.00*	
26 51 19 00-0532	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,727.97	125.25
		For >50 To 100, Deduct	*-99.46*	
		For >100 To 250, Deduct	*-192.66*	
		For >250 To 500, Deduct	*-372.80*	
		For >500, Deduct	*-552.93*	

26 51 19 00-0533 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0534 Wet Location, LED Fixtures *(26 51 19 00-0533)*

26 51 19 00-0535 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0534)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0536	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	2,289.12	95.65
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-61.21*	
		For >100 To 250, Deduct	*-118.44*	
		For >250 To 500, Deduct	*-228.91*	
		For >500, Deduct	*-339.38*	
26 51 19 00-0537	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	2,334.01	102.47
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-62.62*	
		For >100 To 250, Deduct	*-120.97*	
		For >250 To 500, Deduct	*-233.40*	
		For >500, Deduct	*-345.83*	
26 51 19 00-0538	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	2,633.89	109.31
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-70.40*	
		For >100 To 250, Deduct	*-136.25*	
		For >250 To 500, Deduct	*-263.39*	
		For >500, Deduct	*-390.53*	
26 51 19 00-0539	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	3,167.77	116.14
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-84.03*	
		For >100 To 250, Deduct	*-163.23*	
		For >250 To 500, Deduct	*-316.78*	
		For >500, Deduct	*-470.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0540	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	4,035.91	122.97
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-106.02*	
		For >100 To 250, Deduct	*-206.92*	
		For >250 To 500, Deduct	*-403.59*	
		For >500, Deduct	*-600.26*	
26 51 19 00-0541	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	5,305.01	126.39
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-137.89*	
		For >100 To 250, Deduct	*-270.52*	
		For >250 To 500, Deduct	*-530.50*	
		For >500, Deduct	*-790.49*	
26 51 19 00-0542	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	6,141.53	129.80
		For Ceiling Mount, Add	*19.83*	
		For Quick Clip Mounting Option, Add	*29.15*	
		For Frosted Lens, Add	*62.70*	
		For Warm White Color Rendering, Add	*80.71*	
		For Stanchion Mount, Add	*135.26*	
		For Wall Mount, Add	*149.73*	
		For Polycarbonate Lens, Add	*116.20*	
		For Teflon Coated Lens, Add	*133.07*	
		For 480 Volt, Add	*190.09*	
		For >50 To 100, Deduct	*-158.95*	
		For >100 To 250, Deduct	*-312.49*	
		For >250 To 500, Deduct	*-614.15*	
		For >500, Deduct	*-915.82*	

26 51 19 00-0543 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0534)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0544	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	2,065.38	102.47
		For Bolt-On Visor, Add	*107.94*	
		For Bolt-On Wire Guard, Add	*222.02*	
		For 480 Volt, Add	*190.09*	
		For Warm White Color Rendering, Add	*80.71*	
		For >50 To 100, Deduct	*-55.90*	
		For >100 To 250, Deduct	*-107.54*	
		For >250 To 500, Deduct	*-206.54*	
		For >500, Deduct	*-305.54*	
26 51 19 00-0545	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	3,040.93	109.31
		For Bolt-On Visor, Add	*107.94*	
		For Bolt-On Wire Guard, Add	*222.02*	
		For 480 Volt, Add	*190.09*	
		For Warm White Color Rendering, Add	*80.71*	
		For >50 To 100, Deduct	*-80.58*	
		For >100 To 250, Deduct	*-156.60*	
		For >250 To 500, Deduct	*-304.09*	
		For >500, Deduct	*-451.59*	
26 51 19 00-0546	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	3,351.98	116.14
		For Bolt-On Visor, Add	*107.94*	
		For Bolt-On Wire Guard, Add	*222.02*	
		For 480 Volt, Add	*190.09*	
		For Warm White Color Rendering, Add	*80.71*	
		For >50 To 100, Deduct	*-88.64*	
		For >100 To 250, Deduct	*-172.44*	
		For >250 To 500, Deduct	*-335.20*	
		For >500, Deduct	*-497.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0547	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	3,846.66	122.97
		For Bolt-On Visor, Add	*107.94*	
		For Bolt-On Wire Guard, Add	*222.02*	
		For 480 Volt, Add	*190.09*	
		For Warm White Color Rendering, Add	*80.71*	
		For >50 To 100, Deduct	*-101.29*	
		For >100 To 250, Deduct	*-197.46*	
		For >250 To 500, Deduct	*-384.67*	
		For >500, Deduct	*-571.88*	
26 51 19 00-0548		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0534)*		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0549	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	1,436.65	95.65
		For 12/24 Volt DC Driver, Add	*30.68*	
		For Frosted Lens, Add	*62.70*	
		For 55 Degree Ambient Suitability (AC Only), Add	*41.77*	
		For Warm White Color Rendering, Add	*80.71*	
		For Ceiling Mount, Add	*95.31*	
		For Wall Mount, Add	*138.23*	
		For Teflon Coated Lens, Add	*133.07*	
		For Wall Mount With Junction Box, Add	*200.80*	
		For >50 To 100, Deduct	*-39.90*	
		For >100 To 250, Deduct	*-75.82*	
		For >250 To 500, Deduct	*-143.67*	
		For >500, Deduct	*-211.51*	
26 51 19 00-0550		Vaportight, LED Fixtures *(26 51 19 00-0533)*		
26 51 19 00-0551		General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0550)*		
26 51 19 00-0552	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	334.69	54.66
		For >50 To 100, Deduct	*-10.64*	
		For >100 To 250, Deduct	*-19.01*	
		For >250 To 500, Deduct	*-33.47*	
		For >500, Deduct	*-47.93*	
26 51 19 00-0553	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	349.27	54.66
		For >50 To 100, Deduct	*-11.01*	
		For >100 To 250, Deduct	*-19.74*	
		For >250 To 500, Deduct	*-34.93*	
		For >500, Deduct	*-50.11*	
26 51 19 00-0554	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	378.46	54.66
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-21.20*	
		For >250 To 500, Deduct	*-37.85*	
		For >500, Deduct	*-54.49*	
26 51 19 00-0555	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	337.37	68.32
		For >50 To 100, Deduct	*-11.28*	
		For >100 To 250, Deduct	*-19.72*	
		For >250 To 500, Deduct	*-33.74*	
		For >500, Deduct	*-47.76*	
26 51 19 00-0556	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	379.22	68.32
		For >50 To 100, Deduct	*-12.33*	
		For >100 To 250, Deduct	*-21.81*	
		For >250 To 500, Deduct	*-37.92*	
		For >500, Deduct	*-54.04*	
26 51 19 00-0557	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	532.54	68.32
		For >50 To 100, Deduct	*-16.16*	
		For >100 To 250, Deduct	*-29.47*	
		For >250 To 500, Deduct	*-53.25*	
		For >500, Deduct	*-77.03*	
26 51 19 00-0558		Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0550)*		
26 51 19 00-0559	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	363.86	54.66
		For >50 To 100, Deduct	*-11.37*	
		For >100 To 250, Deduct	*-20.47*	
		For >250 To 500, Deduct	*-36.39*	
		For >500, Deduct	*-52.30*	
26 51 19 00-0560	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	378.46	54.66
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-21.20*	
		For >250 To 500, Deduct	*-37.85*	
		For >500, Deduct	*-54.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0561	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	407.64	54.66
		For >50 To 100, Deduct	*-12.47*	
		For >100 To 250, Deduct	*-22.66*	
		For >250 To 500, Deduct	*-40.76*	
		For >500, Deduct	*-58.87*	
26 51 19 00-0562	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	474.18	68.32
		For >50 To 100, Deduct	*-14.70*	
		For >100 To 250, Deduct	*-26.56*	
		For >250 To 500, Deduct	*-47.42*	
		For >500, Deduct	*-68.28*	
26 51 19 00-0563	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	532.54	68.32
		For >50 To 100, Deduct	*-16.16*	
		For >100 To 250, Deduct	*-29.47*	
		For >250 To 500, Deduct	*-53.25*	
		For >500, Deduct	*-77.03*	
26 51 19 00-0564	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	590.91	68.32
		For >50 To 100, Deduct	*-17.62*	
		For >100 To 250, Deduct	*-32.39*	
		For >250 To 500, Deduct	*-59.09*	
		For >500, Deduct	*-85.79*	

26 51 19 00-0565 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0550)*

26 51 19 00-0566	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	363.86	54.66
		For >50 To 100, Deduct	*-11.37*	
		For >100 To 250, Deduct	*-20.47*	
		For >250 To 500, Deduct	*-36.39*	
		For >500, Deduct	*-52.30*	
26 51 19 00-0567	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	379.57	54.66
		For >50 To 100, Deduct	*-11.77*	
		For >100 To 250, Deduct	*-21.26*	
		For >250 To 500, Deduct	*-37.96*	
		For >500, Deduct	*-54.66*	
26 51 19 00-0568	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	407.64	54.66
		For >50 To 100, Deduct	*-12.47*	
		For >100 To 250, Deduct	*-22.66*	
		For >250 To 500, Deduct	*-40.76*	
		For >500, Deduct	*-58.87*	
26 51 19 00-0569	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	474.18	68.32
		For >50 To 100, Deduct	*-14.70*	
		For >100 To 250, Deduct	*-26.56*	
		For >250 To 500, Deduct	*-47.42*	
		For >500, Deduct	*-68.28*	
26 51 19 00-0570	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	532.54	68.32
		For >50 To 100, Deduct	*-16.16*	
		For >100 To 250, Deduct	*-29.47*	
		For >250 To 500, Deduct	*-53.25*	
		For >500, Deduct	*-77.03*	
26 51 19 00-0571	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	590.91	68.32
		For >50 To 100, Deduct	*-17.62*	
		For >100 To 250, Deduct	*-32.39*	
		For >250 To 500, Deduct	*-59.09*	
		For >500, Deduct	*-85.79*	

26 51 19 00-0572 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0573 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0572)*

26 51 19 00-0574	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	117.07	45.54
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-11.71*	
		For >500, Deduct	*-15.85*	
26 51 19 00-0575	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	121.91	45.54
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.19*	
		For >500, Deduct	*-16.58*	
26 51 19 00-0576	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	126.75	45.54
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-12.68*	
		For >500, Deduct	*-17.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0577	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	131.58	45.54
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 250, Deduct	*-8.29*	
		For >250 To 500, Deduct	*-13.16*	
		For >500, Deduct	*-18.03*	
26 51 19 00-0578	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	128.91	50.10
		For >50 To 100, Deduct	*-5.10*	
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.89*	
		For >500, Deduct	*-17.46*	
26 51 19 00-0579	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	133.75	50.10
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.57*	
		For >250 To 500, Deduct	*-13.38*	
		For >500, Deduct	*-18.18*	
26 51 19 00-0580	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	138.59	50.10
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.81*	
		For >250 To 500, Deduct	*-13.86*	
		For >500, Deduct	*-18.91*	
26 51 19 00-0581	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	143.43	50.10
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.34*	
		For >500, Deduct	*-19.64*	
26 51 19 00-0582	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	153.11	50.10
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.31*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0583	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	117.06	45.54
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-11.71*	
		For >500, Deduct	*-15.85*	
26 51 19 00-0584	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	121.90	45.54
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.19*	
		For >500, Deduct	*-16.58*	
26 51 19 00-0585	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	126.74	45.54
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-12.67*	
		For >500, Deduct	*-17.30*	
26 51 19 00-0586	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	131.58	45.54
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 250, Deduct	*-8.29*	
		For >250 To 500, Deduct	*-13.16*	
		For >500, Deduct	*-18.03*	
26 51 19 00-0587	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	128.91	50.10
		For >50 To 100, Deduct	*-5.10*	
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.89*	
		For >500, Deduct	*-17.46*	
26 51 19 00-0588	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	133.75	50.10
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.57*	
		For >250 To 500, Deduct	*-13.38*	
		For >500, Deduct	*-18.18*	
26 51 19 00-0589	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	138.59	50.10
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.81*	
		For >250 To 500, Deduct	*-13.86*	
		For >500, Deduct	*-18.91*	
26 51 19 00-0590	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	143.43	50.10
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.34*	
		For >500, Deduct	*-19.64*	
26 51 19 00-0591	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	153.11	50.10
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.31*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0592	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	117.06	45.54
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-11.71*	
		For >500, Deduct	*-15.85*	
26 51 19 00-0593	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	121.90	45.54
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.19*	
		For >500, Deduct	*-16.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0594	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	126.74	45.54
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-12.67*	
		For >500, Deduct	*-17.30*	
26 51 19 00-0595	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	131.58	45.54
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 250, Deduct	*-8.29*	
		For >250 To 500, Deduct	*-13.16*	
		For >500, Deduct	*-18.03*	
26 51 19 00-0596	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	128.91	50.10
		For >50 To 100, Deduct	*-5.10*	
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.89*	
		For >500, Deduct	*-17.46*	
26 51 19 00-0597	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	133.75	50.10
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.57*	
		For >250 To 500, Deduct	*-13.38*	
		For >500, Deduct	*-18.18*	
26 51 19 00-0598	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	138.59	50.10
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.81*	
		For >250 To 500, Deduct	*-13.86*	
		For >500, Deduct	*-18.91*	
26 51 19 00-0599	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	143.43	50.10
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.34*	
		For >500, Deduct	*-19.64*	
26 51 19 00-0600	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	153.11	50.10
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.31*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0601	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	117.06	45.54
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-11.71*	
		For >500, Deduct	*-15.85*	
26 51 19 00-0602	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	121.90	45.54
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.19*	
		For >500, Deduct	*-16.58*	
26 51 19 00-0603	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	126.74	45.54
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-12.67*	
		For >500, Deduct	*-17.30*	
26 51 19 00-0604	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	131.58	45.54
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 250, Deduct	*-8.29*	
		For >250 To 500, Deduct	*-13.16*	
		For >500, Deduct	*-18.03*	
26 51 19 00-0605	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	128.91	50.10
		For >50 To 100, Deduct	*-5.10*	
		For >100 To 250, Deduct	*-8.32*	
		For >250 To 500, Deduct	*-12.89*	
		For >500, Deduct	*-17.46*	
26 51 19 00-0606	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	133.75	50.10
		For >50 To 100, Deduct	*-5.22*	
		For >100 To 250, Deduct	*-8.57*	
		For >250 To 500, Deduct	*-13.38*	
		For >500, Deduct	*-18.18*	
26 51 19 00-0607	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	138.59	50.10
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.81*	
		For >250 To 500, Deduct	*-13.86*	
		For >500, Deduct	*-18.91*	
26 51 19 00-0608	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	143.43	50.10
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-14.34*	
		For >500, Deduct	*-19.64*	
26 51 19 00-0609	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	153.11	50.10
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.31*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0610	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	159.01	54.08
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.00*	
		For >250 To 500, Deduct	*-15.90*	
		For >500, Deduct	*-21.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0611	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	170.01	54.08
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.55*	
		For >250 To 500, Deduct	*-17.00*	
		For >500, Deduct	*-23.45*	
26 51 19 00-0612	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	167.33	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.42*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.05*	
26 51 19 00-0613	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	167.28	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.41*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.04*	
26 51 19 00-0614	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	179.69	54.08
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 250, Deduct	*-11.03*	
		For >250 To 500, Deduct	*-17.97*	
		For >500, Deduct	*-24.90*	
26 51 19 00-0615	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	175.69	54.08
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 250, Deduct	*-10.83*	
		For >250 To 500, Deduct	*-17.57*	
		For >500, Deduct	*-24.30*	
26 51 19 00-0616	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	192.45	54.08
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-11.67*	
		For >250 To 500, Deduct	*-19.25*	
		For >500, Deduct	*-26.82*	
26 51 19 00-0617	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	186.99	54.08
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.00*	
26 51 19 00-0618	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	187.04	54.08
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.01*	
26 51 19 00-0619	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	159.01	54.08
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.00*	
		For >250 To 500, Deduct	*-15.90*	
		For >500, Deduct	*-21.80*	
26 51 19 00-0620	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	170.01	54.08
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.55*	
		For >250 To 500, Deduct	*-17.00*	
		For >500, Deduct	*-23.45*	
26 51 19 00-0621	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	167.33	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.42*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.05*	
26 51 19 00-0622	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	167.28	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.41*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.04*	
26 51 19 00-0623	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	179.69	54.08
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 250, Deduct	*-11.03*	
		For >250 To 500, Deduct	*-17.97*	
		For >500, Deduct	*-24.90*	
26 51 19 00-0624	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	175.69	54.08
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 250, Deduct	*-10.83*	
		For >250 To 500, Deduct	*-17.57*	
		For >500, Deduct	*-24.30*	
26 51 19 00-0625	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	192.45	54.08
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-11.67*	
		For >250 To 500, Deduct	*-19.25*	
		For >500, Deduct	*-26.82*	
26 51 19 00-0626	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	186.99	54.08
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.00*	
26 51 19 00-0627	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	187.04	54.08
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0628	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	159.01	54.08
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.00*	
		For >250 To 500, Deduct	*-15.90*	
		For >500, Deduct	*-21.80*	
26 51 19 00-0629	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	170.01	54.08
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.55*	
		For >250 To 500, Deduct	*-17.00*	
		For >500, Deduct	*-23.45*	
26 51 19 00-0630	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	167.33	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.42*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.05*	
26 51 19 00-0631	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	167.28	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.41*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.04*	
26 51 19 00-0632	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	179.69	54.08
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 250, Deduct	*-11.03*	
		For >250 To 500, Deduct	*-17.97*	
		For >500, Deduct	*-24.90*	
26 51 19 00-0633	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	175.69	54.08
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 250, Deduct	*-10.83*	
		For >250 To 500, Deduct	*-17.57*	
		For >500, Deduct	*-24.30*	
26 51 19 00-0634	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	192.45	54.08
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-11.67*	
		For >250 To 500, Deduct	*-19.25*	
		For >500, Deduct	*-26.82*	
26 51 19 00-0635	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	186.99	54.08
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.00*	
26 51 19 00-0636	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	187.04	54.08
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.01*	
26 51 19 00-0637	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	159.01	54.08
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-10.00*	
		For >250 To 500, Deduct	*-15.90*	
		For >500, Deduct	*-21.80*	
26 51 19 00-0638	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	170.01	54.08
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 250, Deduct	*-10.55*	
		For >250 To 500, Deduct	*-17.00*	
		For >500, Deduct	*-23.45*	
26 51 19 00-0639	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	167.33	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.42*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.05*	
26 51 19 00-0640	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	167.28	54.08
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 250, Deduct	*-10.41*	
		For >250 To 500, Deduct	*-16.73*	
		For >500, Deduct	*-23.04*	
26 51 19 00-0641	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	179.69	54.08
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 250, Deduct	*-11.03*	
		For >250 To 500, Deduct	*-17.97*	
		For >500, Deduct	*-24.90*	
26 51 19 00-0642	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	175.69	54.08
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 250, Deduct	*-10.83*	
		For >250 To 500, Deduct	*-17.57*	
		For >500, Deduct	*-24.30*	
26 51 19 00-0643	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	192.45	54.08
		For >50 To 100, Deduct	*-6.86*	
		For >100 To 250, Deduct	*-11.67*	
		For >250 To 500, Deduct	*-19.25*	
		For >500, Deduct	*-26.82*	
26 51 19 00-0644	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	186.99	54.08
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0645	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	187.04	54.08
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-18.70*	
		For >500, Deduct	*-26.01*	
26 51 19 00-0646		**Ceiling Mounted, LED Mushroom Fixtures (Mobern)** *(26 51 19 00-0572)*		
26 51 19 00-0647	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	191.19	50.10
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 250, Deduct	*-11.44*	
		For >250 To 500, Deduct	*-19.12*	
		For >500, Deduct	*-26.80*	
26 51 19 00-0648		**Ceiling Mounted, LED Fixtures (Sylvania)** *(26 51 19 00-0572)*		
26 51 19 00-0649	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	707.53	54.08
		For >50 To 100, Deduct	*-19.74*	
		For >100 To 250, Deduct	*-37.43*	
		For >250 To 500, Deduct	*-70.75*	
		For >500, Deduct	*-104.08*	
26 51 19 00-0650	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	273.05	45.54
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-27.31*	
		For >500, Deduct	*-39.25*	
26 51 19 00-0651	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	339.80	53.06
		For >50 To 100, Deduct	*-10.49*	
		For >100 To 250, Deduct	*-18.98*	
		For >250 To 500, Deduct	*-33.98*	
		For >500, Deduct	*-48.98*	
26 51 19 00-0652	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	343.77	53.06
		For >50 To 100, Deduct	*-10.59*	
		For >100 To 250, Deduct	*-19.18*	
		For >250 To 500, Deduct	*-34.38*	
		For >500, Deduct	*-49.57*	
26 51 19 00-0653		**Refrigeration/Display LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0654		**Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 19 00-0653)*		
		Note: Fixtures exclude driver.		
26 51 19 00-0655	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	281.14	53.06
		For >50 To 100, Deduct	*-9.02*	
		For >100 To 250, Deduct	*-16.05*	
		For >250 To 500, Deduct	*-28.11*	
		For >500, Deduct	*-40.18*	
26 51 19 00-0656	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	369.43	93.93
		For >50 To 100, Deduct	*-12.79*	
		For >100 To 250, Deduct	*-22.03*	
		For >250 To 500, Deduct	*-36.94*	
		For >500, Deduct	*-51.86*	
26 51 19 00-0657	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	336.97	75.15
		For >50 To 100, Deduct	*-11.27*	
		For >100 To 250, Deduct	*-19.70*	
		For >250 To 500, Deduct	*-33.70*	
		For >500, Deduct	*-47.70*	
26 51 19 00-0658		**Wall Washers LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0659		**LED Wall Washers (GE Lumination™ LW Series)** *(26 51 19 00-0658)*		
26 51 19 00-0660	EA	4' Length, 5 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	650.74	68.32
		For >50 To 100, Deduct	*-19.12*	
		For >100 To 250, Deduct	*-35.38*	
		For >250 To 500, Deduct	*-65.07*	
		For >500, Deduct	*-94.76*	
26 51 19 00-0661	EA	4' Length, 8 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	828.41	68.32
		For >50 To 100, Deduct	*-23.56*	
		For >100 To 250, Deduct	*-44.27*	
		For >250 To 500, Deduct	*-82.84*	
		For >500, Deduct	*-121.42*	
26 51 19 00-0662	EA	8' Length, 5 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	1,216.09	85.40
		For >50 To 100, Deduct	*-33.96*	
		For >100 To 250, Deduct	*-64.36*	
		For >250 To 500, Deduct	*-121.61*	
		For >500, Deduct	*-178.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0663	EA	8' Length, 8 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	1,571.42	85.40
		For >50 To 100, Deduct	*-42.84*	
		For >100 To 250, Deduct	*-82.13*	
		For >250 To 500, Deduct	*-157.14*	
		For >500, Deduct	*-232.15*	
26 51 19 00-0664	EA	120" Leader Cable (GE LLWB-LC2-120)	146.82	6.23
		For >50 To 100, Deduct	*-4.29*	
		For >100 To 250, Deduct	*-7.96*	
		For >250 To 500, Deduct	*-14.68*	
		For >500, Deduct	*-21.40*	
26 51 19 00-0665	EA	48" Jumper Cable (GE LLWB-JC2-48)	149.29	6.23
		For >50 To 100, Deduct	*-4.36*	
		For >100 To 250, Deduct	*-8.09*	
		For >250 To 500, Deduct	*-14.93*	
		For >500, Deduct	*-21.77*	
26 51 19 00-0666	EA	10 Pack, 48" Mounting Track (GE LWW1-MT48/0)	97.53	34.90
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-9.75*	
		For >500, Deduct	*-13.26*	

26 51 19 00-0667 Linear LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0668 Wet Location, Linear LED Fixtures (Cree WS4) *(26 51 19 00-0667)*

26 51 19 00-0669	EA	4' Length, 4,700 Lumens, 50 Watt, Wet Location, Linear LED Fixture (Cree WS4)	570.37	68.32
		For >50 To 100, Deduct	*-17.11*	
		For >100 To 250, Deduct	*-31.37*	
		For >250 To 500, Deduct	*-57.04*	
		For >500, Deduct	*-82.71*	
26 51 19 00-0670	EA	4' Length, 5,000 Lumens, 51 Watt, Wet Location, Linear LED Fixture (Cree WS4)	617.26	68.32
		For >50 To 100, Deduct	*-18.28*	
		For >100 To 250, Deduct	*-33.71*	
		For >250 To 500, Deduct	*-61.73*	
		For >500, Deduct	*-89.74*	
26 51 19 00-0671	EA	4' Length, 5,900 Lumens, 63 Watt, Wet Location, Linear LED Fixture (Cree WS4)	644.40	68.32
		For >50 To 100, Deduct	*-18.96*	
		For >100 To 250, Deduct	*-35.07*	
		For >250 To 500, Deduct	*-64.44*	
		For >500, Deduct	*-93.81*	
26 51 19 00-0672	EA	4' Length, 6,300 Lumens, 64 Watt, Wet Location, Linear LED Fixture (Cree WS4)	644.40	68.32
		For >50 To 100, Deduct	*-18.96*	
		For >100 To 250, Deduct	*-35.07*	
		For >250 To 500, Deduct	*-64.44*	
		For >500, Deduct	*-93.81*	

26 51 19 00-0673 Pendant Mount, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0674 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) *(26 51 19 00-0673)*

26 51 19 00-0675	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,601.98	116.14
		For >50 To 100, Deduct	*-69.89*	
		For >100 To 250, Deduct	*-134.94*	
		For >250 To 500, Deduct	*-260.20*	
		For >500, Deduct	*-385.46*	
26 51 19 00-0676	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	3,930.10	122.97
		For >50 To 100, Deduct	*-103.38*	
		For >100 To 250, Deduct	*-201.63*	
		For >250 To 500, Deduct	*-393.01*	
		For >500, Deduct	*-584.39*	
26 51 19 00-0677	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,019.34	129.80
		For >50 To 100, Deduct	*-130.89*	
		For >100 To 250, Deduct	*-256.38*	
		For >250 To 500, Deduct	*-501.93*	
		For >500, Deduct	*-747.49*	
26 51 19 00-0678	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,347.45	136.64
		For >50 To 100, Deduct	*-164.38*	
		For >100 To 250, Deduct	*-323.07*	
		For >250 To 500, Deduct	*-634.75*	
		For >500, Deduct	*-946.42*	
26 51 19 00-0679	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,759.91	116.14
		For >50 To 100, Deduct	*-73.84*	
		For >100 To 250, Deduct	*-142.83*	
		For >250 To 500, Deduct	*-275.99*	
		For >500, Deduct	*-409.15*	
26 51 19 00-0680	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,139.35	122.97
		For >50 To 100, Deduct	*-108.61*	
		For >100 To 250, Deduct	*-212.09*	
		For >250 To 500, Deduct	*-413.94*	
		For >500, Deduct	*-615.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0681	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,230.57	129.80
		For >50 To 100, Deduct	*-136.17*	
		For >100 To 250, Deduct	*-266.94*	
		For >250 To 500, Deduct	*-523.06*	
		For >500, Deduct	*-779.18*	
26 51 19 00-0682	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,584.34	136.64
		For >50 To 100, Deduct	*-170.30*	
		For >100 To 250, Deduct	*-334.91*	
		For >250 To 500, Deduct	*-658.43*	
		For >500, Deduct	*-981.96*	
26 51 19 00-0683		Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0673)*		
26 51 19 00-0684	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,008.13	68.32
		For >50 To 100, Deduct	*-28.05*	
		For >100 To 250, Deduct	*-53.25*	
		For >250 To 500, Deduct	*-100.81*	
		For >500, Deduct	*-148.37*	
26 51 19 00-0685		LED Track Lighting Fixtures *(26 51 19)*		
26 51 19 00-0686	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	197.43	20.81
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-10.65*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-28.84*	
26 51 19 00-0687	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	342.23	20.81
		For >50 To 100, Deduct	*-9.33*	
		For >100 To 250, Deduct	*-17.89*	
		For >250 To 500, Deduct	*-34.22*	
		For >500, Deduct	*-50.56*	
26 51 19 00-0688	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	202.93	20.81
		For >50 To 100, Deduct	*-5.85*	
		For >100 To 250, Deduct	*-10.93*	
		For >250 To 500, Deduct	*-20.29*	
		For >500, Deduct	*-29.66*	
26 51 23		**HID Interior Lighting** *(26 51)*		
26 51 23 00-0001		Large Interior Area Fixtures *(26 51 23)*		
26 51 23 00-0002		Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*		
		Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*		
26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	481.97	132.86
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	502.01	141.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	525.80	161.02
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0007		Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*		
26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	490.67	132.86
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	505.71	141.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	538.33	161.02
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0011		Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*		
		Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012		High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*		
26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	445.38	121.38
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	458.30	128.89
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	487.04	147.11
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0016		**Metal Halide, Low Bay Fixtures** *(26 51 23 00-0011)*		
26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	438.68	121.38
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	450.79	128.89
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	490.44	147.11
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0020		**High Bay Fixtures, Large Interior Area Fixtures** *(26 51 23 00-0001)*		
		Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021		**High Pressure Sodium, High Bay Fixtures** *(26 51 23 00-0020)*		
		Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	413.22	128.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	446.72	147.11
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	646.73	154.74
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0025		**Metal Halide, High Bay Fixtures** *(26 51 23 00-0020)*		
		Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	384.54	128.89
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	424.02	147.11
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	547.23	154.74
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0029		Induction, High Bay Fixtures *(26 51 23 00-0020)*		
26 51 23 00-0030		Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*		
		Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	482.79	112.73
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	517.12	116.48
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	526.76	120.24
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	572.92	124.00
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	587.51	127.76
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	517.34	112.73
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	551.67	116.48
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	561.31	120.24
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	607.48	124.00
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	622.06	127.76
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041		Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*		
		Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	345.26	86.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	675.72	86.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	776.56	86.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,038.86	86.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0047		Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	315.72	86.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	332.37	95.84
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	353.60	103.81
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	396.84	123.63
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0052		High Pressure Sodium, Recessed Fixture Housings *(26 51 23)*		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	166.49	35.90
		For ICAT Housing, Add	*14.56*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	174.03	35.90
		For ICAT Housing, Add	*15.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	182.80	37.39
		For ICAT Housing, Add	*16.35*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	189.41	39.00
		For ICAT Housing, Add	*16.88*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	195.95	40.63
		For ICAT Housing, Add	*17.40*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	201.69	43.12
		For ICAT Housing, Add	*17.66*	
26 51 23 00-0059		Metal Halide Track Lighting Fixtures *(26 51 23)*		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	108.44	20.81
26 51 23 00-0061		Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	174.23	49.85
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	179.32	49.85
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	189.65	49.85
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	205.19	49.85
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	162.12	49.85
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	168.44	49.85
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	192.87	49.85
		For Wall Mounted, Add	*6.67*	
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		Accessories And Modifiers For Fixtures *(26 51 33)*		
26 51 33 00-0002		Lens Modifications *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	37.68	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	46.55	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	48.76	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	53.20	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	64.28	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.52	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	22.16	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	24.38	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	28.81	
26 51 33 00-0012		Pendant Mounting Modifications *(26 51 33 00-0001)*		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section	16.85	
		Note: Per pendant.		
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section	19.51	
		Note: Per pendant.		
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section	24.96	
		Note: Per pendant.		
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section	29.48	
		Note: Per pendant.		
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section	37.24	
		Note: Per pendant.		
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section	50.54	
		Note: Per pendant.		
26 51 33 00-0019		Fluorescent Light Accessories *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	30.98	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	170.65	
26 51 33 00-0022		Wire Guards *(26 51 33 00-0001)*		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	71.75	6.24
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	100.56	9.99
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	80.10	6.87
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	113.66	10.61
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	97.94	7.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	133.86	11.23
26 51 33 00-0029		Lighting Accessories *(26 51 33)*		
26 51 33 00-0030		Modular Flexible Wiring Systems *(26 51 33 00-0029)*		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	103.38	6.73
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	122.51	6.73
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	148.29	6.73
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	122.51	6.73
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	101.56	6.73
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	153.47	6.73
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	83.07	6.73
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	94.55	6.73
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	123.67	6.73
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	123.67	6.73
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	125.83	6.73
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	125.03	6.73
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	125.03	6.73
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	144.35	6.73
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	63.96	6.73
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	59.46	6.73
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	61.03	6.73
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	77.75	6.73
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	103.38	6.73
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	106.11	6.73
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	81.90	6.73
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	59.46	6.73
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	56.08	
26 51 33 00-0054		Additional Lighting Wire Whips *(26 51 33)*		
26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.85	
26 51 33 00-0056		Removal And Reinstallation Of Light Fixtures *(26 51 33)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	132.65	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	151.60	
26 52		**Safety Lighting** *(26 50)*		
26 52 13		**Emergency and Exit Lighting** *(26 52)*		
26 52 13 13		**Emergency Lighting** *(26 52 13)*		
26 52 13 13-0001		Commercial Emergency Lights *(26 52 13 13)*		
26 52 13 13-0002		Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)* Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	248.26	31.16
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	170.11	31.16
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	272.38	31.16
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	318.68	31.16
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	477.80	31.16
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	542.39	31.16
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	794.03	31.16
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0010		Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)* Note: For use with fixtures that have remote capability.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	168.40	18.69
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	169.56	18.69
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	173.47	18.69
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	172.83	18.69
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	148.85	18.69
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	101.22	18.69

26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	442.65	31.16
		For Wireguard, Add	*228.84*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	370.39	31.16
		For Wireguard, Add	*228.84*	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	581.58	31.16
		For Wireguard, Add	*228.84*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	618.03	31.16
		For Wireguard, Add	*228.84*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	885.33	31.16
		For Wireguard, Add	*243.74*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,396.68	31.16
		For Wireguard, Add	*243.74*	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	128.67	18.69
		For Wireguard, Add	*184.68*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	133.22	18.69
		For Wireguard, Add	*184.68*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	129.31	18.69
		For Wireguard, Add	*184.68*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	130.05	18.69
		For Wireguard, Add	*184.68*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	133.22	18.69
		For Wireguard, Add	*184.68*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	156.25	18.69
		For Wireguard, Add	*184.68*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	436.84	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	475.41	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	464.84	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	491.78	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	833.03	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*105.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	652.90	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	732.14	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	772.28	31.16
		For Wireguard, Add	*222.50*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	111.24	18.69
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	120.43	18.69
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	111.35	18.69
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	118.11	18.69
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	100.74	18.69
26 52 13 13-0049		Outdoor Emergency Lights *(26 52 13 13)*		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	691.46	31.16
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	826.17	31.16
26 52 13 13-0053		Recessed Emergency Lights *(26 52 13 13)*		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	754.23	31.16
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	589.73	62.31
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*243.74*	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	850.80	62.31
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*243.74*	
26 52 13 13-0057		Square Wraparound Emergency Lights *(26 52 13 13)*		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	342.46	31.16
26 52 13 16		**Exit Signs** *(26 52 13)*		
		Note: Excludes pendants.		
26 52 13 16-0001		LED Exit Signs *(26 52 13 16)*		
		Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	197.95	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-12.18*	
		For >250 To 500, Deduct	*-19.80*	
		For >500, Deduct	*-27.41*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	197.95	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 250, Deduct	*-12.18*	
		For >250 To 500, Deduct	*-19.80*	
		For >500, Deduct	*-27.41*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	277.88	45.55
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.22*	
		For >100 To 250, Deduct	*-16.17*	
		For >250 To 500, Deduct	*-27.79*	
		For >500, Deduct	*-39.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	277.88	45.55
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.22*	
		For >100 To 250, Deduct	*-16.17*	
		For >250 To 500, Deduct	*-27.79*	
		For >500, Deduct	*-39.40*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	306.43	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-17.60*	
		For >250 To 500, Deduct	*-30.64*	
		For >500, Deduct	*-43.69*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	348.09	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-19.68*	
		For >250 To 500, Deduct	*-34.81*	
		For >500, Deduct	*-49.94*	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	289.02	45.55
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.50*	
		For >100 To 250, Deduct	*-16.73*	
		For >250 To 500, Deduct	*-28.90*	
		For >500, Deduct	*-41.08*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	319.26	45.55
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.26*	
		For >100 To 250, Deduct	*-18.24*	
		For >250 To 500, Deduct	*-31.93*	
		For >500, Deduct	*-45.61*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	367.59	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.31*	
		For >100 To 250, Deduct	*-21.50*	
		For >250 To 500, Deduct	*-36.76*	
		For >500, Deduct	*-52.02*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) Note: Includes two circular side mounted LED emergency lights.	311.82	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.91*	
		For >100 To 250, Deduct	*-18.71*	
		For >250 To 500, Deduct	*-31.18*	
		For >500, Deduct	*-43.66*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights.	461.94	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-14.66*	
		For >100 To 250, Deduct	*-26.21*	
		For >250 To 500, Deduct	*-46.19*	
		For >500, Deduct	*-66.18*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) Note: Includes two circular side mounted PAR 36 emergency lights.	483.89	45.55
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.21*	
		For >100 To 250, Deduct	*-27.31*	
		For >250 To 500, Deduct	*-48.39*	
		For >500, Deduct	*-69.47*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	130.64	45.55
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 250, Deduct	*-8.81*	
		For >250 To 500, Deduct	*-13.06*	
		For >500, Deduct	*-17.32*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	131.15	45.55
		For >50 To 100, Deduct	*-5.56*	
		For >100 To 250, Deduct	*-8.84*	
		For >250 To 500, Deduct	*-13.12*	
		For >500, Deduct	*-17.39*	

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	272.79	45.55
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.10*	
		For >100 To 250, Deduct	*-15.92*	
		For >250 To 500, Deduct	*-27.28*	
		For >500, Deduct	*-38.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	275.68	45.55
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.17*	
		For >100 To 250, Deduct	*-16.06*	
		For >250 To 500, Deduct	*-27.57*	
		For >500, Deduct	*-39.07*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	295.19	45.55
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 250, Deduct	*-17.04*	
		For >250 To 500, Deduct	*-29.52*	
		For >500, Deduct	*-42.00*	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	353.52	45.55
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.12*	
		For >100 To 250, Deduct	*-19.95*	
		For >250 To 500, Deduct	*-35.35*	
		For >500, Deduct	*-50.75*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	585.56	45.55
		For >50 To 100, Deduct	*-16.92*	
		For >100 To 250, Deduct	*-31.56*	
		For >250 To 500, Deduct	*-58.56*	
		For >500, Deduct	*-85.56*	
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,079.48	45.55
		For >50 To 100, Deduct	*-29.26*	
		For >100 To 250, Deduct	*-56.25*	
		For >250 To 500, Deduct	*-107.95*	
		For >500, Deduct	*-159.64*	
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	698.07	45.55
		For >50 To 100, Deduct	*-19.73*	
		For >100 To 250, Deduct	*-37.18*	
		For >250 To 500, Deduct	*-69.81*	
		For >500, Deduct	*-102.43*	
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,169.81	45.55
		For >50 To 100, Deduct	*-31.52*	
		For >100 To 250, Deduct	*-60.77*	
		For >250 To 500, Deduct	*-116.98*	
		For >500, Deduct	*-173.19*	
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	641.55	45.55
		For >50 To 100, Deduct	*-18.32*	
		For >100 To 250, Deduct	*-34.36*	
		For >250 To 500, Deduct	*-64.16*	
		For >500, Deduct	*-93.95*	
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,169.81	45.55
		For >50 To 100, Deduct	*-31.52*	
		For >100 To 250, Deduct	*-60.77*	
		For >250 To 500, Deduct	*-116.98*	
		For >500, Deduct	*-173.19*	
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	787.88	45.55
		For >50 To 100, Deduct	*-21.97*	
		For >100 To 250, Deduct	*-41.67*	
		For >250 To 500, Deduct	*-78.79*	
		For >500, Deduct	*-115.90*	
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,452.95	45.55
		For >50 To 100, Deduct	*-38.60*	
		For >100 To 250, Deduct	*-74.93*	
		For >250 To 500, Deduct	*-145.30*	
		For >500, Deduct	*-215.66*	

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	552.28	45.55
		For >50 To 100, Deduct	*-16.08*	
		For >100 To 250, Deduct	*-29.89*	
		For >250 To 500, Deduct	*-55.23*	
		For >500, Deduct	*-80.56*	
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	858.14	45.55
		For >50 To 100, Deduct	*-23.73*	
		For >100 To 250, Deduct	*-45.18*	
		For >250 To 500, Deduct	*-85.81*	
		For >500, Deduct	*-126.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,045.67	45.55
		For >50 To 100, Deduct	*-28.42*	
		For >100 To 250, Deduct	*-54.56*	
		For >250 To 500, Deduct	*-104.57*	
		For >500, Deduct	*-154.57*	

26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	93.47	
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 250, Deduct	*-7.01*	
		For >250 To 500, Deduct	*-9.35*	
		For >500, Deduct	*-11.68*	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	130.59	12.49
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 250, Deduct	*-7.15*	
		For >250 To 500, Deduct	*-13.06*	
		For >500, Deduct	*-18.96*	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	75.92	12.49
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-10.76*	
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	121.89	9.99
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-12.19*	
		For >500, Deduct	*-17.78*	
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	130.40	
		For >50 To 100, Deduct	*-4.04*	
		For >100 To 250, Deduct	*-7.30*	
		For >250 To 500, Deduct	*-13.04*	
		For >500, Deduct	*-18.78*	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,476.31	102.47
		For Bolt-On Visor, Add	*94.27*	
		For Bolt-On Wire Guard, Add	*193.89*	
		For 480 Volt, Add	*166.01*	
		For Warm White Color Rendering, Add	*70.48*	
		For >50 To 100, Deduct	*-66.18*	
		For >100 To 250, Deduct	*-128.09*	
		For >250 To 500, Deduct	*-247.63*	
		For >500, Deduct	*-367.18*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,030.72	109.31
		For Bolt-On Visor, Add	*94.27*	
		For Bolt-On Wire Guard, Add	*193.89*	
		For 480 Volt, Add	*166.01*	
		For Warm White Color Rendering, Add	*70.48*	
		For >50 To 100, Deduct	*-80.32*	
		For >100 To 250, Deduct	*-156.09*	
		For >250 To 500, Deduct	*-303.07*	
		For >500, Deduct	*-450.05*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,422.26	116.14
		For Bolt-On Visor, Add	*94.27*	
		For Bolt-On Wire Guard, Add	*193.89*	
		For 480 Volt, Add	*166.01*	
		For Warm White Color Rendering, Add	*70.48*	
		For >50 To 100, Deduct	*-90.40*	
		For >100 To 250, Deduct	*-175.95*	
		For >250 To 500, Deduct	*-342.23*	
		For >500, Deduct	*-508.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	3,824.64	122.97
		For Bolt-On Visor, Add	*94.27*	
		For Bolt-On Wire Guard, Add	*193.89*	
		For 480 Volt, Add	*166.01*	
		For Warm White Color Rendering, Add	*70.48*	
		For >50 To 100, Deduct	*-100.74*	
		For >100 To 250, Deduct	*-196.36*	
		For >250 To 500, Deduct	*-382.46*	
		For >500, Deduct	*-568.57*	
26 54 19 00-0007		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,468.55	95.65
		For 12/24 Volt DC Driver, Add	*26.79*	
		For Frosted Lens, Add	*54.75*	
		For Warm White Color Temperature LEDs, Add	*70.48*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*36.48*	
		For Stanchion Mount, Add	*225.86*	
		For Ceiling Mount, Add	*90.57*	
		For Wall Mount, Add	*132.21*	
		For Teflon Coated Lens, Add	*116.21*	
		For Wall Mount With Junction Box, Add	*193.04*	
		For >50 To 100, Deduct	*-40.70*	
		For >100 To 250, Deduct	*-77.41*	
		For >250 To 500, Deduct	*-146.86*	
		For >500, Deduct	*-216.30*	
26 54 19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,327.44	95.65
		For Ceiling Mount, Add	*17.33*	
		For Quick Clip Mounting Option, Add	*25.46*	
		For Frosted Lens, Add	*54.75*	
		For Warm White Color Rendering, Add	*70.48*	
		For Polycarbonate Lens, Add	*101.48*	
		For 480 Volt, Add	*166.01*	
		For >50 To 100, Deduct	*-62.17*	
		For >100 To 250, Deduct	*-120.36*	
		For >250 To 500, Deduct	*-232.74*	
		For >500, Deduct	*-345.13*	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,577.37	102.47
		For Ceiling Mount, Add	*17.33*	
		For Quick Clip Mounting Option, Add	*25.46*	
		For Frosted Lens, Add	*54.75*	
		For Warm White Color Rendering, Add	*70.48*	
		For Polycarbonate Lens, Add	*101.48*	
		For 480 Volt, Add	*166.01*	
		For >50 To 100, Deduct	*-68.70*	
		For >100 To 250, Deduct	*-133.14*	
		For >250 To 500, Deduct	*-257.74*	
		For >500, Deduct	*-382.34*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	2,887.16	109.31
		For Ceiling Mount, Add	*17.33*	
		For Quick Clip Mounting Option, Add	*25.46*	
		For Frosted Lens, Add	*54.75*	
		For Warm White Color Rendering, Add	*70.48*	
		For Polycarbonate Lens, Add	*101.48*	
		For 480 Volt, Add	*166.01*	
		For >50 To 100, Deduct	*-76.73*	
		For >100 To 250, Deduct	*-148.91*	
		For >250 To 500, Deduct	*-288.72*	
		For >500, Deduct	*-428.52*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	3,758.39	116.14
		For Ceiling Mount, Add	*17.33*	
		For Quick Clip Mounting Option, Add	*25.46*	
		For Frosted Lens, Add	*54.75*	
		For Warm White Color Rendering, Add	*70.48*	
		For Polycarbonate Lens, Add	*101.48*	
		For 480 Volt, Add	*166.01*	
		For >50 To 100, Deduct	*-98.80*	
		For >100 To 250, Deduct	*-192.76*	
		For >250 To 500, Deduct	*-375.84*	
		For >500, Deduct	*-558.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,310.80	122.97
		For Ceiling Mount, Add	*17.33*	
		For Quick Clip Mounting Option, Add	*25.46*	
		For Frosted Lens, Add	*54.75*	
		For Warm White Color Rendering, Add	*70.48*	
		For Polycarbonate Lens, Add	*101.48*	
		For 480 Volt, Add	*166.01*	
		For >50 To 100, Deduct	*-112.89*	
		For >100 To 250, Deduct	*-220.66*	
		For >250 To 500, Deduct	*-431.08*	
		For >500, Deduct	*-641.50*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	3,746.19	102.47
		For Wall Mount, Deduct	*-14.26*	
		For Warm Color Temperature LEDs, Add	*76.86*	
		For Stainless Steel Guard, Add	*137.97*	
		For Ceiling Mount, Add	*166.44*	
		For Stanchion Mount, Add	*193.71*	
		For Yoke Mount, Add	*484.27*	
		For >50 To 100, Deduct	*-97.92*	
		For >100 To 250, Deduct	*-191.58*	
		For >250 To 500, Deduct	*-374.62*	
		For >500, Deduct	*-557.66*	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	4,553.22	109.31
		For Wall Mount, Deduct	*-14.26*	
		For Warm Color Temperature LEDs, Add	*76.86*	
		For Stainless Steel Guard, Add	*137.97*	
		For Ceiling Mount, Add	*166.44*	
		For Stanchion Mount, Add	*193.71*	
		For Yoke Mount, Add	*484.27*	
		For >50 To 100, Deduct	*-118.39*	
		For >100 To 250, Deduct	*-232.22*	
		For >250 To 500, Deduct	*-455.32*	
		For >500, Deduct	*-678.43*	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	5,288.02	116.14
		For Wall Mount, Deduct	*-14.26*	
		For Warm Color Temperature LEDs, Add	*76.86*	
		For Stainless Steel Guard, Add	*137.97*	
		For Ceiling Mount, Add	*166.44*	
		For Stanchion Mount, Add	*193.71*	
		For Yoke Mount, Add	*484.27*	
		For >50 To 100, Deduct	*-137.04*	
		For >100 To 250, Deduct	*-269.24*	
		For >250 To 500, Deduct	*-528.80*	
		For >500, Deduct	*-788.36*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	6,036.31	122.97
		For Wall Mount, Deduct	*-14.26*	
		For Warm Color Temperature LEDs, Add	*76.86*	
		For Stainless Steel Guard, Add	*137.97*	
		For Ceiling Mount, Add	*166.44*	
		For Stanchion Mount, Add	*193.71*	
		For Yoke Mount, Add	*484.27*	
		For >50 To 100, Deduct	*-156.03*	
		For >100 To 250, Deduct	*-306.94*	
		For >250 To 500, Deduct	*-603.63*	
		For >500, Deduct	*-900.32*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	6,992.86	118.42
		For Wall Mount, Deduct	*-14.26*	
		For Warm Color Temperature LEDs, Add	*76.86*	
		For Stainless Steel Guard, Add	*137.97*	
		For Ceiling Mount, Add	*166.44*	
		For Stanchion Mount, Add	*193.71*	
		For Yoke Mount, Add	*484.27*	
		For >50 To 100, Deduct	*-180.23*	
		For >100 To 250, Deduct	*-355.05*	
		For >250 To 500, Deduct	*-699.29*	
		For >500, Deduct	*-1,043.52*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0001		Bollards *(26 55 13)* Note: Excludes concrete base.		
26 55 13 00-0002		Aluminum Architectural Bollards *(26 55 13 00-0001)*		
26 55 13 00-0003		High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*		
26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.20	105.94
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.66	112.16
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,616.12	118.39
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,495.39	124.63
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.20	105.94
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.66	112.16
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,616.12	118.39
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,495.39	124.63
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.20	105.94
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.66	112.16
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,616.12	118.39
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,495.39	124.63
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.20	105.94
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,603.66	112.16
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,616.12	118.39
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,495.39	124.63
26 55 13 00-0021		Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*		
26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,530.03	105.94
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.49	112.16
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,554.95	118.39
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,433.67	124.63
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,530.03	105.94
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.49	112.16
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,554.95	118.39
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,433.67	124.63
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,530.03	105.94
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.49	112.16
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,554.95	118.39
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,433.67	124.63
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,530.03	105.94
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.49	112.16
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,554.95	118.39
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,433.67	124.63
26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,670.61	105.94
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,683.07	112.16
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,695.53	118.39
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,574.25	124.63
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,670.61	105.94
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,683.07	112.16
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,695.53	118.39
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,574.25	124.63
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,670.61	105.94
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,683.07	112.16
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,695.53	118.39
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,640.71	124.63
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,608.89	105.94
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,621.35	112.16
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,633.81	118.39
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,512.53	124.63
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,608.89	105.94
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,621.35	112.16
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,633.81	118.39
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,512.53	124.63
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,608.89	105.94
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,621.35	112.16
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,633.81	118.39
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,512.53	124.63
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.23	105.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,596.69	112.16
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,609.15	118.39
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,489.68	124.63
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.23	105.94
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,596.69	112.16
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,609.15	118.39
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,489.68	124.63
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.23	105.94
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,596.69	112.16
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,609.15	118.39
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,489.68	124.63
26 55 13 00-0079		**Round, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,523.86	105.94
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.32	112.16
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,548.78	118.39
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,430.47	124.63
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,523.86	105.94
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.32	112.16
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,548.78	118.39
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,430.47	124.63
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,523.86	105.94
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.32	112.16
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,548.78	118.39
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,430.47	124.63
26 55 13 00-0092		**LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0093		**Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,897.71	105.94
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,910.17	112.16
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,922.63	118.39
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,804.83	124.63
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,318.01	105.94
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,330.47	112.16
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,342.93	118.39
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,223.04	124.63
26 55 13 00-0102		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,835.02	105.94
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,847.48	112.16
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,859.94	118.39
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,740.05	124.63
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,255.32	105.94
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,267.78	112.16
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,280.24	118.39
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,161.09	124.63
26 55 13 00-0111		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,569.44	311.57
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,761.53	415.38
26 55 13 00-0114		**Low Voltage** *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	758.43	226.82
26 55 13 00-0116	EA	Low Voltage Walkway	524.05	124.63
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	532.62	166.38
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	454.10	124.63
26 55 13 00-0119		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	863.43	199.41
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	938.37	199.41
26 55 13 00-0122		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	778.49	199.41
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	793.48	199.41
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	838.45	199.41
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	833.45	199.41
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	1,166.04	199.41
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,283.14	199.41
26 55 13 00-0129		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	409.14	124.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	394.15	124.63
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	627.55	166.38
26 55 13 00-0133		**Step Lights** *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	334.24	99.70
26 55 13 00-0135	EA	Fluorescent Step Light	384.27	99.70
26 55 13 00-0136	EA	5 Watt, LED Step Light	640.47	99.70
26 55 13 00-0137	EA	15 Watt, LED Step Light	765.38	99.70
26 55 13 00-0138		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	692.50	166.38
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	707.49	166.38
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	898.21	249.26
26 55 13 00-0142		**Step Lighting Faceplate Trim Replacement** *(26 55 13)*		
26 55 13 00-0143	EA	8.07" x 3.62", Bronze Finish, Diffused Lens, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STO209 #TA9138U9)	71.51	17.45
26 55 13 00-0144	EA	9.84" x 3.62", Bronze Finish, Diffused Lens, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STO259 #TA9132U9)	86.02	17.45
26 55 13 00-0145	EA	9.84" x 3.62", Bronze Finish, Diffused Lens, Recessed Vertical Step Lighting Faceplate Trim (WE-EF SVO259 #133-0107)	160.36	17.45
26 55 13 00-0146	EA	8.07" x 3.62", Bronze Finish, Diffused Grille, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STG209 #TA9139U9)	91.46	17.45
26 55 13 00-0147	EA	9.84" x 3.62", Bronze Finish, Diffused Grille, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STG259 #TA9133U9)	98.71	17.45
26 55 13 00-0148	EA	8.07" x 3.62", Bronze Finish, Shielded Louver, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STL209 #TA9140U9)	82.39	17.45
26 55 13 00-0149	EA	9.84" x 3.62", Bronze Finish, Shielded Louver, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STL259 #TA9134U9)	96.89	17.45
26 55 13 00-0150	EA	9.84" x 3.62", Bronze Finish, Shielded Louver, Recessed Vertical Step Lighting Faceplate Trim (WE-EF SVL259 #133-0114)	107.77	17.45
26 55 13 00-0151	EA	8.07" x 3.62", Bronze Finish, Asymmetric Forward Throw, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STP209 #TA9141U9)	82.39	17.45
26 55 13 00-0152	EA	9.84" x 3.62", Bronze Finish, Asymmetric Forward Throw, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STP259 #TA9135U9)	96.89	17.45
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	408.84	115.90
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	629.35	182.20
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	665.66	188.81
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	716.29	196.04
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	767.49	211.87
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	685.40	196.04
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	688.78	182.20
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	702.75	188.81
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	553.13	129.86
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	584.02	129.86
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	614.92	129.86
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	694.17	146.18
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	526.87	116.65
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	571.39	182.20
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	602.66	188.81
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	645.33	196.04
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	692.33	211.87
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	621.20	196.04
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	617.82	182.20
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	631.64	188.81
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	488.93	129.86
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	513.07	129.86
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	537.20	129.86
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	606.31	146.18
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	467.53	116.65
26 55 16 00-0029		**Walkway, Adjustable** *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	591.89	166.38
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	607.13	166.38
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,037.07	249.26
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	493.14	124.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	513.46	124.63
26 55 16 00-0035		LED Walkway *(26 55 16)*		
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,002.44	95.65
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,034.86	95.65
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,092.08	95.65
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,135.95	95.65
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,305.49	122.97
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,478.95	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,133.70	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,058.49	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	550.48	82.88
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	610.43	82.88
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,473.33	124.63
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	575.46	82.88
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	645.41	82.88
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,647.60	186.94
26 55 39		**Helipad Lighting** *(26 55)*		
26 55 39 00-0001	EA	Heliport Perimeter Light, 40 Watt With Base Housing	521.07	170.79
26 55 39 00-0002	EA	Heliport Landing Direction Light, 40 Watt With Base Housing	521.07	170.79
26 55 39 00-0003	EA	Heliport Pad Insert Light, 40 Watt With Base Housing	1,379.05	170.79
26 55 39 00-0004	EA	Heliport 10' Steel Pole, With 2 - 500 Watt Floodlights	5,193.62	455.45
26 55 39 00-0005	EA	Heliport 1 Obstruction Light, 69 Watt	499.37	142.33
26 55 39 00-0006	EA	Heliport 2 Obstruction Light, 2 - 69 Watt	640.24	170.79
26 55 39 00-0007	EA	Lighted Wind Cone, 8' Wind Sock x 20' Standard 4 Deep Bowl - 150 Watt Fixture Reflector Fixtures, 1 - 69 Watt Obstruction Light	6,420.74	1,743.47
26 55 39 00-0008	EA	Heliport Light Photoelectric Control	642.90	113.86
26 55 39 00-0009	EA	Heliport Air To Ground Radio Control Receiver	2,807.73	227.72
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	382.54	104.61
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	386.00	104.61
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	391.78	104.61
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	520.04	104.61
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	776.95	139.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	781.57	139.48
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	789.66	139.48
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	880.94	139.48
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	907.51	139.48
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	768.86	139.48
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	809.30	139.48
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	830.10	139.48
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	792.18	156.92
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	797.95	156.92
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	807.20	156.92
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	897.32	156.92
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	922.74	156.92
26 55 53 11-0027		Metal Halide PF-154 GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	785.24	156.92
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	824.53	156.92
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	845.33	156.92
26 55 53 11-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,064.86	156.92
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,145.74	156.92
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,139.97	156.92
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,168.85	156.92
26 55 53 11-0037		Metal Halide PF-400 GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,094.90	156.92
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,119.17	156.92
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,144.59	156.92
26 55 53 11-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		High Pressure Sodium PF-1000 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,445.22	174.34
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,445.22	174.34
26 55 53 11-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,378.21	174.34
26 55 53 11-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,175.79	156.92
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,197.74	156.92
26 55 53 11-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,188.50	156.92
26 55 53 11-0053		Accessories For Powerflood GE Flood Lights *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	202.62	34.87
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	117.11	34.87
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	170.26	34.87
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	129.82	34.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	327.08	104.61
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	142.53	34.87
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	240.42	104.61
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	250.82	104.61
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	106.71	34.87
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	103.25	34.87
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	715.43	139.48
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	782.15	139.48
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	847.48	139.48
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	929.01	139.48
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	912.95	139.48
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	887.06	139.48
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	885.15	139.48
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	922.35	139.48
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,097.95	156.92
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,120.21	156.92
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,047.95	156.92
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,047.95	156.92
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,082.84	156.92
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,051.99	139.48
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,085.29	139.48
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,113.12	139.48
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,040.85	139.48
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,074.20	139.48
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,044.62	174.34
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,571.97	174.34
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,738.78	174.34
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	174.59	34.87
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	338.31	34.87
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	143.69	34.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	193.72	34.87
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	431.60	104.61
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	343.07	104.61
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	343.07	104.61
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	378.38	104.61
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	166.98	34.87
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	133.06	34.87
26 55 53 11-0110		Flood Lights (Eaton) *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,126.62	139.48
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*59.82*	
		For >50 To 100, Deduct	*-35.14*	
		For >100 To 250, Deduct	*-63.30*	
		For >250 To 500, Deduct	*-112.66*	
		For >500, Deduct	*-162.02*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,400.93	153.50
		For >50 To 100, Deduct	*-42.70*	
		For >100 To 250, Deduct	*-77.72*	
		For >250 To 500, Deduct	*-140.09*	
		For >500, Deduct	*-202.46*	
26 55 53 11-0113		Flood Lights (Ruud) *(26 55 53 11)*		
26 55 53 11-0114		NS (Micro) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		High Pressure Sodium NS Series Ruud Flood Lights *(26 55 53 11-0114)*		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	470.35	104.61
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	470.35	104.61
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	470.35	104.61
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	470.35	104.61
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	470.35	104.61
26 55 53 11-0121		Metal Halide NS Series Ruud Flood Lights *(26 55 53 11-0114)*		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	535.06	104.61
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	535.06	104.61
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	535.06	104.61
26 55 53 11-0125		Compact Fluorescent NS Series Ruud Flood Lights *(26 55 53 11-0114)*		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	403.34	104.61
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	419.51	104.61
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	424.13	104.61
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	428.76	104.61
26 55 53 11-0130		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	725.16	156.92
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	766.76	156.92
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	789.87	156.92
26 55 53 11-0135		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	715.92	156.92
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	720.54	156.92
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	734.40	156.92
26 55 53 11-0139		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*		
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	699.74	156.92
26 55 53 11-0141		FS (Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142		High Pressure Sodium FS Series Ruud Flood Lights *(26 55 53 11-0141)*		
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	847.64	156.92
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	852.26	156.92
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,446.38	174.34
26 55 53 11-0146		Metal Halide FS Series Ruud Flood Lights *(26 55 53 11-0141)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	847.64	156.92
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	852.26	156.92
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	866.13	156.92
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,293.86	174.34
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	664.87	139.48
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	713.40	139.48
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	713.40	139.48
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	713.40	139.48
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	713.40	139.48
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	729.58	139.48
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	729.58	139.48
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	729.58	139.48
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	704.16	139.48
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	722.64	139.48
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	771.17	139.48
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	771.17	139.48
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	771.17	139.48
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	771.17	139.48
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	787.35	139.48
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	787.35	139.48
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	787.35	139.48
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	761.93	139.48
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	956.25	156.92
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	979.36	156.92
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,504.15	174.34
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	905.41	156.92
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	910.03	156.92
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	923.90	156.92
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,351.63	174.34
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,236.09	174.34
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,476.42	174.34
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,180.62	174.34
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,323.90	174.34
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	988.60	156.92
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,011.71	156.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	937.76	156.92
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	942.38	156.92
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	956.25	156.92
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,383.98	174.34
26 55 53 11-0201		Accessories For Ruud Flood Lighting *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	104.40	34.87
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	166.80	34.87
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	120.58	34.87
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	143.69	34.87
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	287.79	104.61
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	90.54	34.87
26 55 53 11-0208		Flood Lights (Lumark) *(26 55 53 11)*		
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights *(26 55 53 11-0208)* Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	256.48	104.61
26 55 53 11-0211		LQL Series Quartz Lumark Flood Lights *(26 55 53 11-0208)* Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	324.65	104.61
26 55 53 11-0213		Flood Lights (Kim Lighting) *(26 55 53 11)*		
26 55 53 11-0214		MicroFlood® Series Kim Lighting Flood Lights *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		LED MicroFlood® Series Kim Lighting Flood Lights *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	542.38	43.69
		For >50 To 100, Deduct	*-15.74*	
		For >100 To 250, Deduct	*-29.30*	
		For >250 To 500, Deduct	*-54.24*	
		For >500, Deduct	*-79.17*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	670.63	43.69
		For >50 To 100, Deduct	*-18.95*	
		For >100 To 250, Deduct	*-35.72*	
		For >250 To 500, Deduct	*-67.06*	
		For >500, Deduct	*-98.41*	
26 55 53 11-0218		Scarab® Series Kim Lighting Flood Lights *(26 55 53 11-0213)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		LED Scarab® Series Kim Lighting Accent Flood Lights *(26 55 53 11-0218)* Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	828.21	43.69
		For >50 To 100, Deduct	*-22.89*	
		For >100 To 250, Deduct	*-43.60*	
		For >250 To 500, Deduct	*-82.82*	
		For >500, Deduct	*-122.05*	
26 55 53 11-0221		Flood Lights (CREE® BetaLED®) *(26 55 53 11)*		
26 55 53 11-0222		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,296.38	125.58
		For >50 To 100, Deduct	*-38.69*	
		For >100 To 250, Deduct	*-71.10*	
		For >250 To 500, Deduct	*-129.64*	
		For >500, Deduct	*-188.18*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,420.97	132.56
		For >50 To 100, Deduct	*-42.15*	
		For >100 To 250, Deduct	*-77.68*	
		For >250 To 500, Deduct	*-142.10*	
		For >500, Deduct	*-206.52*	
26 55 53 11-0225		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,124.13	118.61
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-34.03*	
		For >100 To 250, Deduct	*-62.14*	
		For >250 To 500, Deduct	*-112.41*	
		For >500, Deduct	*-162.69*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,418.45	125.58
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-41.74*	
		For >100 To 250, Deduct	*-77.20*	
		For >250 To 500, Deduct	*-141.85*	
		For >500, Deduct	*-206.49*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,712.79	132.56
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-49.45*	
		For >100 To 250, Deduct	*-92.27*	
		For >250 To 500, Deduct	*-171.28*	
		For >500, Deduct	*-250.29*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,119.65	139.53
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-59.97*	
		For >100 To 250, Deduct	*-112.96*	
		For >250 To 500, Deduct	*-211.97*	
		For >500, Deduct	*-310.97*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,413.98	146.52
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-67.68*	
		For >100 To 250, Deduct	*-128.02*	
		For >250 To 500, Deduct	*-241.40*	
		For >500, Deduct	*-354.77*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,708.31	153.50
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-75.38*	
		For >100 To 250, Deduct	*-143.09*	
		For >250 To 500, Deduct	*-270.83*	
		For >500, Deduct	*-398.57*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,092.28	160.47
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-85.33*	
		For >100 To 250, Deduct	*-162.64*	
		For >250 To 500, Deduct	*-309.23*	
		For >500, Deduct	*-455.82*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,386.61	167.45
		For 480 Volt, Add	*107.78*	
		For >50 To 100, Deduct	*-93.04*	
		For >100 To 250, Deduct	*-177.70*	
		For >250 To 500, Deduct	*-338.66*	
		For >500, Deduct	*-499.62*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,595.78	153.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*50.79*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.96*	
		For >50 To 100, Deduct	*-72.57*	
		For >100 To 250, Deduct	*-137.46*	
		For >250 To 500, Deduct	*-259.58*	
		For >500, Deduct	*-381.69*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,413.43	188.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Bird Spikes, Add	*75.54*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.96*	
		For 480 Volt, Add	*202.45*	
		For >50 To 100, Deduct	*-119.75*	
		For >100 To 250, Deduct	*-230.09*	
		For >250 To 500, Deduct	*-441.34*	
		For >500, Deduct	*-652.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0237		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,511.62	153.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Front Facing Optics, Back Light Shield, Add	*38.96*	
		For Rotated Optics, Back Light Shield, Add	*38.96*	
		For Field Adjustable Output, Add	*33.75*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-45.47*	
		For >100 To 250, Deduct	*-83.26*	
		For >250 To 500, Deduct	*-151.16*	
		For >500, Deduct	*-219.07*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,617.91	153.50
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Front Facing Optics, Back Light Shield, Add	*38.96*	
		For Rotated Optics, Back Light Shield, Add	*38.96*	
		For Field Adjustable Output, Add	*33.75*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Type II Medium Or Type V Short Optics, Add	*281.17*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-48.12*	
		For >100 To 250, Deduct	*-88.57*	
		For >250 To 500, Deduct	*-161.79*	
		For >500, Deduct	*-235.01*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,077.40	188.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Front Facing Optics, Back Light Shield, Add	*47.18*	
		For Rotated Optics, Back Light Shield, Add	*47.18*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-61.35*	
		For >100 To 250, Deduct	*-113.29*	
		For >250 To 500, Deduct	*-207.74*	
		For >500, Deduct	*-302.19*	
26 55 53 11-0241		Flood Lights (PlanLED) *(26 55 53 11)*		
26 55 53 11-0242		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*		
26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	665.22	125.58
		For >50 To 100, Deduct	*-22.91*	
		For >100 To 250, Deduct	*-39.54*	
		For >250 To 500, Deduct	*-66.52*	
		For >500, Deduct	*-93.50*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	795.96	132.56
		For >50 To 100, Deduct	*-26.53*	
		For >100 To 250, Deduct	*-46.43*	
		For >250 To 500, Deduct	*-79.60*	
		For >500, Deduct	*-112.77*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	918.81	143.03
		For >50 To 100, Deduct	*-30.12*	
		For >100 To 250, Deduct	*-53.09*	
		For >250 To 500, Deduct	*-91.88*	
		For >500, Deduct	*-130.67*	
26 55 53 11-0246		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*		
26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,864.00	279.08
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-60.55*	
		For >100 To 250, Deduct	*-107.15*	
		For >250 To 500, Deduct	*-186.40*	
		For >500, Deduct	*-265.65*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,893.80	279.08
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-86.30*	
		For >100 To 250, Deduct	*-158.64*	
		For >250 To 500, Deduct	*-289.38*	
		For >500, Deduct	*-420.12*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,110.54	279.08
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For >50 To 100, Deduct	*-141.72*	
		For >100 To 250, Deduct	*-269.48*	
		For >250 To 500, Deduct	*-511.05*	
		For >500, Deduct	*-752.63*	
26 55 53 11-0250		Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*		
26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,651.65	181.41
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For 480 Volt, Add	*138.02*	
		For >50 To 100, Deduct	*-50.36*	
		For >100 To 250, Deduct	*-91.65*	
		For >250 To 500, Deduct	*-165.17*	
		For >500, Deduct	*-238.68*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,115.74	188.38
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For 480 Volt, Add	*111.45*	
		For >50 To 100, Deduct	*-62.31*	
		For >100 To 250, Deduct	*-115.21*	
		For >250 To 500, Deduct	*-211.57*	
		For >500, Deduct	*-307.94*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,700.87	195.36
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For 480 Volt, Add	*90.35*	
		For >50 To 100, Deduct	*-77.29*	
		For >100 To 250, Deduct	*-144.81*	
		For >250 To 500, Deduct	*-270.09*	
		For >500, Deduct	*-395.36*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,042.26	139.48
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,113.90	139.48
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,044.57	139.48

26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,106.25	139.48
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,072.31	139.48

26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	993.02	139.48
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,035.77	139.48

26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	877.47	139.48

26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,404.78	174.34
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,425.58	174.34

26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,397.85	174.34
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,425.58	174.34
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,041.75	156.92
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,122.64	156.92
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)*		
		See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)*		
		Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)*		
		Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,426.60	209.22
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,616.10	209.22
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,625.34	209.22
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,914.20	209.22
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,794.04	209.22
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,665.90	209.22
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,544.46	209.22
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,664.62	209.22
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
		See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** *(26 55)*		
26 55 61 00-0001		Stage Lighting *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses	650.26	151.43
		Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses	650.26	151.43
		Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses	650.26	151.43
		Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14	671.03	151.43
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1	530.38	151.43
		Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak	866.00	151.43
		Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight	2,263.97	151.43
		Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight	2,726.86	151.43
		Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel	483.80	151.43
		Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire	1,725.47	151.43
		Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	2,938.45	151.43
26 55 63		**Detention Lighting** *(26 55)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0001		**Maximum Security Recessed Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,189.66	40.98
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,305.29	40.98
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,144.32	49.19
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,561.47	57.39
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,561.47	57.39
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,561.47	57.39
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,189.66	40.98
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,363.10	40.98
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,202.13	49.20
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,388.03	57.39
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,388.03	57.39
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,388.03	57.39
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,045.13	40.98
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,045.13	40.98
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,259.95	49.19
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,503.66	57.39
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,515.22	57.39
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,515.22	57.39
26 55 63 00-0020		**Maximum Security Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,074.04	40.98
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,334.20	40.98
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,016.22	40.98
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,016.22	40.98
26 55 63 00-0025	EA	19" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	999.79	49.19
26 55 63 00-0026	EA	19" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,237.26	53.29
26 55 63 00-0027	EA	19" x 48", Three 32 Watt, Lamps,14 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,266.17	53.29
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,266.17	53.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0029		**Ultimax Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	992.84	40.98
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,286.76	40.98
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,104.13	49.19
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,133.40	57.39
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,138.25	57.39
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,143.11	57.39
26 55 63 00-0036		**Maximum Security Wall Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0037	EA	10.5" x 48", Two 32 Watt Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 1 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,305.29	41.13
26 55 63 00-0038	EA	10.5" x 48", Three 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,305.29	41.13
26 55 63 00-0039	EA	10.5" x 48", Four 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 2 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,305.29	41.13
26 55 68		**Athletic Field Lighting** *(26 55)*		
26 55 68 00-0001		**Sports Lighting System** *(26 55 68)* Note: Musco.		
26 55 68 00-0002		**Round Steel Tapered Poles** *(26 55 68 00-0001)* Note: With Internal wiring harness.		
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,112.26	669.49
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,948.03	808.97
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,579.65	878.71
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,105.62	913.58
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,676.94	948.45
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,804.35	1,157.67
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,462.95	1,227.41
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,749.42	1,394.78
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,205.58	1,569.13
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,478.64	1,721.14
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,696.89	1,923.63
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,017.27	2,159.86
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	17,950.24	2,598.59
26 55 68 00-0016		**Steel Pole Brackets** *(26 55 68 00-0001)*		
26 55 68 00-0017	EA	Two Light Bracket	729.63	69.74
26 55 68 00-0018	EA	Three Light Bracket	916.22	97.64
26 55 68 00-0019	EA	Four Light Bracket	1,327.32	118.55
26 55 68 00-0020	EA	Five Light Bracket	1,509.57	139.48
26 55 68 00-0021	EA	Six Light Bracket	1,833.41	160.40
26 55 68 00-0022	EA	Seven Light Bracket	2,099.44	181.33
26 55 68 00-0023	EA	Eight Light Bracket	2,401.73	209.22
26 55 68 00-0024	EA	Nine Light Bracket	2,715.00	230.14
26 55 68 00-0025		**Light Fixtures** *(26 55 68 00-0001)*		
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,425.74	
		For 1,500 Watt Metal Halide Lamp, Add	*15.16*	
26 55 68 00-0027		**Electrical Component Enclosure** *(26 55 68 00-0001)* Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,019.00	81.00
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,529.02	124.63
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,754.42	155.78
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,268.60	174.48
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,551.14	186.94

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0033		Accessories *(26 55 68 00-0001)*		
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	1,034.17	249.65
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,103.92	249.65
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,531.82	249.65
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,195.38	748.96
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,319.01	124.63
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,568.26	249.26
26 55 70		**Healthcare Lighting** *(26 55)*		
26 55 70 00-0001		Surgical Lighting Fixtures *(26 55 70)*		
26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen	5,929.52	
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights	730.96	
26 55 70 00-0004		Patient Care Fluorescent Fixtures *(26 55 70)*		
26 55 70 00-0005		Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) *(26 55 70 00-0004)* Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,466.33	57.33
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,618.71	57.33
26 55 70 00-0008	EA	2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2)	1,316.30	57.33
26 55 70 00-0009		Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) *(26 55 70 00-0004)* Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0010	EA	2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR)	1,454.83	57.33
26 55 70 00-0011		Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC) *(26 55 70 00-0004)* Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.		
26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC)	2,207.89	57.33
26 55 70 00-0013		Exam And Surgical Lighting Fixtures *(26 55 70)*		
26 55 70 00-0014	EA	Dual Intensity, K-arm, Ceiling Mounted, Exam Light (Burton PHL-NXC)	958.34	62.31
26 55 70 00-0015	EA	Ceiling Mounted, Spot Exam Light (Sunnex SNX-HM2017-44EXT)	1,660.63	62.31
26 55 70 00-0016	EA	Ceiling Mounted, LED Exam Light (Bovie BOV-XLDP-SC)	3,658.57	62.31
26 55 70 00-0017	EA	Two LED Series, Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S2MA)	17,751.58	83.13
26 55 70 00-0018	EA	Two LED Series, Triple Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S23MA)	25,647.63	124.63
26 55 70 00-0019	EA	Double Ceiling Mounted, Dual Spot Exam Lights (Burton PHL-CS316DC)	5,948.03	83.13
26 55 70 00-0020	EA	Double Ceiling Mounted, Dual Y Shape Lamp Heads (Burton PHL-A50DC)	6,388.12	83.13
26 55 70 00-0021	EA	Double Ceiling Mounted, Halogen Bulbs (Burton PHL-OP216DC)	5,396.73	83.13
26 55 70 00-0022	EA	360 Degree Rotation, 120 Volt, Double Ceiling Mounted, Surgical Light (Burton PHL-A100DC)	7,545.63	124.63
26 55 70 00-0023	EA	Double Ceiling Mounted, Spot Examination Lights (Burton PHL-CS316DT)	8,287.25	83.13
26 55 70 00-0024	EA	Double Ceiling Mounted, Y Shaped Examination Light (Burton PHL-OP216DT)	7,818.64	83.13
26 55 70 00-0025	EA	Double Ceiling Mounted, Examination/Spot Combination Light (Burton PHL-OC516CC)	5,683.68	99.70
26 55 70 00-0026	EA	Double Ceiling Mounted, LED Procedure Light (Bovie BOV-XLDP-DC)	7,530.46	83.13
26 55 70 00-0027	EA	Double Ceiling Mounted, LED Examination Light (Burton PHL-ALEDDC)	6,886.93	124.63
26 55 70 00-0028	EA	Two Monitor Arm, Ceiling Mounted, Exam Light (Bovie BOV-XLDS-MA)	7,860.88	83.13
26 55 70 00-0029	EA	360 Degree Rotation, 120 Volt, Single Ceiling Mounted Surgical Light (Burton PHL-A100SC)	4,221.94	71.16
26 55 70 00-0030	EA	360 Degree Rotation, Autoclavable Handle, Ceiling Mounted Surgical Light (Burton PHL-APXSC8)	12,451.50	71.16
26 55 70 00-0031	EA	Ceiling Mounted Surgical Light (Burton PHL-A200SC)	6,180.95	71.16
26 55 70 00-0032	EA	MRI Compatible, Ceiling Mounted Surgical Light (Sunnex SNX-CS2050C-MRI)	6,140.77	71.16
26 55 70 00-0033	EA	Ceiling Mounted LED Surgical Light (Bovie BOV-XLD-SC)	4,737.16	71.16
26 55 70 00-0034	EA	Ceiling Mounted LED Surgical Light With Battery Pack (Bovie BOV-XLD-SCB)	7,053.03	71.16
26 55 70 00-0035	EA	Ceiling Mounted Two LED Series Surgical Light (Bovie BOV-XLDS-S2)	10,928.68	71.16
26 55 70 00-0036	EA	Dual Ceiling Mounted LED Series Surgical Light And HD Video Camera Arm (Bovie BOV-XLDS-S2VC)	19,881.07	71.16
26 55 70 00-0037	EA	Medical Illumination, Single Trolley Shuttle Track, Ceiling Mounted Surgical Light (Medical Illumination MII-64011)	2,828.83	71.16
26 55 70 00-0038	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-A200DC)	11,095.81	124.63
26 55 70 00-0039	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-APXDC8)	24,252.85	124.63
26 55 70 00-0040	EA	Double Ceiling Mounted, LED Surgical Light (Bovie BOV-XLD-DC)	9,041.74	124.63
26 55 70 00-0041	EA	Double Ceiling Mounted, Autoclavable Handle, LED Surgical Light (Sunnex SNX-CSLED-D)	6,556.75	124.63
26 55 70 00-0042	EA	Triple Ceiling Mounted, LED Series Surgical Light (Bovie BOV-XLDS-S23)	28,510.22	142.45
26 55 70 00-0043	EA	Triple Ceiling Mounted, LED Series Surgical Light And Monitor Arm (Bovie BOV-XLDS-S23MA)	25,718.79	142.45
26 56		**Exterior Lighting** *(26 50)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13		**Lighting Poles and Standards** *(26 56)*			
26 56 13 00-0001		Poles And Standards *(26 56 13)*			
		See CSI section 26 05 46 00-0001 for additional pole.			
26 56 13 00-0002		Roadway Light Poles *(26 56 13 00-0001)*			
		Note: Excludes lighting fixtures.			
26 56 13 00-0003		Steel Roadway Light Poles *(26 56 13 00-0002)*			
		Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*			
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*			
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*			
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,151.26		418.43
		For Galvanized Finish, Add	*69.43*		
		For >10 To 20, Deduct	*-78.78*		
		For >20 To 40, Deduct	*-157.56*		
		For >40, Deduct	*-257.27*		
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,156.98		418.43
		For Galvanized Finish, Add	*69.60*		
		For >10 To 20, Deduct	*-78.92*		
		For >20 To 40, Deduct	*-157.85*		
		For >40, Deduct	*-257.70*		
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,469.85		557.91
		For Galvanized Finish, Add	*70.62*		
		For >10 To 20, Deduct	*-86.75*		
		For >20 To 40, Deduct	*-173.49*		
		For >40, Deduct	*-288.13*		
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,538.63		557.91
		For Galvanized Finish, Add	*72.68*		
		For >10 To 20, Deduct	*-88.47*		
		For >20 To 40, Deduct	*-176.93*		
		For >40, Deduct	*-293.29*		
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,607.42		557.91
		For Galvanized Finish, Add	*74.75*		
		For >10 To 20, Deduct	*-90.19*		
		For >20 To 40, Deduct	*-180.37*		
		For >40, Deduct	*-298.45*		
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,761.38		627.65
		For Galvanized Finish, Add	*75.18*		
		For >10 To 20, Deduct	*-94.03*		
		For >20 To 40, Deduct	*-188.07*		
		For >40, Deduct	*-313.49*		
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,794.00		627.65
		For Galvanized Finish, Add	*76.16*		
		For >10 To 20, Deduct	*-94.85*		
		For >20 To 40, Deduct	*-189.70*		
		For >40, Deduct	*-315.93*		
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,800.21		627.65
		For Galvanized Finish, Add	*76.35*		
		For >10 To 20, Deduct	*-95.01*		
		For >20 To 40, Deduct	*-190.01*		
		For >40, Deduct	*-316.40*		
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,985.73		662.52
		For Galvanized Finish, Add	*79.82*		
		For >10 To 20, Deduct	*-99.64*		
		For >20 To 40, Deduct	*-199.29*		
		For >40, Deduct	*-332.06*		
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,010.36		662.52
		For Galvanized Finish, Add	*80.56*		
		For >10 To 20, Deduct	*-100.26*		
		For >20 To 40, Deduct	*-200.52*		
		For >40, Deduct	*-333.90*		
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,037.27		662.52
		For Galvanized Finish, Add	*81.37*		
		For >10 To 20, Deduct	*-100.93*		
		For >20 To 40, Deduct	*-201.86*		
		For >40, Deduct	*-335.92*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,588.89	697.39
		For Galvanized Finish, Add	*95.82*	
		For >10 To 20, Deduct	*-114.72*	
		For >20 To 40, Deduct	*-229.44*	
		For >40, Deduct	*-379.04*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,597.66	697.39
		For Galvanized Finish, Add	*96.09*	
		For >10 To 20, Deduct	*-114.94*	
		For >20 To 40, Deduct	*-229.88*	
		For >40, Deduct	*-379.69*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,606.33	697.39
		For Galvanized Finish, Add	*96.35*	
		For >10 To 20, Deduct	*-115.16*	
		For >20 To 40, Deduct	*-230.32*	
		For >40, Deduct	*-380.34*	
26 56 13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*		
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,915.03	488.18
		For Galvanized Finish, Add	*88.16*	
		For >10 To 20, Deduct	*-97.88*	
		For >20 To 40, Deduct	*-195.75*	
		For >40, Deduct	*-318.04*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,986.66	505.60
		For Galvanized Finish, Add	*89.26*	
		For >10 To 20, Deduct	*-99.67*	
		For >20 To 40, Deduct	*-199.33*	
		For >40, Deduct	*-324.28*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,049.21	523.04
		For Galvanized Finish, Add	*90.09*	
		For >10 To 20, Deduct	*-101.23*	
		For >20 To 40, Deduct	*-202.46*	
		For >40, Deduct	*-329.84*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,955.71	627.65
		For Galvanized Finish, Add	*81.01*	
		For >10 To 20, Deduct	*-98.89*	
		For >20 To 40, Deduct	*-197.79*	
		For >40, Deduct	*-328.06*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,005.16	645.08
		For Galvanized Finish, Add	*81.45*	
		For >10 To 20, Deduct	*-100.13*	
		For >20 To 40, Deduct	*-200.26*	
		For >40, Deduct	*-332.64*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,045.94	662.52
		For Galvanized Finish, Add	*81.63*	
		For >10 To 20, Deduct	*-101.15*	
		For >20 To 40, Deduct	*-202.30*	
		For >40, Deduct	*-336.57*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,275.32	697.39
		For Galvanized Finish, Add	*86.42*	
		For >10 To 20, Deduct	*-106.88*	
		For >20 To 40, Deduct	*-213.77*	
		For >40, Deduct	*-355.52*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,319.06	714.82
		For Galvanized Finish, Add	*86.68*	
		For >10 To 20, Deduct	*-107.98*	
		For >20 To 40, Deduct	*-215.95*	
		For >40, Deduct	*-359.67*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,359.55	732.26
		For Galvanized Finish, Add	*86.85*	
		For >10 To 20, Deduct	*-108.99*	
		For >20 To 40, Deduct	*-217.98*	
		For >40, Deduct	*-363.58*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,533.77	732.26
		For Galvanized Finish, Add	*92.08*	
		For >10 To 20, Deduct	*-113.34*	
		For >20 To 40, Deduct	*-226.69*	
		For >40, Deduct	*-376.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,606.78	749.69
		For Galvanized Finish, Add	*93.22*	
		For >10 To 20, Deduct	*-115.17*	
		For >20 To 40, Deduct	*-230.34*	
		For >40, Deduct	*-382.99*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,677.81	767.13
		For Galvanized Finish, Add	*94.31*	
		For >10 To 20, Deduct	*-116.95*	
		For >20 To 40, Deduct	*-233.89*	
		For >40, Deduct	*-389.19*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,103.03	767.13
		For Galvanized Finish, Add	*107.06*	
		For >10 To 20, Deduct	*-127.58*	
		For >20 To 40, Deduct	*-255.15*	
		For >40, Deduct	*-421.08*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,143.62	784.57
		For Galvanized Finish, Add	*107.23*	
		For >10 To 20, Deduct	*-128.59*	
		For >20 To 40, Deduct	*-257.18*	
		For >40, Deduct	*-425.00*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,184.39	802.00
		For Galvanized Finish, Add	*107.41*	
		For >10 To 20, Deduct	*-129.61*	
		For >20 To 40, Deduct	*-259.22*	
		For >40, Deduct	*-428.93*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,635.40	697.39
		For Galvanized Finish, Add	*97.22*	
		For >10 To 20, Deduct	*-115.89*	
		For >20 To 40, Deduct	*-231.77*	
		For >40, Deduct	*-382.52*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,710.95	732.26
		For Galvanized Finish, Add	*97.39*	
		For >10 To 20, Deduct	*-117.77*	
		For >20 To 40, Deduct	*-235.55*	
		For >40, Deduct	*-389.93*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,795.18	767.13
		For Galvanized Finish, Add	*97.83*	
		For >10 To 20, Deduct	*-119.88*	
		For >20 To 40, Deduct	*-239.76*	
		For >40, Deduct	*-398.00*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,920.13	767.13
		For Galvanized Finish, Add	*101.58*	
		For >10 To 20, Deduct	*-123.00*	
		For >20 To 40, Deduct	*-246.01*	
		For >40, Deduct	*-407.37*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,998.44	802.00
		For Galvanized Finish, Add	*101.83*	
		For >10 To 20, Deduct	*-124.96*	
		For >20 To 40, Deduct	*-249.92*	
		For >40, Deduct	*-414.98*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,074.00	836.86
		For Galvanized Finish, Add	*102.01*	
		For >10 To 20, Deduct	*-126.85*	
		For >20 To 40, Deduct	*-253.70*	
		For >40, Deduct	*-422.39*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,227.75	802.00
		For Galvanized Finish, Add	*108.71*	
		For >10 To 20, Deduct	*-130.69*	
		For >20 To 40, Deduct	*-261.39*	
		For >40, Deduct	*-432.18*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,303.31	836.86
		For Galvanized Finish, Add	*108.89*	
		For >10 To 20, Deduct	*-132.58*	
		For >20 To 40, Deduct	*-265.17*	
		For >40, Deduct	*-439.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,378.86	871.74
		For Galvanized Finish, Add	*109.06*	
		For >10 To 20, Deduct	*-134.47*	
		For >20 To 40, Deduct	*-268.94*	
		For >40, Deduct	*-447.00*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,617.18	836.86
		For Galvanized Finish, Add	*118.30*	
		For >10 To 20, Deduct	*-140.43*	
		For >20 To 40, Deduct	*-280.86*	
		For >40, Deduct	*-463.13*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,692.42	871.74
		For Galvanized Finish, Add	*118.47*	
		For >10 To 20, Deduct	*-142.31*	
		For >20 To 40, Deduct	*-284.62*	
		For >40, Deduct	*-470.52*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,773.80	906.61
		For Galvanized Finish, Add	*118.82*	
		For >10 To 20, Deduct	*-144.35*	
		For >20 To 40, Deduct	*-288.69*	
		For >40, Deduct	*-478.37*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,152.40	767.13
		For Galvanized Finish, Add	*108.54*	
		For >10 To 20, Deduct	*-128.81*	
		For >20 To 40, Deduct	*-257.62*	
		For >40, Deduct	*-424.79*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,265.68	819.44
		For Galvanized Finish, Add	*108.80*	
		For >10 To 20, Deduct	*-131.64*	
		For >20 To 40, Deduct	*-263.28*	
		For >40, Deduct	*-435.90*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,376.00	871.74
		For Galvanized Finish, Add	*108.98*	
		For >10 To 20, Deduct	*-134.40*	
		For >20 To 40, Deduct	*-268.80*	
		For >40, Deduct	*-446.79*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,472.71	836.86
		For Galvanized Finish, Add	*113.97*	
		For >10 To 20, Deduct	*-136.82*	
		For >20 To 40, Deduct	*-273.64*	
		For >40, Deduct	*-452.30*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,583.43	889.17
		For Galvanized Finish, Add	*114.15*	
		For >10 To 20, Deduct	*-139.59*	
		For >20 To 40, Deduct	*-279.17*	
		For >40, Deduct	*-463.22*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,660.63	941.47
		For Galvanized Finish, Add	*113.33*	
		For >10 To 20, Deduct	*-141.52*	
		For >20 To 40, Deduct	*-283.03*	
		For >40, Deduct	*-471.62*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,872.46	871.74
		For Galvanized Finish, Add	*123.87*	
		For >10 To 20, Deduct	*-146.81*	
		For >20 To 40, Deduct	*-293.62*	
		For >40, Deduct	*-484.02*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,022.40	924.05
		For Galvanized Finish, Add	*125.23*	
		For >10 To 20, Deduct	*-150.56*	
		For >20 To 40, Deduct	*-301.12*	
		For >40, Deduct	*-497.88*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,096.37	976.35
		For Galvanized Finish, Add	*124.31*	
		For >10 To 20, Deduct	*-152.41*	
		For >20 To 40, Deduct	*-304.82*	
		For >40, Deduct	*-506.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,131.02	906.61
		For Galvanized Finish, Add	*129.53*	
		For >10 To 20, Deduct	*-153.28*	
		For >20 To 40, Deduct	*-306.55*	
		For >40, Deduct	*-505.16*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,241.35	958.91
		For Galvanized Finish, Add	*129.71*	
		For >10 To 20, Deduct	*-156.03*	
		For >20 To 40, Deduct	*-312.07*	
		For >40, Deduct	*-516.05*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,354.63	1,011.22
		For Galvanized Finish, Add	*129.97*	
		For >10 To 20, Deduct	*-158.87*	
		For >20 To 40, Deduct	*-317.73*	
		For >40, Deduct	*-527.16*	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,682.70	557.91
		For Galvanized Finish, Add	*77.01*	
		For >10 To 20, Deduct	*-92.07*	
		For >20 To 40, Deduct	*-184.14*	
		For >40, Deduct	*-304.10*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,166.20	627.65
		For Galvanized Finish, Add	*87.33*	
		For >10 To 20, Deduct	*-104.16*	
		For >20 To 40, Deduct	*-208.31*	
		For >40, Deduct	*-343.85*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,283.82	662.52
		For Galvanized Finish, Add	*88.76*	
		For >10 To 20, Deduct	*-107.10*	
		For >20 To 40, Deduct	*-214.19*	
		For >40, Deduct	*-354.41*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	5,088.31	697.39
		For Galvanized Finish, Add	*110.81*	
		For >10 To 20, Deduct	*-127.21*	
		For >20 To 40, Deduct	*-254.42*	
		For >40, Deduct	*-416.49*	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,710.22	557.91
		For Galvanized Finish, Add	*107.83*	
		For >10 To 20, Deduct	*-117.76*	
		For >20 To 40, Deduct	*-235.51*	
		For >40, Deduct	*-381.16*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,754.27	557.91
		For Galvanized Finish, Add	*109.15*	
		For >10 To 20, Deduct	*-118.86*	
		For >20 To 40, Deduct	*-237.71*	
		For >40, Deduct	*-384.47*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,774.37	557.91
		For Galvanized Finish, Add	*109.76*	
		For >10 To 20, Deduct	*-119.36*	
		For >20 To 40, Deduct	*-238.72*	
		For >40, Deduct	*-385.97*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,893.75	627.65
		For Galvanized Finish, Add	*109.15*	
		For >10 To 20, Deduct	*-122.34*	
		For >20 To 40, Deduct	*-244.69*	
		For >40, Deduct	*-398.41*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,901.44	627.65
		For Galvanized Finish, Add	*109.38*	
		For >10 To 20, Deduct	*-122.54*	
		For >20 To 40, Deduct	*-245.07*	
		For >40, Deduct	*-398.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,980.86	627.65
		For Galvanized Finish, Add	*111.77*	
		For >10 To 20, Deduct	*-124.52*	
		For >20 To 40, Deduct	*-249.04*	
		For >40, Deduct	*-404.95*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,989.60	662.52
		For Galvanized Finish, Add	*109.94*	
		For >10 To 20, Deduct	*-124.74*	
		For >20 To 40, Deduct	*-249.48*	
		For >40, Deduct	*-407.35*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,036.11	662.52
		For Galvanized Finish, Add	*111.33*	
		For >10 To 20, Deduct	*-125.90*	
		For >20 To 40, Deduct	*-251.81*	
		For >40, Deduct	*-410.83*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,280.00	662.52
		For Galvanized Finish, Add	*118.65*	
		For >10 To 20, Deduct	*-132.00*	
		For >20 To 40, Deduct	*-264.00*	
		For >40, Deduct	*-429.13*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,161.06	697.39
		For Galvanized Finish, Add	*142.99*	
		For >10 To 20, Deduct	*-154.03*	
		For >20 To 40, Deduct	*-308.05*	
		For >40, Deduct	*-496.95*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,272.97	732.26
		For Galvanized Finish, Add	*144.25*	
		For >10 To 20, Deduct	*-156.82*	
		For >20 To 40, Deduct	*-313.65*	
		For >40, Deduct	*-507.09*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,508.27	767.13
		For Galvanized Finish, Add	*149.22*	
		For >10 To 20, Deduct	*-162.71*	
		For >20 To 40, Deduct	*-325.41*	
		For >40, Deduct	*-526.48*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,276.10	767.13
		For Galvanized Finish, Add	*142.26*	
		For >10 To 20, Deduct	*-156.90*	
		For >20 To 40, Deduct	*-313.81*	
		For >40, Deduct	*-509.06*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,563.71	802.00
		For Galvanized Finish, Add	*148.79*	
		For >10 To 20, Deduct	*-164.09*	
		For >20 To 40, Deduct	*-328.19*	
		For >40, Deduct	*-532.38*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,740.68	836.86
		For Galvanized Finish, Add	*152.01*	
		For >10 To 20, Deduct	*-168.52*	
		For >20 To 40, Deduct	*-337.03*	
		For >40, Deduct	*-547.39*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,467.53	802.00
		For Galvanized Finish, Add	*145.91*	
		For >10 To 20, Deduct	*-161.69*	
		For >20 To 40, Deduct	*-323.38*	
		For >40, Deduct	*-525.16*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,848.09	836.86
		For Galvanized Finish, Add	*155.23*	
		For >10 To 20, Deduct	*-171.20*	
		For >20 To 40, Deduct	*-342.40*	
		For >40, Deduct	*-555.45*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,077.46	871.74
		For Galvanized Finish, Add	*160.02*	
		For >10 To 20, Deduct	*-176.94*	
		For >20 To 40, Deduct	*-353.87*	
		For >40, Deduct	*-574.40*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0091		Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*		
26 56 13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*		
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*		
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,844.20	418.43
		For >10 To 20, Deduct	*-71.11*	
		For >20 To 40, Deduct	*-142.21*	
		For >40, Deduct	*-234.24*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,868.50	418.43
		For >10 To 20, Deduct	*-71.71*	
		For >20 To 40, Deduct	*-143.43*	
		For >40, Deduct	*-236.06*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,489.97	557.91
		For >10 To 20, Deduct	*-87.25*	
		For >20 To 40, Deduct	*-174.50*	
		For >40, Deduct	*-289.64*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,535.88	557.91
		For >10 To 20, Deduct	*-88.40*	
		For >20 To 40, Deduct	*-176.79*	
		For >40, Deduct	*-293.09*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,578.10	557.91
		For >10 To 20, Deduct	*-89.45*	
		For >20 To 40, Deduct	*-178.91*	
		For >40, Deduct	*-296.25*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,005.10	627.65
		For >10 To 20, Deduct	*-100.13*	
		For >20 To 40, Deduct	*-200.26*	
		For >40, Deduct	*-331.77*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,043.84	627.65
		For >10 To 20, Deduct	*-101.10*	
		For >20 To 40, Deduct	*-202.19*	
		For >40, Deduct	*-334.67*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,087.16	627.65
		For >10 To 20, Deduct	*-102.18*	
		For >20 To 40, Deduct	*-204.36*	
		For >40, Deduct	*-337.92*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,687.71	662.52
		For >10 To 20, Deduct	*-117.19*	
		For >20 To 40, Deduct	*-234.39*	
		For >40, Deduct	*-384.70*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,726.35	662.52
		For >10 To 20, Deduct	*-118.16*	
		For >20 To 40, Deduct	*-236.32*	
		For >40, Deduct	*-387.60*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,758.72	662.52
		For >10 To 20, Deduct	*-118.97*	
		For >20 To 40, Deduct	*-237.94*	
		For >40, Deduct	*-390.03*	
26 56 13 00-0105		Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*		
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,259.56	488.18
		For >10 To 20, Deduct	*-81.49*	
		For >20 To 40, Deduct	*-162.98*	
		For >40, Deduct	*-268.88*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,497.68	488.18
		For >10 To 20, Deduct	*-87.44*	
		For >20 To 40, Deduct	*-174.88*	
		For >40, Deduct	*-286.73*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,613.82	523.04
		For >10 To 20, Deduct	*-90.35*	
		For >20 To 40, Deduct	*-180.69*	
		For >40, Deduct	*-297.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,892.26	627.65
		For >10 To 20, Deduct	*-97.31*	
		For >20 To 40, Deduct	*-194.61*	
		For >40, Deduct	*-323.30*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,078.70	645.08
		For >10 To 20, Deduct	*-101.97*	
		For >20 To 40, Deduct	*-203.94*	
		For >40, Deduct	*-338.16*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,347.11	662.52
		For >10 To 20, Deduct	*-108.68*	
		For >20 To 40, Deduct	*-217.36*	
		For >40, Deduct	*-359.16*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,490.85	697.39
		For >10 To 20, Deduct	*-112.27*	
		For >20 To 40, Deduct	*-224.54*	
		For >40, Deduct	*-371.68*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,666.34	714.82
		For >10 To 20, Deduct	*-116.66*	
		For >20 To 40, Deduct	*-233.32*	
		For >40, Deduct	*-385.72*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,880.27	732.26
		For >10 To 20, Deduct	*-122.01*	
		For >20 To 40, Deduct	*-244.01*	
		For >40, Deduct	*-402.63*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,090.91	732.26
		For >10 To 20, Deduct	*-127.27*	
		For >20 To 40, Deduct	*-254.55*	
		For >40, Deduct	*-418.43*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,564.17	749.69
		For >10 To 20, Deduct	*-139.10*	
		For >20 To 40, Deduct	*-278.21*	
		For >40, Deduct	*-454.80*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	6,114.42	767.13
		For >10 To 20, Deduct	*-152.86*	
		For >20 To 40, Deduct	*-305.72*	
		For >40, Deduct	*-496.94*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,782.36	557.91
		For >10 To 20, Deduct	*-94.56*	
		For >20 To 40, Deduct	*-189.12*	
		For >40, Deduct	*-311.57*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,044.70	592.79
		For >10 To 20, Deduct	*-101.12*	
		For >20 To 40, Deduct	*-202.24*	
		For >40, Deduct	*-332.99*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,600.50	697.39
		For >10 To 20, Deduct	*-115.01*	
		For >20 To 40, Deduct	*-230.03*	
		For >40, Deduct	*-379.91*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,797.61	732.26
		For >10 To 20, Deduct	*-119.94*	
		For >20 To 40, Deduct	*-239.88*	
		For >40, Deduct	*-396.43*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,024.41	767.13
		For >10 To 20, Deduct	*-125.61*	
		For >20 To 40, Deduct	*-251.22*	
		For >40, Deduct	*-415.19*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,203.78	802.00
		For >10 To 20, Deduct	*-130.09*	
		For >20 To 40, Deduct	*-260.19*	
		For >40, Deduct	*-430.38*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,431.85	802.00
		For >10 To 20, Deduct	*-135.80*	
		For >20 To 40, Deduct	*-271.59*	
		For >40, Deduct	*-447.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,906.33	836.86
		For >10 To 20, Deduct	*-147.66*	
		For >20 To 40, Deduct	*-295.32*	
		For >40, Deduct	*-484.82*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,447.05	871.74
		For >10 To 20, Deduct	*-286.18*	
		For >20 To 40, Deduct	*-572.35*	
		For >40, Deduct	*-902.12*	
26 56 13 00-0128		Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*		
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,921.25	627.65
		For >10 To 20, Deduct	*-98.03*	
		For >20 To 40, Deduct	*-196.06*	
		For >40, Deduct	*-325.48*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,067.05	627.65
		For >10 To 20, Deduct	*-101.68*	
		For >20 To 40, Deduct	*-203.35*	
		For >40, Deduct	*-336.41*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,033.47	767.13
		For >10 To 20, Deduct	*-125.84*	
		For >20 To 40, Deduct	*-251.67*	
		For >40, Deduct	*-415.87*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,448.90	819.44
		For >10 To 20, Deduct	*-136.22*	
		For >20 To 40, Deduct	*-272.45*	
		For >40, Deduct	*-449.64*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,682.35	836.86
		For >10 To 20, Deduct	*-142.06*	
		For >20 To 40, Deduct	*-284.12*	
		For >40, Deduct	*-468.02*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,065.52	889.17
		For >10 To 20, Deduct	*-151.64*	
		For >20 To 40, Deduct	*-303.28*	
		For >40, Deduct	*-499.37*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,983.23	871.74
		For >10 To 20, Deduct	*-149.58*	
		For >20 To 40, Deduct	*-299.16*	
		For >40, Deduct	*-492.33*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,801.61	924.05
		For >10 To 20, Deduct	*-170.04*	
		For >20 To 40, Deduct	*-340.08*	
		For >40, Deduct	*-556.32*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,525.47	976.35
		For >10 To 20, Deduct	*-188.14*	
		For >20 To 40, Deduct	*-376.27*	
		For >40, Deduct	*-613.23*	
26 56 13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*		
26 56 13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,164.59	557.91
		For >10 To 20, Deduct	*-104.11*	
		For >20 To 40, Deduct	*-208.23*	
		For >40, Deduct	*-340.24*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,197.06	557.91
		For >10 To 20, Deduct	*-104.93*	
		For >20 To 40, Deduct	*-209.85*	
		For >40, Deduct	*-342.68*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,280.02	557.91
		For >10 To 20, Deduct	*-107.00*	
		For >20 To 40, Deduct	*-214.00*	
		For >40, Deduct	*-348.90*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,404.50	557.91
		For >10 To 20, Deduct	*-110.11*	
		For >20 To 40, Deduct	*-220.23*	
		For >40, Deduct	*-358.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,688.99	627.65
		For >10 To 20, Deduct	*-117.22*	
		For >20 To 40, Deduct	*-234.45*	
		For >40, Deduct	*-383.06*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,762.19	627.65
		For >10 To 20, Deduct	*-119.05*	
		For >20 To 40, Deduct	*-238.11*	
		For >40, Deduct	*-388.55*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,840.27	627.65
		For >10 To 20, Deduct	*-121.01*	
		For >20 To 40, Deduct	*-242.01*	
		For >40, Deduct	*-394.40*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,311.23	627.65
		For >10 To 20, Deduct	*-132.78*	
		For >20 To 40, Deduct	*-265.56*	
		For >40, Deduct	*-429.73*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	5,093.64	662.52
		For >10 To 20, Deduct	*-127.34*	
		For >20 To 40, Deduct	*-254.68*	
		For >40, Deduct	*-415.15*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,697.95	662.52
		For >10 To 20, Deduct	*-142.45*	
		For >20 To 40, Deduct	*-284.90*	
		For >40, Deduct	*-460.47*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,756.81	662.52
		For >10 To 20, Deduct	*-143.92*	
		For >20 To 40, Deduct	*-287.84*	
		For >40, Deduct	*-464.89*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,130.48	662.52
		For >10 To 20, Deduct	*-153.26*	
		For >20 To 40, Deduct	*-306.52*	
		For >40, Deduct	*-492.91*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,471.27	662.52
		For >10 To 20, Deduct	*-161.78*	
		For >20 To 40, Deduct	*-323.56*	
		For >40, Deduct	*-518.47*	
26 56 13 00-0153		Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*		
26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,403.39	697.39
		For >10 To 20, Deduct	*-135.08*	
		For >20 To 40, Deduct	*-270.17*	
		For >40, Deduct	*-440.12*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,556.09	732.26
		For >10 To 20, Deduct	*-138.90*	
		For >20 To 40, Deduct	*-277.80*	
		For >40, Deduct	*-453.32*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,679.21	767.13
		For >10 To 20, Deduct	*-141.98*	
		For >20 To 40, Deduct	*-283.96*	
		For >40, Deduct	*-464.30*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,821.43	767.13
		For >10 To 20, Deduct	*-145.54*	
		For >20 To 40, Deduct	*-291.07*	
		For >40, Deduct	*-474.96*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,323.58	802.00
		For >10 To 20, Deduct	*-158.09*	
		For >20 To 40, Deduct	*-316.18*	
		For >40, Deduct	*-514.37*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,246.52	836.86
		For >10 To 20, Deduct	*-181.16*	
		For >20 To 40, Deduct	*-362.33*	
		For >40, Deduct	*-585.33*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,007.86	802.00
		For >10 To 20, Deduct	*-175.20*	
		For >20 To 40, Deduct	*-350.39*	
		For >40, Deduct	*-565.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,147.13	836.86
		For >10 To 20, Deduct	*-178.68*	
		For >20 To 40, Deduct	*-357.36*	
		For >40, Deduct	*-577.88*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,675.86	871.74
		For >10 To 20, Deduct	*-216.90*	
		For >20 To 40, Deduct	*-433.79*	
		For >40, Deduct	*-694.28*	
26 56 13 00-0163		Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*		
26 56 13 00-0164		Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*		
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,411.67	418.43
		For >10 To 20, Deduct	*-85.29*	
		For >20 To 40, Deduct	*-170.58*	
		For >40, Deduct	*-276.80*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,503.39	418.43
		For >10 To 20, Deduct	*-87.58*	
		For >20 To 40, Deduct	*-175.17*	
		For >40, Deduct	*-283.68*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,595.31	418.43
		For >10 To 20, Deduct	*-89.88*	
		For >20 To 40, Deduct	*-179.77*	
		For >40, Deduct	*-290.57*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,065.70	557.91
		For >10 To 20, Deduct	*-101.64*	
		For >20 To 40, Deduct	*-203.29*	
		For >40, Deduct	*-332.82*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,135.61	557.91
		For >10 To 20, Deduct	*-103.39*	
		For >20 To 40, Deduct	*-206.78*	
		For >40, Deduct	*-338.07*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,212.00	557.91
		For >10 To 20, Deduct	*-105.30*	
		For >20 To 40, Deduct	*-210.60*	
		For >40, Deduct	*-343.80*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,588.40	627.65
		For >10 To 20, Deduct	*-114.71*	
		For >20 To 40, Deduct	*-229.42*	
		For >40, Deduct	*-375.51*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,683.31	627.65
		For >10 To 20, Deduct	*-117.08*	
		For >20 To 40, Deduct	*-234.17*	
		For >40, Deduct	*-382.63*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,697.55	627.65
		For >10 To 20, Deduct	*-117.44*	
		For >20 To 40, Deduct	*-234.88*	
		For >40, Deduct	*-383.70*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,995.84	662.52
		For >10 To 20, Deduct	*-124.90*	
		For >20 To 40, Deduct	*-249.79*	
		For >40, Deduct	*-407.81*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,037.47	662.52
		For >10 To 20, Deduct	*-125.94*	
		For >20 To 40, Deduct	*-251.87*	
		For >40, Deduct	*-410.94*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,135.07	662.52
		For >10 To 20, Deduct	*-128.38*	
		For >20 To 40, Deduct	*-256.75*	
		For >40, Deduct	*-418.26*	
26 56 13 00-0177		Area Light Poles *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0178		Steel Area Light Poles *(26 56 13 00-0177)* Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179		Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*		

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*		
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,586.52	244.09
		For Galvanized Finish, Add	*32.95*	
		For >10 To 20, Deduct	*-56.14*	
		For >20 To 40, Deduct	*-101.29*	
		For >40, Deduct	*-213.57*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,717.10	278.95
		For Galvanized Finish, Add	*34.78*	
		For >10 To 20, Deduct	*-60.32*	
		For >20 To 40, Deduct	*-109.04*	
		For >40, Deduct	*-229.67*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,917.67	313.82
		For Galvanized Finish, Add	*38.70*	
		For >10 To 20, Deduct	*-67.29*	
		For >20 To 40, Deduct	*-121.68*	
		For >40, Deduct	*-256.27*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,124.32	348.70
		For Galvanized Finish, Add	*42.81*	
		For >10 To 20, Deduct	*-74.51*	
		For >20 To 40, Deduct	*-134.75*	
		For >40, Deduct	*-283.78*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,254.91	383.57
		For Galvanized Finish, Add	*44.63*	
		For >10 To 20, Deduct	*-78.69*	
		For >20 To 40, Deduct	*-142.50*	
		For >40, Deduct	*-299.88*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,370.28	418.43
		For Galvanized Finish, Add	*46.00*	
		For >10 To 20, Deduct	*-82.26*	
		For >20 To 40, Deduct	*-149.18*	
		For >40, Deduct	*-313.70*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,665.62	244.09
		For Galvanized Finish, Add	*35.32*	
		For >10 To 20, Deduct	*-59.30*	
		For >20 To 40, Deduct	*-106.83*	
		For >40, Deduct	*-225.43*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,799.25	278.95
		For Galvanized Finish, Add	*37.24*	
		For >10 To 20, Deduct	*-63.60*	
		For >20 To 40, Deduct	*-114.79*	
		For >40, Deduct	*-241.99*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,081.96	313.82
		For Galvanized Finish, Add	*43.63*	
		For >10 To 20, Deduct	*-73.86*	
		For >20 To 40, Deduct	*-133.18*	
		For >40, Deduct	*-280.91*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,230.81	348.70
		For Galvanized Finish, Add	*46.00*	
		For >10 To 20, Deduct	*-78.77*	
		For >20 To 40, Deduct	*-142.21*	
		For >40, Deduct	*-299.75*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,370.52	383.57
		For Galvanized Finish, Add	*48.10*	
		For >10 To 20, Deduct	*-83.31*	
		For >20 To 40, Deduct	*-150.59*	
		For >40, Deduct	*-317.22*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,479.80	418.43
		For Galvanized Finish, Add	*49.29*	
		For >10 To 20, Deduct	*-86.64*	
		For >20 To 40, Deduct	*-156.85*	
		For >40, Deduct	*-330.13*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,871.35	557.91
		For Galvanized Finish, Add	*52.67*	
		For >10 To 20, Deduct	*-98.12*	
		For >20 To 40, Deduct	*-178.68*	
		For >40, Deduct	*-374.91*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,665.62	244.09
		For Galvanized Finish, Add	*35.32*	
		For >10 To 20, Deduct	*-59.30*	
		For >20 To 40, Deduct	*-106.83*	
		For >40, Deduct	*-225.43*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,808.37	278.95
		For Galvanized Finish, Add	*37.51*	
		For >10 To 20, Deduct	*-63.97*	
		For >20 To 40, Deduct	*-115.43*	
		For >40, Deduct	*-243.36*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,130.64	313.82
		For Galvanized Finish, Add	*45.09*	
		For >10 To 20, Deduct	*-75.81*	
		For >20 To 40, Deduct	*-136.59*	
		For >40, Deduct	*-288.21*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,239.93	348.70
		For Galvanized Finish, Add	*46.28*	
		For >10 To 20, Deduct	*-79.14*	
		For >20 To 40, Deduct	*-142.85*	
		For >40, Deduct	*-301.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,370.52	383.57
		For Galvanized Finish, Add	*48.10*	
		For >10 To 20, Deduct	*-83.31*	
		For >20 To 40, Deduct	*-150.59*	
		For >40, Deduct	*-317.22*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,479.80	418.43
		For Galvanized Finish, Add	*49.29*	
		For >10 To 20, Deduct	*-86.64*	
		For >20 To 40, Deduct	*-156.85*	
		For >40, Deduct	*-330.13*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,956.54	557.91
		For Galvanized Finish, Add	*55.22*	
		For >10 To 20, Deduct	*-101.52*	
		For >20 To 40, Deduct	*-184.64*	
		For >40, Deduct	*-387.69*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	3,254.23	627.65
		For Galvanized Finish, Add	*59.97*	
		For >10 To 20, Deduct	*-111.34*	
		For >20 To 40, Deduct	*-202.69*	
		For >40, Deduct	*-425.37*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,674.52	418.43
		For Galvanized Finish, Add	*55.13*	
		For >10 To 20, Deduct	*-94.43*	
		For >20 To 40, Deduct	*-170.48*	
		For >40, Deduct	*-359.34*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,996.09	557.91
		For Galvanized Finish, Add	*56.41*	
		For >10 To 20, Deduct	*-103.11*	
		For >20 To 40, Deduct	*-187.41*	
		For >40, Deduct	*-393.62*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	3,330.29	627.65
		For Galvanized Finish, Add	*62.25*	
		For >10 To 20, Deduct	*-114.38*	
		For >20 To 40, Deduct	*-208.01*	
		For >40, Deduct	*-436.78*	
26 56 13 00-0205		Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0206		Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*		
26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,362.13	418.43
		For Galvanized Finish, Add	*75.76*	
		For >10 To 20, Deduct	*-121.93*	
		For >20 To 40, Deduct	*-218.61*	
		For >40, Deduct	*-462.48*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,456.44	418.43
		For Galvanized Finish, Add	*78.59*	
		For >10 To 20, Deduct	*-125.70*	
		For >20 To 40, Deduct	*-225.21*	
		For >40, Deduct	*-476.62*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,942.30	557.91
		For Galvanized Finish, Add	*84.79*	
		For >10 To 20, Deduct	*-140.95*	
		For >20 To 40, Deduct	*-253.64*	
		For >40, Deduct	*-535.55*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,137.02	557.91
		For Galvanized Finish, Add	*90.64*	
		For >10 To 20, Deduct	*-148.74*	
		For >20 To 40, Deduct	*-267.27*	
		For >40, Deduct	*-564.76*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,386.03	627.65
		For Galvanized Finish, Add	*93.92*	
		For >10 To 20, Deduct	*-156.61*	
		For >20 To 40, Deduct	*-281.92*	
		For >40, Deduct	*-595.14*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,711.58	627.65
		For Galvanized Finish, Add	*103.69*	
		For >10 To 20, Deduct	*-169.63*	
		For >20 To 40, Deduct	*-304.70*	
		For >40, Deduct	*-643.97*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,848.24	662.52
		For Galvanized Finish, Add	*105.70*	
		For >10 To 20, Deduct	*-174.05*	
		For >20 To 40, Deduct	*-312.88*	
		For >40, Deduct	*-660.98*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,049.05	662.52
		For Galvanized Finish, Add	*111.72*	
		For >10 To 20, Deduct	*-182.09*	
		For >20 To 40, Deduct	*-326.93*	
		For >40, Deduct	*-691.11*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,529.76	662.52
		For Galvanized Finish, Add	*126.14*	
		For >10 To 20, Deduct	*-201.31*	
		For >20 To 40, Deduct	*-360.58*	
		For >40, Deduct	*-763.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,562.99	697.39
		For Galvanized Finish, Add	*125.05*	
		For >10 To 20, Deduct	*-201.60*	
		For >20 To 40, Deduct	*-361.51*	
		For >40, Deduct	*-764.71*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,648.18	697.39
		For Galvanized Finish, Add	*127.60*	
		For >10 To 20, Deduct	*-205.01*	
		For >20 To 40, Deduct	*-367.48*	
		For >40, Deduct	*-777.49*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,706.52	906.61
		For Galvanized Finish, Add	*176.80*	
		For >10 To 20, Deduct	*-281.06*	
		For >20 To 40, Deduct	*-503.19*	
		For >40, Deduct	*-1,065.32*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,967.22	1,046.08
		For Galvanized Finish, Add	*176.25*	
		For >10 To 20, Deduct	*-287.31*	
		For >20 To 40, Deduct	*-515.86*	
		For >40, Deduct	*-1,090.47*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,457.46	557.91
		For Galvanized Finish, Add	*130.25*	
		For >10 To 20, Deduct	*-201.56*	
		For >20 To 40, Deduct	*-359.71*	
		For >40, Deduct	*-762.83*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,199.36	627.65
		For Galvanized Finish, Add	*148.32*	
		For >10 To 20, Deduct	*-229.14*	
		For >20 To 40, Deduct	*-408.85*	
		For >40, Deduct	*-867.14*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,202.89	697.39
		For Galvanized Finish, Add	*174.24*	
		For >10 To 20, Deduct	*-267.19*	
		For >20 To 40, Deduct	*-476.31*	
		For >40, Deduct	*-1,010.69*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,655.78	906.61
		For Galvanized Finish, Add	*205.28*	
		For >10 To 20, Deduct	*-319.03*	
		For >20 To 40, Deduct	*-569.64*	
		For >40, Deduct	*-1,207.71*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	10,109.13	1,046.08
		For Galvanized Finish, Add	*240.51*	
		For >10 To 20, Deduct	*-372.98*	
		For >20 To 40, Deduct	*-665.80*	
		For >40, Deduct	*-1,411.76*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	11,347.42	1,046.08
		For Galvanized Finish, Add	*277.66*	
		For >10 To 20, Deduct	*-422.51*	
		For >20 To 40, Deduct	*-752.48*	
		For >40, Deduct	*-1,597.50*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	15,485.21	1,046.08
		For Galvanized Finish, Add	*401.79*	
		For >10 To 20, Deduct	*-588.03*	
		For >20 To 40, Deduct	*-1,042.12*	
		For >40, Deduct	*-2,218.17*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	17,493.25	1,046.08
		For Galvanized Finish, Add	*462.03*	
		For >10 To 20, Deduct	*-668.35*	
		For >20 To 40, Deduct	*-1,182.68*	
		For >40, Deduct	*-2,519.38*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,562.18	244.09
		For Galvanized Finish, Add	*32.22*	
		For >10 To 20, Deduct	*-55.16*	
		For >20 To 40, Deduct	*-99.59*	
		For >40, Deduct	*-209.92*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,631.91	278.95
		For Galvanized Finish, Add	*32.22*	
		For >10 To 20, Deduct	*-56.91*	
		For >20 To 40, Deduct	*-103.08*	
		For >40, Deduct	*-216.89*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,753.37	313.82
		For Galvanized Finish, Add	*33.77*	
		For >10 To 20, Deduct	*-60.72*	
		For >20 To 40, Deduct	*-110.18*	
		For >40, Deduct	*-231.62*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,861.26	331.26
		For Galvanized Finish, Add	*35.96*	
		For >10 To 20, Deduct	*-64.51*	
		For >20 To 40, Deduct	*-117.04*	
		For >40, Deduct	*-246.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,896.13	348.70
		For Galvanized Finish, Add	*35.96*	
		For >10 To 20, Deduct	*-65.38*	
		For >20 To 40, Deduct	*-118.78*	
		For >40, Deduct	*-249.55*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,999.34	383.57
		For Galvanized Finish, Add	*36.97*	
		For >10 To 20, Deduct	*-68.47*	
		For >20 To 40, Deduct	*-124.61*	
		For >40, Deduct	*-261.54*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,096.45	418.43
		For Galvanized Finish, Add	*37.79*	
		For >10 To 20, Deduct	*-71.31*	
		For >20 To 40, Deduct	*-130.01*	
		For >40, Deduct	*-272.62*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,557.97	557.91
		For Galvanized Finish, Add	*43.26*	
		For >10 To 20, Deduct	*-85.58*	
		For >20 To 40, Deduct	*-156.74*	
		For >40, Deduct	*-327.90*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,507.19	418.43
		For Galvanized Finish, Add	*50.11*	
		For >10 To 20, Deduct	*-87.73*	
		For >20 To 40, Deduct	*-158.77*	
		For >40, Deduct	*-334.24*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,123.87	557.91
		For Galvanized Finish, Add	*60.24*	
		For >10 To 20, Deduct	*-108.22*	
		For >20 To 40, Deduct	*-196.35*	
		For >40, Deduct	*-412.79*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,594.98	627.65
		For Galvanized Finish, Add	*70.19*	
		For >10 To 20, Deduct	*-124.97*	
		For >20 To 40, Deduct	*-226.54*	
		For >40, Deduct	*-476.48*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,394.61	418.43
		For Galvanized Finish, Add	*46.73*	
		For >10 To 20, Deduct	*-83.23*	
		For >20 To 40, Deduct	*-150.89*	
		For >40, Deduct	*-317.35*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,904.81	557.91
		For Galvanized Finish, Add	*53.67*	
		For >10 To 20, Deduct	*-99.45*	
		For >20 To 40, Deduct	*-181.02*	
		For >40, Deduct	*-379.93*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,406.35	627.65
		For Galvanized Finish, Add	*64.53*	
		For >10 To 20, Deduct	*-117.42*	
		For >20 To 40, Deduct	*-213.34*	
		For >40, Deduct	*-448.19*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,781.01	418.43
		For Galvanized Finish, Add	*58.32*	
		For >10 To 20, Deduct	*-98.69*	
		For >20 To 40, Deduct	*-177.93*	
		For >40, Deduct	*-375.31*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,397.70	557.91
		For Galvanized Finish, Add	*68.46*	
		For >10 To 20, Deduct	*-119.17*	
		For >20 To 40, Deduct	*-215.52*	
		For >40, Deduct	*-453.86*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,853.60	627.65
		For Galvanized Finish, Add	*77.95*	
		For >10 To 20, Deduct	*-135.31*	
		For >20 To 40, Deduct	*-244.65*	
		For >40, Deduct	*-515.27*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,300.60	662.52
		For Galvanized Finish, Add	*89.27*	
		For >10 To 20, Deduct	*-152.15*	
		For >20 To 40, Deduct	*-274.54*	
		For >40, Deduct	*-578.84*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,452.97	627.65
		For Galvanized Finish, Add	*95.93*	
		For >10 To 20, Deduct	*-159.29*	
		For >20 To 40, Deduct	*-286.60*	
		For >40, Deduct	*-605.18*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,903.01	662.52
		For Galvanized Finish, Add	*107.34*	
		For >10 To 20, Deduct	*-176.24*	
		For >20 To 40, Deduct	*-316.71*	
		For >40, Deduct	*-669.20*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	5,188.76	697.39
		For Galvanized Finish, Add	*113.82*	
		For >10 To 20, Deduct	*-186.63*	
		For >20 To 40, Deduct	*-335.32*	
		For >40, Deduct	*-708.58*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0251		Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*		
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,881.94	418.43
		For Galvanized Finish, Add	*151.35*	
		For >10 To 20, Deduct	*-222.72*	
		For >20 To 40, Deduct	*-395.00*	
		For >40, Deduct	*-840.45*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,503.94	557.91
		For Galvanized Finish, Add	*161.64*	
		For >10 To 20, Deduct	*-243.42*	
		For >20 To 40, Deduct	*-432.96*	
		For >40, Deduct	*-919.80*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,206.42	627.65
		For Galvanized Finish, Add	*238.53*	
		For >10 To 20, Deduct	*-349.43*	
		For >20 To 40, Deduct	*-619.34*	
		For >40, Deduct	*-1,318.20*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,004.92	418.43
		For Galvanized Finish, Add	*155.04*	
		For >10 To 20, Deduct	*-227.64*	
		For >20 To 40, Deduct	*-403.61*	
		For >40, Deduct	*-858.90*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,219.12	557.91
		For Galvanized Finish, Add	*183.10*	
		For >10 To 20, Deduct	*-272.03*	
		For >20 To 40, Deduct	*-483.02*	
		For >40, Deduct	*-1,027.08*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,271.09	627.65
		For Galvanized Finish, Add	*270.47*	
		For >10 To 20, Deduct	*-392.01*	
		For >20 To 40, Deduct	*-693.87*	
		For >40, Deduct	*-1,477.90*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,826.19	662.52
		For Galvanized Finish, Add	*315.03*	
		For >10 To 20, Deduct	*-453.17*	
		For >20 To 40, Deduct	*-801.33*	
		For >40, Deduct	*-1,707.68*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	13,957.33	697.39
		For Galvanized Finish, Add	*376.88*	
		For >10 To 20, Deduct	*-537.37*	
		For >20 To 40, Deduct	*-949.12*	
		For >40, Deduct	*-2,023.86*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,687.78	418.43
		For Galvanized Finish, Add	*145.53*	
		For >10 To 20, Deduct	*-214.96*	
		For >20 To 40, Deduct	*-381.41*	
		For >40, Deduct	*-811.32*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,193.28	557.91
		For Galvanized Finish, Add	*152.32*	
		For >10 To 20, Deduct	*-230.99*	
		For >20 To 40, Deduct	*-411.21*	
		For >40, Deduct	*-873.20*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,659.51	627.65
		For Galvanized Finish, Add	*222.13*	
		For >10 To 20, Deduct	*-327.55*	
		For >20 To 40, Deduct	*-581.06*	
		For >40, Deduct	*-1,236.16*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,911.07	418.43
		For Galvanized Finish, Add	*152.23*	
		For >10 To 20, Deduct	*-223.89*	
		For >20 To 40, Deduct	*-397.04*	
		For >40, Deduct	*-844.82*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,927.87	557.91
		For Galvanized Finish, Add	*174.36*	
		For >10 To 20, Deduct	*-260.38*	
		For >20 To 40, Deduct	*-462.63*	
		For >40, Deduct	*-983.39*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	9,866.58	627.65
		For Galvanized Finish, Add	*258.34*	
		For >10 To 20, Deduct	*-375.83*	
		For >20 To 40, Deduct	*-665.55*	
		For >40, Deduct	*-1,417.22*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,254.10	418.43
		For Galvanized Finish, Add	*162.52*	
		For >10 To 20, Deduct	*-237.61*	
		For >20 To 40, Deduct	*-421.05*	
		For >40, Deduct	*-896.27*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,545.97	557.91
		For Galvanized Finish, Add	*192.90*	
		For >10 To 20, Deduct	*-285.10*	
		For >20 To 40, Deduct	*-505.90*	
		For >40, Deduct	*-1,076.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,594.70	627.65
		For Galvanized Finish, Add	*280.18*	
		For >10 To 20, Deduct	*-404.96*	
		For >20 To 40, Deduct	*-716.52*	
		For >40, Deduct	*-1,526.44*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	12,221.00	662.52
		For Galvanized Finish, Add	*326.88*	
		For >10 To 20, Deduct	*-468.96*	
		For >20 To 40, Deduct	*-828.97*	
		For >40, Deduct	*-1,766.90*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	14,167.68	697.39
		For Galvanized Finish, Add	*383.19*	
		For >10 To 20, Deduct	*-545.79*	
		For >20 To 40, Deduct	*-963.84*	
		For >40, Deduct	*-2,055.41*	
26 56 13 00-0272		Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0273		Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*		
26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,387.45	418.43
		For Galvanized Finish, Add	*106.52*	
		For >10 To 20, Deduct	*-162.95*	
		For >20 To 40, Deduct	*-290.38*	
		For >40, Deduct	*-616.27*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,293.17	557.91
		For Galvanized Finish, Add	*125.32*	
		For >10 To 20, Deduct	*-194.99*	
		For >20 To 40, Deduct	*-348.21*	
		For >40, Deduct	*-738.18*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,885.98	627.65
		For Galvanized Finish, Add	*138.92*	
		For >10 To 20, Deduct	*-216.61*	
		For >20 To 40, Deduct	*-386.91*	
		For >40, Deduct	*-820.13*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,555.08	662.52
		For Galvanized Finish, Add	*156.90*	
		For >10 To 20, Deduct	*-242.33*	
		For >20 To 40, Deduct	*-432.35*	
		For >40, Deduct	*-917.01*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,910.81	697.39
		For Galvanized Finish, Add	*165.48*	
		For >10 To 20, Deduct	*-255.51*	
		For >20 To 40, Deduct	*-455.86*	
		For >40, Deduct	*-966.88*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,753.52	418.43
		For Galvanized Finish, Add	*147.50*	
		For >10 To 20, Deduct	*-217.59*	
		For >20 To 40, Deduct	*-386.01*	
		For >40, Deduct	*-821.19*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,364.13	557.91
		For Galvanized Finish, Add	*157.45*	
		For >10 To 20, Deduct	*-237.83*	
		For >20 To 40, Deduct	*-423.17*	
		For >40, Deduct	*-898.83*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,762.22	627.65
		For Galvanized Finish, Add	*165.21*	
		For >10 To 20, Deduct	*-251.66*	
		For >20 To 40, Deduct	*-448.25*	
		For >40, Deduct	*-951.57*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,565.43	627.65
		For Galvanized Finish, Add	*189.30*	
		For >10 To 20, Deduct	*-283.79*	
		For >20 To 40, Deduct	*-504.47*	
		For >40, Deduct	*-1,072.05*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,213.24	662.52
		For Galvanized Finish, Add	*206.65*	
		For >10 To 20, Deduct	*-308.65*	
		For >20 To 40, Deduct	*-548.43*	
		For >40, Deduct	*-1,165.73*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,208.13	662.52
		For Galvanized Finish, Add	*236.49*	
		For >10 To 20, Deduct	*-348.45*	
		For >20 To 40, Deduct	*-618.07*	
		For >40, Deduct	*-1,314.97*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,328.61	697.39
		For Galvanized Finish, Add	*208.01*	
		For >10 To 20, Deduct	*-312.22*	
		For >20 To 40, Deduct	*-555.11*	
		For >40, Deduct	*-1,179.55*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,777.82	697.39
		For Galvanized Finish, Add	*281.49*	
		For >10 To 20, Deduct	*-410.19*	
		For >20 To 40, Deduct	*-726.55*	
		For >40, Deduct	*-1,546.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,778.46	906.61
		For Galvanized Finish, Add	*238.96*	
		For >10 To 20, Deduct	*-363.94*	
		For >20 To 40, Deduct	*-648.23*	
		For >40, Deduct	*-1,376.11*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	11,448.79	906.61
		For Galvanized Finish, Add	*289.07*	
		For >10 To 20, Deduct	*-430.75*	
		For >20 To 40, Deduct	*-765.15*	
		For >40, Deduct	*-1,626.66*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	11,812.93	1,046.08
		For Galvanized Finish, Add	*291.62*	
		For >10 To 20, Deduct	*-441.13*	
		For >20 To 40, Deduct	*-785.06*	
		For >40, Deduct	*-1,667.33*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	107.87	
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	160.42	
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	163.19	

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	863.47	209.22
		For Bronze Or Satin Anodized Finish, Add	*44.50*	
		For Black Anodized Finish, Add	*89.01*	
		For >10 To 20, Deduct	*-28.26*	
		For >20 To 40, Deduct	*-52.07*	
		For >40, Deduct	*-108.60*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	956.05	244.09
		For Bronze Or Satin Anodized Finish, Add	*46.79*	
		For Black Anodized Finish, Add	*93.57*	
		For >10 To 20, Deduct	*-30.92*	
		For >20 To 40, Deduct	*-57.16*	
		For >40, Deduct	*-119.00*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,054.31	278.95
		For Bronze Or Satin Anodized Finish, Add	*49.64*	
		For Black Anodized Finish, Add	*99.28*	
		For >10 To 20, Deduct	*-33.80*	
		For >20 To 40, Deduct	*-62.64*	
		For >40, Deduct	*-130.25*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,153.72	313.82
		For Bronze Or Satin Anodized Finish, Add	*52.61*	
		For Black Anodized Finish, Add	*105.21*	
		For >10 To 20, Deduct	*-36.73*	
		For >20 To 40, Deduct	*-68.21*	
		For >40, Deduct	*-141.68*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,207.98	331.26
		For Bronze Or Satin Anodized Finish, Add	*54.55*	
		For Black Anodized Finish, Add	*109.09*	
		For >10 To 20, Deduct	*-38.38*	
		For >20 To 40, Deduct	*-71.31*	
		For >40, Deduct	*-148.07*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,261.11	348.70
		For Bronze Or Satin Anodized Finish, Add	*56.37*	
		For Black Anodized Finish, Add	*112.74*	
		For >10 To 20, Deduct	*-39.98*	
		For >20 To 40, Deduct	*-74.33*	
		For >40, Deduct	*-154.30*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,329.58	348.70
		For Bronze Or Satin Anodized Finish, Add	*63.22*	
		For Black Anodized Finish, Add	*126.44*	
		For >10 To 20, Deduct	*-42.72*	
		For >20 To 40, Deduct	*-79.12*	
		For >40, Deduct	*-164.57*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,442.68	383.57
		For Bronze Or Satin Anodized Finish, Add	*67.56*	
		For Black Anodized Finish, Add	*135.11*	
		For >10 To 20, Deduct	*-46.20*	
		For >20 To 40, Deduct	*-85.65*	
		For >40, Deduct	*-178.05*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,548.93	418.43
		For Bronze Or Satin Anodized Finish, Add	*71.21*	
		For Black Anodized Finish, Add	*142.41*	
		For >10 To 20, Deduct	*-49.40*	
		For >20 To 40, Deduct	*-91.69*	
		For >40, Deduct	*-190.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,460.18	331.26
		For Bronze Or Satin Anodized Finish, Add	*79.77*	
		For Black Anodized Finish, Add	*159.53*	
		For >10 To 20, Deduct	*-48.47*	
		For >20 To 40, Deduct	*-88.96*	
		For >40, Deduct	*-185.90*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,801.12	418.43
		For Bronze Or Satin Anodized Finish, Add	*96.43*	
		For Black Anodized Finish, Add	*192.85*	
		For >10 To 20, Deduct	*-59.49*	
		For >20 To 40, Deduct	*-109.34*	
		For >40, Deduct	*-228.33*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,928.93	418.43
		For Bronze Or Satin Anodized Finish, Add	*109.21*	
		For Black Anodized Finish, Add	*218.41*	
		For >10 To 20, Deduct	*-64.60*	
		For >20 To 40, Deduct	*-118.29*	
		For >40, Deduct	*-247.50*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,327.72	557.91
		For Bronze Or Satin Anodized Finish, Add	*121.19*	
		For Black Anodized Finish, Add	*242.38*	
		For >10 To 20, Deduct	*-76.37*	
		For >20 To 40, Deduct	*-140.62*	
		For >40, Deduct	*-293.37*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,694.29	627.65
		For Bronze Or Satin Anodized Finish, Add	*143.90*	
		For Black Anodized Finish, Add	*287.80*	
		For >10 To 20, Deduct	*-88.94*	
		For >20 To 40, Deduct	*-163.49*	
		For >40, Deduct	*-341.38*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,627.67	418.43
		For Bronze Or Satin Anodized Finish, Add	*79.08*	
		For Black Anodized Finish, Add	*158.16*	
		For >10 To 20, Deduct	*-52.55*	
		For >20 To 40, Deduct	*-97.20*	
		For >40, Deduct	*-202.31*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,918.66	418.43
		For Bronze Or Satin Anodized Finish, Add	*108.18*	
		For Black Anodized Finish, Add	*216.36*	
		For >10 To 20, Deduct	*-64.19*	
		For >20 To 40, Deduct	*-117.57*	
		For >40, Deduct	*-245.96*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,309.46	557.91
		For Bronze Or Satin Anodized Finish, Add	*119.36*	
		For Black Anodized Finish, Add	*238.73*	
		For >10 To 20, Deduct	*-75.64*	
		For >20 To 40, Deduct	*-139.35*	
		For >40, Deduct	*-290.63*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,474.93	557.91
		For Bronze Or Satin Anodized Finish, Add	*135.91*	
		For Black Anodized Finish, Add	*271.82*	
		For >10 To 20, Deduct	*-82.26*	
		For >20 To 40, Deduct	*-150.93*	
		For >40, Deduct	*-315.45*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,881.43	627.65
		For Bronze Or Satin Anodized Finish, Add	*162.61*	
		For Black Anodized Finish, Add	*325.22*	
		For >10 To 20, Deduct	*-96.43*	
		For >20 To 40, Deduct	*-176.59*	
		For >40, Deduct	*-369.45*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	979.87	209.22
		For Bronze, Satin Or Black Anodized Finish, Add	*84.22*	
		For >10 To 20, Deduct	*-32.92*	
		For >20 To 40, Deduct	*-60.22*	
		For >40, Deduct	*-126.06*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,095.27	244.09
		For Bronze, Satin Or Black Anodized Finish, Add	*91.06*	
		For >10 To 20, Deduct	*-36.49*	
		For >20 To 40, Deduct	*-66.91*	
		For >40, Deduct	*-139.88*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,206.08	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*97.23*	
		For >10 To 20, Deduct	*-39.87*	
		For >20 To 40, Deduct	*-73.27*	
		For >40, Deduct	*-153.02*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,295.22	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*100.14*	
		For >10 To 20, Deduct	*-42.39*	
		For >20 To 40, Deduct	*-78.11*	
		For >40, Deduct	*-162.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,398.05	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*105.10*	
		For >10 To 20, Deduct	*-45.46*	
		For >20 To 40, Deduct	*-83.92*	
		For >40, Deduct	*-174.84*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,119.23	244.09
		For Bronze, Satin Or Black Anodized Finish, Add	*94.66*	
		For >10 To 20, Deduct	*-37.45*	
		For >20 To 40, Deduct	*-68.58*	
		For >40, Deduct	*-143.48*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,227.76	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*100.48*	
		For >10 To 20, Deduct	*-40.74*	
		For >20 To 40, Deduct	*-74.79*	
		For >40, Deduct	*-156.27*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,339.72	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*106.81*	
		For >10 To 20, Deduct	*-44.17*	
		For >20 To 40, Deduct	*-81.23*	
		For >40, Deduct	*-169.58*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,450.54	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*112.97*	
		For >10 To 20, Deduct	*-47.56*	
		For >20 To 40, Deduct	*-87.59*	
		For >40, Deduct	*-182.71*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,567.07	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*119.99*	
		For >10 To 20, Deduct	*-51.18*	
		For >20 To 40, Deduct	*-94.35*	
		For >40, Deduct	*-196.70*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,676.74	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*125.98*	
		For >10 To 20, Deduct	*-54.52*	
		For >20 To 40, Deduct	*-100.63*	
		For >40, Deduct	*-209.67*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,272.26	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*107.15*	
		For >10 To 20, Deduct	*-42.52*	
		For >20 To 40, Deduct	*-77.90*	
		For >40, Deduct	*-162.94*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,392.21	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*114.68*	
		For >10 To 20, Deduct	*-46.27*	
		For >20 To 40, Deduct	*-84.90*	
		For >40, Deduct	*-177.45*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,511.02	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*122.04*	
		For >10 To 20, Deduct	*-49.98*	
		For >20 To 40, Deduct	*-91.82*	
		For >40, Deduct	*-191.78*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,632.11	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*129.75*	
		For >10 To 20, Deduct	*-53.78*	
		For >20 To 40, Deduct	*-98.91*	
		For >40, Deduct	*-206.46*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,574.93	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*131.63*	
		For >10 To 20, Deduct	*-52.54*	
		For >20 To 40, Deduct	*-96.30*	
		For >40, Deduct	*-201.37*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,826.23	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*148.41*	
		For >10 To 20, Deduct	*-60.50*	
		For >20 To 40, Deduct	*-111.10*	
		For >40, Deduct	*-232.09*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,314.49	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*113.49*	
		For >10 To 20, Deduct	*-44.21*	
		For >20 To 40, Deduct	*-80.86*	
		For >40, Deduct	*-169.28*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,446.99	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*122.90*	
		For >10 To 20, Deduct	*-48.46*	
		For >20 To 40, Deduct	*-88.74*	
		For >40, Deduct	*-185.67*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,568.08	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*130.60*	
		For >10 To 20, Deduct	*-52.26*	
		For >20 To 40, Deduct	*-95.82*	
		For >40, Deduct	*-200.34*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,696.02	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*139.33*	
		For >10 To 20, Deduct	*-56.33*	
		For >20 To 40, Deduct	*-103.38*	
		For >40, Deduct	*-216.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,820.52	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*147.55*	
		For >10 To 20, Deduct	*-60.27*	
		For >20 To 40, Deduct	*-110.70*	
		For >40, Deduct	*-231.24*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,651.38	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*143.10*	
		For >10 To 20, Deduct	*-55.59*	
		For >20 To 40, Deduct	*-101.65*	
		For >40, Deduct	*-212.84*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,789.59	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*153.37*	
		For >10 To 20, Deduct	*-60.08*	
		For >20 To 40, Deduct	*-109.93*	
		For >40, Deduct	*-230.08*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,855.90	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*152.86*	
		For >10 To 20, Deduct	*-61.68*	
		For >20 To 40, Deduct	*-113.18*	
		For >40, Deduct	*-236.54*	
26 56 13 00-0342		Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*		
		Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	768.64	174.34
		For Bronze Or Satin Anodized Finish, Add	*41.99*	
		For Black Anodized Finish, Add	*83.99*	
		For >10 To 20, Deduct	*-25.52*	
		For >20 To 40, Deduct	*-46.83*	
		For >40, Deduct	*-97.86*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	825.19	191.78
		For Bronze Or Satin Anodized Finish, Add	*44.16*	
		For Black Anodized Finish, Add	*88.32*	
		For >10 To 20, Deduct	*-27.25*	
		For >20 To 40, Deduct	*-50.09*	
		For >40, Deduct	*-104.60*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	911.40	209.22
		For Bronze Or Satin Anodized Finish, Add	*49.30*	
		For Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-30.18*	
		For >20 To 40, Deduct	*-55.43*	
		For >40, Deduct	*-115.79*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	937.65	209.22
		For Bronze Or Satin Anodized Finish, Add	*51.92*	
		For Black Anodized Finish, Add	*103.84*	
		For >10 To 20, Deduct	*-31.23*	
		For >20 To 40, Deduct	*-57.27*	
		For >40, Deduct	*-119.73*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	970.74	209.22
		For Bronze Or Satin Anodized Finish, Add	*55.23*	
		For Black Anodized Finish, Add	*110.46*	
		For >10 To 20, Deduct	*-32.55*	
		For >20 To 40, Deduct	*-59.58*	
		For >40, Deduct	*-124.69*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,106.03	226.65
		For Bronze Or Satin Anodized Finish, Add	*65.27*	
		For Black Anodized Finish, Add	*130.55*	
		For >10 To 20, Deduct	*-37.44*	
		For >20 To 40, Deduct	*-68.36*	
		For >40, Deduct	*-143.24*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,183.13	244.09
		For Bronze Or Satin Anodized Finish, Add	*69.50*	
		For Black Anodized Finish, Add	*138.99*	
		For >10 To 20, Deduct	*-40.00*	
		For >20 To 40, Deduct	*-73.06*	
		For >40, Deduct	*-153.06*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,360.01	244.09
		For Bronze Or Satin Anodized Finish, Add	*87.18*	
		For Black Anodized Finish, Add	*174.37*	
		For >10 To 20, Deduct	*-47.08*	
		For >20 To 40, Deduct	*-85.44*	
		For >40, Deduct	*-179.59*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,656.83	278.95
		For Bronze Or Satin Anodized Finish, Add	*109.89*	
		For Black Anodized Finish, Add	*219.78*	
		For >10 To 20, Deduct	*-57.90*	
		For >20 To 40, Deduct	*-104.82*	
		For >40, Deduct	*-220.63*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,879.48	313.82
		For Bronze Or Satin Anodized Finish, Add	*125.18*	
		For Black Anodized Finish, Add	*250.37*	
		For >10 To 20, Deduct	*-65.76*	
		For >20 To 40, Deduct	*-119.01*	
		For >40, Deduct	*-250.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,088.31	313.82
		For Bronze Or Satin Anodized Finish, Add	*146.07*	
		For Black Anodized Finish, Add	*292.13*	
		For >10 To 20, Deduct	*-74.12*	
		For >20 To 40, Deduct	*-133.63*	
		For >40, Deduct	*-281.86*	
26 56 13 00-0354		Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*		
26 56 13 00-0355		Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*		
26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	741.37	209.22
		For Bronze Or Satin Anodized Finish, Add	*32.29*	
		For Black Anodized Finish, Add	*64.59*	
		For >10 To 20, Deduct	*-23.38*	
		For >20 To 40, Deduct	*-43.53*	
		For >40, Deduct	*-90.28*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	837.37	244.09
		For Bronze Or Satin Anodized Finish, Add	*34.92*	
		For Black Anodized Finish, Add	*69.84*	
		For >10 To 20, Deduct	*-26.17*	
		For >20 To 40, Deduct	*-48.85*	
		For >40, Deduct	*-101.20*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	933.35	278.95
		For Bronze Or Satin Anodized Finish, Add	*37.54*	
		For Black Anodized Finish, Add	*75.09*	
		For >10 To 20, Deduct	*-28.97*	
		For >20 To 40, Deduct	*-54.18*	
		For >40, Deduct	*-112.11*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,039.60	313.82
		For Bronze Or Satin Anodized Finish, Add	*41.20*	
		For Black Anodized Finish, Add	*82.39*	
		For >10 To 20, Deduct	*-32.17*	
		For >20 To 40, Deduct	*-60.22*	
		For >40, Deduct	*-124.56*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,144.72	348.70
		For Bronze Or Satin Anodized Finish, Add	*44.73*	
		For Black Anodized Finish, Add	*89.47*	
		For >10 To 20, Deduct	*-35.33*	
		For >20 To 40, Deduct	*-66.18*	
		For >40, Deduct	*-136.84*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	867.04	244.09
		For Bronze Or Satin Anodized Finish, Add	*37.89*	
		For Black Anodized Finish, Add	*75.77*	
		For >10 To 20, Deduct	*-27.36*	
		For >20 To 40, Deduct	*-50.93*	
		For >40, Deduct	*-105.65*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	980.13	278.95
		For Bronze Or Satin Anodized Finish, Add	*42.22*	
		For Black Anodized Finish, Add	*84.44*	
		For >10 To 20, Deduct	*-30.84*	
		For >20 To 40, Deduct	*-57.45*	
		For >40, Deduct	*-119.12*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,089.81	313.82
		For Bronze Or Satin Anodized Finish, Add	*46.22*	
		For Black Anodized Finish, Add	*92.43*	
		For >10 To 20, Deduct	*-34.18*	
		For >20 To 40, Deduct	*-63.73*	
		For >40, Deduct	*-132.09*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,301.18	383.57
		For Bronze Or Satin Anodized Finish, Add	*53.41*	
		For Black Anodized Finish, Add	*106.81*	
		For >10 To 20, Deduct	*-40.54*	
		For >20 To 40, Deduct	*-75.74*	
		For >40, Deduct	*-156.82*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,399.44	418.43
		For Bronze Or Satin Anodized Finish, Add	*56.26*	
		For Black Anodized Finish, Add	*112.52*	
		For >10 To 20, Deduct	*-43.42*	
		For >20 To 40, Deduct	*-81.22*	
		For >40, Deduct	*-168.07*	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,022.35	278.95
		For Bronze Or Satin Anodized Finish, Add	*46.44*	
		For Black Anodized Finish, Add	*92.89*	
		For >10 To 20, Deduct	*-32.53*	
		For >20 To 40, Deduct	*-60.41*	
		For >40, Deduct	*-125.46*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,138.88	313.82
		For Bronze Or Satin Anodized Finish, Add	*51.12*	
		For Black Anodized Finish, Add	*102.25*	
		For >10 To 20, Deduct	*-36.14*	
		For >20 To 40, Deduct	*-67.17*	
		For >40, Deduct	*-139.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,263.40	348.70
		For Bronze Or Satin Anodized Finish, Add	*56.60*	
		For Black Anodized Finish, Add	*113.20*	
		For >10 To 20, Deduct	*-40.08*	
		For >20 To 40, Deduct	*-74.49*	
		For >40, Deduct	*-154.64*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,367.37	383.57
		For Bronze Or Satin Anodized Finish, Add	*60.02*	
		For Black Anodized Finish, Add	*120.05*	
		For >10 To 20, Deduct	*-43.19*	
		For >20 To 40, Deduct	*-80.37*	
		For >40, Deduct	*-166.75*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,487.31	418.43
		For Bronze Or Satin Anodized Finish, Add	*65.05*	
		For Black Anodized Finish, Add	*130.09*	
		For >10 To 20, Deduct	*-46.94*	
		For >20 To 40, Deduct	*-87.37*	
		For >40, Deduct	*-181.25*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,375.23	348.70
		For Bronze Or Satin Anodized Finish, Add	*67.78*	
		For Black Anodized Finish, Add	*135.57*	
		For >10 To 20, Deduct	*-44.55*	
		For >20 To 40, Deduct	*-82.32*	
		For >40, Deduct	*-171.42*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,510.01	383.57
		For Bronze Or Satin Anodized Finish, Add	*74.29*	
		For Black Anodized Finish, Add	*148.58*	
		For >10 To 20, Deduct	*-48.89*	
		For >20 To 40, Deduct	*-90.36*	
		For >40, Deduct	*-188.15*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,598.00	418.43
		For Bronze Or Satin Anodized Finish, Add	*76.11*	
		For Black Anodized Finish, Add	*152.23*	
		For >10 To 20, Deduct	*-51.37*	
		For >20 To 40, Deduct	*-95.12*	
		For >40, Deduct	*-197.86*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,839.05	488.18
		For Bronze Or Satin Anodized Finish, Add	*86.27*	
		For Black Anodized Finish, Add	*172.54*	
		For >10 To 20, Deduct	*-58.92*	
		For >20 To 40, Deduct	*-109.21*	
		For >40, Deduct	*-227.04*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,086.94	557.91
		For Bronze Or Satin Anodized Finish, Add	*97.11*	
		For Black Anodized Finish, Add	*194.22*	
		For >10 To 20, Deduct	*-66.74*	
		For >20 To 40, Deduct	*-123.77*	
		For >40, Deduct	*-257.25*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,621.84	383.57
		For Bronze Or Satin Anodized Finish, Add	*85.47*	
		For Black Anodized Finish, Add	*170.94*	
		For >10 To 20, Deduct	*-53.37*	
		For >20 To 40, Deduct	*-98.19*	
		For >40, Deduct	*-204.92*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,733.80	418.43
		For Bronze Or Satin Anodized Finish, Add	*89.69*	
		For Black Anodized Finish, Add	*179.39*	
		For >10 To 20, Deduct	*-56.80*	
		For >20 To 40, Deduct	*-104.63*	
		For >40, Deduct	*-218.23*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,946.32	488.18
		For Bronze Or Satin Anodized Finish, Add	*97.00*	
		For Black Anodized Finish, Add	*193.99*	
		For >10 To 20, Deduct	*-63.21*	
		For >20 To 40, Deduct	*-116.72*	
		For >40, Deduct	*-243.13*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,169.10	557.91
		For Bronze Or Satin Anodized Finish, Add	*105.33*	
		For Black Anodized Finish, Add	*210.65*	
		For >10 To 20, Deduct	*-70.03*	
		For >20 To 40, Deduct	*-129.52*	
		For >40, Deduct	*-269.57*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,331.26	592.79
		For Bronze Or Satin Anodized Finish, Add	*114.57*	
		For Black Anodized Finish, Add	*229.14*	
		For >10 To 20, Deduct	*-75.47*	
		For >20 To 40, Deduct	*-139.48*	
		For >40, Deduct	*-290.41*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,495.73	627.65
		For Bronze Or Satin Anodized Finish, Add	*124.04*	
		For Black Anodized Finish, Add	*248.08*	
		For >10 To 20, Deduct	*-81.00*	
		For >20 To 40, Deduct	*-149.59*	
		For >40, Deduct	*-311.59*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,052.45	488.18
		For Bronze Or Satin Anodized Finish, Add	*107.61*	
		For Black Anodized Finish, Add	*215.22*	
		For >10 To 20, Deduct	*-67.45*	
		For >20 To 40, Deduct	*-124.14*	
		For >40, Deduct	*-259.05*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,239.85	557.91
		For Bronze Or Satin Anodized Finish, Add	*112.40*	
		For Black Anodized Finish, Add	*224.80*	
		For >10 To 20, Deduct	*-72.86*	
		For >20 To 40, Deduct	*-134.47*	
		For >40, Deduct	*-280.19*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,407.72	592.79
		For Bronze Or Satin Anodized Finish, Add	*122.22*	
		For Black Anodized Finish, Add	*244.43*	
		For >10 To 20, Deduct	*-78.53*	
		For >20 To 40, Deduct	*-144.83*	
		For >40, Deduct	*-301.88*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,614.41	627.65
		For Bronze Or Satin Anodized Finish, Add	*135.91*	
		For Black Anodized Finish, Add	*271.82*	
		For >10 To 20, Deduct	*-85.75*	
		For >20 To 40, Deduct	*-157.90*	
		For >40, Deduct	*-329.40*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,700.62	645.08
		For Bronze Or Satin Anodized Finish, Add	*141.05*	
		For Black Anodized Finish, Add	*282.09*	
		For >10 To 20, Deduct	*-88.67*	
		For >20 To 40, Deduct	*-163.24*	
		For >40, Deduct	*-340.58*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,873.57	662.52
		For Bronze Or Satin Anodized Finish, Add	*154.85*	
		For Black Anodized Finish, Add	*309.71*	
		For >10 To 20, Deduct	*-95.07*	
		For >20 To 40, Deduct	*-174.65*	
		For >40, Deduct	*-364.78*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,069.14	278.95
		For Bronze Or Satin Anodized Finish, Add	*51.12*	
		For Black Anodized Finish, Add	*102.25*	
		For >10 To 20, Deduct	*-34.40*	
		For >20 To 40, Deduct	*-63.68*	
		For >40, Deduct	*-132.48*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,193.66	313.82
		For Bronze Or Satin Anodized Finish, Add	*56.60*	
		For Black Anodized Finish, Add	*113.20*	
		For >10 To 20, Deduct	*-38.33*	
		For >20 To 40, Deduct	*-71.00*	
		For >40, Deduct	*-147.67*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,322.73	348.70
		For Bronze Or Satin Anodized Finish, Add	*62.53*	
		For Black Anodized Finish, Add	*125.07*	
		For >10 To 20, Deduct	*-42.45*	
		For >20 To 40, Deduct	*-78.64*	
		For >40, Deduct	*-163.54*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,439.26	383.57
		For Bronze Or Satin Anodized Finish, Add	*67.21*	
		For Black Anodized Finish, Add	*134.43*	
		For >10 To 20, Deduct	*-46.06*	
		For >20 To 40, Deduct	*-85.41*	
		For >40, Deduct	*-177.53*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,554.64	418.43
		For Bronze Or Satin Anodized Finish, Add	*71.78*	
		For Black Anodized Finish, Add	*143.56*	
		For >10 To 20, Deduct	*-49.63*	
		For >20 To 40, Deduct	*-92.09*	
		For >40, Deduct	*-191.35*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,447.12	348.70
		For Bronze Or Satin Anodized Finish, Add	*74.97*	
		For Black Anodized Finish, Add	*149.95*	
		For >10 To 20, Deduct	*-47.42*	
		For >20 To 40, Deduct	*-87.35*	
		For >40, Deduct	*-182.20*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,585.33	383.57
		For Bronze Or Satin Anodized Finish, Add	*81.82*	
		For Black Anodized Finish, Add	*163.64*	
		For >10 To 20, Deduct	*-51.91*	
		For >20 To 40, Deduct	*-95.63*	
		For >40, Deduct	*-199.44*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,688.15	418.43
		For Bronze Or Satin Anodized Finish, Add	*85.13*	
		For Black Anodized Finish, Add	*170.26*	
		For >10 To 20, Deduct	*-54.97*	
		For >20 To 40, Deduct	*-101.43*	
		For >40, Deduct	*-211.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,923.50	488.18
		For Bronze Or Satin Anodized Finish, Add	*94.72*	
		For Black Anodized Finish, Add	*189.43*	
		For >10 To 20, Deduct	*-62.29*	
		For >20 To 40, Deduct	*-115.12*	
		For >40, Deduct	*-239.71*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,165.68	557.91
		For Bronze Or Satin Anodized Finish, Add	*104.99*	
		For Black Anodized Finish, Add	*209.97*	
		For >10 To 20, Deduct	*-69.89*	
		For >20 To 40, Deduct	*-129.28*	
		For >40, Deduct	*-269.06*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,181.39	488.18
		For Bronze Or Satin Anodized Finish, Add	*120.50*	
		For Black Anodized Finish, Add	*241.01*	
		For >10 To 20, Deduct	*-72.61*	
		For >20 To 40, Deduct	*-133.17*	
		For >40, Deduct	*-278.39*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,411.02	557.91
		For Bronze Or Satin Anodized Finish, Add	*129.52*	
		For Black Anodized Finish, Add	*259.04*	
		For >10 To 20, Deduct	*-79.70*	
		For >20 To 40, Deduct	*-146.45*	
		For >40, Deduct	*-305.86*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,592.59	592.79
		For Bronze Or Satin Anodized Finish, Add	*140.70*	
		For Black Anodized Finish, Add	*281.41*	
		For >10 To 20, Deduct	*-85.92*	
		For >20 To 40, Deduct	*-157.77*	
		For >40, Deduct	*-329.61*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,754.77	627.65
		For Bronze Or Satin Anodized Finish, Add	*149.95*	
		For Black Anodized Finish, Add	*299.89*	
		For >10 To 20, Deduct	*-91.36*	
		For >20 To 40, Deduct	*-167.73*	
		For >40, Deduct	*-350.45*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,900.32	645.08
		For Bronze Or Satin Anodized Finish, Add	*161.02*	
		For Black Anodized Finish, Add	*322.03*	
		For >10 To 20, Deduct	*-96.66*	
		For >20 To 40, Deduct	*-177.22*	
		For >40, Deduct	*-370.54*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,027.62	662.52
		For Bronze Or Satin Anodized Finish, Add	*170.26*	
		For Black Anodized Finish, Add	*340.52*	
		For >10 To 20, Deduct	*-101.23*	
		For >20 To 40, Deduct	*-185.43*	
		For >40, Deduct	*-387.89*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,136.67	679.96
		For Bronze Or Satin Anodized Finish, Add	*177.68*	
		For Black Anodized Finish, Add	*355.35*	
		For >10 To 20, Deduct	*-105.07*	
		For >20 To 40, Deduct	*-192.37*	
		For >40, Deduct	*-402.51*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,331.29	697.39
		For Bronze Or Satin Anodized Finish, Add	*193.65*	
		For Black Anodized Finish, Add	*387.30*	
		For >10 To 20, Deduct	*-112.33*	
		For >20 To 40, Deduct	*-205.29*	
		For >40, Deduct	*-429.95*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,085.56	592.79
		For Bronze Or Satin Anodized Finish, Add	*190.00*	
		For Black Anodized Finish, Add	*380.00*	
		For >10 To 20, Deduct	*-105.64*	
		For >20 To 40, Deduct	*-192.28*	
		For >40, Deduct	*-403.56*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,325.34	627.65
		For Bronze Or Satin Anodized Finish, Add	*207.00*	
		For Black Anodized Finish, Add	*414.01*	
		For >10 To 20, Deduct	*-114.18*	
		For >20 To 40, Deduct	*-207.67*	
		For >40, Deduct	*-436.04*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,493.71	645.08
		For Bronze Or Satin Anodized Finish, Add	*220.35*	
		For Black Anodized Finish, Add	*440.71*	
		For >10 To 20, Deduct	*-120.40*	
		For >20 To 40, Deduct	*-218.76*	
		For >40, Deduct	*-459.55*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,622.15	662.52
		For Bronze Or Satin Anodized Finish, Add	*229.71*	
		For Black Anodized Finish, Add	*459.42*	
		For >10 To 20, Deduct	*-125.01*	
		For >20 To 40, Deduct	*-227.05*	
		For >40, Deduct	*-477.07*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,694.68	679.96
		For Bronze Or Satin Anodized Finish, Add	*233.48*	
		For Black Anodized Finish, Add	*466.95*	
		For >10 To 20, Deduct	*-127.39*	
		For >20 To 40, Deduct	*-231.43*	
		For >40, Deduct	*-486.21*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,908.71	697.39
		For Bronze Or Satin Anodized Finish, Add	*251.39*	
		For Black Anodized Finish, Add	*502.79*	
		For >10 To 20, Deduct	*-135.43*	
		For >20 To 40, Deduct	*-245.71*	
		For >40, Deduct	*-516.57*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,929.22	592.79
		For Bronze Or Satin Anodized Finish, Add	*174.37*	
		For Black Anodized Finish, Add	*348.73*	
		For >10 To 20, Deduct	*-99.39*	
		For >20 To 40, Deduct	*-181.33*	
		For >40, Deduct	*-380.11*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,148.46	627.65
		For Bronze Or Satin Anodized Finish, Add	*189.32*	
		For Black Anodized Finish, Add	*378.63*	
		For >10 To 20, Deduct	*-107.11*	
		For >20 To 40, Deduct	*-195.29*	
		For >40, Deduct	*-409.50*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,234.67	645.08
		For Bronze Or Satin Anodized Finish, Add	*194.45*	
		For Black Anodized Finish, Add	*388.90*	
		For >10 To 20, Deduct	*-110.03*	
		For >20 To 40, Deduct	*-200.62*	
		For >40, Deduct	*-420.69*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,452.12	662.52
		For Bronze Or Satin Anodized Finish, Add	*212.71*	
		For Black Anodized Finish, Add	*425.42*	
		For >10 To 20, Deduct	*-118.21*	
		For >20 To 40, Deduct	*-215.15*	
		For >40, Deduct	*-451.57*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,560.03	679.96
		For Bronze Or Satin Anodized Finish, Add	*220.01*	
		For Black Anodized Finish, Add	*440.02*	
		For >10 To 20, Deduct	*-122.00*	
		For >20 To 40, Deduct	*-222.00*	
		For >40, Deduct	*-466.01*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,775.20	697.39
		For Bronze Or Satin Anodized Finish, Add	*238.04*	
		For Black Anodized Finish, Add	*476.08*	
		For >10 To 20, Deduct	*-130.09*	
		For >20 To 40, Deduct	*-236.37*	
		For >40, Deduct	*-496.54*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,643.58	592.79
		For Bronze Or Satin Anodized Finish, Add	*245.80*	
		For Black Anodized Finish, Add	*491.60*	
		For >10 To 20, Deduct	*-127.96*	
		For >20 To 40, Deduct	*-231.34*	
		For >40, Deduct	*-487.26*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,852.54	627.65
		For Bronze Or Satin Anodized Finish, Add	*259.72*	
		For Black Anodized Finish, Add	*519.45*	
		For >10 To 20, Deduct	*-135.27*	
		For >20 To 40, Deduct	*-244.57*	
		For >40, Deduct	*-515.12*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,023.20	645.08
		For Bronze Or Satin Anodized Finish, Add	*273.30*	
		For Black Anodized Finish, Add	*546.61*	
		For >10 To 20, Deduct	*-141.58*	
		For >20 To 40, Deduct	*-255.82*	
		For >40, Deduct	*-538.97*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,286.30	662.52
		For Bronze Or Satin Anodized Finish, Add	*296.13*	
		For Black Anodized Finish, Add	*592.25*	
		For >10 To 20, Deduct	*-151.58*	
		For >20 To 40, Deduct	*-273.54*	
		For >40, Deduct	*-576.69*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,346.27	679.96
		For Bronze Or Satin Anodized Finish, Add	*298.64*	
		For Black Anodized Finish, Add	*597.27*	
		For >10 To 20, Deduct	*-153.45*	
		For >20 To 40, Deduct	*-277.04*	
		For >40, Deduct	*-583.95*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,608.23	697.39
		For Bronze Or Satin Anodized Finish, Add	*321.35*	
		For Black Anodized Finish, Add	*642.69*	
		For >10 To 20, Deduct	*-163.41*	
		For >20 To 40, Deduct	*-294.68*	
		For >40, Deduct	*-621.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,833.97	1,046.08
		For Bronze Or Satin Anodized Finish, Add	*374.18*	
		For Black Anodized Finish, Add	*748.36*	
		For >10 To 20, Deduct	*-201.98*	
		For >20 To 40, Deduct	*-366.53*	
		For >40, Deduct	*-770.49*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,975.47	1,046.08
		For Bronze Or Satin Anodized Finish, Add	*388.33*	
		For Black Anodized Finish, Add	*776.66*	
		For >10 To 20, Deduct	*-207.64*	
		For >20 To 40, Deduct	*-376.44*	
		For >40, Deduct	*-791.71*	
26 56 13 00-0426		**Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base** *(26 56 13 00-0354)*		
26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	986.72	209.22
		For Bronze, Satin Or Black Anodized Finish, Add	*85.24*	
		For >10 To 20, Deduct	*-33.19*	
		For >20 To 40, Deduct	*-60.70*	
		For >40, Deduct	*-127.09*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,080.43	244.09
		For Bronze, Satin Or Black Anodized Finish, Add	*88.84*	
		For >10 To 20, Deduct	*-35.89*	
		For >20 To 40, Deduct	*-65.87*	
		For >40, Deduct	*-137.66*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,175.27	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*92.60*	
		For >10 To 20, Deduct	*-38.64*	
		For >20 To 40, Deduct	*-71.11*	
		For >40, Deduct	*-148.40*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,272.39	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*96.71*	
		For >10 To 20, Deduct	*-41.48*	
		For >20 To 40, Deduct	*-76.51*	
		For >40, Deduct	*-159.48*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,368.38	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*100.65*	
		For >10 To 20, Deduct	*-44.27*	
		For >20 To 40, Deduct	*-81.84*	
		For >40, Deduct	*-170.39*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,094.13	244.09
		For Bronze, Satin Or Black Anodized Finish, Add	*90.89*	
		For >10 To 20, Deduct	*-36.44*	
		For >20 To 40, Deduct	*-66.83*	
		For >40, Deduct	*-139.71*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,191.24	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*95.00*	
		For >10 To 20, Deduct	*-39.28*	
		For >20 To 40, Deduct	*-72.23*	
		For >40, Deduct	*-150.79*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,290.65	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*99.45*	
		For >10 To 20, Deduct	*-42.21*	
		For >20 To 40, Deduct	*-77.79*	
		For >40, Deduct	*-162.22*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,388.92	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*103.73*	
		For >10 To 20, Deduct	*-45.10*	
		For >20 To 40, Deduct	*-83.28*	
		For >40, Deduct	*-173.47*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,502.02	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*110.23*	
		For >10 To 20, Deduct	*-48.57*	
		For >20 To 40, Deduct	*-89.80*	
		For >40, Deduct	*-186.95*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,604.85	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*115.20*	
		For >10 To 20, Deduct	*-51.64*	
		For >20 To 40, Deduct	*-95.60*	
		For >40, Deduct	*-198.88*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,235.75	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*101.68*	
		For >10 To 20, Deduct	*-41.06*	
		For >20 To 40, Deduct	*-75.34*	
		For >40, Deduct	*-157.47*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,340.86	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*106.98*	
		For >10 To 20, Deduct	*-44.22*	
		For >20 To 40, Deduct	*-81.31*	
		For >40, Deduct	*-169.75*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,459.67	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*114.34*	
		For >10 To 20, Deduct	*-47.93*	
		For >20 To 40, Deduct	*-88.23*	
		For >40, Deduct	*-184.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,567.07	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*119.99*	
		For >10 To 20, Deduct	*-51.18*	
		For >20 To 40, Deduct	*-94.35*	
		For >40, Deduct	*-196.70*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,689.29	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*127.86*	
		For >10 To 20, Deduct	*-55.02*	
		For >20 To 40, Deduct	*-101.51*	
		For >40, Deduct	*-211.55*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,524.72	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*124.10*	
		For >10 To 20, Deduct	*-50.53*	
		For >20 To 40, Deduct	*-92.78*	
		For >40, Deduct	*-193.84*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,654.94	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*133.17*	
		For >10 To 20, Deduct	*-54.69*	
		For >20 To 40, Deduct	*-100.50*	
		For >40, Deduct	*-209.88*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,760.04	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*138.48*	
		For >10 To 20, Deduct	*-57.85*	
		For >20 To 40, Deduct	*-106.47*	
		For >40, Deduct	*-222.16*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,271.12	278.95
		For Bronze, Satin Or Black Anodized Finish, Add	*106.98*	
		For >10 To 20, Deduct	*-42.48*	
		For >20 To 40, Deduct	*-77.82*	
		For >40, Deduct	*-162.77*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,394.50	313.82
		For Bronze, Satin Or Black Anodized Finish, Add	*115.03*	
		For >10 To 20, Deduct	*-46.37*	
		For >20 To 40, Deduct	*-85.06*	
		For >40, Deduct	*-177.79*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,524.72	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*124.10*	
		For >10 To 20, Deduct	*-50.53*	
		For >20 To 40, Deduct	*-92.78*	
		For >40, Deduct	*-193.84*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,641.24	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*131.12*	
		For >10 To 20, Deduct	*-54.14*	
		For >20 To 40, Deduct	*-99.54*	
		For >40, Deduct	*-207.83*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,765.75	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*139.33*	
		For >10 To 20, Deduct	*-58.08*	
		For >20 To 40, Deduct	*-106.87*	
		For >40, Deduct	*-223.02*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,598.89	348.70
		For Bronze, Satin Or Black Anodized Finish, Add	*135.23*	
		For >10 To 20, Deduct	*-53.49*	
		For >20 To 40, Deduct	*-97.97*	
		For >40, Deduct	*-204.96*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,738.24	383.57
		For Bronze, Satin Or Black Anodized Finish, Add	*145.67*	
		For >10 To 20, Deduct	*-58.02*	
		For >20 To 40, Deduct	*-106.33*	
		For >40, Deduct	*-222.38*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,849.05	418.43
		For Bronze, Satin Or Black Anodized Finish, Add	*151.83*	
		For >10 To 20, Deduct	*-61.41*	
		For >20 To 40, Deduct	*-112.70*	
		For >40, Deduct	*-235.51*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	686.48	174.34
		For Bronze Or Satin Anodized Finish, Add	*33.78*	
		For Black Anodized Finish, Add	*67.56*	
		For >10 To 20, Deduct	*-22.23*	
		For >20 To 40, Deduct	*-41.08*	
		For >40, Deduct	*-85.54*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	718.43	174.34
		For Bronze Or Satin Anodized Finish, Add	*36.97*	
		For Black Anodized Finish, Add	*73.95*	
		For >10 To 20, Deduct	*-23.51*	
		For >20 To 40, Deduct	*-43.32*	
		For >40, Deduct	*-90.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	779.55	191.78
		For Bronze Or Satin Anodized Finish, Add	*39.60*	
		For Black Anodized Finish, Add	*79.20*	
		For >10 To 20, Deduct	*-25.43*	
		For >20 To 40, Deduct	*-46.90*	
		For >40, Deduct	*-97.75*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	832.66	209.22
		For Bronze Or Satin Anodized Finish, Add	*41.42*	
		For Black Anodized Finish, Add	*82.85*	
		For >10 To 20, Deduct	*-27.03*	
		For >20 To 40, Deduct	*-49.92*	
		For >40, Deduct	*-103.98*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	873.74	209.22
		For Bronze Or Satin Anodized Finish, Add	*45.53*	
		For Black Anodized Finish, Add	*91.06*	
		For >10 To 20, Deduct	*-28.67*	
		For >20 To 40, Deduct	*-52.79*	
		For >40, Deduct	*-110.14*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	810.36	191.78
		For Bronze Or Satin Anodized Finish, Add	*42.68*	
		For Black Anodized Finish, Add	*85.36*	
		For >10 To 20, Deduct	*-26.66*	
		For >20 To 40, Deduct	*-49.05*	
		For >40, Deduct	*-102.38*	
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	877.17	209.22
		For Bronze Or Satin Anodized Finish, Add	*45.87*	
		For Black Anodized Finish, Add	*91.75*	
		For >10 To 20, Deduct	*-28.81*	
		For >20 To 40, Deduct	*-53.03*	
		For >40, Deduct	*-110.65*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	899.99	209.22
		For Bronze Or Satin Anodized Finish, Add	*48.16*	
		For Black Anodized Finish, Add	*96.31*	
		For >10 To 20, Deduct	*-29.72*	
		For >20 To 40, Deduct	*-54.63*	
		For >40, Deduct	*-114.08*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	971.38	226.65
		For Bronze Or Satin Anodized Finish, Add	*51.81*	
		For Black Anodized Finish, Add	*103.62*	
		For >10 To 20, Deduct	*-32.06*	
		For >20 To 40, Deduct	*-58.93*	
		For >40, Deduct	*-123.04*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,038.21	244.09
		For Bronze Or Satin Anodized Finish, Add	*55.00*	
		For Black Anodized Finish, Add	*110.01*	
		For >10 To 20, Deduct	*-34.21*	
		For >20 To 40, Deduct	*-62.91*	
		For >40, Deduct	*-131.32*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	966.18	209.22
		For Bronze Or Satin Anodized Finish, Add	*54.78*	
		For Black Anodized Finish, Add	*109.55*	
		For >10 To 20, Deduct	*-32.37*	
		For >20 To 40, Deduct	*-59.26*	
		For >40, Deduct	*-124.01*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,044.41	226.65
		For Bronze Or Satin Anodized Finish, Add	*59.11*	
		For Black Anodized Finish, Add	*118.22*	
		For >10 To 20, Deduct	*-34.98*	
		For >20 To 40, Deduct	*-64.04*	
		For >40, Deduct	*-134.00*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,116.95	244.09
		For Bronze Or Satin Anodized Finish, Add	*62.88*	
		For Black Anodized Finish, Add	*125.75*	
		For >10 To 20, Deduct	*-37.36*	
		For >20 To 40, Deduct	*-68.42*	
		For >40, Deduct	*-143.13*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,137.98	226.65
		For Bronze Or Satin Anodized Finish, Add	*68.47*	
		For Black Anodized Finish, Add	*136.94*	
		For >10 To 20, Deduct	*-38.72*	
		For >20 To 40, Deduct	*-70.59*	
		For >40, Deduct	*-148.03*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,455.99	278.95
		For Bronze Or Satin Anodized Finish, Add	*89.81*	
		For Black Anodized Finish, Add	*179.62*	
		For >10 To 20, Deduct	*-49.87*	
		For >20 To 40, Deduct	*-90.76*	
		For >40, Deduct	*-190.50*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,584.94	278.95
		For Bronze Or Satin Anodized Finish, Add	*102.70*	
		For Black Anodized Finish, Add	*205.41*	
		For >10 To 20, Deduct	*-55.03*	
		For >20 To 40, Deduct	*-99.79*	
		For >40, Deduct	*-209.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,765.37	313.82
		For Bronze Or Satin Anodized Finish, Add	*113.77*	
		For Black Anodized Finish, Add	*227.54*	
		For >10 To 20, Deduct	*-61.20*	
		For >20 To 40, Deduct	*-111.02*	
		For >40, Deduct	*-233.42*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,905.73	313.82
		For Bronze Or Satin Anodized Finish, Add	*127.81*	
		For Black Anodized Finish, Add	*255.62*	
		For >10 To 20, Deduct	*-66.81*	
		For >20 To 40, Deduct	*-120.85*	
		For >40, Deduct	*-254.48*	
26 56 13 00-0473		Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*		
26 56 13 00-0474		Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*		
26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	889.72	209.22
		For Bronze Or Satin Anodized Finish, Add	*47.13*	
		For Black Anodized Finish, Add	*94.26*	
		For >10 To 20, Deduct	*-29.31*	
		For >20 To 40, Deduct	*-53.91*	
		For >40, Deduct	*-112.54*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	983.43	244.09
		For Bronze Or Satin Anodized Finish, Add	*49.53*	
		For Black Anodized Finish, Add	*99.05*	
		For >10 To 20, Deduct	*-32.01*	
		For >20 To 40, Deduct	*-59.08*	
		For >40, Deduct	*-123.11*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,086.26	278.95
		For Bronze Or Satin Anodized Finish, Add	*52.84*	
		For Black Anodized Finish, Add	*105.67*	
		For >10 To 20, Deduct	*-35.08*	
		For >20 To 40, Deduct	*-64.88*	
		For >40, Deduct	*-135.04*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,187.95	313.82
		For Bronze Or Satin Anodized Finish, Add	*56.03*	
		For Black Anodized Finish, Add	*112.06*	
		For >10 To 20, Deduct	*-38.10*	
		For >20 To 40, Deduct	*-70.60*	
		For >40, Deduct	*-146.81*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,243.36	331.26
		For Bronze Or Satin Anodized Finish, Add	*58.08*	
		For Black Anodized Finish, Add	*116.17*	
		For >10 To 20, Deduct	*-39.80*	
		For >20 To 40, Deduct	*-73.78*	
		For >40, Deduct	*-153.38*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,298.77	348.70
		For Bronze Or Satin Anodized Finish, Add	*60.14*	
		For Black Anodized Finish, Add	*120.28*	
		For >10 To 20, Deduct	*-41.49*	
		For >20 To 40, Deduct	*-76.97*	
		For >40, Deduct	*-159.95*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,407.31	383.57
		For Bronze Or Satin Anodized Finish, Add	*64.02*	
		For Black Anodized Finish, Add	*128.04*	
		For >10 To 20, Deduct	*-44.79*	
		For >20 To 40, Deduct	*-83.17*	
		For >40, Deduct	*-172.74*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,526.11	418.43
		For Bronze Or Satin Anodized Finish, Add	*68.93*	
		For Black Anodized Finish, Add	*137.85*	
		For >10 To 20, Deduct	*-48.49*	
		For >20 To 40, Deduct	*-90.09*	
		For >40, Deduct	*-187.07*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,377.51	348.70
		For Bronze Or Satin Anodized Finish, Add	*68.01*	
		For Black Anodized Finish, Add	*136.02*	
		For >10 To 20, Deduct	*-44.64*	
		For >20 To 40, Deduct	*-82.48*	
		For >40, Deduct	*-171.76*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,488.33	383.57
		For Bronze Or Satin Anodized Finish, Add	*72.12*	
		For Black Anodized Finish, Add	*144.24*	
		For >10 To 20, Deduct	*-48.03*	
		For >20 To 40, Deduct	*-88.84*	
		For >40, Deduct	*-184.89*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,613.98	418.43
		For Bronze Or Satin Anodized Finish, Add	*77.71*	
		For Black Anodized Finish, Add	*155.42*	
		For >10 To 20, Deduct	*-52.01*	
		For >20 To 40, Deduct	*-96.24*	
		For >40, Deduct	*-200.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,585.70	331.26
		For Bronze Or Satin Anodized Finish, Add	*92.32*	
		For Black Anodized Finish, Add	*184.64*	
		For >10 To 20, Deduct	*-53.49*	
		For >20 To 40, Deduct	*-97.75*	
		For >40, Deduct	*-204.73*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,941.48	418.43
		For Bronze Or Satin Anodized Finish, Add	*110.46*	
		For Black Anodized Finish, Add	*220.92*	
		For >10 To 20, Deduct	*-65.11*	
		For >20 To 40, Deduct	*-119.17*	
		For >40, Deduct	*-249.38*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,363.10	557.91
		For Bronze Or Satin Anodized Finish, Add	*124.73*	
		For Black Anodized Finish, Add	*249.45*	
		For >10 To 20, Deduct	*-77.79*	
		For >20 To 40, Deduct	*-143.10*	
		For >40, Deduct	*-298.67*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,684.73	418.43
		For Bronze Or Satin Anodized Finish, Add	*84.79*	
		For Black Anodized Finish, Add	*169.57*	
		For >10 To 20, Deduct	*-54.84*	
		For >20 To 40, Deduct	*-101.19*	
		For >40, Deduct	*-210.87*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,079.56	418.43
		For Bronze Or Satin Anodized Finish, Add	*124.27*	
		For Black Anodized Finish, Add	*248.54*	
		For >10 To 20, Deduct	*-70.63*	
		For >20 To 40, Deduct	*-128.83*	
		For >40, Deduct	*-270.09*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,488.62	557.91
		For Bronze Or Satin Anodized Finish, Add	*137.28*	
		For Black Anodized Finish, Add	*274.56*	
		For >10 To 20, Deduct	*-82.81*	
		For >20 To 40, Deduct	*-151.89*	
		For >40, Deduct	*-317.50*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,296.38	418.43
		For Bronze Or Satin Anodized Finish, Add	*145.95*	
		For Black Anodized Finish, Add	*291.90*	
		For >10 To 20, Deduct	*-79.30*	
		For >20 To 40, Deduct	*-144.01*	
		For >40, Deduct	*-302.61*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,771.62	557.91
		For Bronze Or Satin Anodized Finish, Add	*165.58*	
		For Black Anodized Finish, Add	*331.16*	
		For >10 To 20, Deduct	*-94.13*	
		For >20 To 40, Deduct	*-171.70*	
		For >40, Deduct	*-359.95*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,205.52	627.65
		For Bronze Or Satin Anodized Finish, Add	*195.02*	
		For Black Anodized Finish, Add	*390.04*	
		For >10 To 20, Deduct	*-109.39*	
		For >20 To 40, Deduct	*-199.28*	
		For >40, Deduct	*-418.06*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	798.31	174.34
		For Bronze Or Satin Anodized Finish, Add	*44.96*	
		For Black Anodized Finish, Add	*89.92*	
		For >10 To 20, Deduct	*-26.70*	
		For >20 To 40, Deduct	*-48.91*	
		For >40, Deduct	*-102.31*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	891.38	191.78
		For Bronze Or Satin Anodized Finish, Add	*50.78*	
		For Black Anodized Finish, Add	*101.56*	
		For >10 To 20, Deduct	*-29.90*	
		For >20 To 40, Deduct	*-54.73*	
		For >40, Deduct	*-114.53*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	950.20	209.22
		For Bronze Or Satin Anodized Finish, Add	*53.18*	
		For Black Anodized Finish, Add	*106.35*	
		For >10 To 20, Deduct	*-31.73*	
		For >20 To 40, Deduct	*-58.15*	
		For >40, Deduct	*-121.61*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	978.73	209.22
		For Bronze Or Satin Anodized Finish, Add	*56.03*	
		For Black Anodized Finish, Add	*112.06*	
		For >10 To 20, Deduct	*-32.87*	
		For >20 To 40, Deduct	*-60.14*	
		For >40, Deduct	*-125.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,014.11	209.22
		For Bronze Or Satin Anodized Finish, Add	*59.57*	
		For Black Anodized Finish, Add	*119.14*	
		For >10 To 20, Deduct	*-34.29*	
		For >20 To 40, Deduct	*-62.62*	
		For >40, Deduct	*-131.20*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,169.94	226.65
		For Bronze Or Satin Anodized Finish, Add	*71.66*	
		For Black Anodized Finish, Add	*143.33*	
		For >10 To 20, Deduct	*-40.00*	
		For >20 To 40, Deduct	*-72.83*	
		For >40, Deduct	*-152.83*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,253.88	244.09
		For Bronze Or Satin Anodized Finish, Add	*76.57*	
		For Black Anodized Finish, Add	*153.14*	
		For >10 To 20, Deduct	*-42.83*	
		For >20 To 40, Deduct	*-78.01*	
		For >40, Deduct	*-163.67*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,433.04	244.09
		For Bronze Or Satin Anodized Finish, Add	*94.49*	
		For Black Anodized Finish, Add	*188.97*	
		For >10 To 20, Deduct	*-50.00*	
		For >20 To 40, Deduct	*-90.55*	
		For >40, Deduct	*-190.55*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,646.56	278.95
		For Bronze Or Satin Anodized Finish, Add	*108.87*	
		For Black Anodized Finish, Add	*217.73*	
		For >10 To 20, Deduct	*-57.49*	
		For >20 To 40, Deduct	*-104.10*	
		For >40, Deduct	*-219.09*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	2,047.10	278.95
		For Bronze Or Satin Anodized Finish, Add	*148.92*	
		For Black Anodized Finish, Add	*297.84*	
		For >10 To 20, Deduct	*-73.52*	
		For >20 To 40, Deduct	*-132.14*	
		For >40, Deduct	*-279.17*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	107.87
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	42.53
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	163.19

26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,477.98	244.09
		For >10 To 20, Deduct	*-51.80*	
		For >20 To 40, Deduct	*-93.70*	
		For >40, Deduct	*-197.29*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,606.62	278.95
		For >10 To 20, Deduct	*-55.90*	
		For >20 To 40, Deduct	*-101.31*	
		For >40, Deduct	*-213.10*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,736.96	313.82
		For >10 To 20, Deduct	*-60.06*	
		For >20 To 40, Deduct	*-109.03*	
		For >40, Deduct	*-229.16*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,865.62	348.70
		For >10 To 20, Deduct	*-64.16*	
		For >20 To 40, Deduct	*-116.65*	
		For >40, Deduct	*-244.97*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,024.58	383.57
		For >10 To 20, Deduct	*-69.48*	
		For >20 To 40, Deduct	*-126.38*	
		For >40, Deduct	*-265.33*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,156.59	418.43
		For >10 To 20, Deduct	*-73.71*	
		For >20 To 40, Deduct	*-134.22*	
		For >40, Deduct	*-281.65*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,356.68	488.18
		For >10 To 20, Deduct	*-79.62*	
		For >20 To 40, Deduct	*-145.44*	
		For >40, Deduct	*-304.68*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,555.08	557.91
		For >10 To 20, Deduct	*-85.47*	
		For >20 To 40, Deduct	*-156.54*	
		For >40, Deduct	*-327.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,691.43	557.91
		For >10 To 20, Deduct	*-90.92*	
		For >20 To 40, Deduct	*-166.08*	
		For >40, Deduct	*-347.92*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,880.67	592.79
		For >10 To 20, Deduct	*-97.44*	
		For >20 To 40, Deduct	*-177.94*	
		For >40, Deduct	*-372.82*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,069.94	627.65
		For >10 To 20, Deduct	*-103.97*	
		For >20 To 40, Deduct	*-189.79*	
		For >40, Deduct	*-397.73*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,632.84	244.09
		For >10 To 20, Deduct	*-57.99*	
		For >20 To 40, Deduct	*-104.54*	
		For >40, Deduct	*-220.52*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,731.19	278.95
		For >10 To 20, Deduct	*-60.88*	
		For >20 To 40, Deduct	*-110.03*	
		For >40, Deduct	*-231.78*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,831.23	313.82
		For >10 To 20, Deduct	*-63.83*	
		For >20 To 40, Deduct	*-115.63*	
		For >40, Deduct	*-243.30*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,934.64	348.70
		For >10 To 20, Deduct	*-66.92*	
		For >20 To 40, Deduct	*-121.48*	
		For >40, Deduct	*-255.33*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,046.46	383.57
		For >10 To 20, Deduct	*-70.35*	
		For >20 To 40, Deduct	*-127.91*	
		For >40, Deduct	*-268.61*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,156.59	418.43
		For >10 To 20, Deduct	*-73.71*	
		For >20 To 40, Deduct	*-134.22*	
		For >40, Deduct	*-281.65*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,336.48	488.18
		For >10 To 20, Deduct	*-78.81*	
		For >20 To 40, Deduct	*-144.03*	
		For >40, Deduct	*-301.65*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,555.08	557.91
		For >10 To 20, Deduct	*-85.47*	
		For >20 To 40, Deduct	*-156.54*	
		For >40, Deduct	*-327.47*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,612.31	557.91
		For >10 To 20, Deduct	*-87.75*	
		For >20 To 40, Deduct	*-160.55*	
		For >40, Deduct	*-336.06*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,740.96	592.79
		For >10 To 20, Deduct	*-91.86*	
		For >20 To 40, Deduct	*-168.16*	
		For >40, Deduct	*-351.87*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,869.62	627.65
		For >10 To 20, Deduct	*-95.96*	
		For >20 To 40, Deduct	*-175.77*	
		For >40, Deduct	*-367.68*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,860.09	244.09
		For >10 To 20, Deduct	*-67.08*	
		For >20 To 40, Deduct	*-120.44*	
		For >40, Deduct	*-254.60*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,982.01	278.95
		For >10 To 20, Deduct	*-70.91*	
		For >20 To 40, Deduct	*-127.58*	
		For >40, Deduct	*-269.41*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,103.93	313.82
		For >10 To 20, Deduct	*-74.74*	
		For >20 To 40, Deduct	*-134.72*	
		For >40, Deduct	*-284.21*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,227.54	348.70
		For >10 To 20, Deduct	*-78.64*	
		For >20 To 40, Deduct	*-141.98*	
		For >40, Deduct	*-299.26*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,357.88	383.57
		For >10 To 20, Deduct	*-82.81*	
		For >20 To 40, Deduct	*-149.71*	
		For >40, Deduct	*-315.33*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,498.31	418.43
		For >10 To 20, Deduct	*-87.38*	
		For >20 To 40, Deduct	*-158.14*	
		For >40, Deduct	*-332.90*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,723.65	488.18
		For >10 To 20, Deduct	*-94.30*	
		For >20 To 40, Deduct	*-171.13*	
		For >40, Deduct	*-359.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,950.66	557.91
		For >10 To 20, Deduct	*-101.29*	
		For >20 To 40, Deduct	*-184.23*	
		For >40, Deduct	*-386.81*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,038.19	557.91
		For >10 To 20, Deduct	*-104.79*	
		For >20 To 40, Deduct	*-190.36*	
		For >40, Deduct	*-399.94*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,245.96	592.79
		For >10 To 20, Deduct	*-112.06*	
		For >20 To 40, Deduct	*-203.51*	
		For >40, Deduct	*-427.62*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,415.02	627.65
		For >10 To 20, Deduct	*-117.77*	
		For >20 To 40, Deduct	*-213.95*	
		For >40, Deduct	*-449.49*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,549.20	645.08
		For >10 To 20, Deduct	*-122.62*	
		For >20 To 40, Deduct	*-222.64*	
		For >40, Deduct	*-467.87*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,683.39	662.52
		For >10 To 20, Deduct	*-127.46*	
		For >20 To 40, Deduct	*-231.34*	
		For >40, Deduct	*-486.26*	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*

26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	914.30	174.34
		For >10 To 20, Deduct	*-31.34*	
		For >20 To 40, Deduct	*-57.03*	
		For >40, Deduct	*-119.71*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	981.15	191.78
		For >10 To 20, Deduct	*-33.49*	
		For >20 To 40, Deduct	*-61.01*	
		For >40, Deduct	*-127.99*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,046.31	209.22
		For >10 To 20, Deduct	*-35.58*	
		For >20 To 40, Deduct	*-64.87*	
		For >40, Deduct	*-136.03*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,074.93	209.22
		For >10 To 20, Deduct	*-36.72*	
		For >20 To 40, Deduct	*-66.88*	
		For >40, Deduct	*-140.32*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,156.93	226.65
		For >10 To 20, Deduct	*-39.48*	
		For >20 To 40, Deduct	*-71.92*	
		For >40, Deduct	*-150.87*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,225.48	244.09
		For >10 To 20, Deduct	*-41.70*	
		For >20 To 40, Deduct	*-76.02*	
		For >40, Deduct	*-159.41*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,299.06	261.53
		For >10 To 20, Deduct	*-44.12*	
		For >20 To 40, Deduct	*-80.47*	
		For >40, Deduct	*-168.71*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,381.06	278.95
		For >10 To 20, Deduct	*-46.87*	
		For >20 To 40, Deduct	*-85.52*	
		For >40, Deduct	*-179.26*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,542.66	278.95
		For >10 To 20, Deduct	*-53.34*	
		For >20 To 40, Deduct	*-96.83*	
		For >40, Deduct	*-203.50*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,739.14	296.39
		For >10 To 20, Deduct	*-60.67*	
		For >20 To 40, Deduct	*-109.88*	
		For >40, Deduct	*-231.23*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,935.60	313.82
		For >10 To 20, Deduct	*-68.01*	
		For >20 To 40, Deduct	*-122.94*	
		For >40, Deduct	*-258.96*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,069.17	174.34
		For >10 To 20, Deduct	*-37.54*	
		For >20 To 40, Deduct	*-67.87*	
		For >40, Deduct	*-142.94*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,144.44	191.78
		For >10 To 20, Deduct	*-40.02*	
		For >20 To 40, Deduct	*-72.44*	
		For >40, Deduct	*-152.49*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,219.70	209.22
		For >10 To 20, Deduct	*-42.51*	
		For >20 To 40, Deduct	*-77.01*	
		For >40, Deduct	*-162.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,261.78	209.22
		For >10 To 20, Deduct	*-44.19*	
		For >20 To 40, Deduct	*-79.96*	
		For >40, Deduct	*-168.35*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,337.05	226.65
		For >10 To 20, Deduct	*-46.68*	
		For >20 To 40, Deduct	*-84.53*	
		For >40, Deduct	*-177.89*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,412.33	244.09
		For >10 To 20, Deduct	*-49.17*	
		For >20 To 40, Deduct	*-89.10*	
		For >40, Deduct	*-187.44*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,487.59	261.53
		For >10 To 20, Deduct	*-51.66*	
		For >20 To 40, Deduct	*-93.67*	
		For >40, Deduct	*-196.99*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,601.57	278.95
		For >10 To 20, Deduct	*-55.69*	
		For >20 To 40, Deduct	*-100.95*	
		For >40, Deduct	*-212.34*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,758.12	278.95
		For >10 To 20, Deduct	*-61.96*	
		For >20 To 40, Deduct	*-111.91*	
		For >40, Deduct	*-235.82*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,951.24	296.39
		For >10 To 20, Deduct	*-69.16*	
		For >20 To 40, Deduct	*-124.73*	
		For >40, Deduct	*-263.05*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	2,142.65	313.82
		For >10 To 20, Deduct	*-76.29*	
		For >20 To 40, Deduct	*-137.43*	
		For >40, Deduct	*-290.02*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,205.52	174.34
		For >10 To 20, Deduct	*-42.99*	
		For >20 To 40, Deduct	*-77.41*	
		For >40, Deduct	*-163.39*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,270.68	191.78
		For >10 To 20, Deduct	*-45.07*	
		For >20 To 40, Deduct	*-81.28*	
		For >40, Deduct	*-171.42*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,334.16	209.22
		For >10 To 20, Deduct	*-47.09*	
		For >20 To 40, Deduct	*-85.02*	
		For >40, Deduct	*-179.20*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,362.78	209.22
		For >10 To 20, Deduct	*-48.23*	
		For >20 To 40, Deduct	*-87.03*	
		For >40, Deduct	*-183.50*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,426.26	226.65
		For >10 To 20, Deduct	*-50.25*	
		For >20 To 40, Deduct	*-90.77*	
		For >40, Deduct	*-191.27*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,491.44	244.09
		For >10 To 20, Deduct	*-52.33*	
		For >20 To 40, Deduct	*-94.64*	
		For >40, Deduct	*-199.31*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,613.84	261.53
		For >10 To 20, Deduct	*-56.71*	
		For >20 To 40, Deduct	*-102.51*	
		For >40, Deduct	*-215.92*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,756.44	278.95
		For >10 To 20, Deduct	*-61.89*	
		For >20 To 40, Deduct	*-111.79*	
		For >40, Deduct	*-235.57*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,854.07	278.95
		For >10 To 20, Deduct	*-65.79*	
		For >20 To 40, Deduct	*-118.63*	
		For >40, Deduct	*-250.22*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,988.27	296.39
		For >10 To 20, Deduct	*-70.64*	
		For >20 To 40, Deduct	*-127.32*	
		For >40, Deduct	*-268.60*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	2,122.45	313.82
		For >10 To 20, Deduct	*-75.48*	
		For >20 To 40, Deduct	*-136.02*	
		For >40, Deduct	*-286.99*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	59.68
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	59.68
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	113.24
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	149.97

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0587		Concrete Area Light Poles *(26 56 13 00-0177)*		
26 56 13 00-0588		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*		
26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,112.07	592.79
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,228.14	627.65
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,308.25	645.08
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,799.70	662.52
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,090.63	697.39
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,847.25	906.61
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,623.97	1,115.83
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,235.95	592.79
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,860.32	627.65
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	703.26	209.22
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,532.03	418.30
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	272.42	85.36
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	559.02	170.72
26 56 13 00-0602		Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)* Note: Round or square.		
26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,088.39	278.95
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,376.72	348.70
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,641.27	418.43
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,702.78	627.65
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,238.97	662.52
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,817.32	697.39
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,633.93	906.61
26 56 13 00-0610		Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	18,666.86	1,569.13
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	22,240.77	1,923.63
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	26,388.32	2,598.59
26 56 13 00-0614		Treated Wood Area Light Poles *(26 56 13 00-0177)* See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		Cast Iron Decorative Light Posts *(26 56 13 00-0177)*		
26 56 13 00-0616		Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)* Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,571.48	174.34
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,656.96	200.85
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,796.95	209.22
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,208.08	244.09
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,579.30	265.01
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,968.51	285.93
26 56 13 00-0623		Landscape Light Poles *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0624		Aluminum Landscape Light Poles *(26 56 13 00-0623)* Note: Includes painted finish.		
26 56 13 00-0625		Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*		
26 56 13 00-0626		Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	519.98	209.22
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	879.30	278.95
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	472.19	209.22
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	831.51	278.95
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)* Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	602.59	209.22
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	561.34	209.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	822.22	41.85
		For Galvanized Finish, Add	*73.85*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,045.04	41.85
		For Galvanized Finish, Add	*96.14*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,113.06	41.85
		For Galvanized Finish, Add	*102.94*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,532.91	41.85
		For Galvanized Finish, Add	*144.92*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,598.29	41.85
		For Galvanized Finish, Add	*151.46*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	269.70	41.85
		For Bronze Or Satin Anodized Finish, Add	*18.60*	
		For Black Anodized Finish, Add	*37.20*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	329.04	41.85
		For Bronze Or Satin Anodized Finish, Add	*24.54*	
		For Black Anodized Finish, Add	*49.07*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	345.01	41.85
		For Bronze Or Satin Anodized Finish, Add	*26.13*	
		For Black Anodized Finish, Add	*52.26*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	400.93	41.85
		For Bronze Or Satin Anodized Finish, Add	*31.72*	
		For Black Anodized Finish, Add	*63.45*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	412.34	41.85
		For Bronze Or Satin Anodized Finish, Add	*32.87*	
		For Black Anodized Finish, Add	*65.73*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	885.85	41.85
		For Galvanized Finish, Add	*80.22*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,099.28	41.85
		For Galvanized Finish, Add	*101.56*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,349.96	41.85
		For Galvanized Finish, Add	*126.63*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,601.80	41.85
		For Galvanized Finish, Add	*151.81*	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	822.60	69.74
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,259.45	69.74
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,776.33	69.74
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,946.38	69.74
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	466.21	62.76
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	491.60	69.74
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	566.62	87.17
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	700.93	69.74
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	775.37	87.17
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	941.89	104.61
26 56 13 00-0675		Aluminum, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	267.26	69.74
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	332.80	69.74
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	445.51	87.17
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	585.41	104.61

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	918.36	69.74
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,458.66	76.71
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,621.68	83.69
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,930.76	90.66
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	1,093.17	87.17
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,578.72	94.14
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	325.49	69.74
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	401.43	87.17
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	479.67	104.61
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	323.20	69.74
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	460.40	76.71
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	396.86	87.17
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	561.45	94.14
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	481.95	104.61
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	681.90	111.58
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,301.62	
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	57,165.82	2,135.29
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	60,385.66	2,236.41
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	63,639.85	2,382.47
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	66,926.41	2,573.47
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	70,230.46	2,809.35
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	74,482.20	3,090.50
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	77,915.47	3,371.41
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	81,085.43	3,652.33
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	84,518.70	3,933.39
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	88,697.02	4,214.30
26 56 13 00-0712		**High Mast Light Poles** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	21,702.16	1,282.42
26 56 13 00-0714	EA	70' High Mast Light Poles	24,891.64	1,343.17
26 56 13 00-0715	EA	80' High Mast Light Poles	28,101.95	1,430.91
26 56 13 00-0716	EA	90' High Mast Light Poles	31,331.14	1,545.66
26 56 13 00-0717	EA	100' High Mast Light Poles	34,581.19	1,687.39
26 56 13 00-0718	EA	110' High Mast Light Poles	37,852.07	1,856.13
26 56 13 00-0719	EA	120' High Mast Light Poles	40,323.28	2,024.87
26 56 13 00-0720	EA	130' High Mast Light Poles	40,335.63	3,752.77
26 56 13 00-0721	EA	140' High Mast Light Poles	45,000.47	2,362.35
26 56 13 00-0722	EA	150' High Mast Light Poles	47,736.93	2,531.09
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)*		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,007.55	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,851.43	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,159.54	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	907.88	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,691.76	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	18,449.71	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	18,557.05	
26 56 13 00-0731		**Concrete Bases** *(26 56 13 00-0001)*		
26 56 13 00-0732		**Concrete Bases, Cast In Place** *(26 56 13 00-0731)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Cast In Place Concrete Base For Poles Minimum Charge	390.94	
		Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	64.91	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	90.01	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	120.43	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	157.26	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	209.76	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	263.06	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	380.06	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	521.02	

26 56 18 Incandescent Exterior Lighting *(26 56)*

26 56 18 00-0001 Exterior Globe *(26 56 18)*

26 56 18 00-0002 Incandescent, Exterior Globe *(26 56 18 00-0001)*

26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	60.34	22.78
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	91.04	22.78
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	70.09	22.78
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	94.80	22.78

26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)*

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	269.00	91.09
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	280.43	96.78
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	308.83	102.47
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	299.66	113.86
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	337.31	130.94

26 56 19 LED Exterior Lighting *(26 56)*

26 56 19 00-0001 LED, Wall Packs *(26 56 19)*

26 56 19 00-0002 Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*

26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*

26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	971.76	122.10
		For >50 To 100, Deduct	*-48.59*	
		For >100 To 250, Deduct	*-72.88*	
		For >250 To 500, Deduct	*-115.37*	
		For >500 To 1000, Deduct	*-157.85*	
		For >1000, Deduct	*-200.33*	
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,050.74	122.10
		For >50 To 100, Deduct	*-52.54*	
		For >100 To 250, Deduct	*-78.81*	
		For >250 To 500, Deduct	*-125.24*	
		For >500 To 1000, Deduct	*-171.67*	
		For >1000, Deduct	*-218.10*	

26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*

26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,052.11	118.61
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*54.37*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-52.61*	
		For >100 To 250, Deduct	*-78.91*	
		For >250 To 500, Deduct	*-125.58*	
		For >500 To 1000, Deduct	*-172.26*	
		For >1000, Deduct	*-218.93*	
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,361.31	125.58
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*55.07*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-68.07*	
		For >100 To 250, Deduct	*-102.10*	
		For >250 To 500, Deduct	*-163.88*	
		For >500 To 1000, Deduct	*-225.67*	
		For >1000, Deduct	*-287.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,527.78	132.56
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*55.77*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-76.39*	
		For >100 To 250, Deduct	*-114.58*	
		For >250 To 500, Deduct	*-184.34*	
		For >500 To 1000, Deduct	*-254.11*	
		For >1000, Deduct	*-323.87*	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,979.73	139.53
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*56.46*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-98.99*	
		For >100 To 250, Deduct	*-148.48*	
		For >250 To 500, Deduct	*-240.49*	
		For >500 To 1000, Deduct	*-332.50*	
		For >1000, Deduct	*-424.51*	
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,288.93	146.52
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*57.16*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-114.45*	
		For >100 To 250, Deduct	*-171.67*	
		For >250 To 500, Deduct	*-278.79*	
		For >500 To 1000, Deduct	*-385.91*	
		For >1000, Deduct	*-493.03*	
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,598.15	153.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*57.86*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-129.91*	
		For >100 To 250, Deduct	*-194.86*	
		For >250 To 500, Deduct	*-317.09*	
		For >500 To 1000, Deduct	*-439.33*	
		For >1000, Deduct	*-561.56*	

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	613.67	118.61
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*67.48*	
		For >50 To 100, Deduct	*-30.68*	
		For >100 To 250, Deduct	*-46.03*	
		For >250 To 500, Deduct	*-70.78*	
		For >500 To 1000, Deduct	*-95.53*	
		For >1000, Deduct	*-120.28*	
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	715.45	125.58
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*67.48*	
		For >50 To 100, Deduct	*-35.77*	
		For >100 To 250, Deduct	*-53.66*	
		For >250 To 500, Deduct	*-83.15*	
		For >500 To 1000, Deduct	*-112.65*	
		For >1000, Deduct	*-142.14*	

26 56 19 00-0017 Full Cutoff, LED Wall Packs (McGraw-Edison) *(26 56 19 00-0002)*

26 56 19 00-0018	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,298.95	118.61
26 56 19 00-0019	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,614.35	125.58
26 56 19 00-0020	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,314.46	118.61
26 56 19 00-0021	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,756.21	125.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0022		Open Face LED Wall Pack *(26 56 19 00-0001)* Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0023	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	757.63	124.63
		For >50 To 100, Deduct	*-37.88*	
		For >100 To 250, Deduct	*-56.82*	
		For >250 To 500, Deduct	*-85.36*	
		For >500 To 1000, Deduct	*-113.89*	
		For >1000, Deduct	*-142.43*	
26 56 19 00-0024	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	814.40	124.63
		For >50 To 100, Deduct	*-40.72*	
		For >100 To 250, Deduct	*-61.08*	
		For >250 To 500, Deduct	*-92.45*	
		For >500 To 1000, Deduct	*-123.83*	
		For >1000, Deduct	*-155.20*	
26 56 19 00-0025	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	844.13	124.63
		For >50 To 100, Deduct	*-42.21*	
		For >100 To 250, Deduct	*-63.31*	
		For >250 To 500, Deduct	*-96.17*	
		For >500 To 1000, Deduct	*-129.03*	
		For >1000, Deduct	*-161.89*	
26 56 19 00-0026	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	868.25	124.63
		For >50 To 100, Deduct	*-43.41*	
		For >100 To 250, Deduct	*-65.12*	
		For >250 To 500, Deduct	*-99.18*	
		For >500 To 1000, Deduct	*-133.25*	
		For >1000, Deduct	*-167.32*	
26 56 19 00-0027	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	1,049.12	124.63
		For >50 To 100, Deduct	*-52.46*	
		For >100 To 250, Deduct	*-78.68*	
		For >250 To 500, Deduct	*-121.79*	
		For >500 To 1000, Deduct	*-164.90*	
		For >1000, Deduct	*-208.01*	
26 56 19 00-0028		Wall Pack Accessories *(26 56 19 00-0001)*		
26 56 19 00-0029	EA	Photocell For Wall Pack	140.43	31.16
26 56 19 00-0030	EA	Wire Guard For Mini And Small Wall Pack	156.76	31.16
26 56 19 00-0031	EA	Wire Guard For Medium And Large Wall Pack	225.05	31.16
26 56 19 00-0032	EA	Clear Polycarbonate Vandal Guard For Wall Packs	323.60	31.16
26 56 19 00-0033	EA	Full Cutoff Visor For Wall Pack	152.31	31.16
26 56 19 00-0034		LED, Roadway Lighting *(26 56 19)*		
26 56 19 00-0035		LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0034)*		
26 56 19 00-0036		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0035)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0037	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,454.88	167.79
		For >50 To 100, Deduct	*-72.74*	
		For >100 To 250, Deduct	*-109.12*	
		For >250 To 500, Deduct	*-173.47*	
		For >500 To 1000, Deduct	*-237.82*	
		For >1000, Deduct	*-302.18*	
26 56 19 00-0038	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,254.45	172.33
		For >50 To 100, Deduct	*-112.72*	
		For >100 To 250, Deduct	*-169.08*	
		For >250 To 500, Deduct	*-273.19*	
		For >500 To 1000, Deduct	*-377.30*	
		For >1000, Deduct	*-481.40*	
26 56 19 00-0039		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) *(26 56 19 00-0035)* Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0040	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,173.57	167.79
		For >50 To 100, Deduct	*-58.68*	
		For >100 To 250, Deduct	*-88.02*	
		For >250 To 500, Deduct	*-138.31*	
		For >500 To 1000, Deduct	*-188.60*	
		For >1000, Deduct	*-238.88*	
26 56 19 00-0041	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,257.37	167.79
		For >50 To 100, Deduct	*-62.87*	
		For >100 To 250, Deduct	*-94.30*	
		For >250 To 500, Deduct	*-148.78*	
		For >500 To 1000, Deduct	*-203.26*	
		For >1000, Deduct	*-257.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0042	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,341.17	167.79
		For >50 To 100, Deduct	*-67.06*	
		For >100 To 250, Deduct	*-100.59*	
		For >250 To 500, Deduct	*-159.26*	
		For >500 To 1000, Deduct	*-217.93*	
		For >1000, Deduct	*-276.59*	

26 56 19 00-0043 LED Roadway Lighting (Lithonia) *(26 56 19 00-0034)*

26 56 19 00-0044 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0043)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0045	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,358.60	158.73
		For >50 To 100, Deduct	*-117.93*	
		For >100 To 250, Deduct	*-176.90*	
		For >250 To 500, Deduct	*-286.89*	
		For >500 To 1000, Deduct	*-396.88*	
		For >1000, Deduct	*-506.88*	
26 56 19 00-0046	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	3,907.45	163.26
		For >50 To 100, Deduct	*-195.37*	
		For >100 To 250, Deduct	*-293.06*	
		For >250 To 500, Deduct	*-480.27*	
		For >500 To 1000, Deduct	*-667.48*	
		For >1000, Deduct	*-854.69*	

26 56 19 00-0047 LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0034)*

26 56 19 00-0048 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

26 56 19 00-0049	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	960.70	154.19
		For >50 To 100, Deduct	*-48.04*	
		For >100 To 250, Deduct	*-72.05*	
		For >250 To 500, Deduct	*-112.38*	
		For >500 To 1000, Deduct	*-152.70*	
		For >1000, Deduct	*-193.03*	
26 56 19 00-0050	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,080.38	158.73
		For >50 To 100, Deduct	*-54.02*	
		For >100 To 250, Deduct	*-81.03*	
		For >250 To 500, Deduct	*-127.11*	
		For >500 To 1000, Deduct	*-173.19*	
		For >1000, Deduct	*-219.28*	
26 56 19 00-0051	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,224.87	163.26
		For >50 To 100, Deduct	*-61.24*	
		For >100 To 250, Deduct	*-91.87*	
		For >250 To 500, Deduct	*-144.95*	
		For >500 To 1000, Deduct	*-198.03*	
		For >1000, Deduct	*-251.11*	
26 56 19 00-0052	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,346.47	167.79
		For >50 To 100, Deduct	*-67.32*	
		For >100 To 250, Deduct	*-100.99*	
		For >250 To 500, Deduct	*-159.92*	
		For >500 To 1000, Deduct	*-218.85*	
		For >1000, Deduct	*-277.79*	
26 56 19 00-0053	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,468.08	172.33
		For >50 To 100, Deduct	*-73.40*	
		For >100 To 250, Deduct	*-110.11*	
		For >250 To 500, Deduct	*-174.89*	
		For >500 To 1000, Deduct	*-239.68*	
		For >1000, Deduct	*-304.47*	
26 56 19 00-0054	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,757.52	176.86
		For >50 To 100, Deduct	*-87.88*	
		For >100 To 250, Deduct	*-131.81*	
		For >250 To 500, Deduct	*-210.85*	
		For >500 To 1000, Deduct	*-289.88*	
		For >1000, Deduct	*-368.91*	
26 56 19 00-0055	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,879.12	181.41
		For >50 To 100, Deduct	*-93.96*	
		For >100 To 250, Deduct	*-140.93*	
		For >250 To 500, Deduct	*-225.82*	
		For >500 To 1000, Deduct	*-310.71*	
		For >1000, Deduct	*-395.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0056	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,998.83	185.94
		For >50 To 100, Deduct	*-99.94*	
		For >100 To 250, Deduct	*-149.91*	
		For >250 To 500, Deduct	*-240.56*	
		For >500 To 1000, Deduct	*-331.20*	
		For >1000, Deduct	*-421.85*	
26 56 19 00-0057	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,232.96	190.47
		For >50 To 100, Deduct	*-111.65*	
		For >100 To 250, Deduct	*-167.47*	
		For >250 To 500, Deduct	*-269.60*	
		For >500 To 1000, Deduct	*-371.72*	
		For >1000, Deduct	*-473.84*	
26 56 19 00-0058	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,354.55	195.01
		For >50 To 100, Deduct	*-117.73*	
		For >100 To 250, Deduct	*-176.59*	
		For >250 To 500, Deduct	*-284.57*	
		For >500 To 1000, Deduct	*-392.55*	
		For >1000, Deduct	*-500.52*	
26 56 19 00-0059	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,476.16	199.54
		For >50 To 100, Deduct	*-123.81*	
		For >100 To 250, Deduct	*-185.71*	
		For >250 To 500, Deduct	*-299.54*	
		For >500 To 1000, Deduct	*-413.37*	
		For >1000, Deduct	*-527.21*	

26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0047)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,921.04	163.26
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-96.05*	
		For >100 To 250, Deduct	*-144.08*	
		For >250 To 500, Deduct	*-231.97*	
		For >500 To 1000, Deduct	*-319.86*	
		For >1000, Deduct	*-407.75*	
26 56 19 00-0062	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,219.57	172.33
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-110.98*	
		For >100 To 250, Deduct	*-166.47*	
		For >250 To 500, Deduct	*-268.83*	
		For >500 To 1000, Deduct	*-371.19*	
		For >1000, Deduct	*-473.55*	
26 56 19 00-0063	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,518.08	181.41
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-125.90*	
		For >100 To 250, Deduct	*-188.86*	
		For >250 To 500, Deduct	*-305.69*	
		For >500 To 1000, Deduct	*-422.52*	
		For >1000, Deduct	*-539.36*	
26 56 19 00-0064	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,816.60	190.47
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-140.83*	
		For >100 To 250, Deduct	*-211.25*	
		For >250 To 500, Deduct	*-342.55*	
		For >500 To 1000, Deduct	*-473.86*	
		For >1000, Deduct	*-605.16*	
26 56 19 00-0065	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,710.20	199.54
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-185.51*	
		For >100 To 250, Deduct	*-278.27*	
		For >250 To 500, Deduct	*-453.80*	
		For >500 To 1000, Deduct	*-629.33*	
		For >1000, Deduct	*-804.86*	
26 56 19 00-0066	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,008.71	208.61
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-200.44*	
		For >100 To 250, Deduct	*-300.65*	
		For >250 To 500, Deduct	*-490.66*	
		For >500 To 1000, Deduct	*-680.66*	
		For >1000, Deduct	*-870.67*	
26 56 19 00-0067	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,307.24	217.68
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-215.36*	
		For >100 To 250, Deduct	*-323.04*	
		For >250 To 500, Deduct	*-527.52*	
		For >500 To 1000, Deduct	*-732.00*	
		For >1000, Deduct	*-936.48*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0068		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0047)*		
		Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0069	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	796.56	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.60*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.84*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-39.83*	
		For >100 To 250, Deduct	*-59.74*	
		For >250 To 500, Deduct	*-91.41*	
		For >500 To 1000, Deduct	*-123.07*	
		For >1000, Deduct	*-154.74*	
26 56 19 00-0070	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	796.56	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.60*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.84*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-39.83*	
		For >100 To 250, Deduct	*-59.74*	
		For >250 To 500, Deduct	*-91.41*	
		For >500 To 1000, Deduct	*-123.07*	
		For >1000, Deduct	*-154.74*	
26 56 19 00-0071	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	881.59	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.60*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.84*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-44.08*	
		For >100 To 250, Deduct	*-66.12*	
		For >250 To 500, Deduct	*-102.04*	
		For >500 To 1000, Deduct	*-137.95*	
		For >1000, Deduct	*-173.87*	
26 56 19 00-0072	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	881.59	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.60*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.84*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-44.08*	
		For >100 To 250, Deduct	*-66.12*	
		For >250 To 500, Deduct	*-102.04*	
		For >500 To 1000, Deduct	*-137.95*	
		For >1000, Deduct	*-173.87*	
26 56 19 00-0073	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,032.75	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.11*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.65*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-51.64*	
		For >100 To 250, Deduct	*-77.46*	
		For >250 To 500, Deduct	*-120.93*	
		For >500 To 1000, Deduct	*-164.41*	
		For >1000, Deduct	*-207.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0074	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,032.75	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.11*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.65*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-51.64*	
		For >100 To 250, Deduct	*-77.46*	
		For >250 To 500, Deduct	*-120.93*	
		For >500 To 1000, Deduct	*-164.41*	
		For >1000, Deduct	*-207.88*	
26 56 19 00-0075	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,174.48	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.11*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.65*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-58.72*	
		For >100 To 250, Deduct	*-88.09*	
		For >250 To 500, Deduct	*-138.65*	
		For >500 To 1000, Deduct	*-189.21*	
		For >1000, Deduct	*-239.77*	
26 56 19 00-0076	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,174.48	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.11*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.65*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-58.72*	
		For >100 To 250, Deduct	*-88.09*	
		For >250 To 500, Deduct	*-138.65*	
		For >500 To 1000, Deduct	*-189.21*	
		For >1000, Deduct	*-239.77*	
26 56 19 00-0077	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	645.39	163.26
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-32.27*	
		For >100 To 250, Deduct	*-48.40*	
		For >250 To 500, Deduct	*-72.51*	
		For >500 To 1000, Deduct	*-96.62*	
		For >1000, Deduct	*-120.72*	
26 56 19 00-0078	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	645.39	163.26
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-32.27*	
		For >100 To 250, Deduct	*-48.40*	
		For >250 To 500, Deduct	*-72.51*	
		For >500 To 1000, Deduct	*-96.62*	
		For >1000, Deduct	*-120.72*	
26 56 19 00-0079	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	680.82	163.26
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.04*	
		For >100 To 250, Deduct	*-51.06*	
		For >250 To 500, Deduct	*-76.94*	
		For >500 To 1000, Deduct	*-102.82*	
		For >1000, Deduct	*-128.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0080	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	680.82	163.26
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.04*	
		For >100 To 250, Deduct	*-51.06*	
		For >250 To 500, Deduct	*-76.94*	
		For >500 To 1000, Deduct	*-102.82*	
		For >1000, Deduct	*-128.70*	
26 56 19 00-0081	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	692.63	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.63*	
		For >100 To 250, Deduct	*-51.95*	
		For >250 To 500, Deduct	*-78.42*	
		For >500 To 1000, Deduct	*-104.88*	
		For >1000, Deduct	*-131.35*	
26 56 19 00-0082	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	692.63	163.26
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.63*	
		For >100 To 250, Deduct	*-51.95*	
		For >250 To 500, Deduct	*-78.42*	
		For >500 To 1000, Deduct	*-104.88*	
		For >1000, Deduct	*-131.35*	

26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0047)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0084	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	669.02	163.26
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.57*	
		For Bird Spikes, Add	*97.31*	
		For >50 To 100, Deduct	*-33.45*	
		For >100 To 250, Deduct	*-50.18*	
		For >250 To 500, Deduct	*-75.46*	
		For >500 To 1000, Deduct	*-100.75*	
		For >1000, Deduct	*-126.04*	
26 56 19 00-0085	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	669.02	163.26
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.57*	
		For Bird Spikes, Add	*97.31*	
		For >50 To 100, Deduct	*-33.45*	
		For >100 To 250, Deduct	*-50.18*	
		For >250 To 500, Deduct	*-75.46*	
		For >500 To 1000, Deduct	*-100.75*	
		For >1000, Deduct	*-126.04*	
26 56 19 00-0086	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	692.63	163.26
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.57*	
		For Bird Spikes, Add	*97.31*	
		For >50 To 100, Deduct	*-34.63*	
		For >100 To 250, Deduct	*-51.95*	
		For >250 To 500, Deduct	*-78.42*	
		For >500 To 1000, Deduct	*-104.88*	
		For >1000, Deduct	*-131.35*	
26 56 19 00-0087	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	692.63	163.26
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.57*	
		For Bird Spikes, Add	*97.31*	
		For >50 To 100, Deduct	*-34.63*	
		For >100 To 250, Deduct	*-51.95*	
		For >250 To 500, Deduct	*-78.42*	
		For >500 To 1000, Deduct	*-104.88*	
		For >1000, Deduct	*-131.35*	

26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0034)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0089		Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0088)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0090	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,028.43	163.26
		For >50 To 100, Deduct	*-51.42*	
		For >100 To 250, Deduct	*-77.13*	
		For >250 To 500, Deduct	*-120.39*	
		For >500 To 1000, Deduct	*-163.65*	
		For >1000, Deduct	*-206.91*	
26 56 19 00-0091	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,397.04	181.41
		For >50 To 100, Deduct	*-69.85*	
		For >100 To 250, Deduct	*-104.78*	
		For >250 To 500, Deduct	*-165.56*	
		For >500 To 1000, Deduct	*-226.34*	
		For >1000, Deduct	*-287.12*	
26 56 19 00-0092	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,497.44	208.61
		For >50 To 100, Deduct	*-74.87*	
		For >100 To 250, Deduct	*-112.31*	
		For >250 To 500, Deduct	*-176.75*	
		For >500 To 1000, Deduct	*-241.19*	
		For >1000, Deduct	*-305.63*	
26 56 19 00-0093	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,234.55	226.75
		For >50 To 100, Deduct	*-111.73*	
		For >100 To 250, Deduct	*-167.59*	
		For >250 To 500, Deduct	*-267.98*	
		For >500 To 1000, Deduct	*-368.37*	
		For >1000, Deduct	*-468.76*	
26 56 19 00-0094	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,933.80	258.14
		For >50 To 100, Deduct	*-146.69*	
		For >100 To 250, Deduct	*-220.04*	
		For >250 To 500, Deduct	*-353.82*	
		For >500 To 1000, Deduct	*-487.60*	
		For >1000, Deduct	*-621.38*	
26 56 19 00-0095		LED Roadway Lighting (PlanLED) *(26 56 19 00-0034)*		
26 56 19 00-0096		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0095)* Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0097	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,238.97	158.73
		For >50 To 100, Deduct	*-61.95*	
		For >100 To 250, Deduct	*-92.92*	
		For >250 To 500, Deduct	*-146.94*	
		For >500 To 1000, Deduct	*-200.95*	
		For >1000, Deduct	*-254.96*	
26 56 19 00-0098	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,348.62	160.47
		For >50 To 100, Deduct	*-67.43*	
		For >100 To 250, Deduct	*-101.15*	
		For >250 To 500, Deduct	*-160.55*	
		For >500 To 1000, Deduct	*-219.96*	
		For >1000, Deduct	*-279.37*	
26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,434.89	163.26
		For >50 To 100, Deduct	*-71.74*	
		For >100 To 250, Deduct	*-107.62*	
		For >250 To 500, Deduct	*-171.20*	
		For >500 To 1000, Deduct	*-234.78*	
		For >1000, Deduct	*-298.36*	
26 56 19 00-0100		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0095)* Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	813.00	154.89
		For >50 To 100, Deduct	*-40.65*	
		For >100 To 250, Deduct	*-60.98*	
		For >250 To 500, Deduct	*-93.88*	
		For >500 To 1000, Deduct	*-126.79*	
		For >1000, Deduct	*-159.69*	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	871.67	157.68
		For >50 To 100, Deduct	*-43.58*	
		For >100 To 250, Deduct	*-65.38*	
		For >250 To 500, Deduct	*-101.07*	
		For >500 To 1000, Deduct	*-136.77*	
		For >1000, Deduct	*-172.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	964.30	160.47
		For >50 To 100, Deduct	*-48.22*	
		For >100 To 250, Deduct	*-72.32*	
		For >250 To 500, Deduct	*-112.51*	
		For >500 To 1000, Deduct	*-152.71*	
		For >1000, Deduct	*-192.90*	
26 56 19 00-0104		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0095)*		
		Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,025.88	160.47
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For 480 Volt, Add	*91.72*	
		For >50 To 100, Deduct	*-51.29*	
		For >100 To 250, Deduct	*-76.94*	
		For >250 To 500, Deduct	*-120.21*	
		For >500 To 1000, Deduct	*-163.48*	
		For >1000, Deduct	*-206.75*	
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,139.08	161.87
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For 480 Volt, Add	*27.67*	
		For >50 To 100, Deduct	*-56.95*	
		For >100 To 250, Deduct	*-85.43*	
		For >250 To 500, Deduct	*-134.29*	
		For >500 To 1000, Deduct	*-183.15*	
		For >1000, Deduct	*-232.01*	
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,226.80	163.26
		For 0 To 10 Volt Dimming, Add	*91.72*	
		For 480 Volt, Add	*114.64*	
		For >50 To 100, Deduct	*-61.34*	
		For >100 To 250, Deduct	*-92.01*	
		For >250 To 500, Deduct	*-145.19*	
		For >500 To 1000, Deduct	*-198.36*	
		For >1000, Deduct	*-251.54*	
26 56 19 00-0108		LED Roadway Lighting (General Electric) *(26 56 19 00-0034)*		
26 56 19 00-0109		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0108)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0110	EA	2,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 AXBX 3 40 7 GRAY D) (DLC Certified)	983.43	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-49.17*	
		For >100 To 250, Deduct	*-73.76*	
		For >250 To 500, Deduct	*-113.86*	
		For >500 To 1000, Deduct	*-153.96*	
		For >1000, Deduct	*-194.06*	
26 56 19 00-0111	EA	2,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 2XBX 7 40 7 GRAY D) (DLC Certified)	959.05	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-47.95*	
		For >100 To 250, Deduct	*-71.93*	
		For >250 To 500, Deduct	*-110.81*	
		For >500 To 1000, Deduct	*-149.69*	
		For >1000, Deduct	*-188.58*	
26 56 19 00-0112	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXCX 5 40 7 GRAY D) (DLC Certified)	1,007.82	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-50.39*	
		For >100 To 250, Deduct	*-75.59*	
		For >250 To 500, Deduct	*-116.91*	
		For >500 To 1000, Deduct	*-158.23*	
		For >1000, Deduct	*-199.55*	
26 56 19 00-0113	EA	6,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 CXBX 7 40 7 GRAY D) (DLC Certified)	1,174.06	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-58.70*	
		For >100 To 250, Deduct	*-88.05*	
		For >250 To 500, Deduct	*-137.69*	
		For >500 To 1000, Deduct	*-187.32*	
		For >1000, Deduct	*-236.95*	
26 56 19 00-0114	EA	10,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 5 40 7 GRAY D) (DLC Certified)	1,420.09	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-71.00*	
		For >100 To 250, Deduct	*-106.51*	
		For >250 To 500, Deduct	*-168.44*	
		For >500 To 1000, Deduct	*-230.38*	
		For >1000, Deduct	*-292.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0115	EA	13,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 7 40 7 GRAY D) (DLC Certified)	1,420.09	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-71.00*	
		For >100 To 250, Deduct	*-106.51*	
		For >250 To 500, Deduct	*-168.44*	
		For >500 To 1000, Deduct	*-230.38*	
		For >1000, Deduct	*-292.31*	
26 56 19 00-0116	EA	20,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS4 0 TXCX 5 40 7 GRAY D) (DLC Certified)	2,468.52	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-123.43*	
		For >100 To 250, Deduct	*-185.14*	
		For >250 To 500, Deduct	*-299.50*	
		For >500 To 1000, Deduct	*-413.85*	
		For >1000, Deduct	*-528.21*	
26 56 19 00-0117	EA	2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 2XBX 7 40 7 GRAY D) (DLC Certified)	826.06	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-41.30*	
		For >100 To 250, Deduct	*-61.95*	
		For >250 To 500, Deduct	*-94.19*	
		For >500 To 1000, Deduct	*-126.42*	
		For >1000, Deduct	*-158.65*	
26 56 19 00-0118	EA	4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 AXCX 7 40 7 GRAY D) (DLC Certified)	874.82	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-43.74*	
		For >100 To 250, Deduct	*-65.61*	
		For >250 To 500, Deduct	*-100.28*	
		For >500 To 1000, Deduct	*-134.95*	
		For >1000, Deduct	*-169.62*	
26 56 19 00-0119	EA	7,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXBX 1 40 7 GRAY D) (DLC Certified)	1,018.90	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-50.95*	
		For >100 To 250, Deduct	*-76.42*	
		For >250 To 500, Deduct	*-118.29*	
		For >500 To 1000, Deduct	*-160.17*	
		For >1000, Deduct	*-202.04*	
26 56 19 00-0120	EA	11,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 DXCX 1 40 7 GRAY D) (DLC Certified)	1,298.18	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-64.91*	
		For >100 To 250, Deduct	*-97.36*	
		For >250 To 500, Deduct	*-153.20*	
		For >500 To 1000, Deduct	*-209.04*	
		For >1000, Deduct	*-264.88*	
26 56 19 00-0121	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 EXCX 1 40 7 GRAY D) (DLC Certified)	1,333.65	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-66.68*	
		For >100 To 250, Deduct	*-100.02*	
		For >250 To 500, Deduct	*-157.64*	
		For >500 To 1000, Deduct	*-215.25*	
		For >1000, Deduct	*-272.86*	
26 56 19 00-0122	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	618.50	154.19
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-30.93*	
		For >100 To 250, Deduct	*-46.39*	
		For >250 To 500, Deduct	*-69.60*	
		For >500 To 1000, Deduct	*-92.82*	
		For >1000, Deduct	*-116.03*	
26 56 19 00-0123	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	622.68	156.29
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-31.13*	
		For >100 To 250, Deduct	*-46.70*	
		For >250 To 500, Deduct	*-70.02*	
		For >500 To 1000, Deduct	*-93.34*	
		For >1000, Deduct	*-116.66*	
26 56 19 00-0124	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	649.02	158.73
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-32.45*	
		For >100 To 250, Deduct	*-48.68*	
		For >250 To 500, Deduct	*-73.19*	
		For >500 To 1000, Deduct	*-97.71*	
		For >1000, Deduct	*-122.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0125	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	675.91	160.47
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-33.80*	
		For >100 To 250, Deduct	*-50.69*	
		For >250 To 500, Deduct	*-76.47*	
		For >500 To 1000, Deduct	*-102.24*	
		For >1000, Deduct	*-128.01*	
26 56 19 00-0126	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	747.26	163.96
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-37.36*	
		For >100 To 250, Deduct	*-56.04*	
		For >250 To 500, Deduct	*-85.21*	
		For >500 To 1000, Deduct	*-114.37*	
		For >1000, Deduct	*-143.54*	
26 56 19 00-0127	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	785.15	165.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-39.26*	
		For >100 To 250, Deduct	*-58.89*	
		For >250 To 500, Deduct	*-89.88*	
		For >500 To 1000, Deduct	*-120.87*	
		For >1000, Deduct	*-151.86*	
26 56 19 00-0128	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	856.35	167.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-42.82*	
		For >100 To 250, Deduct	*-64.23*	
		For >250 To 500, Deduct	*-98.65*	
		For >500 To 1000, Deduct	*-133.08*	
		For >1000, Deduct	*-167.51*	
26 56 19 00-0129	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,007.81	172.33
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-50.39*	
		For >100 To 250, Deduct	*-75.59*	
		For >250 To 500, Deduct	*-117.36*	
		For >500 To 1000, Deduct	*-159.13*	
		For >1000, Deduct	*-200.91*	
26 56 19 00-0130	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,181.97	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-59.10*	
		For >100 To 250, Deduct	*-88.65*	
		For >250 To 500, Deduct	*-138.68*	
		For >500 To 1000, Deduct	*-188.70*	
		For >1000, Deduct	*-238.73*	

26 56 19 00-0131 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0034)*

26 56 19 00-0132 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0131)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0133	EA	4,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	883.38	158.73
		For >50 To 100, Deduct	*-44.17*	
		For >100 To 250, Deduct	*-66.25*	
		For >250 To 500, Deduct	*-102.49*	
		For >500 To 1000, Deduct	*-138.72*	
		For >1000, Deduct	*-174.95*	
26 56 19 00-0134	EA	9,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	1,095.60	158.73
		For >50 To 100, Deduct	*-54.78*	
		For >100 To 250, Deduct	*-82.17*	
		For >250 To 500, Deduct	*-129.01*	
		For >500 To 1000, Deduct	*-175.86*	
		For >1000, Deduct	*-222.70*	
26 56 19 00-0135	EA	12,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2)	1,152.58	158.73
		For >50 To 100, Deduct	*-57.63*	
		For >100 To 250, Deduct	*-86.44*	
		For >250 To 500, Deduct	*-136.14*	
		For >500 To 1000, Deduct	*-185.83*	
		For >1000, Deduct	*-235.52*	
26 56 19 00-0136	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,200.75	158.73
		For >50 To 100, Deduct	*-60.04*	
		For >100 To 250, Deduct	*-90.06*	
		For >250 To 500, Deduct	*-142.16*	
		For >500 To 1000, Deduct	*-194.26*	
		For >1000, Deduct	*-246.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,493.07	163.26
		For >50 To 100, Deduct	*-74.65*	
		For >100 To 250, Deduct	*-111.98*	
		For >250 To 500, Deduct	*-178.47*	
		For >500 To 1000, Deduct	*-244.96*	
		For >1000, Deduct	*-311.45*	
26 56 19 00-0138	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,085.56	167.79
		For >50 To 100, Deduct	*-104.28*	
		For >100 To 250, Deduct	*-156.42*	
		For >250 To 500, Deduct	*-252.31*	
		For >500 To 1000, Deduct	*-348.19*	
		For >1000, Deduct	*-444.08*	
26 56 19 00-0139	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,682.08	174.42
		For >50 To 100, Deduct	*-134.10*	
		For >100 To 250, Deduct	*-201.16*	
		For >250 To 500, Deduct	*-326.54*	
		For >500 To 1000, Deduct	*-451.92*	
		For >1000, Deduct	*-577.30*	
26 56 19 00-0140	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,265.16	179.31
		For >50 To 100, Deduct	*-163.26*	
		For >100 To 250, Deduct	*-244.89*	
		For >250 To 500, Deduct	*-399.18*	
		For >500 To 1000, Deduct	*-553.47*	
		For >1000, Deduct	*-707.76*	

26 56 19 00-0141 LED Roadway Lighting (Leotek) *(26 56 19 00-0034)*

26 56 19 00-0142 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0141)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0143	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	632.83	158.73
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-31.64*	
		For >100 To 250, Deduct	*-47.46*	
		For >250 To 500, Deduct	*-71.17*	
		For >500 To 1000, Deduct	*-94.87*	
		For >1000, Deduct	*-118.58*	
26 56 19 00-0144	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	646.56	160.47
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-32.33*	
		For >100 To 250, Deduct	*-48.49*	
		For >250 To 500, Deduct	*-72.80*	
		For >500 To 1000, Deduct	*-97.10*	
		For >1000, Deduct	*-121.41*	
26 56 19 00-0145	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	689.62	161.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-34.48*	
		For >100 To 250, Deduct	*-51.72*	
		For >250 To 500, Deduct	*-78.13*	
		For >500 To 1000, Deduct	*-104.53*	
		For >1000, Deduct	*-130.94*	
26 56 19 00-0146	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	800.47	167.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-40.02*	
		For >100 To 250, Deduct	*-60.04*	
		For >250 To 500, Deduct	*-91.67*	
		For >500 To 1000, Deduct	*-123.30*	
		For >1000, Deduct	*-154.94*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0147	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	936.52	172.33
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-46.83*	
		For >100 To 250, Deduct	*-70.24*	
		For >250 To 500, Deduct	*-108.45*	
		For >500 To 1000, Deduct	*-146.66*	
		For >1000, Deduct	*-184.87*	
26 56 19 00-0148	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	942.10	175.12
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-47.11*	
		For >100 To 250, Deduct	*-70.66*	
		For >250 To 500, Deduct	*-109.01*	
		For >500 To 1000, Deduct	*-147.36*	
		For >1000, Deduct	*-185.70*	
26 56 19 00-0149	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,154.52	177.91
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-57.73*	
		For >100 To 250, Deduct	*-86.59*	
		For >250 To 500, Deduct	*-135.42*	
		For >500 To 1000, Deduct	*-184.25*	
		For >1000, Deduct	*-233.08*	
26 56 19 00-0150	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,210.64	181.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-60.53*	
		For >100 To 250, Deduct	*-90.80*	
		For >250 To 500, Deduct	*-142.26*	
		For >500 To 1000, Deduct	*-193.72*	
		For >1000, Deduct	*-245.18*	
26 56 19 00-0151	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,351.38	184.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-67.57*	
		For >100 To 250, Deduct	*-101.35*	
		For >250 To 500, Deduct	*-159.71*	
		For >500 To 1000, Deduct	*-218.07*	
		For >1000, Deduct	*-276.43*	
26 56 19 00-0152	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,449.12	186.99
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-72.46*	
		For >100 To 250, Deduct	*-108.68*	
		For >250 To 500, Deduct	*-171.79*	
		For >500 To 1000, Deduct	*-234.90*	
		For >1000, Deduct	*-298.01*	
26 56 19 00-0153	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	732.57	160.47
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-36.63*	
		For >100 To 250, Deduct	*-54.94*	
		For >250 To 500, Deduct	*-83.55*	
		For >500 To 1000, Deduct	*-112.15*	
		For >1000, Deduct	*-140.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0154	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	804.43	164.66
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-40.22*	
		For >100 To 250, Deduct	*-60.33*	
		For >250 To 500, Deduct	*-92.32*	
		For >500 To 1000, Deduct	*-124.31*	
		For >1000, Deduct	*-156.30*	
26 56 19 00-0155	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	868.05	167.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-43.40*	
		For >100 To 250, Deduct	*-65.10*	
		For >250 To 500, Deduct	*-100.12*	
		For >500 To 1000, Deduct	*-135.13*	
		For >1000, Deduct	*-170.14*	
26 56 19 00-0156	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	922.83	171.63
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-46.14*	
		For >100 To 250, Deduct	*-69.21*	
		For >250 To 500, Deduct	*-106.77*	
		For >500 To 1000, Deduct	*-144.33*	
		For >1000, Deduct	*-181.89*	
26 56 19 00-0157	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	978.87	173.03
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-48.94*	
		For >100 To 250, Deduct	*-73.42*	
		For >250 To 500, Deduct	*-113.71*	
		For >500 To 1000, Deduct	*-154.00*	
		For >1000, Deduct	*-194.29*	
26 56 19 00-0158	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,165.50	179.31
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-58.28*	
		For >100 To 250, Deduct	*-87.41*	
		For >250 To 500, Deduct	*-136.72*	
		For >500 To 1000, Deduct	*-186.03*	
		For >1000, Deduct	*-235.34*	
26 56 19 00-0159	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,317.87	182.80
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-65.89*	
		For >100 To 250, Deduct	*-98.84*	
		For >250 To 500, Deduct	*-155.59*	
		For >500 To 1000, Deduct	*-212.35*	
		For >1000, Deduct	*-269.10*	
26 56 19 00-0160	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,401.19	183.49
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-70.06*	
		For >100 To 250, Deduct	*-105.09*	
		For >250 To 500, Deduct	*-165.97*	
		For >500 To 1000, Deduct	*-226.86*	
		For >1000, Deduct	*-287.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0161	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,481.14	185.59
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-74.06*	
		For >100 To 250, Deduct	*-111.09*	
		For >250 To 500, Deduct	*-175.86*	
		For >500 To 1000, Deduct	*-240.64*	
		For >1000, Deduct	*-305.42*	
26 56 19 00-0162	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	786.46	175.12
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-39.32*	
		For >100 To 250, Deduct	*-58.98*	
		For >250 To 500, Deduct	*-89.55*	
		For >500 To 1000, Deduct	*-120.12*	
		For >1000, Deduct	*-150.68*	
26 56 19 00-0163	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	851.37	176.86
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-42.57*	
		For >100 To 250, Deduct	*-63.85*	
		For >250 To 500, Deduct	*-97.58*	
		For >500 To 1000, Deduct	*-131.30*	
		For >1000, Deduct	*-165.03*	
26 56 19 00-0164	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	604.91	160.12
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-30.25*	
		For >100 To 250, Deduct	*-45.37*	
		For >250 To 500, Deduct	*-67.61*	
		For >500 To 1000, Deduct	*-89.85*	
		For >1000, Deduct	*-112.09*	
26 56 19 00-0165	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	615.89	161.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-30.79*	
		For >100 To 250, Deduct	*-46.19*	
		For >250 To 500, Deduct	*-68.91*	
		For >500 To 1000, Deduct	*-91.63*	
		For >1000, Deduct	*-114.35*	
26 56 19 00-0166	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	669.26	164.66
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-33.46*	
		For >100 To 250, Deduct	*-50.19*	
		For >250 To 500, Deduct	*-75.42*	
		For >500 To 1000, Deduct	*-100.66*	
		For >1000, Deduct	*-125.89*	
26 56 19 00-0167	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,029.60	177.91
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-51.48*	
		For >100 To 250, Deduct	*-77.22*	
		For >250 To 500, Deduct	*-119.80*	
		For >500 To 1000, Deduct	*-162.39*	
		For >1000, Deduct	*-204.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0168	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,343.85	183.49
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-67.19*	
		For >100 To 250, Deduct	*-100.79*	
		For >250 To 500, Deduct	*-158.81*	
		For >500 To 1000, Deduct	*-216.82*	
		For >1000, Deduct	*-274.84*	
26 56 19 00-0169	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,197.79	184.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-59.89*	
		For >100 To 250, Deduct	*-89.83*	
		For >250 To 500, Deduct	*-140.51*	
		For >500 To 1000, Deduct	*-191.19*	
		For >1000, Deduct	*-241.87*	
26 56 19 00-0170	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	581.03	160.47
		For Twist Lock Shorting Cap, Add	*9.75*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*29.26*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*52.35*	
		For >50 To 100, Deduct	*-29.05*	
		For >100 To 250, Deduct	*-43.58*	
		For >250 To 500, Deduct	*-64.61*	
		For >500 To 1000, Deduct	*-85.63*	
		For >1000, Deduct	*-106.66*	

26 56 19 00-0171 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0172 Pole Mount, LED Area Fixtures *(26 56 19 00-0171)*

26 56 19 00-0173 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0174	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,496.52	118.61
		For >50 To 100, Deduct	*-124.83*	
		For >100 To 250, Deduct	*-187.24*	
		For >250 To 500, Deduct	*-306.13*	
		For >500 To 1000, Deduct	*-425.03*	
		For >1000, Deduct	*-543.93*	
26 56 19 00-0175	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,691.22	125.58
		For >50 To 100, Deduct	*-134.56*	
		For >100 To 250, Deduct	*-201.84*	
		For >250 To 500, Deduct	*-330.12*	
		For >500 To 1000, Deduct	*-458.41*	
		For >1000, Deduct	*-586.69*	
26 56 19 00-0176	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,899.87	139.53
		For >50 To 100, Deduct	*-144.99*	
		For >100 To 250, Deduct	*-217.49*	
		For >250 To 500, Deduct	*-355.51*	
		For >500 To 1000, Deduct	*-493.52*	
		For >1000, Deduct	*-631.54*	
26 56 19 00-0177	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,913.82	146.52
		For >50 To 100, Deduct	*-145.69*	
		For >100 To 250, Deduct	*-218.54*	
		For >250 To 500, Deduct	*-356.90*	
		For >500 To 1000, Deduct	*-495.27*	
		For >1000, Deduct	*-633.63*	

26 56 19 00-0178 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

26 56 19 00-0179	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,418.45	125.58
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*44.62*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-70.92*	
		For >100 To 250, Deduct	*-106.38*	
		For >250 To 500, Deduct	*-171.03*	
		For >500 To 1000, Deduct	*-235.67*	
		For >1000, Deduct	*-300.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0180	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,712.79	132.56
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*45.32*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-85.64*	
		For >100 To 250, Deduct	*-128.46*	
		For >250 To 500, Deduct	*-207.47*	
		For >500 To 1000, Deduct	*-286.48*	
		For >1000, Deduct	*-365.49*	
26 56 19 00-0181	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,119.65	139.53
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*46.01*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-105.98*	
		For >100 To 250, Deduct	*-158.97*	
		For >250 To 500, Deduct	*-257.98*	
		For >500 To 1000, Deduct	*-356.98*	
		For >1000, Deduct	*-455.99*	
26 56 19 00-0182	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,413.98	146.52
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*46.71*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-120.70*	
		For >100 To 250, Deduct	*-181.05*	
		For >250 To 500, Deduct	*-294.42*	
		For >500 To 1000, Deduct	*-407.80*	
		For >1000, Deduct	*-521.17*	
26 56 19 00-0183	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,708.31	153.50
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*47.41*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-135.42*	
		For >100 To 250, Deduct	*-203.12*	
		For >250 To 500, Deduct	*-330.86*	
		For >500 To 1000, Deduct	*-458.60*	
		For >1000, Deduct	*-586.35*	
26 56 19 00-0184	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,092.28	160.47
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*48.11*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-154.61*	
		For >100 To 250, Deduct	*-231.92*	
		For >250 To 500, Deduct	*-378.51*	
		For >500 To 1000, Deduct	*-525.10*	
		For >1000, Deduct	*-671.69*	
26 56 19 00-0185	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,386.61	167.45
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*48.80*	
		For 480 Volt, Add	*107.78*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-169.33*	
		For >100 To 250, Deduct	*-254.00*	
		For >250 To 500, Deduct	*-414.95*	
		For >500 To 1000, Deduct	*-575.91*	
		For >1000, Deduct	*-736.87*	

26 56 19 00-0186 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0187	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,501.29	153.50
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*50.79*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.98*	
		For >50 To 100, Deduct	*-125.06*	
		For >100 To 250, Deduct	*-187.60*	
		For >250 To 500, Deduct	*-304.99*	
		For >500 To 1000, Deduct	*-422.38*	
		For >1000, Deduct	*-539.77*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0188	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,224.47	188.38
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Bird Spikes, Add	*75.54*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.96*	
		For 480 Volt, Add	*202.45*	
		For >50 To 100, Deduct	*-211.22*	
		For >100 To 250, Deduct	*-316.84*	
		For >250 To 500, Deduct	*-518.64*	
		For >500 To 1000, Deduct	*-720.44*	
		For >1000, Deduct	*-922.25*	

26 56 19 00-0189 Wall Mount, LED Area Fixtures *(26 56 19 00-0171)*

26 56 19 00-0190 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0189)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0191	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,106.60	118.61
		For >50 To 100, Deduct	*-55.33*	
		For >100 To 250, Deduct	*-83.00*	
		For >250 To 500, Deduct	*-132.39*	
		For >500 To 1000, Deduct	*-181.79*	
		For >1000, Deduct	*-231.19*	
26 56 19 00-0192	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,134.51	132.56
		For >50 To 100, Deduct	*-56.73*	
		For >100 To 250, Deduct	*-85.09*	
		For >250 To 500, Deduct	*-135.19*	
		For >500 To 1000, Deduct	*-185.28*	
		For >1000, Deduct	*-235.38*	

26 56 19 00-0193 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0171)*

26 56 19 00-0194 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0195	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,250.61	125.58
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-62.53*	
		For >100 To 250, Deduct	*-93.80*	
		For >250 To 500, Deduct	*-150.05*	
		For >500 To 1000, Deduct	*-206.30*	
		For >1000, Deduct	*-262.55*	
26 56 19 00-0196	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,544.95	132.56
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-77.25*	
		For >100 To 250, Deduct	*-115.87*	
		For >250 To 500, Deduct	*-186.49*	
		For >500 To 1000, Deduct	*-257.11*	
		For >1000, Deduct	*-327.73*	
26 56 19 00-0197	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,839.27	139.53
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-91.96*	
		For >100 To 250, Deduct	*-137.95*	
		For >250 To 500, Deduct	*-222.93*	
		For >500 To 1000, Deduct	*-307.92*	
		For >1000, Deduct	*-392.90*	
26 56 19 00-0198	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,133.60	146.52
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-106.68*	
		For >100 To 250, Deduct	*-160.02*	
		For >250 To 500, Deduct	*-259.37*	
		For >500 To 1000, Deduct	*-358.73*	
		For >1000, Deduct	*-458.08*	

26 56 19 00-0199 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0200	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,204.83	125.58
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-60.24*	
		For >100 To 250, Deduct	*-90.36*	
		For >250 To 500, Deduct	*-144.32*	
		For >500 To 1000, Deduct	*-198.29*	
		For >1000, Deduct	*-252.25*	
26 56 19 00-0201	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,331.32	132.56
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-66.57*	
		For >100 To 250, Deduct	*-99.85*	
		For >250 To 500, Deduct	*-159.79*	
		For >500 To 1000, Deduct	*-219.72*	
		For >1000, Deduct	*-279.66*	

26 56 19 00-0202 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0193)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0203	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,009.19	125.58
		For >50 To 100, Deduct	*-50.46*	
		For >100 To 250, Deduct	*-75.69*	
		For >250 To 500, Deduct	*-119.87*	
		For >500 To 1000, Deduct	*-164.05*	
		For >1000, Deduct	*-208.23*	

26 56 19 00-0204 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0205	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,003.54	132.56
		For >50 To 100, Deduct	*-100.18*	
		For >100 To 250, Deduct	*-150.27*	
		For >250 To 500, Deduct	*-243.81*	
		For >500 To 1000, Deduct	*-337.36*	
		For >1000, Deduct	*-430.91*	
26 56 19 00-0206	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,031.44	146.52
		For >50 To 100, Deduct	*-101.57*	
		For >100 To 250, Deduct	*-152.36*	
		For >250 To 500, Deduct	*-246.60*	
		For >500 To 1000, Deduct	*-340.85*	
		For >1000, Deduct	*-435.10*	

26 56 19 00-0207 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0171)*

26 56 19 00-0208 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0207)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0209	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,452.78	125.58
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-72.64*	
		For >100 To 250, Deduct	*-108.96*	
		For >250 To 500, Deduct	*-175.32*	
		For >500 To 1000, Deduct	*-241.68*	
		For >1000, Deduct	*-308.04*	
26 56 19 00-0210	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,747.12	132.56
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-87.36*	
		For >100 To 250, Deduct	*-131.03*	
		For >250 To 500, Deduct	*-211.76*	
		For >500 To 1000, Deduct	*-292.49*	
		For >1000, Deduct	*-373.22*	
26 56 19 00-0211	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,041.45	139.53
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-102.07*	
		For >100 To 250, Deduct	*-153.11*	
		For >250 To 500, Deduct	*-248.20*	
		For >500 To 1000, Deduct	*-343.30*	
		For >1000, Deduct	*-438.40*	
26 56 19 00-0212	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,335.78	146.52
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-116.79*	
		For >100 To 250, Deduct	*-175.18*	
		For >250 To 500, Deduct	*-284.65*	
		For >500 To 1000, Deduct	*-394.11*	
		For >1000, Deduct	*-503.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0213	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,630.11	153.50
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-131.51*	
		For >100 To 250, Deduct	*-197.26*	
		For >250 To 500, Deduct	*-321.09*	
		For >500 To 1000, Deduct	*-444.92*	
		For >1000, Deduct	*-568.75*	
26 56 19 00-0214	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,036.97	160.47
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-151.85*	
		For >100 To 250, Deduct	*-227.77*	
		For >250 To 500, Deduct	*-371.60*	
		For >500 To 1000, Deduct	*-515.42*	
		For >1000, Deduct	*-659.25*	
26 56 19 00-0215	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,331.30	167.45
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-166.57*	
		For >100 To 250, Deduct	*-249.85*	
		For >250 To 500, Deduct	*-408.04*	
		For >500 To 1000, Deduct	*-566.23*	
		For >1000, Deduct	*-724.43*	
26 56 19 00-0216	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,919.96	181.41
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-196.00*	
		For >100 To 250, Deduct	*-294.00*	
		For >250 To 500, Deduct	*-480.93*	
		For >500 To 1000, Deduct	*-667.85*	
		For >1000, Deduct	*-854.78*	
26 56 19 00-0217	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	4,494.66	188.38
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-224.73*	
		For >100 To 250, Deduct	*-337.10*	
		For >250 To 500, Deduct	*-552.41*	
		For >500 To 1000, Deduct	*-767.73*	
		For >1000, Deduct	*-983.04*	

26 56 19 00-0218 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0207)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0219	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	998.14	139.53
		For >50 To 100, Deduct	*-49.91*	
		For >100 To 250, Deduct	*-74.86*	
		For >250 To 500, Deduct	*-117.79*	
		For >500 To 1000, Deduct	*-160.72*	
		For >1000, Deduct	*-203.65*	

26 56 19 00-0220 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0171)*

26 56 19 00-0221 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0220)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0222	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,227.72	125.58
		For >50 To 100, Deduct	*-61.39*	
		For >100 To 250, Deduct	*-92.08*	
		For >250 To 500, Deduct	*-147.19*	
		For >500 To 1000, Deduct	*-202.29*	
		For >1000, Deduct	*-257.40*	
26 56 19 00-0223	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,354.21	132.56
		For >50 To 100, Deduct	*-67.71*	
		For >100 To 250, Deduct	*-101.57*	
		For >250 To 500, Deduct	*-162.65*	
		For >500 To 1000, Deduct	*-223.73*	
		For >1000, Deduct	*-284.81*	

26 56 19 00-0224 Surface Mount, LED Area Fixtures *(26 56 19 00-0171)*

26 56 19 00-0225 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0224)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0226	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	655.64	125.58
		For >50 To 100, Deduct	*-32.78*	
		For >100 To 250, Deduct	*-49.17*	
		For >250 To 500, Deduct	*-75.68*	
		For >500 To 1000, Deduct	*-102.18*	
		For >1000, Deduct	*-128.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0227	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,460.59	125.58
		For >50 To 100, Deduct	*-73.03*	
		For >100 To 250, Deduct	*-109.54*	
		For >250 To 500, Deduct	*-176.29*	
		For >500 To 1000, Deduct	*-243.04*	
		For >1000, Deduct	*-309.80*	
26 56 19 00-0228	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,214.91	139.53
		For >50 To 100, Deduct	*-60.75*	
		For >100 To 250, Deduct	*-91.12*	
		For >250 To 500, Deduct	*-144.89*	
		For >500 To 1000, Deduct	*-198.66*	
		For >1000, Deduct	*-252.42*	
26 56 19 00-0229	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,503.69	139.53
		For >50 To 100, Deduct	*-75.18*	
		For >100 To 250, Deduct	*-112.78*	
		For >250 To 500, Deduct	*-180.98*	
		For >500 To 1000, Deduct	*-249.19*	
		For >1000, Deduct	*-317.40*	

26 56 19 00-0230 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0224)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0231	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	211.21	44.87
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-10.56*	
		For >100 To 250, Deduct	*-15.84*	
		For >250 To 500, Deduct	*-24.53*	
		For >500 To 1000, Deduct	*-33.22*	
		For >1000, Deduct	*-41.91*	
26 56 19 00-0232	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	240.15	44.87
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-12.01*	
		For >100 To 250, Deduct	*-18.01*	
		For >250 To 500, Deduct	*-28.15*	
		For >500 To 1000, Deduct	*-38.29*	
		For >1000, Deduct	*-48.43*	
26 56 19 00-0233	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	295.27	44.87
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-14.76*	
		For >100 To 250, Deduct	*-22.15*	
		For >250 To 500, Deduct	*-35.04*	
		For >500 To 1000, Deduct	*-47.93*	
		For >1000, Deduct	*-60.83*	

26 56 19 00-0234 Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM) *(26 56 19 00-0224)*

Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.

26 56 19 00-0235	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM)	2,868.25	44.87
		For >50 To 100, Deduct	*-143.41*	
		For >100 To 250, Deduct	*-215.12*	
		For >250 To 500, Deduct	*-356.66*	
		For >500 To 1000, Deduct	*-498.20*	
		For >1000, Deduct	*-639.75*	

26 56 19 00-0236 Surface Mount, LED Facade Fixtures *(26 56 19 00-0171)*

26 56 19 00-0237 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0236)*

26 56 19 00-0238	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	761.27	52.38
		For >50 To 100, Deduct	*-38.06*	
		For >100 To 250, Deduct	*-57.10*	
		For >250 To 500, Deduct	*-93.17*	
		For >500 To 1000, Deduct	*-129.24*	
		For >1000, Deduct	*-165.31*	
26 56 19 00-0239	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,241.42	47.82
		For >50 To 100, Deduct	*-62.07*	
		For >100 To 250, Deduct	*-93.11*	
		For >250 To 500, Deduct	*-153.47*	
		For >500 To 1000, Deduct	*-213.83*	
		For >1000, Deduct	*-274.20*	
26 56 19 00-0240	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,585.91	39.85
		For >50 To 100, Deduct	*-79.30*	
		For >100 To 250, Deduct	*-118.94*	
		For >250 To 500, Deduct	*-196.82*	
		For >500 To 1000, Deduct	*-274.69*	
		For >1000, Deduct	*-352.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0241	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,930.37	31.88
		For >50 To 100, Deduct	*-96.52*	
		For >100 To 250, Deduct	*-144.78*	
		For >250 To 500, Deduct	*-240.16*	
		For >500 To 1000, Deduct	*-335.54*	
		For >1000, Deduct	*-430.92*	
26 56 19 00-0242		**Post Top, LED Area Fixtures** *(26 56 19 00-0171)*		
26 56 19 00-0243		**Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA)** *(26 56 19 00-0242)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0244	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,132.85	191.86
		For >50 To 100, Deduct	*-106.64*	
		For >100 To 250, Deduct	*-159.96*	
		For >250 To 500, Deduct	*-257.01*	
		For >500 To 1000, Deduct	*-354.06*	
		For >1000, Deduct	*-451.11*	
26 56 19 00-0245	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,356.03	191.86
		For >50 To 100, Deduct	*-117.80*	
		For >100 To 250, Deduct	*-176.70*	
		For >250 To 500, Deduct	*-284.91*	
		For >500 To 1000, Deduct	*-393.12*	
		For >1000, Deduct	*-501.33*	
26 56 19 00-0246	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,532.44	191.86
		For >50 To 100, Deduct	*-126.62*	
		For >100 To 250, Deduct	*-189.93*	
		For >250 To 500, Deduct	*-306.96*	
		For >500 To 1000, Deduct	*-423.99*	
		For >1000, Deduct	*-541.02*	
26 56 19 00-0247		**Post Top, LED Area Fixtures (General Electric EPAS)** *(26 56 19 00-0242)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0248	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,515.62	191.86
		For >50 To 100, Deduct	*-125.78*	
		For >100 To 250, Deduct	*-188.67*	
		For >250 To 500, Deduct	*-304.86*	
		For >500 To 1000, Deduct	*-421.05*	
		For >1000, Deduct	*-537.23*	
26 56 19 00-0249	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,572.97	191.86
		For >50 To 100, Deduct	*-128.65*	
		For >100 To 250, Deduct	*-192.97*	
		For >250 To 500, Deduct	*-312.03*	
		For >500 To 1000, Deduct	*-431.08*	
		For >1000, Deduct	*-550.14*	
26 56 19 00-0250		**Post Top, LED Area Fixtures (General Electric EPTC)** *(26 56 19 00-0242)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0251	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,739.27	191.86
		For >50 To 100, Deduct	*-86.96*	
		For >100 To 250, Deduct	*-130.45*	
		For >250 To 500, Deduct	*-207.82*	
		For >500 To 1000, Deduct	*-285.19*	
		For >1000, Deduct	*-362.56*	
26 56 19 00-0252	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,825.09	191.86
		For >50 To 100, Deduct	*-91.25*	
		For >100 To 250, Deduct	*-136.88*	
		For >250 To 500, Deduct	*-218.54*	
		For >500 To 1000, Deduct	*-300.20*	
		For >1000, Deduct	*-381.86*	
26 56 19 00-0253		**Post Top, LED Area Fixtures (General Electric EPST)** *(26 56 19 00-0242)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0254	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,349.19	191.86
		For >50 To 100, Deduct	*-67.46*	
		For >100 To 250, Deduct	*-101.19*	
		For >250 To 500, Deduct	*-159.06*	
		For >500 To 1000, Deduct	*-216.92*	
		For >1000, Deduct	*-274.79*	
26 56 19 00-0255	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,435.01	191.86
		For >50 To 100, Deduct	*-71.75*	
		For >100 To 250, Deduct	*-107.63*	
		For >250 To 500, Deduct	*-169.78*	
		For >500 To 1000, Deduct	*-231.94*	
		For >1000, Deduct	*-294.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0256		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0242)* Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0257	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,290.50	191.86
		For >50 To 100, Deduct	*-164.53*	
		For >100 To 250, Deduct	*-246.79*	
		For >250 To 500, Deduct	*-401.72*	
		For >500 To 1000, Deduct	*-556.65*	
		For >1000, Deduct	*-711.58*	
26 56 19 00-0258		LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0242)* Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0259	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	906.11	104.66
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-45.31*	
		For >100 To 250, Deduct	*-67.96*	
		For >250 To 500, Deduct	*-108.03*	
		For >500 To 1000, Deduct	*-148.10*	
		For >1000, Deduct	*-188.18*	
26 56 19 00-0260		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0242)* Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0261	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	571.15	22.33
		For Backlight Control Shield, Add	*44.62*	
		For >50 To 100, Deduct	*-28.56*	
		For >100 To 250, Deduct	*-42.84*	
		For >250 To 500, Deduct	*-69.16*	
		For >500 To 1000, Deduct	*-95.49*	
		For >1000, Deduct	*-121.81*	
26 56 19 00-0262		Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0171)*		
26 56 19 00-0263	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	525.95	41.67
		For >50 To 100, Deduct	*-26.30*	
		For >100 To 250, Deduct	*-39.45*	
		For >250 To 500, Deduct	*-64.18*	
		For >500 To 1000, Deduct	*-88.91*	
		For >1000, Deduct	*-113.64*	
26 56 21		**HID Exterior Lighting** *(26 56)*		
26 56 21 00-0001		High Mast Fixtures *(26 56 21)*		
26 56 21 00-0002		Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,984.20	172.74
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,120.67	172.74
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,102.44	197.33
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,184.32	197.33
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,209.16	246.67
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,291.04	246.67
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,050.16	172.74
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,132.04	172.74
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,480.77	182.60
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,541.45	197.33
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,689.11	246.67
26 56 21 00-0015		HID, Pole Mounted *(26 56 21)*		
26 56 21 00-0016		Metal Halide, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	687.82	281.66
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	772.19	305.74
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	897.06	328.89
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,144.37	385.46
26 56 21 00-0021		High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	845.99	328.89
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	871.50	328.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	911.85	328.89
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,019.01	328.89
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,176.30	328.89
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,105.30	328.89
26 56 21 00-0028		Low Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	704.64	178.92
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	775.86	263.11
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	908.27	263.11
26 56 21 00-0032		Metal Halide, Area Fixtures *(26 56 21)*		
26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures *(26 56 21 00-0032)*		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,157.21	174.34
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,269.89	191.78
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,404.54	209.22
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,484.16	244.09
26 56 21 00-0038		High Pressure Sodium, Area Fixtures *(26 56 21)*		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	961.68	139.48
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,045.35	174.34
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,132.72	209.22
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,192.88	244.09
26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21)*		
26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	649.18	263.11
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	736.45	296.00
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	877.39	328.89
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,126.08	385.46
26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	619.03	224.96
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	671.45	239.43
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	722.54	252.59
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	746.95	263.11
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	827.79	296.00
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	892.56	328.89
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,235.72	385.46
26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21)*		
26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	828.02	177.60
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	858.05	197.33
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	916.12	224.96
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	940.95	239.43
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	966.65	252.59
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,012.94	263.11
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,110.40	296.00
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,351.10	328.89
26 56 21 00-0068		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	911.34	197.33
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	961.33	224.96
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	993.69	239.43
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,035.64	252.59
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,058.22	263.11
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,158.02	296.00
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,477.58	328.89

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0076		**Wall Packs** *(26 56 21)*		
26 56 21 00-0077		**Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	370.55	62.31
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	397.52	62.31
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	397.52	62.31
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	528.30	62.31
26 56 21 00-0082		**Semi Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	739.40	62.31
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	749.10	62.31
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	757.49	62.31
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	742.19	62.31
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	679.25	62.31
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	644.68	62.31
26 56 21 00-0089		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	779.22	62.31
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	788.06	62.31
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	772.78	62.31
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	785.08	62.31
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	785.08	62.31
26 56 21 00-0095		**Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	739.85	83.00
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	739.85	83.00
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	692.48	83.00
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	710.63	83.00
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	710.63	83.00
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	658.12	83.00
26 56 21 00-0102		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	767.91	83.00
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	767.91	83.00
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	767.91	83.00
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.05	83.00
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.05	83.00
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.05	83.00
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	994.62	83.00
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	932.49	102.82
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	996.70	102.82
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,073.26	102.82
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,094.33	102.82
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,015.08	102.82
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,087.23	102.82
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	934.24	124.63
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	857.82	124.63
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	916.55	124.63
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	922.40	124.63
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	928.53	124.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0125		Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	934.26	124.63
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	959.76	124.63
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,036.17	124.63
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	985.24	124.63
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,010.74	124.63
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,061.63	124.63
26 56 21 00-0132		Semi Cutoff, Induction Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0133		Semi Cutoff, Induction Wall Packs (Everlast®) *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,213.43	118.61
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,238.25	125.58
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,263.09	132.56
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,407.56	139.53
26 56 21 00-0138		Non-Cutoff, Polycarbonate Lens, Small Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	382.42	62.31
26 56 21 00-0140		Induction, Roadway Lighting *(26 56 21)*		
26 56 21 00-0141		Induction Roadway Lighting (US Lighting Tech) *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	670.35	209.31
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	733.68	216.28
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	761.59	230.24
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	789.49	244.19
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	916.98	251.17
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	934.88	258.14
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	628.89	209.31
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	698.14	216.28
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	726.05	230.24
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	753.95	244.19
26 56 21 00-0152		Induction, Area Fixtures *(26 56 21)*		
26 56 21 00-0153		Post Top, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0154		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	740.12	191.86
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	797.38	191.86
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	797.38	191.86
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	797.38	191.86
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	672.70	174.42
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	713.24	177.91
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	724.16	181.41
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	735.09	184.89
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	746.01	188.38
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	760.90	191.86
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	781.42	181.41
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	792.35	184.89
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	803.27	188.38
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	834.94	191.86
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,267.81	118.61
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,303.51	125.58
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,339.23	132.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,053.86	127.58
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,347.49	170.14
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,134.05	255.14
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	12.74	1.88
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	83.58	33.71
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	187.31	33.71
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	201.79	33.71
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	382.55	33.71
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	76.18	6.24
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	26.64	6.24
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	28.39	6.24
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	31.62	6.24

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	9.76	3.12
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
		For Painted Powder Coated Finish, Add	*0.72*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	10.31	3.12
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.28*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
		For Painted Powder Coated Finish, Add	*2.51*	
		For Low Friction Xylan® Coated Finish, Add	*8.94*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	11.15	3.12
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
		For Painted Powder Coated Finish, Add	*3.08*	
		For Low Friction Xylan® Coated Finish, Add	*11.11*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	18.46	3.12
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.09*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
		For Painted Powder Coated Finish, Add	*1.64*	
		For Low Friction Xylan® Coated Finish, Add	*9.84*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	11.05	3.12
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.35*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	14.33	3.12
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.68*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	15.93	3.12
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.84*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	21.67	3.12
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-3.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.66*	
		For Work In Restricted Working Space, Add	*1.87*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	11.66	3.12
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-2.41*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	13.85	3.12
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	14.99	3.12
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.75*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	20.40	3.12
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.29*	
		For Work In Restricted Working Space, Add	*1.87*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	14.06	3.12
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	17.77	3.12
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-3.03*	
		For Work In Restricted Working Space, Add	*1.87*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020		EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	18.74	3.12
			For >50 To 100, Deduct	*-0.62*	
			For >100 To 250, Deduct	*-1.25*	
			For >250 To 500, Deduct	*-2.19*	
			For >500, Deduct	*-3.12*	
			For Work In Restricted Working Space, Add	*1.87*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0376 for threaded rod.

27 05 29 00-0022		EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	11.36	3.12
			For >50 To 100, Deduct	*-0.44*	
			For >100 To 250, Deduct	*-0.88*	
			For >250 To 500, Deduct	*-1.63*	
			For >500, Deduct	*-2.38*	
			For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0023		EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	11.87	3.12
			For >50 To 100, Deduct	*-0.45*	
			For >100 To 250, Deduct	*-0.91*	
			For >250 To 500, Deduct	*-1.67*	
			For >500, Deduct	*-2.44*	
			For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0024		EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	14.44	3.12
			For >50 To 100, Deduct	*-0.52*	
			For >100 To 250, Deduct	*-1.03*	
			For >250 To 500, Deduct	*-1.86*	
			For >500, Deduct	*-2.69*	
			For Work In Restricted Working Space, Add	*1.87*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0376 for threaded rod, nuts and washers.

27 05 29 00-0026		EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	14.14	3.12
			For >50 To 100, Deduct	*-0.51*	
			For >100 To 250, Deduct	*-1.02*	
			For >250 To 500, Deduct	*-1.84*	
			For >500, Deduct	*-2.66*	
			For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0027		EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	15.34	3.12
			For >50 To 100, Deduct	*-0.54*	
			For >100 To 250, Deduct	*-1.08*	
			For >250 To 500, Deduct	*-1.93*	
			For >500, Deduct	*-2.78*	
			For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0028		EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	21.33	3.12
			For >50 To 100, Deduct	*-0.69*	
			For >100 To 250, Deduct	*-1.38*	
			For >250 To 500, Deduct	*-2.38*	
			For >500, Deduct	*-3.38*	
			For Work In Restricted Working Space, Add	*1.87*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030		EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	13.97	3.12
			For >50 To 100, Deduct	*-0.51*	
			For >100 To 250, Deduct	*-1.01*	
			For >250 To 500, Deduct	*-1.83*	
			For >500, Deduct	*-2.65*	
			For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0031		EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	16.12	3.12
			For >50 To 100, Deduct	*-0.56*	
			For >100 To 250, Deduct	*-1.12*	
			For >250 To 500, Deduct	*-1.99*	
			For >500, Deduct	*-2.86*	
			For Work In Restricted Working Space, Add	*1.87*	
27 05 29 00-0032		EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	17.26	3.12
			For >50 To 100, Deduct	*-0.59*	
			For >100 To 250, Deduct	*-1.18*	
			For >250 To 500, Deduct	*-2.07*	
			For >500, Deduct	*-2.97*	
			For Work In Restricted Working Space, Add	*1.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	23.50	3.12
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.60*	
		For Work In Restricted Working Space, Add	*1.87*	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	39.92	4.11
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.55*	
		For >500, Deduct	*-6.49*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*3.22*	
		For Work In Restricted Working Space, Add	*3.74*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	40.73	4.11
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.61*	
		For >500, Deduct	*-6.57*	
		For Work In Restricted Working Space, Add	*3.74*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	44.91	4.11
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-4.93*	
		For >500, Deduct	*-6.99*	
		For Work In Restricted Working Space, Add	*3.74*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	39.79	4.11
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.54*	
		For >500, Deduct	*-6.47*	
		For Work In Restricted Working Space, Add	*3.74*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.73	4.11
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.69*	
		For >500, Deduct	*-6.67*	
		For Work In Restricted Working Space, Add	*3.74*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.64	4.11
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.81*	
		For >250 To 500, Deduct	*-4.83*	
		For >500, Deduct	*-6.86*	
		For Work In Restricted Working Space, Add	*3.74*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.08	4.11
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.64*	
		For >500, Deduct	*-6.60*	
		For Work In Restricted Working Space, Add	*3.74*	

27 05 33 Conduits and Backboxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16		**Communications Cabinets, Racks, Frames, and Enclosures** *(27 11)*		
27 11 16 00-0001		3/4" Fire Retardant Plywood Backboards *(27 11 16)*		
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	104.66	32.40
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*50.47*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	209.32	64.81
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*100.94*	
27 11 16 00-0004		Terminal Cabinets *(27 11 16)*		
27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	390.68	93.47
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	496.70	102.82
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	571.52	118.39
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	593.37	121.51
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	730.62	124.63
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	907.45	140.20
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	930.31	137.09
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,191.48	195.29
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,273.41	214.61
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,545.12	226.70
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,276.23	186.94
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,380.15	202.52
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,719.18	259.60
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,061.73	324.53
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,347.67	320.92
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,692.07	390.46
27 11 16 00-0021		Equipment Racks And Cable Managers *(27 11 16)*		
27 11 16 00-0022		Equipment Racks *(27 11 16 00-0021)*		
		Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023		Standard Equipment Racks *(27 11 16 00-0022)*		
27 11 16 00-0024		19" Width, Standard Equipment Racks *(27 11 16 00-0023)*		
27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	601.19	199.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*10.12*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	823.09	211.87
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.97*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	888.34	224.33
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.98*	
27 11 16 00-0028		Universal Equipment Racks *(27 11 16 00-0022)*		
27 11 16 00-0029		Universal Equipment Racks *(27 11 16 00-0028)*		
27 11 16 00-0030		19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*		
27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	767.46	174.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.93*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	836.38	177.59
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.06*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	835.88	180.71
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.72*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	857.08	183.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.47*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	878.06	186.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.21*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	900.74	190.06
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.03*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	772.83	193.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.32*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	944.82	196.29
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.61*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	977.61	199.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.94*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	1,006.30	202.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.06*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	1,013.67	205.63
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.12*	
27 11 16 00-0042		23" Width, Universal Equipment Racks *(27 11 16 00-0029)*		
27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	810.40	174.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.07*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	837.98	177.59
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.14*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	862.32	180.71
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.05*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	907.38	183.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	929.84	186.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.80*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	954.24	190.06
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.71*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	826.94	193.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.03*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	1,001.59	196.29
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.45*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	1,037.07	199.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.91*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	1,068.11	202.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.15*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	1,075.57	205.63
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.22*	
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	1,002.64	186.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.44*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	1,055.22	193.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.44*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	809.32	174.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.02*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	873.01	177.59
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.89*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	886.46	180.71
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.25*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	906.06	183.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.92*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	928.47	186.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.73*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	952.80	190.06
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.63*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	976.17	193.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.49*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	1,000.07	196.29
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.38*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	1,035.51	199.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.84*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	1,066.47	202.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.07*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	1,073.86	205.63
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.13*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	856.60	174.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.38*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	937.13	177.59
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.10*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	949.22	180.71
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.39*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	961.34	183.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.68*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	985.43	186.94
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.58*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	1,011.65	190.06
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.58*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	1,036.76	193.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*32.52*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	1,062.47	196.29
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.50*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,100.88	199.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*35.10*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,134.42	202.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*36.47*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,142.10	205.63
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*36.54*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,628.88	311.57
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*50.29*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,775.86	324.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*56.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,914.62	336.49
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*62.08*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,678.11	311.57
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*52.50*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0091		**Single-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	93.37	12.47
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	103.75	12.47
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	78.27	12.47
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	94.93	12.47
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	111.00	12.47
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	86.48	12.47
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	127.31	12.47
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	144.65	12.47
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	102.89	12.47
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	115.49	12.47
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	129.18	12.47
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	121.42	12.47
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	141.02	12.47
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	156.55	12.47
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	175.08	12.47
27 11 16 00-0108		**Vertical Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0109		**Single-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	207.70	18.69
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	291.82	18.69
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	468.29	18.69
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	529.84	18.69
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	222.06	18.69
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	314.39	18.69
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	509.32	18.69
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	570.88	18.69
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	250.79	18.69
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	345.17	18.69
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	570.88	18.69
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	632.44	18.69
27 11 16 00-0122		**Double-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	300.03	18.69
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	353.38	18.69
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	570.88	18.69
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	673.47	18.69
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	324.65	18.69
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	378.00	18.69
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	611.92	18.69
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	714.51	18.69
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	357.48	18.69
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	410.83	18.69
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	673.47	18.69
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	776.07	18.69
27 11 16 00-0135		**Accessories For Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	127.51	12.47
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	135.72	12.47
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	143.93	12.47
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	131.62	12.47
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	143.93	12.47
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	156.24	12.47
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	148.03	12.47
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	160.34	12.47
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	172.66	12.47
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	156.24	12.47
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	172.66	12.47
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	184.97	12.47
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	107.00	12.47
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	123.41	12.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	128.95	12.47
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	82.37	12.47
27 11 16 00-0152		Cisco Switch Catalyst WS *(27 11 16)*		
27 11 16 00-0153	EA	10-Slot, Switch Chassis WS 4510R+E	15,129.04	
27 11 16 00-0154	EA	Supervisor Engine WS-X45-SUP8-E	28,903.12	
27 11 16 00-0155	EA	Service Module WS-X4748-RJ45-E Note: CATALYST 4500 E-SERIES 48-PORT 10/100/1000 NON-BLOCKING	10,298.68	
27 11 16 00-0156	EA	SFP Line Card WS-X4712-SFP-E Note: CATALYST 4500 E-SERIES 12-PORT 10GBE (SFP+)	8,827.51	
27 11 16 00-0157	EA	Power Supply PWR-45-1400A	2,230.81	
27 11 16 00-0158	EA	Single Mode SFP Module GLC-LH-SMD Note: 1000BASE-LX/LH SFP TRANSCEIVER MODULE, MMF/SMF, 1310NM, DOM	1,627.61	

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	305.83	62.31
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	460.43	62.31
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	606.72	62.31
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	743.03	62.31
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	829.56	77.89
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,377.20	93.47
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	380.14	62.31
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	470.40	62.31
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	816.18	62.31
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,516.84	93.47
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	777.99	93.47
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	817.96	93.47
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	320.37	62.31
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	44.15	
		For >5 To 10 Cables, Deduct	*-7.95*	
		For >10 Cables, Deduct	*-17.66*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	12.14	
		For >20 To 40 Pairs, Deduct	*-1.94*	
		For >40 Pairs, Deduct	*-4.61*	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*

27 11 19 00-0019 Fiber Optic Cable Connector Housings *(27 11 19 00-0018)*

27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	167.09	28.04
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	253.49	28.04
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	381.31	28.04
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	561.05	46.73
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	788.63	46.73

27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	584.39	46.73
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	671.15	46.73
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	724.22	46.73
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	852.46	46.73

27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	733.09	46.73
		For Splice Tray Bracket, Add	*80.33*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	862.16	46.73
		For Splice Tray Bracket, Add	*87.84*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	1,079.68	46.73
		For Splice Tray Bracket, Add	*320.02*	

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	936.14	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,202.45	46.73
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,363.88	46.73
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,775.60	46.73
27 11 19 00-0040		Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0019)*		
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	841.07	28.04
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,160.10	46.73
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,218.37	46.73
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Environmental Connector Housings *(27 11 19 00-0019)*		
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	881.34	28.04
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,159.39	46.73
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,365.55	46.73
27 11 19 00-0048		Fiber Optic Cable Connector Panels *(27 11 19 00-0018)*		
27 11 19 00-0049		SC Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	114.77	6.23
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	124.78	6.23
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	140.30	6.23
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	153.63	6.23
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	191.39	6.23
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	211.33	6.23
27 11 19 00-0056		SC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	110.35	6.23
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	112.70	6.23
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	134.44	6.23
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	137.56	6.23
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	182.60	6.23
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	187.25	6.23
27 11 19 00-0063		LC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	119.38	6.23
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	131.16	6.23
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	146.43	6.23
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	162.15	6.23
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	200.60	6.23
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	224.14	6.23
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	254.75	6.23
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	286.13	6.23
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	363.02	6.23
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	373.96	6.23
27 11 19 00-0074		ST Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	94.97	6.23
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	102.54	6.23
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	113.91	6.23
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	124.00	6.23
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	151.76	6.23
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	166.92	6.23
27 11 19 00-0081		MT-RJ, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	118.67	6.23
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	178.84	6.23
27 11 19 00-0084		Fiber Optic Cable Pretium Edge® Modules *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,041.96	6.23
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,045.59	6.23
27 11 19 00-0087		Fiber Optic Cable Splice Housings *(27 11 19 00-0018)*		
27 11 19 00-0088		Wall Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	392.83	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	607.22	46.73
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	616.65	46.73
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	113.23	15.57
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	213.38	46.73
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	79.80	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	107.12	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	116.40	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	129.46	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	532.25	62.31
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	36.77	12.49
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	70.21	12.49
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	56.53	12.49
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	28.33	12.49
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	20.08	8.74
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	38.22	12.49
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	28.33	12.49
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	19.87	8.74
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	19.72	8.74
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	20.38	8.74
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	19.44	6.24
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	25.08	6.24
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	35.00	6.24
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	24.89	7.49
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	34.27	7.49
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	49.75	7.49
27 11 19 00-0122		**Outlet Termination Hardware** *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	37.56	6.24
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box	104.78	47.36
		Note: Excludes box.		
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	92.34	28.04
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	92.34	28.04
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	54.01	18.69
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	139.36	31.16
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	139.36	31.16
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	168.06	31.16
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	168.06	31.16
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	152.96	31.16
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,326.78	155.78
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V	65.21	12.47
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block	3.90	1.24
27 11 19 00-0136	EA	4-Pair, Connecting Block	4.22	1.24
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	15.82	3.12
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	4.29	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	4.29	
27 11 19 00-0140		**Terminations in Manhole or Junction Box** *(27 11 19 00-0103)*		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	199.41	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	398.81	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	797.61	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,196.42	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,399.57	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,098.73	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,639.60	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	3,300.13	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	4,950.17	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	6,003.25	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	6,842.10	

27 11 23 Communications Cable Management and Ladder Rack *(27 11)*

27 11 23 00-0001 Equipment Supports *(27 11 23)*

27 11 23 00-0002	EA	12" x 5'-11" Tubular Runway	125.39	29.91
27 11 23 00-0003	EA	12" x 9'-11" Tubular Runway	216.14	49.85
27 11 23 00-0004	EA	Shelf Bracket Support For Tubular Runway	39.68	9.35
27 11 23 00-0005	EA	Straight Clamp Hardware For Tubular Runway	16.81	6.23
27 11 23 00-0006	EA	Corner Clamp Hardware For Tubular Runway	17.88	6.23
27 11 23 00-0007	EA	90 Degree Edge Clamp Hardware For Tubular Runway	41.26	11.21
27 11 23 00-0008	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	88.27	18.69
27 11 23 00-0009	EA	J-Bolt Hardware For Tubular Runway	7.96	2.75
27 11 23 00-0010	EA	T Bracket Hardware For Tubular Runway	45.09	15.57
27 11 23 00-0011	EA	Black Neoprene Protective Cover For Cable Tray Stringers (Cooper B-Line SB21B)	67.80	3.12
27 11 23 00-0012	EA	3" Channel Rack-To-Cable Tray Mounting Plate For 9" To 12" Wide Cable Tray (Chatsworth 10595-712)	128.48	31.21
27 11 23 00-0013	EA	19" Wide, 11.73" Deep, Double Sided, Horizontal Wire Manager (Chatsworth 30530-719)	169.32	12.49
27 11 23 00-0014	EA	7' High, 10" Wide, 16.15" Deep, Double Sided, Vertical Wire Manager (Chatsworth 30096-703)	1,548.87	18.72
27 11 23 00-0015	EA	7' High, 10" Wide, 8.08" Deep, Vertical Wire Manager (Chatsworth 30093-703)	1,090.53	18.72
27 11 23 00-0016	EA	7' High, 19" Wide, 45U Standard EIA Rack (Chatsworth 55053-703)	449.57	124.83
27 11 23 00-0017	EA	Rack Base Dust Cover For 19" Wide, 3" Deep Two Post Racks (Chatsworth 41050-719)	66.04	1.24
27 11 23 00-0018	EA	Environmental Enclosure, NEMA 4x SS, 6' Free Standing	30,385.38	982.03
27 11 23 00-0019	EA	DVR Enclosure	2,135.73	245.48
27 11 23 00-0020	EA	Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	7,893.60	490.97
27 11 23 00-0021	EA	Panel, NEMA 12/27.00x21.00	569.58	122.74
27 11 23 00-0022	EA	Panel, NEMA 12/8.75x6.88	154.31	122.74
27 11 23 00-0023	EA	Clamp Assembly, Fast Opening, Stainless Steel Type 304	204.84	122.74
27 11 23 00-0024	EA	Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	7,034.40	122.74
27 11 23 00-0025	EA	110 Jumper Trough (Commscope 107831133)	36.33	6.23
27 11 23 00-0026	EA	2" J-Hook, Cable Or Rod Attachment (Cooper B-Line BCH32-W6)	14.40	3.12
27 11 23 00-0027	EA	4" J-Hook, Screw Attachment (Cooper B-Line BCH64)	18.38	3.12
27 11 23 00-0028	EA	Stringer Multi-Function Clip (Cooper B-Line BW6S)	7.98	3.12
27 11 23 00-0029	LF	Velcro CMP	3.01	1.24

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001 Building Entrance Terminals *(27 13 13 13)*

27 13 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,949.06	273.27
27 13 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,896.49	455.45
27 13 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,477.54	729.29

27 13 13 13-0005 Modular Plugs For Copper Communications Cable *(27 13 13 13)*

27 13 13 13-0006	EA	Modular Plug For Non Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	30.51	
		For >5 To 10, Deduct	*-3.73*	
		For >10, Deduct	*-7.46*	
27 13 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	34.82	
		For >5 To 10, Deduct	*-4.20*	
		For >10, Deduct	*-8.39*	

27 13 13 13-0008 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	6.23	
		For >25-Pair, Deduct	*-2.49*	
27 13 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable	9.35	
		For >25-Pair, Deduct	*-3.73*	
27 13 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable	14.95	
		For >25-Pair, Deduct	*-5.97*	
27 13 13 13-0012	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	24.92	
		For >25-Pair, Deduct	*-9.95*	
27 13 13 13-0013	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	37.39	
		For >25-Pair, Deduct	*-14.92*	
27 13 13 13-0014	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	59.82	
		For >25-Pair, Deduct	*-23.88*	

27 13 13 13-0015 Communications Termination Blocks *(27 13 13 13)*

27 13 13 13-0016	EA	100-Pair, 110 Block With Legs	62.31	15.57
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs	107.61	15.57
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block	13.35	6.23
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block	7.60	3.12
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block	7.77	3.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	349.53	18.69
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	657.98	18.69

27 13 23 Communications Optical Fiber Backbone Cabling *(27 13)*

27 13 23 13 Communications Optical Fiber Splicing and Terminations *(27 13 23)*

27 13 23 13-0001 Fiber Optic Cable Connectors *(27 13 23 13)*

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	35.77
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	41.17
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	39.77
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	46.65
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	54.29
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	55.89
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	80.75

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits *(27 13 23 13)*

27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	272.72
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	277.20
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	315.06
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	343.45

27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.

27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	327.94
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	358.02
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	521.97
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	676.67

27 13 23 13-0020 Fiber Optic Cable Splice Closures *(27 13 23 13)*

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	987.87	124.63
27 13 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,237.12	249.26
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,237.12	249.26
27 13 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,656.19	124.63
27 13 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,905.44	249.26
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,905.44	249.26
27 13 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	68.39	15.57

27 13 23 13-0028 Fiber Optic Cable Testing *(27 13 23 13)*

Note: Price based on testing one wavelength.

27 13 23 13-0029 Fiber Optic Cable Testing Using An OTDR *(27 13 23 13-0028)*

Note: Testing using an optical time domain reflectometer.

27 13 23 13-0030	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	24.92
		For >12 To 48 Strands, Deduct	*-1.87*
		For >48 Strands, Deduct	*-2.49*
27 13 23 13-0031	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	37.39
		For >12 To 48 Strands, Deduct	*-2.80*
		For >48 Strands, Deduct	*-3.74*
27 13 23 13-0032	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	62.31
		For >12 To 48 Strands, Deduct	*-4.67*
		For >48 Strands, Deduct	*-6.23*
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	93.47
		For >12 To 48 Strands, Deduct	*-7.01*
		For >48 Strands, Deduct	*-9.35*

27 13 23 13-0034 Fiber Optic Cable Testing Using A Power Meter *(27 13 23 13-0028)*

27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	24.92
		For >12 To 48 Strands, Deduct	*-1.87*
		For >48 Strands, Deduct	*-2.49*
27 13 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	37.39
		For >12 To 48 Strands, Deduct	*-2.80*
		For >48 Strands, Deduct	*-3.74*

27 13 23 13-0037 Fiber Optic Cable Light Source/Continuity Testing *(27 13 23 13-0028)*

27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	24.92
		For >12 To 48 Strands, Deduct	*-1.87*
		For >48 Strands, Deduct	*-2.49*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0039		Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0040	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	37.39	
27 13 23 13-0041	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	124.63	
27 13 23 13-0042		Other Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0043	EA	Fiber Optic Finger Splice	43.92	23.43
27 13 23 13-0044	EA	Fiber Optic Splice Box - Manholes	7,158.79	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001		Fire Alarm/Life Safety Cable *(27 15 01 19)*		
27 15 01 19-0002		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0003		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*		
27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,984.03	847.96
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,413.56	878.62
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,261.92	963.87
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,944.63	998.27
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,594.72	1,079.02
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,565.67	1,117.90
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,303.03	1,233.81
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,809.31	1,277.81
27 15 01 19-0012		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,397.30	1,696.18
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,877.94	1,757.25
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,868.38	1,927.98
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,608.40	1,996.53
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,393.09	2,158.55
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,428.85	2,235.82
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,359.38	2,467.62
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,939.20	2,556.11

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0021		Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*			
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,280.70	693.92
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,380.48	718.60
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,558.56	847.96
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,656.53	863.30
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,716.73	878.62
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,908.50	909.28
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,181.80	939.94
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,814.76	963.87
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,028.90	998.27
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,096.94	1,079.02
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,429.33	1,117.90
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,547.47	1,233.81
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		3,080.92	1,277.81
27 15 01 19-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*			
27 15 01 19-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*			
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,270.93	693.92
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,552.22	847.96
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,717.88	863.30
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,733.71	878.62
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,997.16	909.28
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		1,805.17	963.87
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,050.42	998.27
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,053.77	1,079.02
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,600.91	1,117.90
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		2,533.36	1,233.81
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit		3,341.40	1,277.81
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*			
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		2,427.46	1,388.35
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		2,965.49	1,696.18
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		3,156.09	1,726.09
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		3,198.09	1,757.25
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		3,512.63	1,818.32
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		3,411.63	1,927.98
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		3,714.19	1,996.53
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		3,852.14	2,158.55
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		4,464.09	2,235.82
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed		4,589.71	2,467.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,471.29	2,556.11
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,311.15	693.92
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,580.94	847.96
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,824.50	863.30
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,763.11	878.62
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,027.22	909.28
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,871.18	963.87
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,080.95	998.27
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,196.14	1,079.02
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,529.52	1,117.90
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,638.72	1,233.81
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,124.65	1,277.81
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,467.68	1,388.35
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,994.21	1,696.18
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,262.71	1,726.09
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,227.49	1,757.25
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,542.69	1,818.32
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,477.64	1,927.98
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,744.72	1,996.53
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,994.51	2,158.55
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,392.70	2,235.82
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,695.07	2,467.62
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,254.54	2,556.11
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,283.69	693.92
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,614.35	847.96
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,739.44	863.30
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,844.72	878.62
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,075.11	909.28
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,861.44	963.87
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,175.92	998.27
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,176.77	1,079.02
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,740.49	1,117.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,614.02	1,233.81
27 15 01 19-0097		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*		
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,440.22	1,388.35
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,027.62	1,696.18
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,177.65	1,726.09
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,309.10	1,757.25
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,590.58	1,818.32
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,467.90	1,927.98
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,839.69	1,996.53
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,975.14	2,158.55
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,603.67	2,235.82
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,670.37	2,467.62

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Solid Conductor Low Voltage Cable *(27 15 13)*

27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,143.97	1,127.24
		For #10 AWG, Add	*463.25*	
		For Work In Restricted Working Space, Add	*563.67*	
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,434.88	1,167.09
		For #10 AWG, Add	*550.56*	
		For Work In Restricted Working Space, Add	*583.72*	
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,694.38	1,208.08
		For #10 AWG, Add	*627.47*	
		For Work In Restricted Working Space, Add	*603.87*	
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,968.33	1,249.07
		For #10 AWG, Add	*708.83*	
		For Work In Restricted Working Space, Add	*624.73*	
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,301.12	1,333.33
		For #10 AWG, Add	*800.40*	
		For Work In Restricted Working Space, Add	*666.86*	
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,610.17	1,416.46
		For #10 AWG, Add	*884.38*	
		For Work In Restricted Working Space, Add	*708.41*	
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,956.17	1,584.97
		For #10 AWG, Add	*962.19*	
		For Work In Restricted Working Space, Add	*792.34*	
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,235.04	2,089.39
		For #10 AWG, Add	*1,274.95*	
		For Work In Restricted Working Space, Add	*1,044.49*	
27 15 13 00-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,771.58	3,085.69
		For #10 AWG, Add	*1,896.23*	
		For Work In Restricted Working Space, Add	*1,542.45*	

27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,896.32	986.06
		For Work In Restricted Working Space, Add	*492.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,169.61	1,021.35
		For Work In Restricted Working Space, Add	*510.68*	
27 15 13 00-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,412.59	1,056.65
		For Work In Restricted Working Space, Add	*528.44*	
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,668.27	1,093.09
		For Work In Restricted Working Space, Add	*546.54*	
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,975.00	1,167.09
		For Work In Restricted Working Space, Add	*583.43*	
27 15 13 00-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,258.65	1,239.97
		For Work In Restricted Working Space, Add	*619.64*	
27 15 13 00-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,567.90	1,386.86
		For Work In Restricted Working Space, Add	*693.43*	
27 15 13 00-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,721.14	1,827.50
		For Work In Restricted Working Space, Add	*913.75*	
27 15 13 00-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,012.83	2,699.70
		For Work In Restricted Working Space, Add	*1,349.96*	
27 15 13 00-0023		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,690.71	880.16
		For Work In Restricted Working Space, Add	*440.31*	
27 15 13 00-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,877.95	912.04
		For Work In Restricted Working Space, Add	*456.02*	
27 15 13 00-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,145.83	943.92
		For Work In Restricted Working Space, Add	*471.73*	
27 15 13 00-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,372.50	975.81
		For Work In Restricted Working Space, Add	*488.13*	
27 15 13 00-0028	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,643.62	1,041.84
		For Work In Restricted Working Space, Add	*520.92*	
27 15 13 00-0029	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,895.30	1,106.75
		For Work In Restricted Working Space, Add	*553.38*	
27 15 13 00-0030	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,032.48	1,172.79
		For Work In Restricted Working Space, Add	*586.17*	
27 15 13 00-0031	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,170.80	1,238.83
		For Work In Restricted Working Space, Add	*619.30*	
27 15 13 00-0032	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,486.15	1,317.39
		For Work In Restricted Working Space, Add	*658.58*	
27 15 13 00-0033	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,194.90	1,631.66
		For Work In Restricted Working Space, Add	*815.89*	
27 15 13 00-0034	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,230.58	2,410.48
		For Work In Restricted Working Space, Add	*1,205.30*	
27 15 13 00-0035		#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0036	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,448.69	775.41
		For Work In Restricted Working Space, Add	*387.36*	
27 15 13 00-0037	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,628.49	802.73
		For Work In Restricted Working Space, Add	*401.37*	
27 15 13 00-0038	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,789.43	830.06
		For Work In Restricted Working Space, Add	*415.37*	
27 15 13 00-0039	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,957.58	858.53
		For Work In Restricted Working Space, Add	*429.38*	
27 15 13 00-0040	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,168.62	916.59
		For Work In Restricted Working Space, Add	*458.41*	
27 15 13 00-0041	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,365.59	973.52
		For Work In Restricted Working Space, Add	*487.11*	

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27 15 13 00-0042	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,597.38	1,089.67
		For Work In Restricted Working Space, Add	*544.84*	
27 15 13 00-0043	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,435.08	1,435.82
		For Work In Restricted Working Space, Add	*718.02*	
27 15 13 00-0044	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,097.97	2,121.27
		For Work In Restricted Working Space, Add	*1,060.63*	
27 15 13 00-0045		#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0046	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,294.95	704.81
		For Work In Restricted Working Space, Add	*352.18*	
27 15 13 00-0047	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,440.03	729.86
		For Work In Restricted Working Space, Add	*364.82*	
27 15 13 00-0048	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,569.32	755.49
		For Work In Restricted Working Space, Add	*377.46*	
27 15 13 00-0049	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,704.80	781.10
		For Work In Restricted Working Space, Add	*390.44*	
27 15 13 00-0050	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,880.83	833.48
		For Work In Restricted Working Space, Add	*416.57*	
27 15 13 00-0051	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,045.80	885.86
		For Work In Restricted Working Space, Add	*442.70*	
27 15 13 00-0052	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,260.14	990.61
		For Work In Restricted Working Space, Add	*495.31*	
27 15 13 00-0053	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,976.43	1,306.01
		For Work In Restricted Working Space, Add	*652.78*	
27 15 13 00-0054	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,415.12	1,928.84
		For Work In Restricted Working Space, Add	*964.31*	
27 15 13 00-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,626.92	1,974.39
		For Work In Restricted Working Space, Add	*987.19*	
27 15 13 00-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,468.92	2,298.90
		For Work In Restricted Working Space, Add	*1,149.45*	
27 15 13 00-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,862.97	2,460.58
		For Work In Restricted Working Space, Add	*1,230.40*	
27 15 13 00-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,119.97	3,075.45
		For Work In Restricted Working Space, Add	*1,537.49*	
27 15 13 00-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,570.62	4,048.97
		For Work In Restricted Working Space, Add	*2,024.25*	
27 15 13 00-0060		#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,119.96	634.22
		For Work In Restricted Working Space, Add	*317.00*	
27 15 13 00-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,180.85	656.99
		For Work In Restricted Working Space, Add	*328.27*	
27 15 13 00-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,251.78	679.76
		For Work In Restricted Working Space, Add	*339.88*	
27 15 13 00-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,327.14	702.54
		For Work In Restricted Working Space, Add	*351.50*	
27 15 13 00-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,449.69	750.35
		For Work In Restricted Working Space, Add	*375.07*	
27 15 13 00-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,571.43	794.76
		For Work In Restricted Working Space, Add	*397.61*	
27 15 13 00-0067		Triad *(27 15 13 00-0002)*		
27 15 13 00-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,114.04	943.92
27 15 13 00-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,029.74	1,306.01
27 15 13 00-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,336.58	1,928.84
27 15 13 00-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,929.43	2,298.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	13,058.26	3,561.64
27 15 13 00-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	15,040.91	4,048.97
27 15 13 00-0074		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*		
27 15 13 00-0075		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0076	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,022.87	2,254.49
		For #10 AWG, Add	*839.03*	
		For Work In Restricted Working Space, Add	*1,127.34*	
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,380.61	2,334.20
		For #10 AWG, Add	*939.71*	
		For Work In Restricted Working Space, Add	*1,167.44*	
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,707.29	2,416.18
		For #10 AWG, Add	*1,030.05*	
		For Work In Restricted Working Space, Add	*1,207.74*	
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,050.77	2,498.16
		For #10 AWG, Add	*1,125.32*	
		For Work In Restricted Working Space, Add	*1,249.46*	
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,524.00	2,666.68
		For #10 AWG, Add	*1,244.97*	
		For Work In Restricted Working Space, Add	*1,333.73*	
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,971.55	2,832.92
		For #10 AWG, Add	*1,356.65*	
		For Work In Restricted Working Space, Add	*1,416.83*	
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,597.30	3,169.95
		For #10 AWG, Add	*1,490.42*	
		For Work In Restricted Working Space, Add	*1,584.68*	
27 15 13 00-0083	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,716.68	4,178.77
		For #10 AWG, Add	*1,971.28*	
		For Work In Restricted Working Space, Add	*2,088.98*	
27 15 13 00-0084	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,913.07	6,171.38
		For #10 AWG, Add	*2,924.53*	
		For Work In Restricted Working Space, Add	*3,084.89*	
27 15 13 00-0085		#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0086	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,539.36	1,972.11
		For Work In Restricted Working Space, Add	*985.83*	
27 15 13 00-0087	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,871.87	2,042.71
		For Work In Restricted Working Space, Add	*1,021.35*	
27 15 13 00-0088	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,174.05	2,113.30
		For Work In Restricted Working Space, Add	*1,056.88*	
27 15 13 00-0089	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,490.08	2,186.17
		For Work In Restricted Working Space, Add	*1,093.09*	
27 15 13 00-0090	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,919.79	2,334.20
		For Work In Restricted Working Space, Add	*1,166.87*	
27 15 13 00-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,324.13	2,479.93
		For Work In Restricted Working Space, Add	*1,239.29*	
27 15 13 00-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,879.32	2,773.70
		For Work In Restricted Working Space, Add	*1,386.85*	
27 15 13 00-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,766.97	3,655.01
		For Work In Restricted Working Space, Add	*1,827.50*	
27 15 13 00-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,512.71	5,399.39
		For Work In Restricted Working Space, Add	*2,699.92*	
27 15 13 00-0095		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,158.41	1,760.33
		For Work In Restricted Working Space, Add	*880.62*	

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27 15 13 00-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,398.03	1,824.09
		For Work In Restricted Working Space, Add	*912.05*	
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,718.29	1,887.85
		For Work In Restricted Working Space, Add	*943.47*	
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,999.60	1,951.61
		For Work In Restricted Working Space, Add	*976.26*	
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,380.04	2,083.70
		For Work In Restricted Working Space, Add	*1,041.85*	
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,739.87	2,213.50
		For Work In Restricted Working Space, Add	*1,106.75*	
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,986.37	2,345.58
		For Work In Restricted Working Space, Add	*1,172.33*	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,235.14	2,477.66
		For Work In Restricted Working Space, Add	*1,238.60*	
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,681.43	2,634.79
		For Work In Restricted Working Space, Add	*1,317.17*	
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,914.52	3,263.32
		For Work In Restricted Working Space, Add	*1,631.77*	
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,248.24	4,820.97
		For Work In Restricted Working Space, Add	*2,410.60*	
27 15 13 00-0107		**#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0074)*		
27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,739.90	1,550.81
		For Work In Restricted Working Space, Add	*774.73*	
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,966.38	1,605.47
		For Work In Restricted Working Space, Add	*802.73*	
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,174.01	1,660.12
		For Work In Restricted Working Space, Add	*830.75*	
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,388.84	1,717.05
		For Work In Restricted Working Space, Add	*858.76*	
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,696.67	1,833.20
		For Work In Restricted Working Space, Add	*916.83*	
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,989.27	1,947.06
		For Work In Restricted Working Space, Add	*974.21*	
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,413.49	2,179.34
		For Work In Restricted Working Space, Add	*1,089.67*	
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,828.48	2,871.62
		For Work In Restricted Working Space, Add	*1,436.04*	
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,633.40	4,242.54
		For Work In Restricted Working Space, Add	*2,121.26*	
27 15 13 00-0117		**#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0074)*		
27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,468.88	1,409.62
		For Work In Restricted Working Space, Add	*704.36*	
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,656.10	1,459.73
		For Work In Restricted Working Space, Add	*729.64*	
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,827.51	1,510.96
		For Work In Restricted Working Space, Add	*754.91*	
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,006.26	1,562.20
		For Work In Restricted Working Space, Add	*780.87*	
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,269.39	1,666.96
		For Work In Restricted Working Space, Add	*833.14*	
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,521.47	1,771.71
		For Work In Restricted Working Space, Add	*885.40*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,911.15	1,981.21
		For Work In Restricted Working Space, Add	*990.61*	
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,152.36	2,612.02
		For Work In Restricted Working Space, Add	*1,305.56*	
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,629.46	3,857.68
		For Work In Restricted Working Space, Add	*1,928.61*	
27 15 13 00-0127	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,917.54	3,948.77
		For Work In Restricted Working Space, Add	*1,974.38*	
27 15 13 00-0128	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,300.43	4,597.80
		For Work In Restricted Working Space, Add	*2,298.90*	
27 15 13 00-0129	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,964.30	4,921.16
		For Work In Restricted Working Space, Add	*2,460.80*	
27 15 13 00-0130	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,244.93	6,150.88
		For Work In Restricted Working Space, Add	*3,074.98*	
27 15 13 00-0131	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	16,318.09	8,097.94
		For Work In Restricted Working Space, Add	*4,048.49*	
27 15 13 00-0132		#22 AWG, Shielded, Low Voltage Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0133	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,176.61	1,268.43
		For Work In Restricted Working Space, Add	*633.99*	
27 15 13 00-0134	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,275.08	1,313.98
		For Work In Restricted Working Space, Add	*656.54*	
27 15 13 00-0135	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,384.72	1,359.53
		For Work In Restricted Working Space, Add	*679.76*	
27 15 13 00-0136	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,498.79	1,405.07
		For Work In Restricted Working Space, Add	*702.99*	
27 15 13 00-0137	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,699.91	1,500.72
		For Work In Restricted Working Space, Add	*750.13*	
27 15 13 00-0138	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,896.81	1,589.53
		For Work In Restricted Working Space, Add	*795.22*	
27 15 13 00-0139		Triad, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0140	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,114.04	943.92
27 15 13 00-0141	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,029.74	1,306.01
27 15 13 00-0142	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,336.58	1,928.84
27 15 13 00-0143	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,929.43	2,298.90
27 15 13 00-0144	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	13,058.26	3,561.64
27 15 13 00-0145	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	15,040.91	4,048.97
27 15 13 00-0146		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*		
27 15 13 00-0147		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0148	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,857.18	986.06
		For Work In Restricted Working Space, Add	*492.92*	
27 15 13 00-0149	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,097.39	1,021.35
		For Work In Restricted Working Space, Add	*510.68*	
27 15 13 00-0150	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,311.98	1,056.65
		For Work In Restricted Working Space, Add	*528.44*	
27 15 13 00-0151	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,537.47	1,093.09
		For Work In Restricted Working Space, Add	*546.54*	
27 15 13 00-0152	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,813.54	1,165.96
		For Work In Restricted Working Space, Add	*582.75*	
27 15 13 00-0153	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,073.14	1,238.83
		For Work In Restricted Working Space, Add	*619.30*	
27 15 13 00-0154	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,373.74	1,386.86
		For Work In Restricted Working Space, Add	*693.43*	

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27 15 13 00-0155	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,462.26	1,827.50
		For Work In Restricted Working Space, Add	*913.75*	
27 15 13 00-0156	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,624.51	2,699.70
		For Work In Restricted Working Space, Add	*1,349.96*	
27 15 13 00-0157		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0158	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,656.25	880.16
		For Work In Restricted Working Space, Add	*440.31*	
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,868.03	912.04
		For Work In Restricted Working Space, Add	*456.02*	
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,057.22	943.92
		For Work In Restricted Working Space, Add	*471.73*	
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,257.32	975.81
		For Work In Restricted Working Space, Add	*488.13*	
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,502.31	1,040.71
		For Work In Restricted Working Space, Add	*520.58*	
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,732.94	1,106.75
		For Work In Restricted Working Space, Add	*553.38*	
27 15 13 00-0164	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,865.81	1,172.79
		For Work In Restricted Working Space, Add	*586.17*	
27 15 13 00-0165	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,060.29	1,238.83
		For Work In Restricted Working Space, Add	*619.30*	
27 15 13 00-0166	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,357.10	1,317.39
		For Work In Restricted Working Space, Add	*658.55*	
27 15 13 00-0167	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,966.93	1,631.66
		For Work In Restricted Working Space, Add	*815.89*	
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,889.18	2,410.48
		For Work In Restricted Working Space, Add	*1,205.47*	
27 15 13 00-0169		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,448.58	774.27
		For Work In Restricted Working Space, Add	*387.36*	
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,620.08	802.73
		For Work In Restricted Working Space, Add	*401.37*	
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,731.87	831.20
		For Work In Restricted Working Space, Add	*415.37*	
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,876.25	858.53
		For Work In Restricted Working Space, Add	*429.38*	
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,059.85	916.59
		For Work In Restricted Working Space, Add	*458.41*	
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,242.33	974.67
		For Work In Restricted Working Space, Add	*487.11*	
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,662.68	1,089.67
		For Work In Restricted Working Space, Add	*544.84*	
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,467.24	1,435.82
		For Work In Restricted Working Space, Add	*718.02*	
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,708.30	2,121.27
		For Work In Restricted Working Space, Add	*1,060.63*	
27 15 13 00-0179		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,285.02	704.81
		For Work In Restricted Working Space, Add	*352.18*	
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,405.42	729.86
		For Work In Restricted Working Space, Add	*364.82*	

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27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,647.62	831.20
		For Work In Restricted Working Space, Add	*415.37*	
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,797.33	873.79
		For Work In Restricted Working Space, Add	*436.89*	
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,944.24	916.59
		For Work In Restricted Working Space, Add	*458.41*	
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,105.72	974.67
		For Work In Restricted Working Space, Add	*487.11*	
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,323.14	1,084.66
		For Work In Restricted Working Space, Add	*542.45*	
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,852.73	1,306.01
		For Work In Restricted Working Space, Add	*652.78*	
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,229.57	1,928.84
		For Work In Restricted Working Space, Add	*964.31*	
27 15 13 00-0189	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,420.43	1,974.39
		For Work In Restricted Working Space, Add	*987.19*	
27 15 13 00-0190	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,215.89	2,298.90
		For Work In Restricted Working Space, Add	*1,149.45*	
27 15 13 00-0191	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,590.75	2,460.58
		For Work In Restricted Working Space, Add	*1,230.40*	
27 15 13 00-0192	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,811.69	3,075.45
		For Work In Restricted Working Space, Add	*1,537.49*	
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,134.37	4,048.97
		For Work In Restricted Working Space, Add	*2,024.25*	
27 15 13 00-0194		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,130.30	634.22
		For Work In Restricted Working Space, Add	*317.00*	
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,195.00	656.99
		For Work In Restricted Working Space, Add	*328.27*	
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,276.24	679.76
		For Work In Restricted Working Space, Add	*339.88*	
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,363.76	702.54
		For Work In Restricted Working Space, Add	*351.50*	
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,488.00	750.35
		For Work In Restricted Working Space, Add	*375.07*	
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,618.68	794.76
		For Work In Restricted Working Space, Add	*397.61*	
27 15 13 00-0201		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*		
27 15 13 00-0202		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,500.22	1,972.11
		For Work In Restricted Working Space, Add	*985.83*	
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,799.65	2,042.71
		For Work In Restricted Working Space, Add	*1,021.35*	
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,073.44	2,113.30
		For Work In Restricted Working Space, Add	*1,056.88*	
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,359.28	2,186.17
		For Work In Restricted Working Space, Add	*1,093.09*	
27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,756.04	2,331.92
		For Work In Restricted Working Space, Add	*1,165.50*	
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,137.48	2,477.66
		For Work In Restricted Working Space, Add	*1,238.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,685.16	2,773.70
		For Work In Restricted Working Space, Add	*1,386.85*	
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,508.09	3,655.01
		For Work In Restricted Working Space, Add	*1,827.50*	
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,124.39	5,399.39
		For Work In Restricted Working Space, Add	*2,699.92*	
27 15 13 00-0212		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,123.95	1,760.33
		For Work In Restricted Working Space, Add	*880.62*	
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,388.11	1,824.09
		For Work In Restricted Working Space, Add	*912.05*	
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,629.68	1,887.85
		For Work In Restricted Working Space, Add	*943.47*	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,884.42	1,951.61
		For Work In Restricted Working Space, Add	*976.26*	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,237.58	2,081.42
		For Work In Restricted Working Space, Add	*1,041.17*	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,577.51	2,213.50
		For Work In Restricted Working Space, Add	*1,106.75*	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,819.70	2,345.58
		For Work In Restricted Working Space, Add	*1,172.33*	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,124.63	2,477.66
		For Work In Restricted Working Space, Add	*1,238.60*	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,552.27	2,634.79
		For Work In Restricted Working Space, Add	*1,317.10*	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,686.55	3,263.32
		For Work In Restricted Working Space, Add	*1,631.77*	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,907.39	4,820.97
		For Work In Restricted Working Space, Add	*2,410.93*	
27 15 13 00-0224		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,739.79	1,548.53
		For Work In Restricted Working Space, Add	*774.73*	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,957.97	1,605.47
		For Work In Restricted Working Space, Add	*802.73*	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,116.45	1,662.41
		For Work In Restricted Working Space, Add	*830.75*	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,307.51	1,717.05
		For Work In Restricted Working Space, Add	*858.76*	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,587.90	1,833.20
		For Work In Restricted Working Space, Add	*916.83*	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,866.01	1,949.33
		For Work In Restricted Working Space, Add	*974.21*	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,478.79	2,179.34
		For Work In Restricted Working Space, Add	*1,089.67*	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,860.64	2,871.62
		For Work In Restricted Working Space, Add	*1,436.04*	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,243.73	4,242.54
		For Work In Restricted Working Space, Add	*2,121.26*	
27 15 13 00-0234		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,458.95	1,409.62
		For Work In Restricted Working Space, Add	*704.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,621.49	1,459.73
		For Work In Restricted Working Space, Add	*729.64*	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,032.20	1,662.41
		For Work In Restricted Working Space, Add	*830.75*	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,253.63	1,747.57
		For Work In Restricted Working Space, Add	*873.78*	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,472.29	1,833.20
		For Work In Restricted Working Space, Add	*916.83*	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,729.40	1,949.33
		For Work In Restricted Working Space, Add	*974.21*	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,131.28	2,169.32
		For Work In Restricted Working Space, Add	*1,084.89*	
27 15 13 00-0242	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,028.66	2,612.02
		For Work In Restricted Working Space, Add	*1,305.56*	
27 15 13 00-0243	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,443.91	3,857.68
		For Work In Restricted Working Space, Add	*1,928.61*	
27 15 13 00-0244	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,711.05	3,948.77
		For Work In Restricted Working Space, Add	*1,974.38*	
27 15 13 00-0245	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,047.40	4,597.80
		For Work In Restricted Working Space, Add	*2,298.90*	
27 15 13 00-0246	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,692.08	4,921.16
		For Work In Restricted Working Space, Add	*2,460.80*	
27 15 13 00-0247	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,936.65	6,150.88
		For Work In Restricted Working Space, Add	*3,074.98*	
27 15 13 00-0248	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	15,881.84	8,097.94
		For Work In Restricted Working Space, Add	*4,048.49*	
27 15 13 00-0249		**#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed** *(27 15 13 00-0201)*		
27 15 13 00-0250	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,186.95	1,268.43
		For Work In Restricted Working Space, Add	*633.99*	
27 15 13 00-0251	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,289.23	1,313.98
		For Work In Restricted Working Space, Add	*656.54*	
27 15 13 00-0252	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,409.18	1,359.53
		For Work In Restricted Working Space, Add	*679.76*	
27 15 13 00-0253	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,535.41	1,405.07
		For Work In Restricted Working Space, Add	*702.99*	
27 15 13 00-0254	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,738.22	1,500.72
		For Work In Restricted Working Space, Add	*750.13*	
27 15 13 00-0255	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,944.06	1,589.53
		For Work In Restricted Working Space, Add	*795.22*	
27 15 13 00-0256		**Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench** *(27 15 13 00-0001)*		
		Note: Excludes excavation.		
27 15 13 00-0257	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,763.82	
27 15 13 00-0258	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,030.91	
27 15 13 00-0259	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,269.08	
27 15 13 00-0260	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,520.43	
27 15 13 00-0261	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,816.93	
27 15 13 00-0262	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,091.47	
27 15 13 00-0263		**Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)** *(27 15 13 00-0001)*		
27 15 13 00-0264	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,872.10	613.97
27 15 13 00-0265	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,201.82	657.78
27 15 13 00-0266	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,843.68	831.57
27 15 13 00-0267	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,382.49	961.80
27 15 13 00-0268	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,692.04	1,096.25
27 15 13 00-0269	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,728.38	1,400.55

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0270		Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*		
27 15 13 00-0271	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,687.99	880.16
27 15 13 00-0272	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,039.85	912.04
27 15 13 00-0273	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,287.66	943.92
27 15 13 00-0274	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,420.30	975.81
27 15 13 00-0275	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,905.92	1,040.71
27 15 13 00-0276	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,144.05	1,106.75
27 15 13 00-0277	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,935.56	1,238.83
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,888.64	1,631.66
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,422.80	2,410.48
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,458.28	774.27
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,747.18	802.73
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,986.18	831.20
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,104.59	858.53
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,519.44	916.59
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,829.50	974.67
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,196.06	1,089.67
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,129.55	1,435.82
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,598.13	2,121.27
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,288.28	704.81
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,471.78	729.86
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,649.64	754.91
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,761.98	781.10
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,918.74	833.48
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,095.11	885.86
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,346.49	990.61
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,236.28	1,306.01
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,917.66	1,928.84
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,186.04	1,974.39
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,121.19	2,298.90
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,600.26	2,460.58
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,954.92	3,075.45
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,752.15	4,048.97
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,781.02	7,458.03
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,372.07	9,869.66
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	42,003.85	12,437.27
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	59,152.36	17,060.11
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,247.08	704.81
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,379.63	729.86
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,508.59	754.91
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,596.04	781.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,727.91	833.48
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,871.90	885.86
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,095.89	990.61
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,854.21	1,306.01
27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,303.92	1,928.84
27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,503.09	1,974.39
27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,317.28	2,298.90
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,699.84	2,460.58
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,935.21	3,075.45
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,309.19	4,048.97
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,727.32	7,458.03
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	25,980.71	9,869.66
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,319.06	12,437.27
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	48,057.95	17,060.11

27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,713.22	880.16
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,960.33	912.04
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,114.30	943.92
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,320.23	975.81
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,566.14	1,040.71
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,809.78	1,106.75
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,385.13	1,238.83
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,396.58	1,631.66
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,558.20	2,410.48
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,499.92	774.27
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,712.11	802.73
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,845.15	831.20
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,021.39	858.53
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,233.31	916.59
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,444.11	974.67
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,938.79	1,089.67
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,818.34	1,435.82
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,694.42	2,121.27
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,321.25	704.81
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,503.91	729.86
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,632.41	754.91
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,864.29	781.10
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,069.84	833.48
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,461.85	885.86
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,751.68	990.61
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,479.78	1,306.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,246.33	1,928.84
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,550.59	1,974.39
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,600.95	2,298.90
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,080.88	2,460.58
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,499.20	3,075.45
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,522.38	4,048.97
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	22,411.77	7,458.03
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	34,250.85	9,869.66
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	46,106.72	12,437.27
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	65,075.56	17,058.97
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,268.16	704.81
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,400.19	729.86
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,497.58	754.91
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,661.49	781.10
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,824.57	833.48
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,106.51	885.86
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,355.09	990.61
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,009.97	1,306.01
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,514.16	1,928.84
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,736.28	1,974.39
27 15 13 00-0372	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,603.04	2,298.90
27 15 13 00-0373	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,007.29	2,460.58
27 15 13 00-0374	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,283.38	3,075.45
27 15 13 00-0375	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,801.88	4,048.97
27 15 13 00-0376	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	18,770.40	7,458.03
27 15 13 00-0377	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	27,822.28	9,869.66
27 15 13 00-0378	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	36,944.13	12,437.27
27 15 13 00-0379	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	51,847.94	17,060.11

27 15 13 00-0380 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0381 Indoor Telecommunications Cable *(27 15 13 00-0380)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0382 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0381)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0382)*

27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*

27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0384)*

27 15 13 00-0386	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	979.98	523.44
27 15 13 00-0387	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,025.89	523.44
27 15 13 00-0388	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,042.12	523.44
27 15 13 00-0389	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,258.09	598.22
27 15 13 00-0390	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,596.06	598.22
27 15 13 00-0391	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,132.69	598.22
27 15 13 00-0392	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,396.57	747.77
27 15 13 00-0393	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,139.89	1,196.42
27 15 13 00-0394	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,308.57	1,345.97
27 15 13 00-0395	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,033.84	1,495.53
27 15 13 00-0396	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,136.78	2,093.74
27 15 13 00-0397	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,147.60	2,587.26
27 15 13 00-0398	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,501.22	3,589.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0399	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	54,439.32	7,178.54
27 15 13 00-0400	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	74,031.35	10,767.81
27 15 13 00-0401		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0384)*		
27 15 13 00-0402	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,852.36	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0403	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,898.27	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0404	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,914.50	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0405	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,005.85	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0406	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,343.82	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0407	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,129.71	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0408	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,642.84	1,495.53
		For Work In Restricted Working Space, Add	*747.77*	
27 15 13 00-0409	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,136.91	1,794.64
		For Work In Restricted Working Space, Add	*897.32*	
27 15 13 00-0410	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,430.22	2,018.96
		For Work In Restricted Working Space, Add	*1,009.48*	
27 15 13 00-0411	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,280.12	2,243.29
		For Work In Restricted Working Space, Add	*1,121.65*	
27 15 13 00-0412	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	17,881.56	3,140.61
		For Work In Restricted Working Space, Add	*1,570.31*	
27 15 13 00-0413	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	23,316.12	3,888.38
		For Work In Restricted Working Space, Add	*1,944.19*	
27 15 13 00-0414	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	36,492.28	5,383.90
		For Work In Restricted Working Space, Add	*2,691.95*	
27 15 13 00-0415	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	60,421.44	10,767.81
		For Work In Restricted Working Space, Add	*5,383.91*	
27 15 13 00-0416	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	83,004.54	16,151.72
		For Work In Restricted Working Space, Add	*8,075.86*	
27 15 13 00-0417		22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*		
27 15 13 00-0418		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0417)*		
27 15 13 00-0419	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,469.31	598.22
27 15 13 00-0420	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,170.73	747.77
27 15 13 00-0421	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,447.09	1,196.42
27 15 13 00-0422	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,794.36	1,495.53
27 15 13 00-0423	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	24,703.53	2,093.74
27 15 13 00-0424	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	32,181.38	2,587.26
27 15 13 00-0425	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	47,719.89	3,589.27
27 15 13 00-0426		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0417)*		
27 15 13 00-0427	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,466.33	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0428	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,417.00	1,495.53
		For Work In Restricted Working Space, Add	*747.77*	
27 15 13 00-0429	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,444.11	1,794.64
		For Work In Restricted Working Space, Add	*897.32*	
27 15 13 00-0430	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,040.64	2,243.29
		For Work In Restricted Working Space, Add	*1,121.65*	
27 15 13 00-0431	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	26,448.31	3,140.61
		For Work In Restricted Working Space, Add	*1,570.31*	
27 15 13 00-0432	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	34,349.90	3,888.38
		For Work In Restricted Working Space, Add	*1,944.19*	
27 15 13 00-0433	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	50,710.95	5,383.90
		For Work In Restricted Working Space, Add	*2,691.95*	
27 15 13 00-0434		Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0382)*		
27 15 13 00-0435		24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0434)*		
27 15 13 00-0436		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0435)*		
27 15 13 00-0437	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,017.11	523.44
27 15 13 00-0438	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,062.84	523.44
27 15 13 00-0439	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,097.03	523.44
27 15 13 00-0440	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,319.76	598.22
27 15 13 00-0441	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,688.16	598.22
27 15 13 00-0442	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,686.80	598.22
27 15 13 00-0443	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,524.69	747.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0444	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,503.59	1,196.42
27 15 13 00-0445	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	14,737.90	1,495.53
27 15 13 00-0446	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,089.74	2,093.74
27 15 13 00-0447		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0435)*		
27 15 13 00-0448	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,889.49	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0449	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,935.22	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0450	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,969.41	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0451	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,067.52	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0452	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,435.92	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0453	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,683.82	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0454	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	5,770.96	1,495.53
		For Work In Restricted Working Space, Add	*747.77*	
27 15 13 00-0455	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,500.61	1,794.64
		For Work In Restricted Working Space, Add	*897.32*	
27 15 13 00-0456	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	15,984.18	2,243.29
		For Work In Restricted Working Space, Add	*1,121.65*	
27 15 13 00-0457	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	23,834.52	3,140.61
		For Work In Restricted Working Space, Add	*1,570.31*	
27 15 13 00-0458		Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0459		Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0458)*		
27 15 13 00-0460		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0459)*		
27 15 13 00-0461	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,003.11	523.44
27 15 13 00-0462	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,033.73	523.44
27 15 13 00-0463	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,158.93	598.22
27 15 13 00-0464	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,189.54	598.22
27 15 13 00-0465		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0459)*		
27 15 13 00-0466	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,875.49	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0467	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,906.11	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0468	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,155.95	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0469	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,186.56	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0470		Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0458)*		
27 15 13 00-0471		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0470)*		
27 15 13 00-0472	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,115.70	523.44
27 15 13 00-0473	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,479.55	598.22
27 15 13 00-0474		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0470)*		
27 15 13 00-0475	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,988.08	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0476	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,476.57	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0477		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0478		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0477)*		
27 15 13 00-0479		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0478)*		
27 15 13 00-0480	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,227.02	523.44
27 15 13 00-0481	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,266.68	523.44
27 15 13 00-0482		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0478)*		
27 15 13 00-0483	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,099.40	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0484	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,139.06	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0485		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0477)*		
27 15 13 00-0486		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0485)*		
27 15 13 00-0487	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,465.79	523.44
27 15 13 00-0488		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0485)*		
27 15 13 00-0489	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,338.17	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0490		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0491		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0490)*		
27 15 13 00-0492		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0491)*		
27 15 13 00-0493	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,290.38	523.44
27 15 13 00-0494		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0491)*		
27 15 13 00-0495	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	2,162.76	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0496		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0490)*		
27 15 13 00-0497		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0496)*		
27 15 13 00-0498	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,620.01	523.44
27 15 13 00-0499		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0496)*		
27 15 13 00-0500	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,492.39	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 13 00-0501		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0502		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0501)*		
27 15 13 00-0503	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,608.36	598.22
27 15 13 00-0504	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,232.01	598.22
27 15 13 00-0505		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0501)*		
27 15 13 00-0506	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,605.38	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0507	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	5,229.03	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 13 00-0508		Outdoor Telecommunications Cable *(27 15 13 00-0380)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0511		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0510)*		
27 15 13 00-0512	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,866.00	598.22
27 15 13 00-0513	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,233.55	1,046.87
27 15 13 00-0514	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,149.96	672.99
27 15 13 00-0515	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,782.98	747.77
27 15 13 00-0516	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,780.72	1,046.87
27 15 13 00-0517	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,532.72	1,196.42
27 15 13 00-0518	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	14,650.86	1,345.97
27 15 13 00-0519	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,537.27	1,944.19
27 15 13 00-0520	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	28,537.89	2,542.40
27 15 13 00-0521	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	38,757.26	3,439.71
27 15 13 00-0522	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	61,208.08	6,879.43
27 15 13 00-0523	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	83,660.97	10,169.60
27 15 13 00-0524		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0510)*		
27 15 13 00-0525	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,679.06	
27 15 13 00-0526	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,046.61	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0527	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,900.71	
27 15 13 00-0528	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,533.72	
27 15 13 00-0529	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,406.84	
27 15 13 00-0530	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,909.58	
27 15 13 00-0531	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,401.61	
27 15 13 00-0532	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,789.50	
27 15 13 00-0533	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	26,980.05	
27 15 13 00-0534	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	36,015.46	
27 15 13 00-0535	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	53,730.42	
27 15 13 00-0536	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	72,693.75	
27 15 13 00-0537		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0538		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0537)*		
27 15 13 00-0539	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,099.67	598.22
27 15 13 00-0540	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,670.11	598.22
27 15 13 00-0541	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,043.56	672.99
27 15 13 00-0542	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,373.48	747.77
27 15 13 00-0543	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,266.23	1,046.87
27 15 13 00-0544	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,911.71	1,196.42
27 15 13 00-0545	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,169.40	1,345.97
27 15 13 00-0546	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	30,834.02	1,944.19
27 15 13 00-0547	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	41,070.71	2,542.40
27 15 13 00-0548	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	60,643.51	3,439.71
27 15 13 00-0549	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	88,848.61	6,879.43
27 15 13 00-0550	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	125,013.74	10,169.60
27 15 13 00-0551		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0537)*		
27 15 13 00-0552	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,912.73	
27 15 13 00-0553	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,483.17	
27 15 13 00-0554	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,794.31	
27 15 13 00-0555	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,124.22	
27 15 13 00-0556	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,892.35	
27 15 13 00-0557	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,537.82	
27 15 13 00-0558	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,920.15	
27 15 13 00-0559	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,086.25	
27 15 13 00-0560	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	39,512.87	
27 15 13 00-0561	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	57,901.71	
27 15 13 00-0562	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	81,370.95	
27 15 13 00-0563	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	114,046.52	
27 15 13 00-0564		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0565		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0564)*		
27 15 13 00-0566	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,798.33	672.99
27 15 13 00-0567	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,758.17	747.77
27 15 13 00-0568	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	18,844.61	1,046.87
27 15 13 00-0569	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,577.23	1,196.42
27 15 13 00-0570		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0564)*		
27 15 13 00-0571	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,549.08	
27 15 13 00-0572	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,508.91	
27 15 13 00-0573	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	18,470.73	
27 15 13 00-0574	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,203.34	
27 15 13 00-0575		PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0508)*		
		Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0577		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0576)*		
27 15 13 00-0578	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,646.62	1,046.87
27 15 13 00-0579	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,096.28	1,046.87
27 15 13 00-0580	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,003.46	1,046.87
27 15 13 00-0581	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,637.10	1,046.87
27 15 13 00-0582	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,950.38	1,046.87
27 15 13 00-0583	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,176.09	1,345.97
27 15 13 00-0584	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	23,617.75	1,944.19
27 15 13 00-0585	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	31,072.93	2,542.40
27 15 13 00-0586	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	42,458.61	3,439.71
27 15 13 00-0587	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	65,994.85	6,879.43
27 15 13 00-0588	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	96,075.92	10,169.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0589		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0576)*		
27 15 13 00-0590	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,272.74	
27 15 13 00-0591	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,722.40	
27 15 13 00-0592	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,629.58	
27 15 13 00-0593	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,263.22	
27 15 13 00-0594	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,576.50	
27 15 13 00-0595	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,926.84	
27 15 13 00-0596	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,869.98	
27 15 13 00-0597	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	29,515.09	
27 15 13 00-0598	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,716.81	
27 15 13 00-0599	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	58,517.19	
27 15 13 00-0600	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	85,108.70	
27 15 13 00-0601		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0602		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0601)*		
27 15 13 00-0603	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,906.58	1,046.87
27 15 13 00-0604	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,567.34	1,046.87
27 15 13 00-0605	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,973.47	1,046.87
27 15 13 00-0606	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,560.25	1,046.87
27 15 13 00-0607	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,958.52	1,046.87
27 15 13 00-0608	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	23,889.68	1,345.97
27 15 13 00-0609	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,003.96	1,944.19
27 15 13 00-0610	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	44,844.33	2,542.40
27 15 13 00-0611	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	62,636.88	3,439.71
27 15 13 00-0612	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	98,668.15	6,879.43
27 15 13 00-0613		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0601)*		
27 15 13 00-0614	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,532.70	
27 15 13 00-0615	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,193.46	
27 15 13 00-0616	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,599.59	
27 15 13 00-0617	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,186.37	
27 15 13 00-0618	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,584.64	
27 15 13 00-0619	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,640.43	
27 15 13 00-0620	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,256.19	
27 15 13 00-0621	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	43,286.49	
27 15 13 00-0622	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	59,895.08	
27 15 13 00-0623	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	91,190.49	
27 15 13 00-0624		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0625		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0624)*		
27 15 13 00-0626	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,088.38	1,046.87
27 15 13 00-0627	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,334.71	1,046.87
27 15 13 00-0628	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,213.75	1,046.87
27 15 13 00-0629		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0624)*		
27 15 13 00-0630	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,714.50	
27 15 13 00-0631	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,960.83	
27 15 13 00-0632	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,839.87	
27 15 13 00-0633		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes support wire.		
27 15 13 00-0634		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0635	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,727.23	2,104.89
27 15 13 00-0636	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,101.37	2,104.89
27 15 13 00-0637	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,030.29	2,104.89
27 15 13 00-0638	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,750.16	2,104.89
27 15 13 00-0639	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,072.08	2,104.89
27 15 13 00-0640	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	21,166.18	2,315.38
27 15 13 00-0641	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	28,301.39	2,525.87
27 15 13 00-0642		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0643	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,174.85	2,104.89
27 15 13 00-0644	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,727.62	2,104.89
27 15 13 00-0645	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,059.03	2,104.89
27 15 13 00-0646	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,689.34	2,104.89
27 15 13 00-0647	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,580.23	2,104.89
27 15 13 00-0648	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	29,189.68	2,315.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0649		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0650	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,766.64	2,104.89
27 15 13 00-0651	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,016.71	2,104.89
27 15 13 00-0652	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,474.55	2,104.89
27 15 13 00-0653	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,390.27	2,104.89
27 15 13 00-0654	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	27,369.77	2,104.89
27 15 13 00-0655		Sound System Cables *(27 15 13)*		
		Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,909.29	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,802.98	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,720.98	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,810.65	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,098.87	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,386.15	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,100.09	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,961.69	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,953.21	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,830.91	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,761.69	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,877.20	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,121.24	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,094.31	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,925.15	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,212.70	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,499.46	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,796.40	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,853.54	797.04
		For Work In Restricted Working Space, Add	*478.23*	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,112.24	398.52
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,005.93	398.52
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	923.93	398.52
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,013.60	398.52
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,301.82	398.52
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,589.10	398.52
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,303.04	398.52
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,164.64	398.52
27 15 13 00-0688		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		
27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,156.16	398.52
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,033.86	398.52
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	964.64	398.52
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,080.15	398.52
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,324.19	398.52
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,297.26	398.52
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,128.10	398.52
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,415.65	398.52
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,702.41	398.52
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,056.49	398.52
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	999.35	398.52
27 15 23		**Communications Optical Fiber Horizontal Cabling** *(27 15)*		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 23 00-0001		Indoor Fiber Optic Cable *(27 15 23)*		
		Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002		Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*		
27 15 23 00-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*		
27 15 23 00-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*		
27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,070.91	448.65
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,168.29	448.65
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,200.81	448.65
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,316.60	448.65
		For Aluminum Armored Cable, Add	*1,283.52*	
		For Steel Armored Cable, Add	*1,466.02*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,349.80	448.65
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,550.49	448.65
		For Aluminum Armored Cable, Add	*1,412.60*	
		For Steel Armored Cable, Add	*1,518.20*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,646.48	523.44
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,718.51	523.44
		For Aluminum Armored Cable With Sub-Units, Add	*1,839.80*	
		For Steel Armored Cable, Add	*1,878.60*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,533.25	523.44
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.49*	
		For Steel Armored Cable, Add	*1,610.56*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,691.27	523.44
		For Aluminum Armored Cable With Sub-Units, Add	*2,034.91*	
		For Steel Armored Cable, Add	*1,688.23*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,687.76	523.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,952.76	523.44
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,346.65	523.44
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,867.42	598.22
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,768.22	598.22
27 15 23 00-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*		
27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,098.95	448.65
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,221.79	448.65
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,503.23	448.65
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,799.49	448.65
		For Aluminum Armored Cable, Add	*937.78*	
		For Steel Armored Cable, Add	*1,242.26*	
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,080.94	448.65
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,658.65	448.65
		For Aluminum Armored Cable, Add	*902.31*	
		For Steel Armored Cable, Add	*1,299.04*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,931.41	523.44
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,020.04	523.44
		For Aluminum Armored Cable With Sub-Units, Add	*952.11*	
		For Steel Armored Cable, Add	*952.11*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,093.86	523.44
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,167.68	523.44
		For Aluminum Armored Cable With Sub-Units, Add	*1,699.05*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,241.50	523.44
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,315.32	523.44
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,477.77	523.44
		For Aluminum Armored Cable With Sub-Units, Add	*7,317.62*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,750.03	598.22
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	25,897.67	598.22
27 15 23 00-0037		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*		
27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,116.51	448.65
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,245.49	448.65
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,541.01	448.65
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,852.08	448.65
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,147.60	448.65
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,754.19	448.65
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,034.36	523.44
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,227.42	523.44
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,404.93	523.44
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,582.44	523.44
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,759.96	523.44
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,937.47	523.44
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,308.04	523.44
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,787.68	598.22
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	27,142.71	598.22

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0053			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*		
27 15 23 00-0054			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0055		MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,973.49	448.65
27 15 23 00-0056		MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,336.69	448.65
27 15 23 00-0057		MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,135.69	448.65
27 15 23 00-0058		MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,517.01	448.65
27 15 23 00-0059		MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,114.78	448.65
27 15 23 00-0060		MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,456.32	523.44
27 15 23 00-0061		MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,129.98	523.44
27 15 23 00-0062		MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,450.05	523.44
27 15 23 00-0063		MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,037.73	523.44
27 15 23 00-0064			50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0065		MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,352.45	448.65
27 15 23 00-0066		MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,858.40	448.65
27 15 23 00-0067		MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,692.59	448.65
27 15 23 00-0068		MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,932.44	448.65
27 15 23 00-0069		MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,447.31	448.65
27 15 23 00-0070		MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,280.50	523.44
27 15 23 00-0071		MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,138.62	523.44
27 15 23 00-0072		MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,409.01	523.44
27 15 23 00-0073		MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,863.16	523.44
27 15 23 00-0074			62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0075		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,432.68	448.65
27 15 23 00-0076		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,963.93	448.65
27 15 23 00-0077		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,839.84	448.65
27 15 23 00-0078		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,141.68	448.65
27 15 23 00-0079		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,682.29	448.65
27 15 23 00-0080		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,600.91	523.44
27 15 23 00-0081		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,551.93	523.44
27 15 23 00-0082		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,885.84	523.44
27 15 23 00-0083		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,612.69	523.44
27 15 23 00-0084			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*		
27 15 23 00-0085			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*		
27 15 23 00-0086			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0087		MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,110.15	448.65
27 15 23 00-0088		MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,115.62	448.65
27 15 23 00-0089		MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,402.70	448.65
27 15 23 00-0090		MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,436.29	448.65
			For Aluminum Armored Cable, Add	*1,256.02*	
			For Steel Armored Cable, Add	*4,973.19*	
27 15 23 00-0091		MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,605.40	448.65
27 15 23 00-0092		MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,637.03	448.65
			For Aluminum Armored Cable, Add	*1,326.10*	
			For Steel Armored Cable, Add	*5,309.90*	
27 15 23 00-0093		MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,771.44	523.44
27 15 23 00-0094		MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,858.58	523.44
			For Aluminum Armored Cable With Sub-Units, Add	*1,084.57*	
			For Steel Armored Cable, Add	*5,001.91*	
27 15 23 00-0095		MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,736.11	523.44
27 15 23 00-0096		MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,938.81	523.44
			For Aluminum Armored Cable With Sub-Units, Add	*1,662.87*	
			For Steel Armored Cable, Add	*5,865.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0097		MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,588.36	523.44
27 15 23 00-0098		MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,349.57	523.44
27 15 23 00-0099		MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,009.70	523.44
27 15 23 00-0100	50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*				
27 15 23 00-0101		MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,097.06	448.65
27 15 23 00-0102		MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,720.64	448.65
27 15 23 00-0103		MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,316.62	448.65
27 15 23 00-0104		MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,924.56	448.65
	For Aluminum Armored Cable, Add			*-184.38*	
	For Steel Armored Cable, Add			*187.44*	
27 15 23 00-0105		MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,507.08	448.65
27 15 23 00-0106		MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,013.20	448.65
	For Aluminum Armored Cable, Add			*-477.57*	
	For Steel Armored Cable, Add			*-55.49*	
27 15 23 00-0107		MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,134.00	523.44
27 15 23 00-0108		MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,456.92	523.44
	For Aluminum Armored Cable With Sub-Units, Add			*2,550.22*	
	For Steel Armored Cable, Add			*5,947.85*	
27 15 23 00-0109		MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,749.18	523.44
27 15 23 00-0110		MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,041.44	523.44
	For Aluminum Armored Cable With Sub-Units, Add			*7,572.77*	
27 15 23 00-0111		MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,333.70	523.44
27 15 23 00-0112		MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,625.96	523.44
27 15 23 00-0113		MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	35,241.14	523.44
	For Aluminum Armored Cable With Sub-Units, Add			*15,145.55*	
27 15 23 00-0114	62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*				
27 15 23 00-0115		MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,114.53	448.65
27 15 23 00-0116		MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,769.29	448.65
27 15 23 00-0117		MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,395.06	448.65
27 15 23 00-0118		MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,033.40	448.65
27 15 23 00-0119		MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,645.05	448.65
27 15 23 00-0120		MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,176.47	448.65
27 15 23 00-0121		MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,347.08	523.44
27 15 23 00-0122		MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,886.15	523.44
27 15 23 00-0123		MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,393.02	523.44
27 15 23 00-0124		MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,899.89	523.44
27 15 23 00-0125		MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	23,406.76	523.44
27 15 23 00-0126		MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	27,913.64	523.44
27 15 23 00-0127		MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	36,959.58	523.44
27 15 23 00-0128	Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*				
27 15 23 00-0129	Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*				
27 15 23 00-0130		MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,084.22	448.65
27 15 23 00-0131		MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,526.11	448.65
27 15 23 00-0132		MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,588.41	448.65
27 15 23 00-0133		MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,629.51	448.65
27 15 23 00-0134		MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,291.07	448.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,387.74	523.44
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,963.26	523.44
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,093.27	523.44
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,566.46	523.44
27 15 23 00-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,247.04	448.65
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,852.99	448.65
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,719.55	448.65
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,180.51	448.65
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,446.92	448.65
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,819.66	523.44
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	23,325.24	523.44
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	25,759.20	523.44
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	41,342.28	523.44
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,522.01	448.65
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,208.25	448.65
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,218.14	448.65
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,752.15	448.65
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,131.87	448.65
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,767.03	523.44
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	24,447.88	523.44
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	27,003.54	523.44
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	43,365.77	523.44
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,320.16	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,417.54	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,450.06	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,565.85	598.22
		For Aluminum Armored Cable, Add	*1,283.52*	
		For Steel Armored Cable, Add	*1,466.02*	
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,599.05	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,799.74	598.22
		For Aluminum Armored Cable, Add	*1,412.60*	
		For Steel Armored Cable, Add	*1,518.20*	
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,895.73	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,967.76	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*1,839.80*	
		For Steel Armored Cable, Add	*1,878.60*	
		For Work In Restricted Working Space, Add	*336.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,782.50	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.49*	
		For Steel Armored Cable, Add	*1,610.56*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,940.52	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*2,034.91*	
		For Steel Armored Cable, Add	*1,688.23*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,937.01	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,202.01	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,595.90	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,116.68	747.77
		For Work In Restricted Working Space, Add	*373.88*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,017.48	747.77
		For Work In Restricted Working Space, Add	*373.88*	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,348.20	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,471.04	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,752.48	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,048.74	598.22
		For Aluminum Armored Cable, Add	*937.78*	
		For Steel Armored Cable, Add	*1,242.26*	
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,330.19	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,907.90	598.22
		For Aluminum Armored Cable, Add	*902.31*	
		For Steel Armored Cable, Add	*1,299.04*	
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,180.66	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,269.29	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*952.11*	
		For Steel Armored Cable, Add	*952.11*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,343.11	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,416.93	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*1,699.05*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,490.75	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,564.57	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,727.02	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*7,317.62*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,999.29	747.77
		For Work In Restricted Working Space, Add	*373.88*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,146.93	747.77
		For Work In Restricted Working Space, Add	*373.88*	
27 15 23 00-0194		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,365.76	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,494.74	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,790.26	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,101.33	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,396.85	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,003.44	598.22
		For Work In Restricted Working Space, Add	*299.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,283.61	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,476.67	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,654.18	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,831.69	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,009.21	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,186.72	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,557.29	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,036.94	747.77
		For Work In Restricted Working Space, Add	*373.88*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,391.97	747.77
		For Work In Restricted Working Space, Add	*373.88*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,222.74	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,585.94	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,384.94	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,766.26	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,364.03	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,705.57	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,379.23	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,699.30	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,286.98	672.99
		For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,601.70	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,107.65	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,941.84	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,181.69	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,696.56	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,529.75	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,387.87	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,658.26	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,112.41	672.99
		For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,681.93	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,213.18	598.22
		For Work In Restricted Working Space, Add	*299.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0234		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,089.09	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0235		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,390.93	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0236		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,931.54	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0237		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,850.16	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0238		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,801.18	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0239		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,135.09	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0240		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,861.94	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0241			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0242			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*		
27 15 23 00-0243			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0244		MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,359.40	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0245		MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,364.87	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0246		MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,651.95	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0247		MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,685.54	598.22
			For Aluminum Armored Cable, Add	*1,256.02*	
			For Steel Armored Cable, Add	*4,973.19*	
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0248		MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,854.65	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0249		MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,886.28	598.22
			For Aluminum Armored Cable, Add	*1,326.10*	
			For Steel Armored Cable, Add	*5,309.90*	
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0250		MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,020.69	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0251		MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,107.83	672.99
			For Aluminum Armored Cable With Sub-Units, Add	*1,084.57*	
			For Steel Armored Cable, Add	*5,001.91*	
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0252		MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,985.36	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0253		MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,188.06	672.99
			For Aluminum Armored Cable With Sub-Units, Add	*1,662.87*	
			For Steel Armored Cable, Add	*5,865.24*	
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0254		MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,837.61	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0255		MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,598.82	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0256		MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,258.95	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0257			50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0258		MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,346.31	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0259		MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,969.89	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0260		MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,565.87	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0261		MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,173.81	598.22
			For Aluminum Armored Cable, Add	*-184.38*	
			For Steel Armored Cable, Add	*187.44*	
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0262		MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,756.33	598.22
			For Work In Restricted Working Space, Add	*299.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,262.45	598.22
		For Aluminum Armored Cable, Add	*-477.57*	
		For Steel Armored Cable, Add	*-55.49*	
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,383.25	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,706.17	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*2,550.22*	
		For Steel Armored Cable, Add	*5,947.85*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,998.43	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,290.69	672.99
		For Aluminum Armored Cable With Sub-Units, Add	*7,572.77*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,582.95	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,875.21	672.99
		For Work In Restricted Working Space, Add	*336.50*	
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	35,490.39	672.99
		For Work In Restricted Working Space, Add	*336.50*	
		For Aluminum Armored Cable With Sub-Units, Add	*15,145.55*	
		For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,363.78	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,018.54	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,644.31	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,282.65	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,894.30	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,425.72	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,596.33	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,135.40	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,642.27	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,149.14	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,656.01	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,162.89	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	37,208.83	672.99
		For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,333.47	598.22
		For Work In Restricted Working Space, Add	*299.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0288	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,775.36	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0289	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,837.66	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0290	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,878.76	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0291	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,540.32	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0292	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,636.99	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0293	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,212.51	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0294	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,342.52	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0295	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,815.71	672.99
			For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,496.29	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0298	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,102.24	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0299	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,968.80	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0300	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,429.76	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0301	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,696.17	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0302	MLF		18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,068.91	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0303	MLF		24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,574.49	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0304	MLF		36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,008.45	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0305	MLF		48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	41,591.53	672.99
			For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,771.26	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,457.50	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,467.39	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,001.40	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,381.12	598.22
			For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,016.28	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	24,697.13	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,252.79	672.99
			For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	43,615.02	672.99
			For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,539.21	448.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,609.60	448.65
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,030.11	523.44
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,508.63	523.44

27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,835.33	448.65
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,651.27	448.65
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	7,158.12	523.44
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	12,351.07	523.44

27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,788.46	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,858.85	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,279.36	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,757.88	672.99
		For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,084.58	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,900.52	598.22
		For Work In Restricted Working Space, Add	*299.11*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,407.37	672.99
		For Work In Restricted Working Space, Add	*336.50*	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,600.32	672.99
		For Work In Restricted Working Space, Add	*336.50*	

27 15 23 00-0338 Outdoor Fiber Optic Cable *(27 15 23)*

Note: Cable buried in trench excludes excavation.

27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Excludes conduit or innerduct.

27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,075.48	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.28*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,110.74	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*285.63*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,146.06	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.90*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,181.35	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.66*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,251.48	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*263.01*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,394.93	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.03*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,468.66	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.68*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,491.41	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*269.63*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,913.41	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,146.07	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.61*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,447.93	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*350.57*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,979.34	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.58*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,559.99	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*408.71*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,167.69	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*273.59*	
27 15 23 00-0356		50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,894.13	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.10*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,973.51	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.65*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,139.83	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*107.74*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,366.63	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-65.42*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,461.13	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.76*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,782.43	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.39*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,462.83	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-88.94*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,464.53	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-0.08*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,579.63	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-203.39*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,354.53	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-102.28*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,356.23	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*469.28*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,680.93	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-210.64*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,986.73	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-281.69*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	15,292.53	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*-334.85*	
27 15 23 00-0371		62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*		
27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,830.77	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*121.14*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,947.24	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*129.91*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,063.53	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*138.47*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,207.19	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*157.64*	
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,412.93	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.38*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,776.68	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*175.19*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,121.25	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*201.47*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,780.70	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.88*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,552.03	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*257.42*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,264.45	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.00*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,016.38	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*313.52*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,537.17	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*352.51*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,082.38	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*400.06*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,651.44	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*367.48*	
27 15 23 00-0386		Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*		
27 15 23 00-0387		Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*		
27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,277.44	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,346.21	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*321.31*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,366.86	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*307.93*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,449.24	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*256.34*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,474.95	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.37*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,590.40	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.57*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,693.92	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*294.02*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,859.06	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*372.85*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,091.72	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*377.71*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,323.48	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*391.31*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,637.68	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.59*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,145.92	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*438.97*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,810.83	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*432.24*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,354.94	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*345.27*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,509.29	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*316.80*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,750.06	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*177.41*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,066.86	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*38.02*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,218.92	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*63.36*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,370.99	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*63.36*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,725.80	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*76.03*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,042.60	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.46*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,726.89	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*570.24*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,411.18	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*950.40*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,981.42	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,045.44*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,729.07	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,330.56*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,287.72	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,964.16*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,073.39	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,482.62*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,088.23	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,611.52*	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,909.41	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.06*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,023.46	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.38*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,137.32	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.68*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,251.37	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.97*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,546.80	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*203.26*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,836.50	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*238.19*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,191.47	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*258.71*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,878.56	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*319.65*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,578.50	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.23*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,280.85	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*407.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,019.35	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*454.78*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,517.98	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.25*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,452.28	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*554.35*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,585.85	897.32
		For Corrugated Coated Steel Tape Armored Cable, Add	*572.27*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,950.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.28*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,986.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*285.63*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,021.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.90*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,056.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.66*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,126.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*263.01*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,270.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.03*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,344.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.68*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,366.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*269.63*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,788.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.64*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,318.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.61*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,673.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*350.57*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,854.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.58*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,435.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*408.71*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,043.06	
		For Corrugated Coated Steel Tape Armored Cable, Add	*273.59*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,769.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.10*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,848.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.65*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,015.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*107.74*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,242.00	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-65.42*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,336.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.76*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,657.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.39*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,338.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-88.94*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,339.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-0.08*	
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,455.00	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-203.39*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,229.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-102.28*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,231.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*469.28*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,556.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-210.64*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,862.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-281.69*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,167.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-334.85*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,706.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*121.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,822.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*129.91*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,938.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*138.47*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,082.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*157.64*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,288.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.38*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,652.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*175.19*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,996.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*201.47*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,656.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.88*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,427.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*257.42*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,139.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.00*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,891.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*313.52*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,412.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*352.51*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,957.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*400.06*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,526.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*367.48*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,152.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.86*	
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,221.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*321.31*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,242.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*307.93*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,324.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*256.34*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,350.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.37*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,465.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.57*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,569.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*294.02*	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,734.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*372.85*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,967.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*377.71*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,198.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*391.31*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,513.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.59*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,021.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*438.97*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,686.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*432.24*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,230.31	
		For Corrugated Coated Steel Tape Armored Cable, Add	*345.27*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,384.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*316.80*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,625.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*177.41*	
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,942.23	
		For Corrugated Coated Steel Tape Armored Cable, Add	*38.02*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,094.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*63.36*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,246.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*63.36*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,601.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*76.03*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,917.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.46*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,602.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*570.24*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,286.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*950.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,856.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,045.44*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,604.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,330.56*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,163.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,964.16*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,948.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,482.62*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,963.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,611.52*	
27 15 23 00-0510		62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*		
27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,784.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.06*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,898.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*164.38*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,012.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*176.68*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,126.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.97*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,422.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*203.26*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,711.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*238.19*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,066.84	
		For Corrugated Coated Steel Tape Armored Cable, Add	*258.71*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,753.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*319.65*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,453.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.23*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,156.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*407.82*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,894.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*454.78*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,393.35	
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.25*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,989.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*554.35*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,461.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*572.27*	
27 15 23 00-0525		(Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*		
27 15 23 00-0526		Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*		
27 15 23 00-0527		Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*		
27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,730.45	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.47*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,765.49	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.38*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,801.00	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*199.15*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,836.05	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*195.34*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,906.16	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*227.73*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,044.62	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*236.75*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,150.21	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*261.68*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,401.27	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.91*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,620.82	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.49*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,802.32	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*279.52*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,028.74	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*319.58*	
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,622.96	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*324.58*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,260.50	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.31*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	12,413.34	3,347.48
		For Corrugated Coated Steel Tape Armored Cable, Add	*415.88*	
27 15 23 00-0542		Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0543		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*		
27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,943.43	747.77
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,969.37	747.77
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,254.80	747.77
27 15 23 00-0547		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*		
27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,251.97	747.77
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,834.99	747.77
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,385.31	747.77
27 15 23 00-0551		Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)* Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*		
27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,818.80	685.45
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,844.74	685.45
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,130.17	685.45
27 15 23 00-0556		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*		
27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,127.34	685.45
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,710.36	685.45
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,260.68	685.45
27 15 33		**Communications Coaxial Horizontal Cabling** *(27 15)* Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001		Indoor Coaxial Cable *(27 15 33)*		
27 15 33 00-0002		Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*		
27 15 33 00-0003		Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0002)*		
27 15 33 00-0004	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,873.10	523.44
27 15 33 00-0005	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,727.42	523.44
27 15 33 00-0006	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,478.90	598.22
27 15 33 00-0007	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	5,976.43	598.22
27 15 33 00-0008		Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0002)*		
27 15 33 00-0009	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,745.48	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 33 00-0010	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	5,599.80	1,046.87
		For Work In Restricted Working Space, Add	*523.43*	
27 15 33 00-0011	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	2,475.92	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 33 00-0012	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	6,973.45	1,196.42
		For Work In Restricted Working Space, Add	*598.21*	
27 15 33 00-0013		Coaxial Distribution Cable *(27 15 33 00-0001)* Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0014	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,219.90	364.36
27 15 33 00-0015	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,821.48	364.36
27 15 33 00-0016	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,577.11	384.86
27 15 33 00-0017	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,380.70	384.86
27 15 33 00-0018	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,349.23	455.45
27 15 33 00-0019	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,837.23	455.45
27 15 33 00-0020	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	23,762.89	637.63
27 15 33 00-0021	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,328.37	318.82
27 15 33 00-0022	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,685.76	318.82
27 15 33 00-0023	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,315.33	318.82
27 15 33 00-0024	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,224.65	637.63
27 15 33 00-0025	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	3,998.08	318.82
27 15 33 00-0026	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	10,097.87	637.63
27 15 33 00-0027	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,173.87	455.45

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0028		Outdoor Coaxial Cable *(27 15 33)*		
27 15 33 00-0029		Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*		
		Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	8,235.91	1,704.76
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	5,036.29	1,199.09
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,639.55	707.43
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,136.05	707.43
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	3,130.94	1,105.38
27 15 43		**Communications Faceplates and Connectors** *(27 15)*		
27 15 43 00-0001		Wall Mounted Telephone Faceplates *(27 15 43)*		
		Note: Includes standard telephone mounting studs.		
27 15 43 00-0002		Plastic Faceplates For Wall Mounted Telephones *(27 15 43 00-0001)*		
27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	44.24	15.57
27 15 43 00-0004		Stainless Steel Faceplates For Wall Mounted Telephones *(27 15 43 00-0001)*		
27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	34.93	6.23
		Note: Requires one snap-in modular jack.		
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	61.49	15.57
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	71.66	18.69
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	33.62	6.23
		Note: Requires one snap-in modular jack.		
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	55.95	15.57
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	66.27	18.69
27 15 43 00-0011		Plastic Communications Faceplates *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	9.85	3.12
27 15 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	9.85	3.12
27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	9.85	3.12
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	9.85	3.12
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	9.85	3.12
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	17.21	3.12
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	17.21	3.12
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	17.21	3.12
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	17.21	3.12
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	17.21	3.12
27 15 43 00-0022		Stainless Steel Communications Faceplates *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0023		Stainless Steel Communications Faceplates *(27 15 43 00-0022)*		
27 15 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	18.59	3.12
27 15 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	18.59	3.12
27 15 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	18.59	3.12
27 15 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	19.88	3.12
27 15 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	19.88	3.12
27 15 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	26.77	3.12
27 15 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	27.58	3.12
27 15 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	31.91	3.12
27 15 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	31.91	3.12
27 15 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	31.91	3.12
27 15 43 00-0034		Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0022)*		
27 15 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.61	3.12
27 15 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.61	3.12
27 15 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.61	3.12
27 15 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.61	3.12
27 15 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.61	3.12
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.25	3.12
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.25	3.12
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.25	3.12
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	57.25	3.12
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.25	3.12
27 15 43 00-0045		Surface Mount Plastic Communication Boxes *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0046	EA	One Port, Surface Mount Plastic Communication Box With Station ID	35.78	15.60
27 15 43 00-0047	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	36.58	15.60
27 15 43 00-0048	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	42.12	15.60
27 15 43 00-0049	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	48.70	15.60
27 15 43 00-0050	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	55.59	15.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0051		**Snap-In Modular Jacks** *(27 15 43)*		
		Note: Includes termination.		
27 15 43 00-0052	EA	Cat 3, Snap-In Modular Jack	34.10	12.49
27 15 43 00-0053	EA	Category 5E, Snap-In Modular Jack	35.87	12.49
27 15 43 00-0054	EA	Category 5E Shielded, Snap-In Modular Jack	41.16	12.49
27 15 43 00-0055	EA	Cat 6, Snap-In Modular Jack	41.16	12.49
27 15 43 00-0056	EA	Cat 6 Shielded, Snap-In Modular Jack	47.10	12.49
27 15 43 00-0057	EA	Cat 6A, Snap-In Modular Jack	48.00	12.49
27 15 43 00-0058	EA	Voice, RJ-11, Snap-In Modular Jack	25.07	6.24
27 15 43 00-0059	EA	SC Type Fiber Optic, Snap-In Modular Jack	38.11	12.49
27 15 43 00-0060	EA	ST Type Fiber Optic, Snap-In Modular Jack	42.61	12.49
27 15 43 00-0061	EA	LC Type Fiber Optic, Snap-In Modular Jack	51.43	12.49
27 15 43 00-0062	EA	Blank Fill In, Snap-In Modular Jack	7.07	3.12
27 15 43 00-0063	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	8.45	3.12
27 15 43 00-0064	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	28.51	9.36
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*1.71*	
27 15 43 00-0065	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	28.83	9.36
		Note: Includes female to female connection.		
27 15 43 00-0066	EA	RCA Solder Coupler, Snap-In Modular Jack	57.47	12.49
27 15 43 00-0067	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	70.46	12.49
27 15 43 00-0068	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	35.39	12.49
27 15 43 00-0069	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	37.32	6.24
27 15 43 00-0070	EA	BNC Connector, Snap-In Modular Jack	40.68	12.49
27 15 43 00-0071	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	45.49	12.49
27 15 43 00-0072	PR	Speaker Connectors, Snap-In Modular Jack	64.20	18.72
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0073	EA	USB Audio Video Connector, Snap-In Modular Jack	67.63	12.49
27 15 53		**Communications Cable Innerduct** *(27 15)*		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		**Indoor Innerduct** *(27 15 53)*		
27 15 53 00-0002		**Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0001)*		
27 15 53 00-0003		**Riser Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	4,936.85	1,869.41
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	6,387.04	2,492.55
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	8,499.97	3,115.69
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	9,924.67	3,738.83
27 15 53 00-0008		**Plenum Rated, Indoor Innerduct, Installed In Conduit** *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,333.62	1,246.28
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,212.90	1,869.41
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	10,373.02	2,492.55
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	13,332.78	3,115.69
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	16,045.02	3,738.83
27 15 53 00-0014		**Indoor Innerduct, Installed Exposed** *(27 15 53 00-0001)*		
27 15 53 00-0015		**Riser Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	6,183.12	2,492.55
		For Work In Restricted Working Space, Add	*1,495.53*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	7,633.32	3,115.69
		For Work In Restricted Working Space, Add	*1,869.41*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	9,746.24	3,738.83
		For Work In Restricted Working Space, Add	*2,243.30*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	11,170.94	4,361.96
		For Work In Restricted Working Space, Add	*2,617.18*	
27 15 53 00-0020		**Plenum Rated, Indoor Innerduct, Installed Exposed** *(27 15 53 00-0014)*		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	8,579.89	1,869.41
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	9,459.17	2,492.55
		For Work In Restricted Working Space, Add	*1,495.53*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	11,619.30	3,115.69
		For Work In Restricted Working Space, Add	*1,869.41*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	14,579.05	3,738.83
		For Work In Restricted Working Space, Add	*2,243.30*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	17,291.29	4,361.96
		For Work In Restricted Working Space, Add	*2,617.18*	
27 15 53 00-0026		**Outdoor Innerduct** *(27 15 53)*		
27 15 53 00-0027		**Outdoor Innerduct, Installed In Conduit** *(27 15 53 00-0026)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	4,630.97	1,869.41
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	5,935.98	2,492.55
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	7,587.94	3,115.69
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	9,061.58	3,738.83
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*		
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	3,384.69	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	4,689.71	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	6,341.66	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	7,815.31	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001		Fiber Optic Receivers *(27 16 16)*		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	1,006.35	62.31
27 16 16 00-0003		Fiber Optic Transmitters *(27 16 16)*		
27 16 16 00-0004	EA	Fiber Optic Transmitter, Range 6.2 Miles	1,006.34	62.31
27 16 16 00-0005		Fiber Optic Repeaters *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,130.97	124.63
27 16 16 00-0007	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,770.14	249.26
27 16 16 00-0008		Fiber Optic Transceivers *(27 16 16)*		
27 16 16 00-0009	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,172.04	249.26
27 16 16 00-0010	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,172.04	249.26
27 16 16 00-0011	EA	Fiber Optic Ethernet Transceiver	1,541.62	373.88
27 16 16 00-0012	EA	Transceiver (Low Cost Bi- Directional)	564.18	93.47

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire *(27 16)*

27 16 19 00-0001		Cross Connect Wire *(27 16 19)*		
		Note: Up to 20' length.		
27 16 19 00-0002	EA	2-Pair Cross Connect Wire	19.70	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	26.37	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	32.98	
27 16 19 00-0005		Fiber Optic Patch Cords *(27 16 19)*		
27 16 19 00-0006		Simplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0007		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0006)*		
27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	56.19	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	45.63	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	59.36	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	48.04	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	55.75	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	54.89	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0014		Duplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0015		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*		
27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.63	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	95.66	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	106.24	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	82.37	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	97.76	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	96.07	
		For Each Additional Meter In Length, Add	*0.51*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0022		**Multimode, Duplex Fiber Optic Patch Cables** *(27 16 19 00-0014)*		
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	74.23	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	81.13	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	81.84	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.05	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	74.52	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.44	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	99.41	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	68.16	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.15	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0032		**Fiber Optic Cable Pig Tail** *(27 16 19)*		
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	86.51	43.62
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	111.56	43.62
27 16 19 00-0035		**Ethernet Patch Cords** *(27 16 19)*		
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	16.55	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	18.08	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	19.62	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	28.54	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	35.83	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	47.47	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	18.37	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots	22.25	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots	22.32	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots	26.70	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots	35.25	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots	44.32	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots	69.84	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots	121.90	
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots	22.52	
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots	23.87	
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots	24.87	
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots	29.50	
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots	36.31	
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots	44.98	
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots	64.44	
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots	112.55	
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch	16.55	
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch	18.08	
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch	19.62	
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch	28.54	
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch	35.83	
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch	47.47	
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch	18.37	
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch	22.25	
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch	22.32	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch	26.70	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch	35.25	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch	44.32	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch	34.15	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch	36.45	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch	38.18	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch	43.88	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch	53.32	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch	68.18	
27 16 19 00-0076	EA	3' Length, Category 6, Exterior Grade Patch Cable With Boots	62.19	
27 16 19 00-0077	EA	5' Length, Category 6, Exterior Grade Patch Cable With Boots	69.04	
27 16 19 00-0078	EA	7' Length, Category 6, Exterior Grade Patch Cable With Boots	75.89	
27 16 19 00-0079	EA	10' Length, Category 6, Exterior Grade Patch Cable With Boots	89.29	
27 16 19 00-0080	EA	15' Length, Category 6, Exterior Grade Patch Cable With Boots	109.55	
27 16 19 00-0081	EA	25' Length, Category 6, Exterior Grade Patch Cable With Boots	143.80	
27 16 19 00-0082	EA	50' Length, Category 6, Exterior Grade Patch Cable With Boots	229.44	
27 16 19 00-0083	EA	100' Length, Category 6, Exterior Grade Patch Cable With Boots	406.95	
27 16 19 00-0084	EA	3' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.	126.18	
27 16 19 00-0085	EA	5' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.	135.84	
27 16 19 00-0086	EA	7' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.	145.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0087	EA	10' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.	155.10	
27 16 19 00-0088	EA	15' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.	167.52	
27 16 19 00-0089	EA	20' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®) Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.	177.05	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001 Fiber Optic Modems *(27 21 16)*

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	1,968.03	249.26
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	3,804.94	249.26

27 21 16 00-0004 Ethernet Hubs and Switches *(27 21 16)*

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,119.83	187.24
27 21 16 00-0006	EA	16 Port Unmanaged Hub	621.53	124.83
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,676.57	124.83
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,680.37	62.41

27 21 16 00-0009 Network Equipment *(27 21 16)*

27 21 16 00-0010 Communications Entrance Protection *(27 21 16 00-0009)*

27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	1,173.52	93.62
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.15	1.24

27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures *(27 21 16 00-0009)*

27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,426.06	93.62
		For Fan Kit (Chatsworth 12804-701), Add	*199.00*	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,305.76	6.24

27 21 16 00-0016 Communications Termination Blocks And Patch Panels *(27 21 16 00-0009)*

27 21 16 00-0017 Communications Termination Blocks *(27 21 16 00-0016)*

27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	363.77	18.69
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	338.50	18.69
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	812.25	18.69
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	755.41	18.69
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593)	113.61	18.69
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585)	122.80	18.69
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816)	139.98	18.69

27 21 16 00-0025 Communications Copper Patch Panels *(27 21 16 00-0016)*

Note: Excludes cabinet and terminations.

27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	358.65	40.57
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	654.90	49.93
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	531.79	40.57
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	993.97	49.93

27 21 16 00-0030 Communications Optical Fiber Patch Panels *(27 21 16 00-0016)*

27 21 16 00-0031 Closet Connector Housings *(27 21 16 00-0030)*

27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	513.61	24.96
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	601.31	24.96
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	752.52	24.96
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	128.93	12.49
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	175.44	12.49
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	145.35	12.49
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	190.47	12.49

27 21 16 00-0039 Communications Cable Management *(27 21 16 00-0009)*

27 21 16 00-0040 Horizontal Communication Cable Management *(27 21 16 00-0039)*

27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	161.08	24.96
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	166.84	24.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0043		Vertical Communication Cable Management *(27 21 16 00-0039)*		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	999.14	62.41
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,036.43	62.41
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,120.33	62.41
27 21 16 00-0047		Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 21 16 00-0009)*		
27 21 16 00-0048		Premise Cross-Connect Wire *(27 21 16 00-0047)*		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.28	0.62
27 21 16 00-0050		Pathways For Communications Systems *(27 21 16 00-0009)*		
27 21 16 00-0051		Conduits And Backboxes For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0052		Flexible Conduit For Communication Systems *(27 21 16 00-0051)*		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	558.31	224.33
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	859.57	224.33
27 21 16 00-0055		Tube Cables For Communication Systems *(27 21 16 00-0051)*		
27 21 16 00-0056		Outdoor/All-Dielectric Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	447.44	149.55
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	671.72	186.94
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	1,126.56	224.33
27 21 16 00-0060		Indoor/Riser Rated Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	516.03	149.55
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	632.93	168.25
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	719.35	186.94
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,341.89	224.33
27 21 16 00-0065		Indoor/Plenum Rated Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	373.12	149.55
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	548.43	149.55
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	853.97	168.25
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	1,251.00	186.94
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	3,942.94	224.33
27 21 16 00-0071		Unjacketed Single Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	319.76	149.55
27 21 16 00-0073		Multimode Fiber Bundles *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	139.57	44.87
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	213.88	44.87
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	293.92	44.87
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	537.82	44.87
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	780.85	52.34
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	1,024.76	52.34
27 21 16 00-0080		Singlemode Fiber Bundles *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	124.32	44.87
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	156.72	44.87
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	183.40	44.87
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	234.84	44.87
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	361.64	52.34
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	477.87	52.34
27 21 16 00-0087		Tube Distribution Cabinets *(27 21 16 00-0055)*		
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	273.02	62.41
27 21 16 00-0089		Modular Fiber Termination Cabinets *(27 21 16 00-0055)*		
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	347.74	62.41
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	371.37	62.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0092		Tube Distribution Accessories *(27 21 16 00-0055)*		
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	15.14	6.24
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	16.80	6.24
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	21.06	6.24
27 21 16 00-0096		Communications Optical Fiber Cabling *(27 21 16 00-0009)*		
27 21 16 00-0097		Communications Optical Fiber Cable Splicing And Terminations *(27 21 16 00-0096)*		
27 21 16 00-0098		Field Installed Fiber Connectors *(27 21 16 00-0097)*		
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	45.55	9.36
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	40.08	9.36
27 21 16 00-0101		Buffer Tube Fan-Out Kits *(27 21 16 00-0097)*		
27 21 16 00-0102		Buffer Tube Breakout Kits (Sumitomo) *(27 21 16 00-0101)* Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	272.13	124.63
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	277.84	124.63
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	282.89	124.63
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	298.58	124.63
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	320.03	124.63
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	335.96	124.63
27 21 16 00-0109		Buffer Tube Fan-Out Kits (Corning) *(27 21 16 00-0101)*		
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	274.78	124.63
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	331.39	124.63
27 21 16 00-0112		Communications Copper Cabling *(27 21 16 00-0009)*		
27 21 16 00-0113		Copper Communications Cable Splicing And Terminations *(27 21 16 00-0112)*		
27 21 16 00-0114		Copper Communications Cable Splice Cases *(27 21 16 00-0113)*		
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,233.51	249.26
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,443.59	249.26
27 21 16 00-0117	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,141.63	249.26
27 21 16 00-0118		Modular Splice Connectors *(27 21 16 00-0113)*		
27 21 16 00-0119	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	134.82	62.31
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	132.55	62.31
27 21 16 00-0121	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	134.87	62.31
27 21 16 00-0122	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	134.55	62.31
27 21 26		**Data Communications Network Management** *(27 21)*		
27 21 26 00-0001		Data Communications Network Management *(27 21 26)*		
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	694.04	31.16
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	533.11	31.16
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	745.72	31.16
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,172.05	31.16
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	108.46	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	517.19	18.69
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	860.79	31.16
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	5,110.20	399.44
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,650.74	399.44
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,118.77	149.55
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	601.43	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,022.91	149.55
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	28,292.25	149.55
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	666.78	12.49
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	4,890.50	15.57
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,241.13	15.57
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	75.80	6.24
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	243.33	62.31
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,722.41	149.55
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	791.33	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	25.25	6.24
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	330.29	15.57
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	822.56	15.60
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	120.49	6.24
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,407.74	149.55
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	794.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	703.81	15.57
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	714.89	15.57
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,520.54	149.55
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	387.32	15.60
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,819.66	15.60
27 21 26 00-0033	EA	Router (CISCO IR829)	1,628.39	62.41

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0051 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	141.69	6.23
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	156.68	6.23
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	185.70	6.23
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	194.61	6.23
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	212.38	7.79
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	201.99	6.23
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	253.50	7.79
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	67.33	7.79

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	4,997.50	186.94
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,005.06	186.94
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,005.06	186.94
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,956.20	186.94
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,295.25	209.31
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,423.82	209.31
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	9,760.78	209.31
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	9,760.78	209.31
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,002.16	69.77
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,030.18	69.77
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	188.91	34.89
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,740.97	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	621.60	62.31
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	515.16	62.31
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	91.31	24.92
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	80.52	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	46.99	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	330.28	62.31
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	332.34	62.31
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	453.71	62.41
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,146.68	93.62
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,467.04	93.62
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	82.26	18.69
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	311.20	69.77
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,020.85	69.77
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,023.29	62.41
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,551.02	62.31

27 30 Voice Communications *(27)*

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	7,732.09	1,138.85
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	929.00	93.10
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	470.41	99.82
27 32 13 00-0005	EA	Loud Ring Bell, 6"	368.75	92.60
27 32 13 00-0006	EA	Audio/Visual Indicator	470.64	87.24
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	490.54	78.27
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,424.37	638.46
27 32 13 00-0009	EA	Handset For 16 Station System	345.65	63.56
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	468.24	85.74
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	3,108.25	1,374.26
27 32 13 00-0012	EA	Power Supply For 16 Station System	432.37	169.61
27 32 13 00-0013	EA	Intercom Terminal Board	381.04	190.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	449.62	169.61
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	219.61	69.68
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	688.61	153.37
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	813.40	174.32
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	986.65	206.32
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,165.03	223.06
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,819.42	253.80
27 32 13 00-0021	EA	Ring Rung 3"	13.47	6.95
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	33.78	12.34
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	61.27	25.29

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	13.93	6.73
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	30.24	25.93
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	74.65	28.47
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	70.71	28.47
27 32 13 00-0029	EA	Terminating Strips, Inside	143.39	56.93
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	63.12	29.28
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	173.30	68.67
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	202.58	76.77
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	65.45	23.06
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	61.96	28.91
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	742.88	166.50
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	879.95	169.12
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	295.88	69.29
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	305.32	69.29
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	403.13	88.61
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	835.91	159.64
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,155.68	182.20
27 32 13 00-0042	EA	Gas Protection Module	18.00	6.23
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	31.08	5.69

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options: 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,539.72	511.65
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,139.15	511.65
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	199.81	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	299.72	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	749.29	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,019.03	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,118.94	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	19.98	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	19.98	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	179.83	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,898.20	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	879.17	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,847.30	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	5,984.32	
27 32 26 00-0016	EA	Active Venting Code Blue Option	319.70	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,787.36	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	699.34	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,588.49	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	69.93	

27 32 26 00-0021 City Police Call System *(27 32 26)*

27 32 26 00-0022 Components *(27 32 26 00-0021)*

27 32 26 00-0023	EA	City Police Call System	899.10	145.31
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	801.59	210.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*
See CSI section 26 05 13 16-0001 for basic wiring.

27 41 16 00-0002 Mounted Television Support *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	495.98	139.80
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	641.75	156.03
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	518.17	139.80
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	663.93	156.03
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	393.09	112.34
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	538.85	124.83
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	422.20	112.34
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	567.96	124.83
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	451.31	112.34
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	597.07	124.83

27 41 16 00-0013 Distribution System *(27 41 16 00-0001)*
See CSI section 26 05 13 16-0001 for wire and cabling.

27 41 16 00-0014 TV Distribution Rack *(27 41 16 00-0013)*

27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,756.01	229.19
27 41 16 00-0016	EA	Switch And Pilot Light	269.92	101.82
27 41 16 00-0017	LF	Surface Raceway With Outlets	32.22	13.83
27 41 16 00-0018	EA	Service Label	38.09	19.07

27 41 16 00-0019 Head End Amplifier *(27 41 16 00-0013)*

27 41 16 00-0020	EA	Head End Amplifier	1,171.57	152.55

27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*

27 41 16 00-0022	EA	UHF In-Line Booster	681.06	152.55

27 41 16 00-0023 Preamplifiers *(27 41 16 00-0013)*

27 41 16 00-0024	EA	VHF Preamplifier	853.78	152.55
27 41 16 00-0025	EA	UHF Preamplifier	681.06	152.55

27 41 16 00-0026 Power Supplies *(27 41 16 00-0013)*

27 41 16 00-0027	EA	Common Power Supply	1,219.68	217.97

27 41 16 00-0028 Line Splitter And Mixer *(27 41 16 00-0013)*

27 41 16 00-0029	EA	Line Splitter	103.87	50.85
27 41 16 00-0030	EA	Two-Way Splitter	117.62	50.85
27 41 16 00-0031	EA	Frequency Filter	262.87	76.39
27 41 16 00-0032	EA	Line Splitter And Mixer	317.24	112.16

27 41 16 00-0033 Power Line Filters *(27 41 16 00-0013)*

27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	511.72	101.82

27 41 16 00-0035 Wall Box And Receiver Outlets *(27 41 16 00-0013)*

27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	262.87	76.39
27 41 16 00-0037	EA	TV Receiver Outlet Plug	117.62	50.85
27 41 16 00-0038	EA	TV Camera Outlet Plug	117.62	50.85
27 41 16 00-0039	EA	Audio Outlet Plug	100.39	50.85
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	209.46	101.82
27 41 16 00-0041	EA	Male Plug PL-259	117.62	50.85
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	138.16	53.34

27 41 16 00-0043 Propritary Audio-Video Equipment And Accessories *(27 41 16 00-0001)*

27 41 16 00-0044	EA	ALS Antenna - Universal Kit (Listen Technologies LA-123)	69.44	
27 41 16 00-0045	EA	ALS Single Ear Bud (Listen Technologies LA-161)	26.04	
27 41 16 00-0046	EA	ALS stereo headphones (Listen Technologies LA-165)	46.67	
27 41 16 00-0047	EA	ALS Body Pack Display FM Receiver (Listen Technologies LR-4200-072)	389.63	
27 41 16 00-0048	EA	ALS RF Transmitter (Listen Technologies LT-800-72-01)	1,519.93	
27 41 16 00-0049	EA	200 watts 70V mono amplifier (Extron XPA 2001-70V)	812.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0050	EA	Single channel power amplifier (Extron MPA 601-70V)	581.05	
27 41 16 00-0051	EA	Ceiling Dante mic array (Shure MXA910)	10,356.75	
27 41 16 00-0052	EA	A910-HCM mount (Shure A910-HCM)	485.00	
27 41 16 00-0053	EA	6.5" Two-Way Ceiling Speakers, 70/100V, Pair (Extron SF 26CT)	304.40	
27 41 16 00-0054	EA	12x8 ProDSP Processor w/AEC, VoIP, and Dante (60-1513-10) (Extron DMP 128 C P AT)	4,494.25	
27 41 16 00-0055	EA	Four Channel wireless receiver (Shure ULXD4Q)	11,839.27	
27 41 16 00-0056	EA	Wireless handheld microphone (Shure ULXD2/B87A)	1,599.09	
27 41 16 00-0057	EA	UHF bodypack transmitter (Shure ULXD1-G50)	1,128.28	
27 41 16 00-0058	EA	Dante multi-element table mic (Shure MXA310)	2,027.26	
27 41 16 00-0059	EA	Omnidirectional lavalier microphone (Shure WL183)	215.10	
27 41 16 00-0060	EA	Throwable microphone (Catchbox Catchbox Pro)	809.69	
27 41 16 00-0061	EA	98" diagonal 4K display (Planar UR9851)	33,636.18	
27 41 16 00-0062	EA	AV USB bridge (Blackmagic Design BLWEBPTR)	1,004.49	
27 41 16 00-0063	EA	CABLE ADAPTER (Liberty AV Solutions DL-AR397)	109.79	
27 41 16 00-0064	EA	HDSDI 4K to HDMI converter (Blackmagic Design BLMCQSDHD4K2)	1,004.49	
27 41 16 00-0065	EA	DTP Receiver for HDMI (Extron DTP R HWP 4K 331 D)	936.80	
27 41 16 00-0066	EA	DTP Transmitter for HDMI - Decorator-Style (Extron DTP T HWP 4K 331 D)	818.20	
27 41 16 00-0067	EA	HDMI Decorator-Style Tx (Extron DTP T HWP 4K 331 D)	818.20	
27 41 16 00-0068	EA	Three Input Multi-Format Switcher with Integrated DTP Transmitter and Audio Embedding (Extron DTP T DSW 4K 333)	1,885.46	
27 41 16 00-0069	EA	Two Input DTP Transmitter for HDMI and DP with Audio Embedding - Decorator-Style Wallplate (Extron DTP T DWP 4K 332 D)	1,529.70	
27 41 16 00-0070	EA	Extron Cable Cubby 700 (Extron Cable Cubby 700)	830.08	
27 41 16 00-0071	EA	AC+USB 224 US US (2) AC & (2) USB Outlets w Integrated PS 60-1697-01 (Extron AC+USB 224 US Cord w 9.5' Cord)	459.03	
27 41 16 00-0072	EA	Retractor Series/2 VGA-A VGA and 3.5 mm Stereo; 3 feet (90 cm) 70-1065-11 (Extron Retractor VGA-A)	592.92	
27 41 16 00-0073	EA	Retractor Series/2 HDMI HDMI; 3 feet (90 cm) 70-1065-04 (Extron Retractor HDMI)	533.63	
27 41 16 00-0074	EA	DisplayPort-DisplayPort Mini DP to DP; 3 feet (90cm) 70-1065-18 (Extron Retractor MDP-DP)	529.65	
27 41 16 00-0075	EA	Retractor Series/2 Network Network CAT6e; 3 feet (90 cm) 70-1065-03 (Extron Retractor Network)	533.63	
27 41 16 00-0076	EA	Retractor Series/2 USB USB A to USB A; 3 feet (90 cm) 70-1065-05 (Extron Retractor USB)	533.63	
27 41 16 00-0077	EA	80" Interactive Display (SHARP PN-L802B)	26,354.40	
27 41 16 00-0078	EA	75" Infinity Board with PC (Interactive Touch display) (NEC 3720-INF2-75)	31,998.00	
27 41 16 00-0079	EA	70" LCD interactive display (Sharp PN-L703B)	14,532.34	
27 41 16 00-0080	EA	50"LED Display with integrated tuner (NEC E505)	3,043.91	
27 41 16 00-0081	EA	Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension (Extron IN1608 xi IPCP MA 70)	5,917.22	
27 41 16 00-0082	EA	Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension (Extron DTP CrossPoint 84 IPCP MA 70)	8,817.54	
27 41 16 00-0083	EA	Media Recorder (400 GB SSD) (Extron SMP 351 (60-1324-11))	7,934.69	
27 41 16 00-0084	EA	install Owner Furnished, Digital Signage Media Player (Janus Displays Digital Signage Media Player)	1,061.02	
27 41 16 00-0085	EA	Extron wireless presentation gateway (Extron ShareLink 250 W)	2,004.03	
27 41 16 00-0086	EA	eBUS Button Panel with 6 Buttons - Decorator-Style 1-Gang (Extron EBP 105 D)	426.90	
27 41 16 00-0087	EA	IP Link Pro Control Processor (Extron IPCP Pro 250)	1,411.13	
27 41 16 00-0088	EA	IP Link Pro Control Processor (3 Serial port) (Extron IPL Pro S3)	1,007.95	
27 41 16 00-0089	EA	10" Wall Mount Touchlink Pro Touchpanel (Extron TLP Pro 1025M)	2,858.26	
27 41 16 00-0090	EA	USB extender (Extron USB Extender Plus R)	818.20	
27 41 16 00-0091	EA	USB extender plus Receiver - Decorator-Style Version (Extron USB Extender Plus D R)	1,007.95	
27 41 16 00-0092	EA	USB extender (Extron USB Extender Plus T)	818.20	
27 41 16 00-0093	EA	OFE Keyboard with Touch pad (Logitech K400 plus 920-007119)	81.15	
27 41 16 00-0094	EA	Ofe mouse (LOGITECH M570)	61.88	
27 41 16 00-0095	EA	HD PTZ Cameras with IP, 3G/HD-SDI, HDMI (Marshall CV620-IP)	3,775.19	
27 41 16 00-0096	EA	PTZ camera with HDSDI output (Panasonic AW-HE40S)	6,978.17	
27 41 16 00-0097	EA	1x4 HDSDI DA (Extron MDA 4V HD-SDI RETIRED PRODUCT)	1,118.14	
27 41 16 00-0098	EA	Four Input 3G-SDI Switcher (Extron SW4 3G HD-SDI RETIRED PRODUCT)	1,975.40	
27 41 16 00-0099	EA	21.5" Monitor (1920x1080) (ASUS VP228)	180.60	
27 41 16 00-0100	EA	Wide-Throw Zoom Lens (Rtio 1.62-2.22:1) (EPSON ELPLW06)	5,882.91	
27 41 16 00-0101	EA	8000 Lumens Laser Projector (EPSON Pro L1300UNL Laser WUXGA 3LCD Projector)	20,361.71	
27 41 16 00-0102	EA	Pre-configured C5 Series Credenza, 2 Bay (Middle Atlantic C5+2 BAY)	3,116.99	
27 41 16 00-0103	EA	SANUS 1U Ultra Quiet Fan (SANUS CAFC01-B1)	223.20	
27 41 16 00-0104	EA	Low profile tilt adjustable flat panel wall (Chief Mfg XTM1U)	582.39	
27 41 16 00-0105	EA	Heavy Duty Flat Panel Wall Mount for 98" display (Planar Profie Mount (955-0566-00))	466.71	
27 41 16 00-0106	EA	Medium Fusion Micro-Adjustable Tilt Wall Mount (Chief MTM1U)	327.93	
27 41 16 00-0107	EA	Presentation lectern (Spectrum Furniture Honors Lectern (Quote #000203373-2))	7,852.53	
27 41 16 00-0108	EA	RPA series projector mount (Chief Mfg RPA Series)	344.18	
27 41 16 00-0109	EA	12RU Desktop Rack (Middle Atlantic BRK12)	462.69	

27 41 33 Master Antenna Television Systems *(27 41)*

27 41 33 00-0001 Antenna Systems *(27 41 33)*

27 41 33 00-0002 Antenna *(27 41 33 00-0001)*

27 41 33 00-0003	EA	Amateur Radio Antenna	1,107.98	186.94
27 41 33 00-0004	EA	Multi-Band Radio Antenna	860.55	186.94

27 41 33 00-0005 Receptacles *(27 41 33 00-0001)*

27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	245.62	76.39
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	245.62	76.39

27 50 Distributed Communications and Monitoring Systems *(27)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001 Video Intercom And Exterior Gate Control System *(27 51 17)*

27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,528.25	156.03
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,229.73	156.03
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	519.37	156.03
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,453.77	78.01
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	1,980.32	78.01
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	150.22	31.21
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,047.07	31.21
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,438.92	31.21
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	467.34	31.21
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	526.77	31.21
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	143.15	15.60
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	155.60	15.60
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,865.09	156.03
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	63.87	6.24
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	794.39	156.03
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	749.28	31.21
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	228.25	31.21
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	254.52	31.21
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	311.99	46.80
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	69.65	15.60

27 51 19 Sound Masking Systems *(27 51)*

27 51 19 00-0001 Sound Masking System *(27 51 19)*

27 51 19 00-0002	EA	Touch Screen Panel PC PoE 10" (Cambridge Sound Management DSTS10POE) Note: For Sound Masking	4,174.72	373.88
27 51 19 00-0003	EA	12 X 8 X 8 Channel Sound Masking Generator Controller (Cambridge Sound Management DS3008) Note: For Sound Masking	3,435.89	249.26
27 51 19 00-0004	EA	Netgear 24 Port PoE Switch (Cambridge Sound Management DSPoE24) Note: For Sound Masking	1,081.52	124.63
27 51 19 00-0005	EA	24 Port Patch Panel (Cambridge Sound Management DSPP24) Note: For Sound Masking	344.93	62.31
27 51 19 00-0006	EA	Network Sound Masking Processor (Cambridge Sound Management DS8000) Note: For Sound Masking	1,079.48	62.41
27 51 19 00-0007	EA	Network 6" Plenum Speakers White (Cambridge Sound Management DS1356W) Note: For Sound Masking	200.51	46.80
27 51 19 00-0008	EA	Caddy Clip Kit Universal Brackets White (Erico 2H4) Note: For Sound Masking	4.75	
27 51 19 00-0009	EA	Loudspeakers With Mounting Brackets (Cambridge Sound Management DS1398) Note: For Sound Masking	200.51	46.80
27 51 19 00-0010	EA	6U Wall Mount Rack (Cambridge Sound Management DSPPM-6-12) Note: For Sound Masking	506.69	62.41
27 51 19 00-0011	EA	8U Wall Mount Rack (Cambridge Sound Management DSPPM-8-12) Note: For Sound Masking	536.06	62.41

27 51 23 Intercommunications and Program Systems *(27 51)*

27 51 23 63 Detention Intercommunications and Program Systems *(27 51 23)*

27 51 23 63-0001	EA	Wall Mounted, Electronic Two-Way, Hands-Free Audio, Partition Communication System (Haven Technology, Corp SC-600) Note: Excludes 5 gang electrical backbox.	2,557.29	

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers *(27 51 43)*

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	563.13	124.83
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	798.12	124.83
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	948.96	124.83
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,056.58	124.83
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,317.36	124.83
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,707.32	124.83
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	67.69	6.24

27 51 43 00-0009 Splitters *(27 51 43)*

27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,410.81	93.47
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,076.58	93.47

27 51 43 00-0012 Speakers *(27 51 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	219.30	33.40
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	70.39	6.23
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	78.60	6.23
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	122.58	6.23
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	113.46	11.21
27 51 43 00-0018		Accessories *(27 51 43)*		
27 51 43 00-0019	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	329.63	15.60
27 51 43 00-0020	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	741.03	15.60
27 51 43 00-0021	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	187.27	31.21
27 51 43 00-0022	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	347.30	31.21
27 51 43 00-0023	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	253.74	31.16
27 51 43 00-0024	EA	Microphone Jack For Audio/Video System	117.14	31.21
27 51 43 00-0025	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	992.84	124.83
27 51 43 00-0026	EA	Volume Control For Audio/Video System (Bogen AT10A)	111.96	31.21
27 51 43 00-0027	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	78.39	31.21
27 51 43 00-0028		Removal And Reinstallation Of Speakers *(27 51 43)* Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0029	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	174.48	

27 52 Healthcare Communications and Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001 Wireless Equipment Nurses Call Systems *(27 52 23)*
Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.

27 52 23 00-0002 Wireless Nurses Call System *(27 52 23 00-0001)*

27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,513.69	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,439.94	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,021.82	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	4,870.00	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,380.42	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	3,890.68	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,016.35	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	492.16	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	33.54	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	718.42	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	718.42	
27 52 23 00-0014	EA	Remote Reset Button; S35R	697.35	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	489.16	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	42.56	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	600.50	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,914.39	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,219.82	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	945.97	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	945.97	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,174.68	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	1,999.93	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	3,980.70	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,182.04	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,791.40	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	19,728.74	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	87.92	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	78.89	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	36.76	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	19,479.41	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,016.51	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	39.55	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	75.67	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	39.55	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,618.03	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,214.93	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*

27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,707.09	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,573.77	

27 52 23 00-0041 Wireless Nurses Call Paging System *(27 52 23 00-0001)*

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	13,958.78	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	979.26	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,322.33	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,620.26	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	88.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0047		Equipment Nurses Call Systems *(27 52 23)*		
27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	295.99	64.81
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,211.25	259.23
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	310.87	84.74
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,513.42	249.26
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	769.12	194.42
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	406.69	64.81
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	384.82	64.81
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	586.67	113.41
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	174.00	49.85
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	159.92	49.85
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	115.97	32.40
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	167.98	49.85
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	261.29	32.40
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	126.57	32.40
27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	6,580.91	249.26
27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	1,062.12	194.55

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 13 Wireless Clock Systems *(27 53 13)*

27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) *(27 53 13 13)*

27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,048.89	93.47
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,511.36	93.47
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,580.38	93.47
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,042.85	93.47
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,165.40	

27 53 13 13-0008 Wireless Repeaters (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	1,969.00	62.31
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,205.74	62.31

27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0)	426.83	31.16
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	269.95	31.16
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0)	510.16	31.16
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	304.56	31.16

27 53 13 13-0016 Wireless GPS Accesories (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	84.67	24.92
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	119.49	24.92
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	1,023.05	54.53
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,817.62	77.89
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	635.66	6.23

27 53 13 13-0022 2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) *(27 53 13 13)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Mininum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Mininum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.

27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,350.06	93.47
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,380.80	93.47
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,652.96	93.47

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27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,683.70	93.47
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	182.05	24.92
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	182.05	24.92
27 53 13 13-0029	EA	Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP)	31.65	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	255.51	3.12
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	511.02	6.23
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	93.28	3.12
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	18.65	0.62
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	116.93	6.23
27 53 13 13-0035		2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) *(27 53 13 13)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	6,681.39	93.47
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,194.09	93.47
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	2,949.75	62.31
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1	1,695.06	62.31
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,165.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	1,566.87	
27 53 13 13-0042		Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) *(27 53 13 13)* Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant betwen the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	430.00	15.57
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	430.00	15.57
27 53 13 13-0045		Wire Guards For Wireless Synchronized Clocks (Sapling) *(27 53 13 13)*		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	238.34	15.57
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	331.76	15.57
27 53 13 13-0048		Wireless Synchronized Clock Transmitters *(27 53 13 13)*		
27 53 13 13-0049		Analog, Wireless Synchronized Clocks (Primex Traditional Series) *(27 53 13 13-0048)*		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	332.81	31.16
		For >100 To 250, Deduct	*-58.02*	
		For >250, Deduct	*-68.84*	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	603.30	31.16
		For >100 To 250, Deduct	*-39.08*	
		For >250, Deduct	*-47.20*	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	388.77	31.16
		For >100 To 250, Deduct	*-68.09*	
		For >250, Deduct	*-81.15*	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	379.44	31.16
		For >100 To 250, Deduct	*-66.41*	
		For >250, Deduct	*-79.10*	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock	696.58	31.16
		For >100 To 250, Deduct	*-44.21*	
		For >250, Deduct	*-53.73*	
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	435.41	31.16
		For >100 To 250, Deduct	*-50.37*	
		For >250, Deduct	*-65.29*	
27 53 13 13-0056		Digital, Wireless Synchronized Clocks (Primex Digital Series) *(27 53 13 13-0048)*		
27 53 13 13-0057		4-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*		
27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	491.37	31.16
		For Green LED, Add	*42.91*	
		For >100 To 250, Deduct	*-43.65*	
		For >250, Deduct	*-65.10*	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	920.44	31.16
		For Green LED, Add	*85.81*	
		For >100 To 250, Deduct	*-95.14*	
		For >250, Deduct	*-241.02*	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	547.34	31.16
		For Green LED, Add	*48.50*	
		For >100 To 250, Deduct	*-31.15*	
		For >250, Deduct	*-45.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	1,032.36	31.16
		For Green LED, Add	*97.01*	
		For >100 To 250, Deduct	*-86.93*	
		For >250, Deduct	*-271.24*	
27 53 13 13-0062		**6-Digit, Digital, Wireless Synchronized Clocks** *(27 53 13 13-0056)*		
27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	547.34	31.16
		For Green LED, Add	*48.50*	
		For >100 To 250, Deduct	*-36.00*	
		For >250, Deduct	*-51.52*	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	1,032.36	31.16
		For Green LED, Add	*97.01*	
		For >100 To 250, Deduct	*-78.20*	
		For >250, Deduct	*-183.94*	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock	640.61	31.16
		For Green LED, Add	*57.83*	
		For >100 To 250, Deduct	*-29.57*	
		For >250, Deduct	*-44.03*	
27 53 13 13-0066		**Wire Guards For Wireless Synchronized Clocks** *(27 53 13 13-0048)*		
27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	171.07	15.57
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	77.80	15.57
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	87.12	15.57
27 53 13 13-0070		**Wireless Synchronized Clock Transmitters** *(27 53 13 13-0048)* Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)	3,722.04	93.47
		For Roof Mounted GPS Receiver, Add	*540.05*	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	6,063.23	93.47
		For Roof Mounted GPS Receiver, Add	*774.17*	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	3,659.73	62.31
27 53 13 13-0074		**Accessories For Wireless Synchronized Clock Transmitters** *(27 53 13 13-0048)*		
27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	329.67	24.92
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	146.86	24.92
27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	221.40	12.47
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	187.30	31.16
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	261.36	46.73
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	385.80	62.31
27 53 13 16		**Wired Clock Systems** *(27 53 13)*		
27 53 13 16-0001		**Wired Self-Corrective Clock Systems** *(27 53 13 16)*		
27 53 13 16-0002		**Wired Self-Corrective Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0003		**Analog, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0004		**24 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	283.37	31.16
		For >50 To 100, Deduct	*-18.17*	
		For >100, Deduct	*-27.01*	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	677.92	31.16
		For >50 To 100, Deduct	*-33.95*	
		For >100, Deduct	*-58.58*	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	356.12	31.16
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-35.77*	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	896.18	31.16
		For >50 To 100, Deduct	*-92.71*	
		For >100, Deduct	*-126.07*	
27 53 13 16-0009		**120 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	283.37	31.16
		For >50 To 100, Deduct	*-18.17*	
		For >100, Deduct	*-27.01*	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	677.92	31.16
		For >50 To 100, Deduct	*-33.95*	
		For >100, Deduct	*-58.58*	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	356.12	31.16
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-35.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	896.18	31.16
		For >50 To 100, Deduct	*-92.71*	
		For >100, Deduct	*-126.07*	
27 53 13 16-0014		**Accessories For Analog Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	234.03	15.57
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	59.14	15.57
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	75.24	15.57
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	92.03	15.57
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	159.41	24.92
27 53 13 16-0020		**Digital, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0021		**24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	350.53	31.16
		For Surface Mount, Add	*57.64*	
		For >50 To 100, Deduct	*-17.29*	
		For >100, Deduct	*-28.82*	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	540.81	31.16
		For Surface Mount, Add	*95.70*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-47.85*	
27 53 13 16-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	350.53	31.16
		For Surface Mount, Add	*57.64*	
		For >50 To 100, Deduct	*-17.29*	
		For >100, Deduct	*-28.82*	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	540.81	31.16
		For Surface Mount, Add	*95.70*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-47.85*	
27 53 13 16-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	299.47	31.16
		For >50 To 100, Deduct	*-14.23*	
		For >100, Deduct	*-23.72*	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	494.64	31.16
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-43.23*	
27 53 13 16-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	299.47	31.16
		For >50 To 100, Deduct	*-14.23*	
		For >100, Deduct	*-23.72*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	494.64	31.16
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-43.23*	
27 53 13 16-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	319.38	15.57
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	75.93	15.57
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	105.31	15.57
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	278.80	15.57
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	78.04	15.57
27 53 13 16-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	3,291.15	249.26
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,501.02	249.26
27 53 13 16-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	336.61	62.31
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	380.67	62.31
27 53 13 16-0046		**Other Clock And Program Systems** *(27 53 13 16)*		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,992.50	124.63
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,407.04	249.26
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	292.50	62.31
27 53 13 16-0050	EA	Combination Clock And Speaker	663.74	155.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00		1,668.16	259.85
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00		2,108.63	337.74
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01		11,588.00	740.29
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01		5,491.10	630.87
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00		1,337.49	345.09

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount to a standard mullion.		144.74	31.16
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.		151.60	31.16
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.		191.10	31.16

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.		181.37	31.16
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.		871.53	93.47
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.		294.13	31.16

28 16 11 00-0011 Key Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.		203.98	31.16

28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls Note: Opens door or gate with a postal or fire department key.		313.52	62.31
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls		495.55	62.31
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls		495.55	62.31
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls		756.56	62.31

28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.		285.55	31.16

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand Alone Access Controls *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,193.72	124.63
		For Flush Mount, Add	*212.50*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,448.11	140.20
		For Flush Mount, Add	*262.73*	
28 16 11 00-0027		RF Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	712.90	124.63
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	805.63	124.63
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	894.93	124.63
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	991.09	124.63
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	1,080.38	124.63
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	1,176.55	124.63
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	1,265.84	124.63
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	58.38	
		For >40 To 110, Deduct	*-2.92*	
		For >110, Deduct	*-5.84*	
		For Built In Proximity Tags, Add	*11.68*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	61.82	
		For >40 To 110, Deduct	*-3.09*	
		For >110, Deduct	*-6.18*	
		For Built In Proximity Tags, Add	*12.36*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	65.25	
		For >40 To 110, Deduct	*-3.26*	
		For >110, Deduct	*-6.53*	
		For Built In Proximity Tags, Add	*13.05*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	269.37	93.47
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 20' of coax cable.	530.38	93.47
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	482.30	93.47
28 16 11 00-0045		Proximity Card Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand Alone Access Controls	1,365.44	124.63
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand Alone Access Controls	1,485.64	124.63
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand Alone Access Controls	1,760.40	124.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls	815.94	124.63
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 16 11 00-0056)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls	1,009.87	124.63
28 16 11 00-0061		Other Stand Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators	139.58	31.16
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	150.72	24.92
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)*		
		Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	9.14	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	15.07	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	15.87	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150)	89.75	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200)	117.00	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	494.28	155.78
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	494.28	155.78
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	494.28	155.78
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)	1,350.13	155.78
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	7.69	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.02	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	12.82	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	44.88	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	44.88	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	600.06	155.78
		Note: For mullion mounting.		
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	830.85	155.78
		Note: For mullion mounting.		
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	830.85	155.78
		Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)	1,353.34	155.78
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	7,623.18	155.78
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0092		HID, Proximity Cards *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	18.65	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	24.42	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	25.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096		HID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	557.95	155.78
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	657.50	155.78
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	732.16	155.78
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	933.75	155.78
28 16 11 00-0101		Contactless Smart Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0102		HID, Contactless Smart Cards *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.10	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	15.40	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	20.15	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	10.91	
28 16 11 00-0107		HID, Contactless Smart Card Readers, Wiegand Output Access Controls *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	565.94	155.78
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	777.50	155.78
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,253.51	155.78
28 16 11 00-0111		HID, Contactless Smart Card Programmer, Wiegand Output Access Controls *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	3,930.74	155.78
28 16 11 00-0113		Call Station Controls, Wiegand Output Access Controls *(28 16 11 00-0064)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,547.95	155.78
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,290.37	155.78
28 16 11 00-0116		Biometrics Readers, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	6,838.78	124.63
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,353.00	124.63
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,292.92	124.63
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	1,999.66	124.63
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,226.33	124.63
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,999.66	124.63
28 16 11 00-0123		Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	464.69	48.61
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	869.95	48.61
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	423.48	48.61
28 16 11 00-0128		4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0123)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	824.15	58.33
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	975.26	58.33
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	614.65	58.33
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	2,601.42	72.92
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,721.62	72.92
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,158.97	24.31
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,811.50	72.92
28 16 11 00-0137		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	652.89	
28 16 11 00-0139	EA	7 Amperes, 12 Volt, Battery	86.05	
28 16 11 00-0140	EA	18 Amperes, 12 Volt, Battery	191.81	
28 16 11 00-0141	EA	Door Personality Module (Sensormatic RM-4)	711.16	31.16
28 16 11 00-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	288.28	62.31
28 16 11 00-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	87.48	37.39
28 16 11 00-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	783.97	24.92
28 16 11 00-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	118.25	6.24
28 16 11 00-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	82.49	24.92
28 16 11 00-0147	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	486.34	
28 16 11 00-0148	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	697.78	155.78
28 16 11 00-0149		**Access Controllers** *(28 16 11)*		
28 16 11 00-0150		**Microterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,804.28	155.78
28 16 11 00-0152	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,304.62	93.47
28 16 11 00-0153	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	621.26	
28 16 11 00-0154		**Miniterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0155	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,829.10	155.78
28 16 11 00-0156	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,142.24	93.47
28 16 11 00-0157		**Super-2 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0158	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,092.31	155.78
28 16 11 00-0159	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,438.05	93.47
28 16 11 00-0160	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	394.86	93.47
28 16 11 00-0161		**Smarterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0162	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	5,948.77	186.94
28 16 11 00-0163	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,583.79	93.47
28 16 11 00-0164	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,780.87	93.47
28 16 11 00-0165	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,533.75	93.47
28 16 11 00-0166	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	1,969.60	93.47
28 16 11 00-0167	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	1,969.60	93.47
28 16 11 00-0168		**Superterm-4 Controller** *(28 16 11 00-0149)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,489.34	186.94
28 16 11 00-0170	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,506.56	93.47
28 16 11 00-0171		**Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0172	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,302.22	311.57
28 16 11 00-0173	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,929.61	311.57
28 16 11 00-0174	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,070.17	93.47
28 16 11 00-0175		**Turbo Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0176	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,489.34	186.94
28 16 11 00-0177	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,506.56	93.47
28 16 11 00-0178		**Turbo Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,302.22	311.57
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,929.61	311.57
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,070.17	93.47
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,533.75	93.47
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,132.20	93.47
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	1,971.62	93.47
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	1,971.62	93.47
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	804.74	
28 16 11 00-0187		**Intelligent Controller** *(28 16 11 00-0149)*		
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,411.98	93.47
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,436.62	155.78
28 16 11 00-0190		**Access Control Bundled System** *(28 16 11)*		
28 16 11 00-0191	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	39,839.17	
28 16 11 00-0192		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0193		**Magnetic Door Locks** *(28 16 11 00-0192)*		
28 16 11 00-0194		**300 LB Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0195	EA	Single Door, Surface Mount, 300 LB Magnetic Door Lock	657.95	124.63
28 16 11 00-0196		**600 LB Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0197	EA	600 LB, Single Door, Surface Mount, Magnetic Door Lock	941.29	124.63
		For LED Status Indicator And Signal Relay, Add	*86.50*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*173.01*	
		For Mortise Mount, Deduct	*-138.41*	
28 16 11 00-0198	EA	600 LB, Dual Doors, Surface Mount, Magnetic Door Lock	1,406.65	124.63
		For LED Status Indicator And Signal Relay, Add	*144.67*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*289.35*	
28 16 11 00-0199		**1,200 LB Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0200	EA	1,200 LB, Single Door, Surface Mount, Magnetic Door Lock	984.22	124.63
		For LED Status Indicator And Signal Relay, Add	*169.04*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*220.49*	
28 16 11 00-0201	EA	Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock	1,499.38	124.63
		For LED Status Indicator And Signal Relay, Add	*287.53*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*375.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202		2,000 LB Shear Lock, Magnetic And Mechanical Locks *(28 16 11 00-0193)*		
		Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA	Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock	1,030.59	124.63
28 16 11 00-0204		Magnetic Gate Locks *(28 16 11 00-0192)*		
28 16 11 00-0205		600 LB Magnetic Gate Locks *(28 16 11 00-0204)*		
28 16 11 00-0206	EA	600 LB Magnetic Gate Lock	771.29	124.63
28 16 11 00-0207		1,200 LB Magnetic Gate Locks *(28 16 11 00-0204)*		
28 16 11 00-0208	EA	1,200 LB Magnetic Gate Lock	927.55	124.63
		For LED Status Indicator And Signal Relay, Add	*84.79*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*169.57*	
		For Mortise Mount, Deduct	*-135.66*	
28 16 11 00-0209		Magnetic Lock Power Supply And Chargers *(28 16 11 00-0192)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	571.37	124.63
28 16 11 00-0211	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	727.06	124.63
28 16 11 00-0212	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	818.64	124.63
28 16 11 00-0213	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,029.29	124.63
28 16 11 00-0214		NexWatch Access Control Devices *(28 16 11)*		
28 16 11 00-0215		Analog Card Reader System *(28 16 11 00-0214)*		
28 16 11 00-0216	EA	ALTO 818SC, 8-Door System Controller, Supports Analog, Digital Readers and Keypad	16,445.62	1,495.53
28 16 11 00-0217	EA	Power Supply, Multi Outputs 3718S Power Supply Battery Standby System, Selectable	4,454.18	373.88
28 16 11 00-0218	EA	774A-1 Multi-Switch Monitor (MSM) with enclosure	1,537.74	199.41
28 16 11 00-0219	EA	2708 Analog Reader	1,537.74	199.41
28 16 11 00-0220		Digital Card Reader System *(28 16 11 00-0214)*		
28 16 11 00-0221	EA	PI-1 Power Inserter (24 Volt) with power cable, 115 Volt	1,979.49	224.33
28 16 11 00-0222	EA	PI Universal power supply, 110/220	571.92	93.47
28 16 11 00-0223	EA	NexLine Coax Adapter	401.77	49.85
28 16 11 00-0224	EA	NexLine Plus MSM Replacement And Coax Adapter	1,576.76	118.39
28 16 11 00-0225	EA	Star I Controller	4,397.76	436.20
28 16 11 00-0226	EA	Star II Controller	4,397.76	436.20
28 16 11 00-0227	EA	Star I And II Controller Four Door Chip Set	2,281.71	218.10
28 16 11 00-0228	EA	Star I And II Controller Eight Door Chip Set	3,913.03	218.10
28 16 11 00-0229	EA	Large Cabinet (room for three full-size boards or six half-height boards 25" x 21" x 4")	1,102.60	168.25
28 16 11 00-0230	EA	Micro 16/8 Board	4,451.10	87.24
28 16 11 00-0231	EA	DR4201 Low Profile DigiReader (HID Compatible)	977.98	249.26
28 16 11 00-0232	EA	DR4203 Mullion-Mount DigiReader	1,451.79	292.87
28 16 11 00-0233	EA	DR4205K DigiReader with Integrated Keypad, 12 - 24 Volt with Tamper	1,451.79	292.87
28 16 11 00-0234	EA	DR4208 Digital Proximity Reader with Increased Read Range	1,329.61	292.87
28 16 11 00-0235	EA	DR4208K DigiReader with Integrated Keypad	1,451.79	292.87
28 16 11 00-0236	EA	DR4208GM DigiReader with Glass-Mount Capability	1,573.97	292.87
28 16 11 00-0237	EA	DR4220 Long Range Proximity Reader	2,673.61	292.87
28 16 11 00-0238	EA	Trim Plate for DR4201	58.06	6.23
28 16 11 00-0239	EA	Trim Plate for DR4205	107.26	6.23
28 16 11 00-0240	EA	Standoff	113.22	9.35
28 16 11 00-0241	EA	PS2805AD Dual Mode Digital/Analog Proximity Sensor	1,449.94	112.16
28 16 11 00-0242	EA	DR4200K DigiReader Weatherized 10-Key Keypad Reader	1,053.69	74.78
28 16 11 00-0243		Radionics Alarm *(28 16 11 00-0214)*		
28 16 11 00-0244	EA	2212 Alarm Package	1,514.14	199.41
28 16 11 00-0245	EA	7412 8 - 156 Zone Panel	2,787.72	373.88
28 16 11 00-0246	EA	1255D Alpha Numeric Key Pad	475.46	62.31
28 16 11 00-0247	EA	2071 Fire Dialer Ademco Alarm Button	240.57	31.16
28 16 11 00-0248		Master Door Buzzer Stations *(28 16 11)*		
28 16 11 00-0249		Master Stations *(28 16 11 00-0248)*		
28 16 11 00-0250	EA	Master Stations, 5 Station Intercommunication Equipment	1,184.21	194.42
28 16 11 00-0251	EA	Master Stations, 10 Station Intercommunication Equipment	1,777.08	376.38
28 16 11 00-0252	EA	Master Station, Desk Style Remote Intercommunication Equipment	508.62	97.21
28 16 11 00-0253	EA	Master Station, Flush Wall Remote Intercommunication Equipment	649.85	162.02
28 16 11 00-0254	EA	Sound System Outlet, Protector	166.22	63.44
28 16 11 00-0255	EA	Sound System Microphone Outlet	290.23	129.86
28 16 11 00-0256	EA	Ceiling Or Wall, Sound System Speaker	223.05	63.44
28 16 11 00-0257	EA	Sound System Monitor Panel	653.18	129.86
28 16 11 00-0258	EA	Sound System Volume Control	192.43	63.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0259	EA	250 Watt, Sound System Amplifier	3,024.17	519.33
28 16 11 00-0260	EA	Sound System Cabinet	1,760.04	519.33

28 16 11 00-0261 Master Door Stations *(28 16 11 00-0248)*

28 16 11 00-0262	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,593.40	
		For Intercom Type Master Door Station, Add	*218.32*	
28 16 11 00-0263	EA	Master Door Stations, Button Buzzer Type, 50 Station	4,294.60	
		For Intercom Type Master Door Station, Add	*353.67*	
28 16 11 00-0264	EA	Master Door Stations, Button Buzzer Type, 75 Station	5,891.92	
		For Intercom Type Master Door Station, Add	*458.47*	
28 16 11 00-0265	EA	Master Door Stations, Button Buzzer Type, 100 Station	6,735.73	
		For Intercom Type Master Door Station, Add	*537.06*	
28 16 11 00-0266	EA	Master Door Stations, Button Buzzer Type, 150 Station	8,183.53	
		For Intercom Type Master Door Station, Add	*785.94*	
28 16 11 00-0267	EA	Master Door Stations, Button Buzzer Type, 200 Station	9,608.02	
		For Intercom Type Master Door Station, Add	*1,012.99*	
28 16 11 00-0268	EA	Master Door Stations, Button Buzzer Type, 250 Station	12,097.58	
		For Intercom Type Master Door Station, Add	*1,309.91*	
28 16 11 00-0269	EA	Master Door Stations, Button Buzzer Type, 300 Station	14,448.23	
		For Intercom Type Master Door Station, Add	*1,502.03*	
28 16 11 00-0270	EA	Transformer	181.39	
28 16 11 00-0271	EA	Door Opener	268.41	
28 16 11 00-0272	EA	Buzzer With Door Release And Plate	330.77	
28 16 11 00-0273	EA	Amplifier For Intercom Type Unit	545.15	
28 16 11 00-0274	EA	Speaker With Door Release	228.69	

28 16 11 00-0275 Access Controls (Sielox) *(28 16 11)*

28 16 11 00-0276	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs . Includes Integrated Uninterruptible Power Supply And Large Enclosure (SLX150-E4) (Sielox AC-1700-150E4-2D)	2,537.79	180.66
28 16 11 00-0277	EA	4-Reader Ethernet/RS485 Kit: Supports 4 Door Strikes, 4 Door Contacts, 4 REX Inputs, 8 Sup./Unsup. Inputs, 8 Sup./Unsup. Outputs . Includes Integrated Uninterruptible Power Supply And Large Enclosure (SLX150-E4) (Sielox AC-1700-150E4-4D)	4,220.71	300.45
28 16 11 00-0278	EA	6-Reader Ethernet/RS485 Kit: Supports 6 Door Strikes, 6 Door Contacts, 6 REX Inputs, 12 Sup./Unsup. Inputs, 12 Sup./Unsup. Outputs Includes Integrated Uninterruptible Power Supply And Large Enclosure (SLX150-E4) (Sielox AC-1700-150E4-6D)	5,903.61	420.26
28 16 11 00-0279	EA	8-Reader Ethernet/RS485 Kit : Supports 8 Door Strikes, 8 Door Contacts, 8 REX Inputs, 16 Sup./Unsup. Inputs, 16 Sup./Unsup. Outputs Includes Integrated Uninterruptible Power Supply And Large Enclosure (SLX150-E4) (Sielox AC-1700-150E4-8D)	7,586.53	540.06
28 16 11 00-0280	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs. Includes Sielox Large Enclosure and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-1700-LN-2-PS75)	2,615.22	186.17
28 16 11 00-0281	EA	4-Reader Ethernet/RS485 Kit:Supports 4 Door Strikes, 4 Door Contacts, 4 REX Inputs, 8 Sup./Unsup. Inputs, 8 Sup./Unsup. Outputs. Includes Sielox Large Enclosure and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-1700-LN-4-PS75)	4,298.14	305.97
28 16 11 00-0282	EA	6-Reader Ethernet/RS485 Kit:Supports 6 Door Strikes, 6 Door Contacts, 6 REX Inputs, 12 Sup./Unsup. Inputs, 12 Sup./Unsup. Outputs. Includes Sielox Large Enclosure and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-1700-LN-6-PS75)	5,981.06	425.78
28 16 11 00-0283	EA	8-Reader Ethernet/RS485 Kit: Supports 8 Door Strikes, 8 Door Contacts, 8 REX Inputs, 16 Sup./Unsup. Inputs, 16 Sup./Unsup. Outputs . Includes Sielox Large Enclosure and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-1700-LN-8-PS75)	7,663.98	545.58
28 16 11 00-0284	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs. Includes Sielox Large Enclosure and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-1700-LN-2-PS150)	2,776.07	197.63
28 16 11 00-0285	EA	4-Reader Ethernet/RS485 Kit:Supports 4 Door Strikes, 4 Door Contacts, 4 REX Inputs, 8 Sup./Unsup. Inputs, 8 Sup./Unsup. Outputs. Includes Sielox Large Enclosure and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-1700-LN-4-PS150)	4,459.00	317.41
28 16 11 00-0286	EA	6-Reader Ethernet/RS485 Kit:Supports 6 Door Strikes, 6 Door Contacts, 6 REX Inputs, 12 Sup./Unsup. Inputs, 12 Sup./Unsup. Outputs. Includes Sielox Large Enclosure and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-1700-LN-6-PS150)	6,141.89	437.22
28 16 11 00-0287	EA	8-Reader Ethernet/RS485 Kit: Supports 8 Door Strikes, 8 Door Contacts, 8 REX Inputs, 16 Sup./Unsup. Inputs, 16 Sup./Unsup. Outputs . Includes Sielox Large Enclosure and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-1700-LN-8-PS150)	7,824.82	557.02
28 16 11 00-0288	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs . Includes SLX75-E1 - Holds 1 Controller. (Sielox AC-1700-75E1-2D)	2,168.44	154.36
28 16 11 00-0289	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs . Includes SLX75-E2 - Holds 1 Controller. (Sielox AC-1700-75E2-2D)	2,245.87	159.88
28 16 11 00-0290	EA	4- Reader Ethernet/RS485 Kit: Supports 4 Door Strikes, 4 Door Contacts, 4 REX Inputs, 8 Sup./Unsup. Inputs, 8 Sup./Unsup. Outputs . Includes SLX75-E2. Holds up to 2 Controllers. (Sielox AC-1700-75E2-4D)	3,928.79	279.68
28 16 11 00-0291	EA	Retrofit Mounting Plate - For mounting up to 2 AC-1700 Controller Boards in the AC-1500 large enclosure or other large enclosures (Sielox AC-1700-RMP-2)	119.14	8.47
28 16 11 00-0292	EA	AC-1700 Connector Kit. (Can be used with 16-Bit Controllers) (Sielox AC-1700-CK)	119.14	8.47
28 16 11 00-0293	EA	AC-1700 I/O Backplane Kit: Includes: AC-1700-BP7 I/O Backplane, AC-1700-IOMP Mounting Plate, AC-PRDUAL and AC-PWRS Standard Power Supply. Requires Input or Output Modules (AC-IEK or AC-OEK). Enclosure not included. (Sielox AC-1700-MS-IO)	1,194.42	85.03
28 16 11 00-0294	EA	2- Door Pinnacle Ultra Package, 1- Controller (6201700) with SLX UPS Power Supply (SLX75-E2) and Enclosure. (Sielox AC-PUL-75E2-2D)	2,573.51	183.20
28 16 11 00-0295	EA	4- Door Pinnacle Ultra Package, 2- Controllers (6201700) with SLX UPS Power Supply (SLX75-E2) and Enclosure. (Sielox AC-PUL-75E2-4D)	4,256.43	303.00
28 16 11 00-0296	EA	2- Door Pinnacle Ultra Package, 1- Controller (6201700) with SLX UPS Power Supply (SLX150-E4) and Enclosure. (Sielox AC-PUL-150E4-2D)	2,865.42	203.98

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28 16 11 00-0297	EA	4 Door Pinnacle Ultra Package, 2-Controllers (6201700) with SLX UPS Power Supply (SLX150-E4) and Enclosure. (Sielox AC-PUL-150E4-4D)	4,548.35	323.79
28 16 11 00-0298	EA	6 Door Pinnacle Ultra Package, 3 -Controllers (6201700) with SLX UPS Power Supply (SLX150-E4) and Enclosure. (Sielox AC-PUL-150E4-6D)	6,231.27	443.58
28 16 11 00-0299	EA	8 Door Pinnacle Ultra Package 4 -Controller (6201700) with SLX UPS Power Supply (SLX150-E4) and Enclosure. (Sielox AC-PUL-150E4-8D)	7,914.19	563.38
28 16 11 00-0300	EA	2-Door Pinnacle Ultra Package, 1- Controller (6201700), Small Enclosure Kit (6800111) and 1 - LifeSafety 75W Power Supply With Separate Enclosure. (Sielox AC-PULS-1700-2D-PS75)	2,853.51	203.13
28 16 11 00-0301	EA	2-Door Pinnacle Ultra Package, 1- Controller (6201700), Small Enclosure Kit (6800111) and 1 - LifeSafety 150W Power Supply With Separate Enclosure. (Sielox AC-PULS-1700-2D-PS150)	3,014.36	214.59
28 16 11 00-0302	EA	2- Door Pinnacle Ultra Package, 1-Controller (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-2D-PS75)	2,184.65	155.52
28 16 11 00-0303	EA	2- Door Pinnacle Ultra Package, 1-Controller (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-2D-PS150)	2,507.99	178.54
28 16 11 00-0304	EA	4- Door Pinnacle Ultra Package, 2- Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-4D-PS75)	4,625.78	329.29
28 16 11 00-0305	EA	4- Door Pinnacle Ultra Package, 2- Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-4D-PS150)	4,786.63	340.75
28 16 11 00-0306	EA	6- Door Pinnacle Ultra Package, 3 - Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-6D-PS75)	6,308.70	449.10
28 16 11 00-0307	EA	8 Door Pinnacle Ultra Package, 4- Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 75W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-8D-PS75)	7,991.62	568.90
28 16 11 00-0308	EA	8 Door Pinnacle Ultra Package, 4- Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 150W Power Supply With Separate Enclosure (Sielox AC-PULL-1700-8D-PS150)	8,152.47	580.35
28 16 11 00-0309	EA	2- Door Pinnacle Lite Package, 1- Controller (6201700) with SLX UPS Power Supply (SLX75-E2). 1 Enclosure. (Sielox AC-PLT-75E2-2D)	3,020.33	215.01
28 16 11 00-0310	EA	4- Door Pinnacle Lite Package, 2- Controllers (6201700) with SLX UPS Power Supply (SLX75-E2). 1 Enclosure. (Sielox AC-PLT-75E2-4D)	4,703.23	334.81
28 16 11 00-0311	EA	2- Door Pinnacle Lite Package, 1- Controller (6201700) with SLX UPS Power Supply (SLX150-E4). 1 Enclosure. (Sielox AC-PLT-150E4-2D)	3,312.22	235.78
28 16 11 00-0312	EA	4 Door Pinnacle Lite Package, 2-Controller (6201700) with SLX UPS Power Supply (SLX150-E4). 1 Enclosure (Sielox AC-PLT-150E4-4D)	4,995.15	355.59
28 16 11 00-0313	EA	6 Door Pinnacle Lite Package, 3 -Controllers (6201700) with SLX UPS Power Supply (SLX150-E4). 1 Enclosure (Sielox AC-PLT-150E4-6D)	6,678.05	475.38
28 16 11 00-0314	EA	8 Door Pinnacle Lite Package, 4- Controllers (6201700) with SLX UPS Power Supply (SLX150-E4). 1 Enclosure (Sielox AC-PLT-150E4-8D)	8,360.97	595.19
28 16 11 00-0315	EA	4- Door Pinnacle Lite Package, 2-Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 75W Power Supply With Separate Enclosure. (Sielox AC-PLT-1700-4D-PS75)	5,072.58	361.10
28 16 11 00-0316	EA	6- Door Pinnacle Lite Package, 3 - Controllers (6201700) with Large Enclosure (6800110) and 1 - LifeSafety 150W Power Supply With Separate Enclosure. (Sielox AC-PLT-1700-6D-PS150)	6,916.34	492.35
28 16 11 00-0317	EA	Standard Workstation to Plus Workstation (per Concurrent User) (Sielox AC-WST2PL)	372.34	26.50
28 16 11 00-0318	EA	Plus Workstation to Professional Workstation (per Concurrent User) (Sielox AC-WPL2PR)	372.34	26.50
28 16 11 00-0319	EA	Standard Workstation to Plus Workstation (per 2 Concurrent Users) (Sielox AC-WST22PL)	670.18	47.71
28 16 11 00-0320	EA	Plus Workstation to Professional Workstation (per 2 Concurrent Users) (Sielox AC-WPL22PR)	670.18	47.71
28 16 11 00-0321	EA	Standard Workstation to Plus Workstation (per 5 Concurrent Users) (Sielox AC-WST52PL)	1,787.16	127.22
28 16 11 00-0322	EA	Plus Workstation to Professional Workstation (per 5 Concurrent Users) (Sielox AC-WPL52PR)	1,787.16	127.22
28 16 11 00-0323	EA	Badging for Pinnacle Lite to Badging for Pinnacle Standard (Sielox AC-BLT2STD)	163.84	11.66
28 16 11 00-0324	EA	Badging for Pinnacle Standard to Badging for Pinnacle Plus (Sielox AC-BST2PL)	193.60	13.78
28 16 11 00-0325	EA	Badging for Pinnacle Plus Software to Badging for Pinnacle Professional (Sielox AC-BPL2PR)	536.16	38.17
28 16 11 00-0326	EA	ThyssenKrupp Destination Dispatch Driver (Sielox AC-THKP)	14,893.07	1,060.20
28 16 11 00-0327	EA	Schindler Smart Dispatch Driver (Sielox AC-SCHIND)	8,935.84	636.11
28 16 11 00-0328	EA	Otis Dispatch Driver (Sielox AC-OTIS)	14,893.07	1,060.20
28 16 11 00-0329	EA	QNX to Pinnacle Import -Cardholders And Access Groups only (Sielox AC-PS-QNX2PN)	4,467.93	318.06
28 16 11 00-0330	EA	Threshold to Pinnacle Import – Applies to Threshold 95, Access, NT and Enterprise. Note: Includes conversion of cardholder, photo ID image file, and network configuration. Only cardholder information guaranteed. Network configuration should be verified by customer (Sielox AC-PS-THRSH2PN)	1,787.16	127.22
28 16 11 00-0331	EA	Pinnacle to Pinnacle Import – Recommended for all upgrades prior to Pinnacle 7.0 or when upgrading to a new server with version software upgrade. (Sielox AC-PS-PN2PN)	1,042.51	74.21
28 16 11 00-0332	EA	Workstations for Pinnacle Professional (per 15 Concurrent Users) (Sielox AC-WPR15)	17,870.55	1,272.15
28 16 11 00-0333	EA	Workstations for Pinnacle Professional (per 25 Concurrent Users) (Sielox AC-WPR20)	26,807.52	1,908.34
28 16 11 00-0334	EA	Workstations for Pinnacle Professional (per 50 Concurrent Users) (Sielox AC-WPR50)	44,680.34	3,180.65
28 16 11 00-0335	EA	Pinnacle Software Load (Initial Installation) via Network Streaming Required: Network Streaming access and availability of IT resource for password setting required at the customer site. Note: Pinnacle configuration not included (Sielox 6990006)	744.66	53.02
28 16 11 00-0336	EA	Reinstatement Fee for Lapsed Pinnacle Ultra Software Maintenance (Sielox AC-SWM-RE-PUL)	255.46	
28 16 11 00-0337	EA	Reinstatement Fee for Lapsed Pinnacle Lite Software Maintenance (Sielox AC-SWM-RE-PLT)	383.18	
28 16 11 00-0338	EA	Reinstatement Fee for Lapsed Pinnacle Standard Software Maintenance (Sielox AC-SWM-RE-PNST)	510.91	
28 16 11 00-0339	EA	Reinstatement Fee for Lapsed Pinnacle Plus Software Maintenance (Sielox AC-SWM-RE-PNPL)	1,021.81	
28 16 11 00-0340	EA	Reinstatement Fee for Lapsed Pinnacle Pro Software Maintenance (Sielox AC-SWM-RE-PNPR)	2,043.63	
28 16 11 00-0341	EA	Annual Software Maintenance for Pinnacle Ultra Software (Sielox AC-SWM-PUL)	255.46	
28 16 11 00-0342	EA	Annual Software Maintenance for Pinnacle Lite Software (Sielox AC-SWM-PLT)	383.18	
28 16 11 00-0343	EA	Annual Software Maintenance for Pinnacle Standard – Includes 1 server and one workstation (Sielox AC-SWM-PNST)	510.91	
28 16 11 00-0344	EA	Annual Software Maintenance for Pinnacle Plus – Includes 1 server and one workstation (Sielox AC-SWM-PNPL)	1,149.55	
28 16 11 00-0345	EA	Annual Software Maintenance for Pinnacle Professional – Includes 1 server and one workstation (Sielox AC-SWM-PNPR)	3,448.62	
28 16 11 00-0346	EA	Annual Software Maintenance Pinnacle Workstations (each workstation not included in the bundle) (Sielox AC-SWM-PWS5)	268.22	
28 16 11 00-0347	EA	Annual Software Maintenance Pinnacle Bundled Two Workstations (Sielox AC-SWM-PWSB2)	536.46	
28 16 11 00-0348	EA	Annual Software Maintenance Pinnacle Bundled Five Workstations (Sielox AC-SWM-PWSB5)	1,149.55	
28 16 11 00-0349	EA	Annual Software Maintenance for Pinnacle Software Development Kit (SDK) (Sielox AC-SWM-PSDK)	894.08	
28 16 11 00-0350	EA	Annual Software Maintenance for Pinnacle Badging Option – Pinnacle Lite Per Badging License (Sielox AC-SWM-BLT)	229.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0351	EA	Annual Software Maintenance for Pinnacle Badging Option – Pinnacle Standard Per Badging License (Sielox AC-SWM-BST)	306.54	
28 16 11 00-0352	EA	Annual Software Maintenance for Pinnacle Badging Option – Pinnacle Plus Per Badging License (Sielox AC-SWM-BPT)	370.40	
28 16 11 00-0353	EA	Annual Software Maintenance for Pinnacle Badging Option – Pinnacle Professional Per Badging License (Sielox AC-SWM-BPPT)	421.50	
28 16 11 00-0354	EA	Annual Software Maintenance for Pinnacle Database Partitioning Option (Sielox AC-SWM-DBPO)	255.46	
28 16 11 00-0355	EA	Annual Software Maintenance for Pinnacle Multi-Server Hardware Option (Sielox AC-SWM-MSHO)	383.18	
28 16 11 00-0356	EA	Annual Software Maintenance for Pinnacle Data Exchange Software Maintenance (Sielox AC-SWM-PDE)	383.18	
28 16 11 00-0357	EA	Annual Software Maintenance ThyssenKrupp Interface Module Annual Software Maintenance, Software Maintenance includes free software updates and Upgrades. Per copy. (Sielox AC-SWM-TKELEVX)	2,043.63	
28 16 11 00-0358	EA	Annual Software Maintenance Schindler Module™ Annual Software Maintenance, Software Maintenance includes free software updates and Upgrades. Per copy. (Sielox AC-SWM-SCHINDX)	1,277.28	
28 16 11 00-0359	EA	Sielox Class™ 75 - Desktop Network Appliance - System includes Network Appliance, Preloaded Sielox Class™ 75 Software, and 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance). System supports 75 locations and 265 Users (225 Initiators, 40 Responders)Desktop Appliance Dimensions - 8" x 8" x 2" (Sielox AC-CLASS75-DT)	8,229.91	585.87
28 16 11 00-0360	EA	Sielox Class™ 75 - 1U Rackmount Network Appliance - System includes Network Appliance, Preloaded Sielox Class™ 75 Software, and 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance).System supports 75 locations and 265 Users (225 Initiators, 40 Responders)1U Rackmount Appliance Dimensions 17" x 13" x 1.75" (Sielox AC-CLASS75-1U)	8,825.63	628.28
28 16 11 00-0361	EA	Sielox Class™ 150 Desktop Network Appliance - System includes Network Appliance, Preloaded Sielox Class™ 150 Software, and 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance). System supports 150 locations and 525 Users (450 Initiators, 75 Responders) Desktop Appliance Dimensions - 8" x 8" x 2" (Sielox AC-CLASS150-DT)	14,231.82	1,013.12
28 16 11 00-0362	EA	Sielox Class™ 150 1U Rackmount Network Appliance Note: System includes Network Appliance, Preloaded Sielox Class™ 150 Software, and 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance). System supports 150 locations and 525 Users (450 Initiators, 75 Responders) 1U Rackmount Appliance Dimensions 17" x 13" x 1.75" (Sielox AC-CLASS150--1U)	14,827.55	1,055.52
28 16 11 00-0363	EA	Sielox Class™ 300 1U Rackmount Network Appliance Note: System includes Network Appliance, Preloaded Sielox Class™300 Software, and 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance). System supports 300 locations and 1050 Users (900 Initiators , 150 Responders) 1U Rackmount Appliance Dimensions 17" x 13" x 1.75" (Sielox AC-CLASS300-1U)	25,461.18	1,812.51
28 16 11 00-0364	EA	Sielox Class™ 500 1U Rackmount Network Appliance Note: System includes Network Appliance, Preloaded Sielox Class™ 500 Software, and 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance). System supports 500 locations and 1150 Users (1000 Initiators , 150 Responders) 1U Rackmount Appliance Dimensions 17" x 13" x 1.75" (Sielox AC-CLASS500-1U)	26,669.62	1,898.54
28 16 11 00-0365	EA	Sielox Class™ 75 - Deployment Services - System is preloaded with the following end-user information supplied by Business Partner using supplied file format.[user database, user groups, email/text alerts, floor plans, locations, up to 8 color condition label(s), color condition order, up to 5 Alert Level instruction pop-ups, up to 4 Alert Level and up to 8 condition pop-up alerts, up to 10 Highlight Event triggers].Includes initial one hour consult webinar and one hour completed services summary webinar.If resolution on floor plan files is unusable for Class system, charges will be added to re-draw maps (126834). (Sielox AC-PS-CLASS75)	1,489.32	106.02
28 16 11 00-0366	EA	Sielox Class 75 - Integration Services - Includes configuration of Action URL's [up to 75 live video pop-ups, configuration of outputs for integration of Access Control Lockdown, paging systems, video and mass notification for up to 60 outputs. Configuration of inputs for integration of buttons, motion sensors, readers etc...for up to 75 location inputs (Sielox AC-PS-CLASS75KIT)	1,489.32	106.02
28 16 11 00-0367	EA	Sielox Class™ 150 - Deployment Services - System is preloaded with the following end-user information supplied by Business Partner using supplied file format.[user database, user groups, email/text alerts, floor plans, locations, up to 8 color condition label(s), color condition order, up to 5 Alert Level instruction pop-ups, up to 4 Alert Level and up to 8 condition pop-up alerts, up to 10 Highlight Event triggers].Includes initial one hour consult webinar and one hour completed services summary webinar.If resolution on floor plan files is unusable for Class system, charges will be added to re-draw maps (126834). (Sielox AC-PS-CLASS150)	2,978.62	212.04
28 16 11 00-0368	EA	Sielox Class 150 - Integration Services - Includes configuration of Action URL's [up to 150 live video pop-ups, configuration of outputs for integration of Access Control Lockdown, paging systems, video and mass notification for up to 60 outputs. Configuration of inputs for integration of buttons, motion sensors, readers etc...for up to 150 location inputs (Sielox AC-PS-CLASS150KIT)	2,978.62	212.04
28 16 11 00-0369	EA	Sielox Class™ 300 - Deployment Services - System is preloaded with the following end-user information supplied by Business Partner using supplied file format.[user database, user groups, email/text alerts, floor plans, locations, up to 8 color condition label(s), color condition order, up to 5 Alert Level instruction pop-ups, up to 4 Alert Level and up to 8 condition pop-up alerts, up to 10 Highlight Event triggers].Includes initial one hour consult webinar and one hour completed services summary webinar.If resolution on floor plan files is unusable for Class system, charges will be added to re-draw maps (126834). (Sielox AC-PS-CLASS300)	4,467.93	318.06
28 16 11 00-0370	EA	Sielox Class 300 - Integration Services - Includes configuration of Action URL's [up to 300 live video pop-ups, configuration of outputs for integration of Access Control Lockdown, paging systems, video and mass notification for up to 60 outputs. Configuration of inputs for integration of buttons, motion sensors, readers etc...for up to 300 location inputs (Sielox AC-PS-CLASS300KIT)	4,467.93	318.06
28 16 11 00-0371	EA	Sielox Class™ 500 - Deployment Services - System is preloaded with the following end-user information supplied by Business Partner using supplied file format.[user database, user groups, email/text alerts, floor plans, locations, up to 8 color condition label(s), color condition order, up to 5 Alert Level instruction pop-ups, up to 4 Alert Level and up to 8 condition pop-up alerts, up to 10 Highlight Event triggers].Includes initial one hour consult webinar and one hour completed services summary webinar.If resolution on floor plan files is unusable for Class system, charges will be added to re-draw maps (126834). (Sielox AC-PS-CLASS500)	5,361.80	381.69
28 16 11 00-0372	EA	Sielox Class 500 - Integration Services - Includes configuration of Action URL's [up to 500 live video pop-ups, configuration of outputs for integration of Access Control Lockdown, paging systems, video and mass notification for up to 60 outputs. Configuration of inputs for integration of buttons, motion sensors, readers etc...for up to 500 location inputs (Sielox AC-PS-CLASS500KIT)	5,361.80	381.69
28 16 11 00-0373	EA	1 Year - Annual End User Support Agreement for Class™ 75 (Sielox AC-EUSA-CLASS75)	1,787.16	127.22
28 16 11 00-0374	EA	1 Year - Annual End User Support Agreement for Class™ 150 (Sielox AC-EUSA-CLASS150)	3,574.33	254.44
28 16 11 00-0375	EA	1 Year - Annual End User Support Agreement for Class™ 300 (Sielox AC-EUSA-CLASS300)	5,957.23	424.08
28 16 11 00-0376	EA	1 Year - Annual End User Support Agreement for Class™ 500 (Sielox AC-EUSA-CLASS500)	5,957.23	424.08
28 16 11 00-0377	EA	1 Year - Annual Software Maintenance for Sielox Class™ 75 - System Required for Technical Support And Software Updates. Maintenance includes Software Only. Hardware not included. Please refer to Section 1 for Warranty and End User License Agreement information. (Sielox AC-SWM-CLASS75)	893.59	63.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0378	EA	1 Year - Annual Software Maintenance for Sielox Class™ 150 - System Required for Technical Support And Software Updates. Maintenance includes Software Only. Hardware not included. Please refer to Section 1 for Warranty and End User License Agreement information. (Sielox AC-SWM-CLASS150)	1,787.16	127.22
28 16 11 00-0379	EA	1 Year - Annual Software Maintenance for Sielox Class™ 300 - System Required for Technical Support And Software Updates. Maintenance includes Software Only. Hardware not included. Please refer to Section 1 for Warranty and End User License Agreement information. (Sielox AC-SWM-CLASS300)	2,978.62	212.04
28 16 11 00-0380	EA	1 Year - Annual Software Maintenance for Sielox Class™ 300 - System Required for Technical Support And Software Updates. Maintenance includes Software Only. Hardware not included. Please refer to Section 1 for Warranty and End User License Agreement information. (Sielox AC-SWM-CLASS500)	2,978.62	212.04
28 16 11 00-0381	EA	System includes Network Appliance, Preloaded with Sielox AnyWare™ 8 Software and a 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance) System supports up to 8 Doors, 25K Cardholders, 256 Access Levels, and 64 Time Zones. Desktop Appliance Dimensions - (8" x 8" x 2") Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-DT)	1,191.43	84.82
28 16 11 00-0382	EA	System includes Network Appliance, Preloaded with Sielox AnyWare™ 8 Software and a 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance) System supports up to 8 Doors, 25K Cardholders, 256 Access Levels, and 64 Time Zones. 1U Rackmount Appliance Dimensions (17" x 13" x 1.75") Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-1U)	1,787.16	127.22
28 16 11 00-0383	EA	System includes Network Appliance, Preloaded with Sielox AnyWare™ 40 Software and a 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance) System supports up to 8 Doors, 25K Cardholders, 256 Access Levels, and 64 Time Zones. Desktop Appliance Dimensions - 8"x8"x2" (Sielox AC-AW40-DT)	2,382.90	169.62
28 16 11 00-0384	EA	System includes Network Appliance, Preloaded with Sielox AnyWare™ 40 Software and a 12 Volt DC Transformer. (1 Year Warranty – Software And Appliance) System supports up to 8 Doors, 25K Cardholders, 256 Access Levels, and 64 Time Zones. 1U Rackmount Appliance Dimensions (17" x 13" x 1.75") (Sielox AC-AW40-1U)	2,978.62	212.04
28 16 11 00-0385	EA	Package Includes (Sielox AnyWare™ 8 Network Appliance, (2) AC1700 2 -Door Controller, SLX75-E2 UPS Power Supply and Enclosure -16" x 20"). Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-75E2-4D)	4,584.09	326.33
28 16 11 00-0386	EA	Package Includes (Sielox AnyWare™ 8 Desktop Network Appliance, (1) AC1700 2 -Door Controller, SLX150-E4 UPS Power Supply and Enclosure -20" x 24").Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-150E4-2D)	3,237.75	230.49
28 16 11 00-0387	EA	Package Includes (Sielox AnyWare™ 8 Desktop Network Appliance, (2) AC1700 2 -Door Controller, SLX150-E4UPS Power Supply and Enclosure -20" x 24"). Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-150E4-4D)	4,697.28	334.38
28 16 11 00-0388	EA	Package Includes (Sielox AnyWare™ 8 Desktop Network Appliance, (3) AC1700 2 -Door Controller, SLX150-E4 UPS Power Supply and Enclosure -20" x 24"). Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-150E4-6D)	6,514.21	463.73
28 16 11 00-0389	EA	Package Includes (Sielox AnyWare™ 8 Desktop Network Appliance, (4) AC1700 2 -Door Controller, SLX150-E4 UPS Power Supply and Enclosure -20" x 24"). Sielox AnyWare™ 8 - Cannot be Upgraded. Larger Systems require the purchase of AnyWare™ 40 (Sielox AC-AW8-150E4-8D)	8,152.47	580.35
28 16 11 00-0390	EA	Pinnacle to AnyWare™ Database Import - Note: Includes conversion of cardholder information only. (First Name, Last Name, and Card Code) (Sielox AC-PS-PN2AW)	1,042.51	74.21
28 16 11 00-0391	EA	1 Year Annual Software Maintenance Contract. Maintenance includes Software Only. Hardware not included. Please refer to Sielox Price Book Section 1 - Policies And Procedures for Warranty and End User License Agreement information. (Sielox AC-SWM-AW8)	297.86	21.21
28 16 11 00-0392	EA	2A/12V or 1A/24V E1 enclosure (Sielox SLX25-E1)	460.70	32.79
28 16 11 00-0393	EA	6 Amperes/12 Volt or 3 Amperes/24 Volt E1 Enclosure (Sielox SLX75-E1)	484.54	34.49
28 16 11 00-0394	EA	8A/12V or 4A/24V E1 enclosure (Sielox SLX100-E1)	607.64	43.25
28 16 11 00-0395	EA	12 Amperes/12 Volt or 6 Amperes/24 Volt E1 Enclosure (Sielox SLX150-E1)	647.35	46.08
28 16 11 00-0396	EA	16 Amperes/12 Volt or 8 Amperes/24 Volt E1 Enclosure (Sielox SLX200-E1)	710.92	50.61
28 16 11 00-0397	EA	20A/12V or 10A/24V E1 enclosure (Sielox SLX250-E1)	750.61	53.44
28 16 11 00-0398	EA	6 Amperes/12 Volt or 3 Amperes/24 Volt E2 Enclosure (Sielox SLX75-E2)	563.93	40.14
28 16 11 00-0399	EA	8A/12V or 4A/24V E2 enclosure (Sielox SLX100-E2)	691.04	49.19
28 16 11 00-0400	EA	12 Amperes/12 Volt or 6 Amperes/24 Volt E2 Enclosure (Sielox SLX150-E2)	730.74	52.01
28 16 11 00-0401	EA	16 Amperes/12 Volt or 8 Amperes/24 Volt E2 Enclosure (Sielox SLX200-E2)	790.32	56.26
28 16 11 00-0402	EA	20A/12V or 10A/24V E2 enclosure (Sielox SLX250-E2)	834.01	59.37
28 16 11 00-0403	EA	E1 enclosure size 12W x 14H x 4.5D. (Sielox SLX-E1)	372.34	26.50
28 16 11 00-0404	EA	E2 enclosure size 16W x 20H x 4.5D (Sielox SLX-E2)	446.79	31.81
28 16 11 00-0405	EA	E4 enclosure size 20W x 24H x 4.5D (Sielox SLX-E4)	521.26	37.11
28 16 11 00-0406	EA	E5 enclosure size 8.5W x 11H x 3D (Sielox SLX-E5)	521.26	37.11
28 16 11 00-0407	EA	75 Watt Power Supply Board 6 Amperes/12 Volt or 3 Amperes/24 Volt (Sielox SLX75)	305.81	21.77
28 16 11 00-0408	EA	100 Watt power supply board 8A/12V or 4A/24V (Sielox SLX100)	460.70	32.79
28 16 11 00-0409	EA	150 Watt Power Supply Board 12 Amperes/12 Volt or 6 Amperes/24 Volt (Sielox SLX150)	504.37	35.90
28 16 11 00-0410	EA	250 Watt power supply board 20A/12V or 10A/24V (Sielox SLX250)	631.47	44.95
28 16 11 00-0411	EA	8 auxiliary outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-D8E1)	552.03	39.30
28 16 11 00-0412	EA	8 auxiliary outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-D8PE1)	552.03	39.30
28 16 11 00-0413	EA	8 auxiliary outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-D8E1)	718.82	51.17
28 16 11 00-0414	EA	8 auxiliary outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-D8PE1)	718.82	51.17
28 16 11 00-0415	EA	8 auxiliary outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-D8E1)	822.10	58.52
28 16 11 00-0416	EA	8 auxiliary outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-D8PE1)	822.10	58.52
28 16 11 00-0417	EA	16 auxiliary outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-2D8E1)	623.51	44.39
28 16 11 00-0418	EA	16 auxiliary outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-2D8PE1)	623.51	44.39
28 16 11 00-0419	EA	16 auxiliary outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-2D8E1)	790.32	56.26
28 16 11 00-0420	EA	16 auxiliary outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-2D8PE1)	790.32	56.26
28 16 11 00-0421	EA	16 auxiliary outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-2D8E1)	893.59	63.61
28 16 11 00-0422	EA	16 auxiliary outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-2D8PE1)	893.59	63.61
28 16 11 00-0423	EA	DVPS 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24VA (75W) E2 enclosure (Sielox SLX75/75-E2)	782.40	55.70
28 16 11 00-0424	EA	DVPS 6A/12V or 3A/24V (75W) and12A/12V or 6A/24V (150W) E2 enclosure (Sielox SLX75/150-E2)	945.20	67.28
28 16 11 00-0425	EA	DVPS 6A/12V or 3A/24V (75W) and 20A/12V or 10A/24V (250W) E2 enclosure (Sielox SLX75/250-E2)	1,048.47	74.63
28 16 11 00-0426	EA	DVPS 8A/12V or 4A/24V (100W) and 8A/12V or 4A/24V (100W) E2 enclosure (Sielox SLX100/100-E2)	1,032.60	73.51
28 16 11 00-0427	EA	DVPS 8A/12V or 4A/24V (100W) and 12A/12V or 6A/24V (150W) E2 enclosure (Sielox SLX100/150-E2)	1,072.29	76.33
28 16 11 00-0428	EA	DVPS 8A/12V or 4A/24V (100W) and 16A/12V or 8A/24V (200W) E2 enclosure (Sielox SLX100/200-E2)	1,131.88	80.57
28 16 11 00-0429	EA	DVPS 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24V (150W) E2 enclosure (Sielox SLX150/150-E2)	1,112.01	79.17
28 16 11 00-0430	EA	DVPS 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24V (250W) E2 enclosure (Sielox SLX150/250-E2)	1,215.27	86.51

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0431	EA	DVPS 20A/12V or 10A/24V (250W) and 20A/12V or 10A/24V (250W) E2 enclosure (Sielox SLX250/250-E2)	1,318.54	93.87
28 16 11 00-0432	EA	DVPS 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24V (75W) E4 enclosure (Sielox SLX75/75-E4)	901.54	64.17
28 16 11 00-0433	EA	DVPS 6A/12V or 3A/24V (75W) and 12A/12V or 6A/24V (150W) E4 enclosure (Sielox SLX75/150-E4)	1,068.34	76.05
28 16 11 00-0434	EA	DVPS 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24V (150W) E4 enclosure (Sielox SLX150/150-E4)	1,235.14	87.93
28 16 11 00-0435	EA	DVPS 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24V (250W) E4 enclosure (Sielox SLX150/250-E4)	1,338.37	95.28
28 16 11 00-0436	EA	DVPS 20A/12V or 10A/24V (250W) and 20A/12V or 10A/24V (250W) E4 enclosure (Sielox SLX250/250-E4)	1,441.65	102.63
28 16 11 00-0437	EA	DVPS SLX/B100 Combination. Up To 2 Amperes At 12 Volt And 2 Amperes At 24 Volt System Backed Up With One Battery Set E1 Enclosure (Sielox SLX75-B100E1)	591.76	42.13
28 16 11 00-0438	EA	DVPS SLX/B100 combination. Up To 4 Amperes At 12 Volt And 4 Amperes At 24 Volt System Backed Up With One Battery Set E1 enclosure (Sielox SLX150-B100E1)	758.56	54.00
28 16 11 00-0439	EA	DVPS SLX/B100 Combination. Up To 4 Amperes At 12 Volt and 8 Amperes At 24 Volt System Backed Up With One Battery Set E1 Enclosure (Sielox SLX250-B100E1)	861.81	61.35
28 16 11 00-0440	EA	SLX75 and two (2) B100 modules with 5-18V adjustable output System can be backed up w/ one battery set E1 enclosure (Sielox SLX75-2B100E1)	698.99	49.76
28 16 11 00-0441	EA	SLX150 and two (2) B100 modules with 5-18V adjustable output System can be backed up w/ one battery set E1 enclosure (Sielox SLX150-2B100E1)	865.80	61.64
28 16 11 00-0442	EA	8 lock outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-C8E1)	635.44	45.24
28 16 11 00-0443	EA	8 lock outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-C8PE1)	635.44	45.24
28 16 11 00-0444	EA	8 lock outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-C8E1)	802.22	57.10
28 16 11 00-0445	EA	8 lock outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-C8PE1)	802.22	57.10
28 16 11 00-0446	EA	8 lock outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-C8E1)	905.49	64.46
28 16 11 00-0447	EA	8 lock outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-C8PE1)	905.49	64.46
28 16 11 00-0448	EA	16 lock outputs 6A/12V or 3A/24V fused at 3A E2 enclosure (Sielox SLX75-2C8E2)	873.72	62.20
28 16 11 00-0449	EA	16 lock outputs 6A/12V or 3A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX75-2C8PE2)	873.72	62.20
28 16 11 00-0450	EA	16 lock outputs 12A/12V or 6A/24V fused at 3A E2 enclosure (Sielox SLX150-2C8E2)	1,036.55	73.79
28 16 11 00-0451	EA	16 lock outputs 12A/12V or 6A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX150-2C8PE2)	1,036.55	73.79
28 16 11 00-0452	EA	16 lock outputs 20A/12V or 10A/24V fused at 3A E2 enclosure (Sielox SLX250-2C8E2)	1,139.83	81.13
28 16 11 00-0453	EA	16 lock outputs 20A/12V or 10A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX250-2C8PE2)	1,139.83	81.13
28 16 11 00-0454	EA	16 lock outputs 6A/12V or 3A/24V and 6A/12V or 3A/24V fused at 3A E2 enclosure (Sielox SLX75/75-2C8E2)	1,088.19	77.47
28 16 11 00-0455	EA	16 lock outputs 6A/12V or 3A/24V and 6A/12V or 3A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX75/75-2CP8E2)	1,088.19	77.47
28 16 11 00-0456	EA	16 lock outputs 12A/12V or 6A/24V and 12A/12V or 6A/24V fused at 3A E2 enclosure (Sielox SLX150/150-2C8E2)	1,421.78	101.21
28 16 11 00-0457	EA	16 lock outputs 12A/12V or 6A/24V and 12A/12V or 6A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX150/150-2C8PE2)	1,421.78	101.21
28 16 11 00-0458	EA	16 lock outputs 12A/12V or 6A/24V and 20A/12V or 10A/24V fused at 3A E2 enclosure (Sielox SLX150/250-2C8E2)	1,521.08	108.28
28 16 11 00-0459	EA	16 lock outputs 12A/12V or 6A/24V and 20A/12V or 10A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX150/250-2C8PE2)	1,521.08	108.28
28 16 11 00-0460	EA	8 FAI control outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-F8E1)	567.93	40.43
28 16 11 00-0461	EA	8 FAI control outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-F8PE1)	567.93	40.43
28 16 11 00-0462	EA	8 FAI control outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-F8E1)	734.74	52.31
28 16 11 00-0463	EA	8 FAI control outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-F8PE1)	734.74	52.31
28 16 11 00-0464	EA	8 FAI control outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-F8E1)	837.97	59.65
28 16 11 00-0465	EA	8 FAI control outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-F8PE1)	837.97	59.65
28 16 11 00-0466	EA	16 FAI control outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-2F8E1)	921.37	65.58
28 16 11 00-0467	EA	16 FAI control outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-2F8PE1)	921.37	65.58
28 16 11 00-0468	EA	4 lock outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-C4E1)	642.53	45.74
28 16 11 00-0469	EA	4 lock outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-C4PE1)	599.68	42.69
28 16 11 00-0470	EA	4 lock outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-C4E1)	766.49	54.56
28 16 11 00-0471	EA	4 lock outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-C4PE1)	766.49	54.56
28 16 11 00-0472	EA	4 lock outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-C4E1)	869.75	61.91
28 16 11 00-0473	EA	4 lock outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-C4PE1)	869.75	61.91
28 16 11 00-0474	EA	4 lock, 8 aux outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-C4D8E1)	837.97	59.65
28 16 11 00-0475	EA	4 lock, 8 aux outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-C4PD8PE1)	837.97	59.65
28 16 11 00-0476	EA	4 lock, 8 aux outputs 20A/12V or 10A/24V fused at 3A E1 enclosure (Sielox SLX250-C4D8E1)	941.24	67.01
28 16 11 00-0477	EA	4 lock, 8 aux outputs 20A/12V or 10A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX250-C4PD8PE1)	941.24	67.01
28 16 11 00-0478	EA	4 lock, 8 aux outputs 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24VA (75W) fused at 3A E1 enclosure (Sielox SLX75/75-C4D8E1)	885.63	63.05
28 16 11 00-0479	EA	4 lock, 8 aux outputs 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24VA (75W) pwr ltd at 2.5A E1 enclosure (Sielox SLX75/75-C4PD8PE1)	885.63	63.05
28 16 11 00-0480	EA	4 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24VA (150W) fused at 3A E2 enclosure (Sielox SLX150/150-C4D8E2)	1,302.63	92.74
28 16 11 00-0481	EA	4 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24VA (150W) pwr ltd at 2.5A E2 enclosure (Sielox SLX150/150-C4PD8PE2)	1,302.63	92.74
28 16 11 00-0482	EA	4 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24VA (250W) fused at 3A E2 enclosure (Sielox SLX150/250-C4D8E2)	1,401.94	99.80
28 16 11 00-0483	EA	4 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24VA (250W) pwr ltd at 2.5A E2 enclosure (Sielox SLX150/250-C4PD8PE2)	1,401.94	99.80
28 16 11 00-0484	EA	4 lock, 8 aux outputs 2A /12V and 2A/24V fused at 3A system backed up with one battery set E1 enclosure (Sielox SLX75-B100C4D8E1)	778.40	55.41
28 16 11 00-0485	EA	4 lock, 8 aux outputs 2A /12V and 2A/24V pwr ltd at 2.5A system backed up with one battery set E1 enclosure (Sielox SLX75-B100C4PD8PE1)	778.40	55.41
28 16 11 00-0486	EA	8 lock outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-C8E1)	635.44	45.24
28 16 11 00-0487	EA	8 lock outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-C8PE1)	635.44	45.24
28 16 11 00-0488	EA	8 lock outputs 12A/12V or 6A/24V fused at 3A E1 enclosure (Sielox SLX150-C8E1)	802.22	57.10
28 16 11 00-0489	EA	8 lock outputs 12A/12V or 6A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX150-C8PE1)	802.22	57.10
28 16 11 00-0490	EA	8 lock, 8 aux outputs 6A/12V or 3A/24V fused at 3A E1 enclosure (Sielox SLX75-C8D8E1)	706.91	50.32
28 16 11 00-0491	EA	8 lock, 8 aux outputs 6A/12V or 3A/24V pwr ltd at 2.5A E1 enclosure (Sielox SLX75-C8PD8PE1)	706.91	50.32
28 16 11 00-0492	EA	8 lock, 8 aux outputs 12A/12V or 6A/24V fused at 3A E2 enclosure (Sielox SLX150-C8D8E2)	957.12	68.13
28 16 11 00-0493	EA	8 lock, 8 aux outputs 12A/12V or 6A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX150-C8PD8PE2)	957.12	68.13
28 16 11 00-0494	EA	8 lock, 8 aux outputs 20A/12V or 10A/24V fused at 3A E2 enclosure (Sielox SLX250-C8D8E2)	1,056.42	75.21
28 16 11 00-0495	EA	8 lock, 8 aux outputs 20A/12V or 10A/24V pwr ltd at 2.5A E2 enclosure (Sielox SLX250-C8PD8PE2)	1,056.42	75.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0496	EA	8 lock, 8 aux outputs 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24V (75W) fused at 3A E2 enclosure (Sielox SLX75/75-C8D8E2)	1,004.78	71.53
28 16 11 00-0497	EA	8 lock, 8 aux outputs 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24V (75W) pwr ltd at 2.5A E2 enclosure (Sielox SLX75/75-C8PD8PE2)	1,004.78	71.53
28 16 11 00-0498	EA	8 lock, 8 aux outputs 6A/12V or 3A/24V (75W) and 12A/12V or 6A/24V (150W) fused at 3A E2 enclosure (Sielox SLX75/150-C8D8E2)	1,171.57	83.39
28 16 11 00-0499	EA	8 lock, 8 aux outputs 6A/12V or 3A/24V (75W) and 12A/12V or 6A/24V (150W) pwr ltd at 2.5A E2 enclosure (Sielox SLX75/150-C8PD8PE2)	1,171.57	83.39
28 16 11 00-0500	EA	8 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24V (150W) fused at 3A E2 enclosure (Sielox SLX150/150-C8D8E2)	1,338.37	95.28
28 16 11 00-0501	EA	8 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24V (150W) pwr ltd at 2.5A E2 enclosure (Sielox SLX150/150-C8PD8PE2)	1,338.37	95.28
28 16 11 00-0502	EA	8 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24V (250W) fused at 3A E2 enclosure (Sielox SLX150/250-C8D8E2)	1,441.65	102.63
28 16 11 00-0503	EA	8 lock, 8 aux outputs 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24V (250W) pwr ltd at 2.5A E2 enclosure (Sielox SLX150/250-C8PD8PE2)	1,441.65	102.63
28 16 11 00-0504	EA	8 lock, 8 aux outputs 20A/12V or 10A/24V (250W) and 20A/12V or 10A/24V (250W) fused at 3A E2 enclosure (Sielox SLX250/250-C8D8E2)	1,540.91	109.70
28 16 11 00-0505	EA	8 lock, 8 aux outputs 20A/12V or 10A/24V (250W) and 20A/12V or 10A/24V (250W) pwr ltd at 2.5A E2 enclosure (Sielox SLX250/250-C8PD8PE2)	1,540.91	109.70
28 16 11 00-0506	EA	8 lock, 8 aux outputs 4A /12V and 4A/24V fused at 3A system backed up with one battery set E2 enclosure (Sielox SLX150-B100C8D8E2)	1,064.35	75.77
28 16 11 00-0507	EA	8 lock, 8 aux outputs 4A /12V and 4A/24V pwr ltd at 2.5A system backed up with one battery set E2 enclosure (Sielox SLX150-B100C8PD8PE2)	1,064.35	75.77
28 16 11 00-0508	EA	8 lock, 8 aux outputs 4A /12V and 8A/24V fused at 3A system backed up with one battery set E2 enclosure (Sielox SLX250-B100C8D8E2)	1,167.61	83.12
28 16 11 00-0509	EA	8 lock, 8 aux outputs 4A /12V and 8A/24V pwr ltd at 2.5A system backed up with one battery set E2 enclosure (Sielox SLX250-B100C8PD8PE2)	1,167.61	83.12
28 16 11 00-0510	EA	16 lock, 16 aux outputs 12A/12V or 6A/24V fused at 3A E4 enclosure (Sielox SLX150-2C82D8E4)	1,302.63	92.74
28 16 11 00-0511	EA	16 lock, 16 aux outputs 12A/12V or 6A/24V pwr ltd at 2.5A E4 enclosure (Sielox SLX150-2C8P2D8PE4)	1,302.63	92.74
28 16 11 00-0512	EA	16 lock, 16 aux outputs 20A/12V or 10A/24V fused at 3A E4 enclosure (Sielox SLX250-2C82D8E4)	1,405.90	100.08
28 16 11 00-0513	EA	16 lock, 16 aux outputs 20A/12V or 10A/24V pwr ltd at 2.5A E4 enclosure (Sielox SLX250-2C8P2D8PE4)	1,405.90	100.08
28 16 11 00-0514	EA	16 lock, 16 aux outputs 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24V (75W) fused at 3A E4 enclosure (Sielox SLX75/75-2C82D8E4)	1,350.30	96.13
28 16 11 00-0515	EA	16 lock, 16 aux outputs 6A/12V or 3A/24V (75W) and 6A/12V or 3A/24V (75W) pwr ltd at 2.5A E4 enclosure (Sielox SLX75/75-2C8P2D8PE4)	1,350.30	96.13
28 16 11 00-0516	EA	16 lock, 16 aux outputs 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24V (150W) fused at 3A E4 enclosure (Sielox SLX150/150-2C82D8E4)	1,683.89	119.87
28 16 11 00-0517	EA	16 lock, 16 aux outputs 12A/12V or 6A/24V (150W) and 12A/12V or 6A/24V (150W) pwr ltd at 2.5A E4 enclosure (Sielox SLX150/150-2C8P2D8PE4)	1,683.89	119.87
28 16 11 00-0518	EA	16 lock, 16 aux outputs 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24V (250W) fused at 3A E4 enclosure (Sielox SLX150/250-2C82D8E4)	1,787.16	127.22
28 16 11 00-0519	EA	16 lock, 16 aux outputs 12A/12V or 6A/24V (150W) and 20A/12V or 10A/24V (250W) pwr ltd at 2.5A E4 enclosure (Sielox SLX150/250-2C8P2D8PE4)	1,787.16	127.22
28 16 11 00-0520	EA	16 lock, 16 aux outputs 20A/12V or 10A/24V (250W) and 20A/12V or 10A/24V (250W) fused at 3A E4 enclosure (Sielox SLX250/250-2C82D8E4)	1,890.43	134.57
28 16 11 00-0521	EA	16 lock, 16 aux outputs 20A/12V or 10A/24V (250W) and 20A/12V or 10A/24V (250W) pwr ltd at 2.5A E4 enclosure (Sielox SLX250/250-2C8P2D8PE4)	1,890.43	134.57
28 16 11 00-0522	EA	AC-1700 Controller Board - Includes 1 GB SD Card, connector kit, and fuse. (Sielox AC-1700-NN-2)	1,682.92	119.81
28 16 11 00-0523	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs. Includes Sielox Large Enclosure And 12 Volt DC Transformer (Sielox AC-1700-LS-2)	2,424.61	172.59
28 16 11 00-0524	EA	4-Reader Ethernet/RS485 Kit:Supports 4 Door Strikes, 4 Door Contacts, 4 REX Inputs, 8 Sup./Unsup. Inputs, 8 Sup./Unsup. Outputs. Includes Sielox Large Enclosure And 12 Volt DC Transformer (Sielox AC-1700-LS-4)	4,107.52	292.40
28 16 11 00-0525	EA	6-Reader Ethernet/RS485 Kit:Supports 6 Door Strikes, 6 Door Contacts, 6 REX Inputs, 12 Sup./Unsup. Inputs, 12 Sup./Unsup. Outputs. Includes Sielox Large Enclosure And 12 Volt DC Transformer (Sielox AC-1700-LS-6)	5,790.42	412.20
28 16 11 00-0526	EA	8-Reader Ethernet/RS485 Kit: Supports 8 Door Strikes, 8 Door Contacts, 8 REX Inputs, 16 Sup./Unsup. Inputs, 16 Sup./Unsup. Outputs . Includes Sielox Large Enclosure And 12 Volt DC Transformer (Sielox AC-1700-LS-8)	7,473.34	532.01
28 16 11 00-0527	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs. Includes Sielox Large Enclosure (Sielox AC-1700-LN-2)	2,129.70	151.62
28 16 11 00-0528	EA	4-Reader Ethernet/RS485 Kit: Supports 4 Door Strikes, 4 Door Contacts, 4 REX Inputs, 8 Sup./Unsup. Inputs, 8 Sup./Unsup. Outputs. Includes Sielox Large Enclosure (Sielox AC-1700-LN-4)	3,812.63	271.40
28 16 11 00-0529	EA	6-Reader Ethernet/RS485 Kit: Supports 6 Door Strikes, 6 Door Contacts, 6 REX Inputs, 12 Sup./Unsup. Inputs, 12 Sup./Unsup. Outputs. Includes Sielox Large Enclosure (Sielox AC-1700-LN-6)	5,495.54	391.22
28 16 11 00-0530	EA	8-Reader Ethernet/RS485 Kit: Supports 8 Door Strikes, 8 Door Contacts, 8 REX Inputs, 16 Sup./Unsup. Inputs, 16 Sup./Unsup. Outputs . Includes Sielox Large Enclosure (Sielox AC-1700-LN-8)	7,178.47	511.01
28 16 11 00-0531	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs. Includes Sielox Small Enclosure Holds 1 Controller. (Sielox AC-1700-SN-2)	2,040.35	145.24
28 16 11 00-0532	EA	2-Reader Ethernet/RS485 Kit: Supports 2 Door Strikes, 2 Door Contacts, 2 REX Inputs, 4 Sup./Unsup. Inputs, 4 Sup./Unsup. Outputs. Includes Sielox Small Enclosure And 12V 5A Transformer. Holds 1 Controller. (Sielox AC-1700-SS-2)	2,335.22	166.24
28 16 11 00-0533	EA	I/O Monting Plate - For Installation of BP5 or BP7 back planes in the AC-1700 large enclosure (Sielox AC-1700-IOMP)	119.14	8.47
28 16 11 00-0534	EA	AC-1700 I/O Backplane with capacity for: 7 I/O Modules in any combination, Requires Enclosure, Mounting Plate, I/O Modules, 1700 Controller and Power Supply (Sielox AC-1700-BP7I/O)	455.72	32.44
28 16 11 00-0535	EA	Input Expansion Kit - AC-INP Input Module and Connectors - 8 Inputs (Supervised /Unsupervised) For AC1700, AC1500, And AC1200 I/O Backplanes (Sielox AC-IEK)	402.12	28.63
28 16 11 00-0536	EA	Output Expansion Kit - AC-OUT Output Module and Connectors - 8 Outputs. For AC1700, AC1500, And AC1200 I/O Backplanes (Sielox AC-OEK)	446.79	31.81
28 16 11 00-0537	EA	6 and 12 Volt DC Power Regulator and Battery charger for AC-1700 And AC1500 Backplanes only! It includes an AC fail output. AC-PWRS not included. Required for Power. (Sielox AC-PRDUAL)	414.03	29.47
28 16 11 00-0538	EA	2-Door Pinnacle Ultra Package, 1- Controller (6201700), Small Enclosure Kit (6800111), and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PULS-1700-2D)	2,662.88	189.56
28 16 11 00-0539	EA	2- Door Pinnacle Ultra Package, 1-Controller (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PULL-1700-2D)	2,752.24	195.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0540	EA	4- Door Pinnacle Ultra Package, 2- Controllers (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PULL-1700-4D)	4,435.17	315.72
28 16 11 00-0541	EA	6- Door Pinnacle Ultra Package, 3 - Controllers (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PULL-1700-6D)	6,118.08	435.53
28 16 11 00-0542	EA	8 Door Pinnacle Ultra Package, 4- Controllers (6201700) with Large Enclosure (6800110) and 12 Volt DC Transformer (7209926) (Sielox AC-PULL-1700-8D)	7,801.00	555.32
28 16 11 00-0543	EA	2-Door Pinnacle Lite package, 1- Controller (6201700), Small Enclosure Kit (6800111), 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PLTS-1700-2D)	3,109.67	221.37
28 16 11 00-0544	EA	2- Door Pinnacle Lite Package, 1-Controller (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PLTL-1700-2D)	3,199.03	227.73
28 16 11 00-0545	EA	4- Door Pinnacle Lite Package, 2-Controllers (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PLTL-1700-4D)	4,881.94	347.53
28 16 11 00-0546	EA	6- Door Pinnacle Lite Package, 3 - Controllers (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PLTL-1700-6D)	6,564.87	467.33
28 16 11 00-0547	EA	8- Door Pinnacle Lite Package, 4 - Controllers (6201700) with Large Enclosure (6800110) and 12 Volt DC Plugin Transformer (7209926). (Sielox AC-PLTL-1700-8D)	8,247.79	587.13
28 16 11 00-0548	EA	Badging for Pinnacle Lite (per concurrent user) (Sielox AC-BLT)	1,474.42	104.96
28 16 11 00-0549	EA	Badging for Pinnacle Standard Software (per concurrent user) (Sielox AC-BST)	1,638.23	116.63
28 16 11 00-0550	EA	Badging for Pinnacle Plus Software (per concurrent user) (Sielox AC-BPL)	1,831.86	130.41
28 16 11 00-0551	EA	Badging for Pinnacle Professional Software (per concurrent user) (Sielox AC-BPR)	2,367.99	168.57
28 16 11 00-0552	EA	Workstations for Pinnacle Standard (per Concurrent User) (Sielox AC-WST)	1,772.27	126.16
28 16 11 00-0553	EA	Workstations for Pinnacle Plus (per Concurrent User) (Sielox AC-WPL)	2,070.15	147.37
28 16 11 00-0554	EA	Workstations for Pinnacle Professional (per Concurrent User) (Sielox AC-WPR)	2,367.99	168.57
28 16 11 00-0555	EA	Workstations for Pinnacle Standard (per two Concurrent Users) (Sielox AC-WST2)	2,531.84	180.23
28 16 11 00-0556	EA	Workstations for Pinnacle Plus (per two Concurrent Users) (Sielox AC-WPL2)	3,127.55	222.64
28 16 11 00-0557	EA	Workstations for Pinnacle Professional (per two Concurrent Users) (Sielox AC-WPR2)	3,723.28	265.05
28 16 11 00-0558	EA	Workstations for Pinnacle Standard (per five Concurrent Users) (Sielox AC-WST5)	4,021.12	286.25
28 16 11 00-0559	EA	Workstations for Pinnacle Plus (per five Concurrent Users) (Sielox AC-WPL5)	5,808.29	413.47
28 16 11 00-0560	EA	Workstations for Pinnacle Professional (per five Concurrent Users) (Sielox AC-WPR5)	7,446.55	530.10
28 16 11 00-0561	EA	Pinnacle Lite Software [32 readers / 2K cards] A single user system includes license for 1 single operator only, installation and PDF user manuals (Sielox AC-PLT)	863.80	61.49
28 16 11 00-0562	EA	Pinnacle Standard Software [64 readers / 4K cards] A multiple user system that Includes 2 operators (1 server license and 1 workstation seat license), installation and PDF user manual. (Sielox AC-PNST)	1,787.16	127.22
28 16 11 00-0563	EA	Pinnacle Plus Software [128 readers / 10K cards] A multiple user system that includes 2 operators (1 server license and 1 workstation seat license), installation and PDF user manuals. (Sielox AC-PNPL)	3,797.73	270.35
28 16 11 00-0564	EA	Pinnacle Professional Software [unlimited readers and cards] A multiple user system that includes 2 operators (1 server license and 1 workstation seat license), installation and PDF user manuals. (Sielox AC-PNPR)	10,320.89	734.71
28 16 11 00-0565	EA	Pinnacle Ultra From a Bundled Package to Pinnacle Lite (Sielox AC-PNUL2LT)	595.73	42.40
28 16 11 00-0566	EA	Pinnacle Lite to Pinnacle Standard (Sielox AC-PNLT2STA)	1,489.32	106.02
28 16 11 00-0567	EA	Pinnacle Standard to Pinnacle Plus (Sielox AC-PNST2PL)	2,233.96	159.02
28 16 11 00-0568	EA	Pinnacle Plus to Pinnacle Professional (Sielox AC-PNPL2PR)	8,191.17	583.11
28 16 11 00-0569	EA	Database Partitioning Option: Partition database by dividing a single system into multiple segments that can be independently operated and managed. A resulting partition consists of cardholders, cardholder custom fields, devices, access levels, time zones, holidays, and filters. (Sielox AC-DBPART)	1,489.32	106.02
28 16 11 00-0570	EA	SDK Licensing with 3 hours of phone support - A software development kit with library calls for developing standalone applications for qualified programmers via a separate licensing agreement (Sielox AC-PINSDK)	5,942.33	423.02
28 16 11 00-0571	EA	Pinnacle Data Exchange -This Application allows data exchange from third party databases into Pinnacle. Automatically or manually Add, Delete or Modify cardholder's database. (Sielox AC-DETEX)	1,489.32	106.02
28 16 11 00-0572	EA	Pinnacle Data Exchange Professional Services -Includes the Initial Setup and Configuration of the Data Exchange . If additional support is needed refer to the Professional Services Support Offerings part # 569936. (Sielox AC-DATEXPS)	4,453.04	316.99
28 16 11 00-0573	EA	Pinnacle Data Exchange Kit -Includes Data Exchange and Professional Services (Sielox AC-DATEXKIT)	5,942.33	423.02
28 16 11 00-0574	EA	AC-1700 Large Enclosure. Holds up to 4 controllers. -Dimensions: 17" x 22" x 3.5" (40.64 cm x 50.80 cm x 8.99 cm) (Sielox AC-1700ENCL)	446.79	31.81
28 16 11 00-0575	EA	AC-1700 Small Enclosure. Holds 1 controller - Dimensions: 12" x 12" x 3.5" (30.48 cm x 30.48 cm x 8.89 cm) (Sielox AC-1700ENCS)	357.43	25.44
28 16 11 00-0576	EA	Retrofit Mounting Plate - For mounting up to 4 AC-1700 controller boards in the AC-1500 large enclosure or other large enclosures. (Sielox AC-1700-RMP-2)	119.14	8.47
28 16 11 00-0577	EA	Mounting Plate - For a single AC-1700 Controller Board (Sielox AC-1700-MP)	89.35	6.36
28 16 11 00-0578	EA	Pinnacle Argos License upgrade to 64 cameras - Requires Pinnacle Standard License (Sielox AC-ARGOS64)	744.66	53.02
28 16 11 00-0579	EA	Pinnacle Argos License upgrade to 128 cameras -Requires Pinnacle Plus License (Sielox AC-ARGOS128)	1,489.32	106.02
28 16 11 00-0580	EA	Pinnacle Argos License upgrade to Unlimited cameras -Requires Pinnacle Professional License (Sielox AC-ARGOSUNL)	4,467.93	318.06
28 16 11 00-0581	EA	Hardware COM Server Option : Distribute controllers around multi-hardware servers to enhance communication efficiency. Link inputs and outputs between different hardware servers. Note #1: Available for licensing with Pinnacle Professional only. Note #2: A workstation (client) license is only used up if the Pinnacle GUI is also being run on a Hardware COM server. (Sielox AC-HWSRV)	3,023.30	215.22
28 16 11 00-0582	EA	Panel Interface Module (Sielox PIM400-485-RSI)	2,602.25	185.24
28 16 11 00-0583	EA	Mifare Smart Cards (Sielox XF9551)	7.82	0.56
28 16 11 00-0584	EA	AD-400 Lock (Sielox AD-400-MS-70-MTK-SPA-626-RD-EV29S-S123-RH-4B-09-663-10-072-13?4)	4,220.98	300.48
28 16 11 00-0585	EA	AD-400 Lock (Sielox AD-400-CY-70-MT-SPA-626-LD-RH-4B-13-049-10-025-1 3/4)	3,512.67	250.05
28 16 11 00-0586	EA	AD-400 Lock (Sielox AD-400-CY-70-MSK-SPA-626-PD-EV29S-S123-RH-4B-13-049-10-025-1 3/4)	3,562.72	253.62
28 16 11 00-0587	EA	NDE Lock (Sielox NDE-80-PD-SPA-626-SPA-626-13-047-10-130-S123)	1,458.97	103.86
28 16 11 00-0588	EA	NDE Lock (Sielox NDE-80-LD-SPA-626-SPA-626-13-047-10-130-S123)	1,356.95	96.60
28 16 11 00-0589	EA	NDE Engage Gateway (Sielox NDE Engage Gateway)	1,653.36	117.70
28 16 11 00-0590	EA	aptiQ Reader (Sielox MT15)	379.18	26.99
28 16 11 00-0591	EA	aptiQ Reader (Sielox MTK15)	615.92	43.85
28 16 11 00-0592	EA	AD Series Network Hardwired Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD300-CY-70-MT-SPA-626-BD-RH-13-049-10-025-1 3/4)	2,366.52	168.47
		Note: Includes Sparta Lever with a Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0593	EA	AD Series Network Hardwired Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD300-CY-70-MT-SPA-626-JD-RH-13-049-10-025-1 3/4) Note: Includes Sparta Lever with a Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,326.24	165.60
28 16 11 00-0594	EA	AD Series Network Hardwired Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD300-CY-70-MT-SPA-626-PD S123-RH-13-049-10-025-1 3/4) Note: Includes Sparta Lever with a Satin Chrome Finish, Full Cylinder, 6 Pin SFIC Core, Everest 29 Keyway Type, Right handed, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,366.52	168.47
28 16 11 00-0595	EA	AD Series Network Hardwired Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad (Sielox AD300-CY-70-MTK-SPA-626-BD-RH-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,442.90	173.91
28 16 11 00-0596	EA	AD Series Network Hardwired Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad (Sielox AD300-CY-70-MTK-SPA-626-JD-RH-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,402.63	171.04
28 16 11 00-0597	EA	AD Series Network Hardwired Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad (Sielox AD300-CY-70-MTK-SPA-626-PD S123-RH-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Full Cylinder, 6 Pin SFIC Core, Everest 29 Keyway Type, Right Handed, Backset And Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,442.90	173.91
28 16 11 00-0598	EA	AD Series Network Hardwired Lock, Exit Trim - Rim/CVR/CVC, Classroom/Storeroom Function, Multi-Technology Reader, Rhodes Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed Reverse, Door Thickness (1-3/4") (Sielox AD300-993R-70-MT-RHO-626-BD-RHR-1 3/4)	2,741.49	195.15
28 16 11 00-0599	EA	AD Series Networked Hardwired Lock, Exit Trim - SVR, Classroom/Storeroom Function, Multi-Technology Reader, Rhodes Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed Reverse, Door Thickness (1-3/4") (Sielox AD300-993S-70-MT-RHO-626-BD-RHR-1 3/4)	2,777.60	197.73
28 16 11 00-0600	EA	AD Series Networked Hardwired Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, Mortise Lock Armor Front (1-1/4" wide square corner, latch for MS), Strike Plate (1-3/16" lip, 1-1/4" x 4-7/8" square corner box), Door Thickness (1-3/4") (Sielox AD300-MS-70-MT-SPA-626-BD-RH-09-663-10-072-1 3/4)	2,681.77	190.91
28 16 11 00-0601	EA	AD Series Networked Hardwired Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, Mortise Lock Armor Front (1-1/4" wide square corner, latch for MS), Strike Plate (1-3/16" lip, 1-1/4" x 4-7/8" square corner box), Door Thickness (1-3/4") (Sielox AD300-MS-70-MT-SPA-626-JD-RH-09-663-10-072-1 3/4)	2,641.48	188.04
28 16 11 00-0602	EA	AD Series Networked Hardwired Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, Mortise Lock Armor Front (1-1/4" wide square corner, latch for MS), Strike Plate (1-3/16" lip, 1-1/4" x 4-7/8" square corner box), Door Thickness (1-3/4") (Sielox AD300-MS-70-MT-SPA-626-PD S123-RH-09-663-10-072-1 3/4)	2,681.77	190.91
28 16 11 00-0603	EA	AD Series Networked Hardwired Mortise Lock, Classroom/Storeroom Funciton, Multi-Technology Reader with Keypad, Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, Mortise Lock Armor Front (1-1/4" wide square corner, latch for MS), Strike Plate (1-3/16" lip, 1-1/4" x 4-7/8" square corner box), Door Thickness (1-3/4") (Sielox AD300-MS-70-MTK-SPA-626-BD-RH-09-663-10-072-1 3/4)	2,758.15	196.35
28 16 11 00-0604	EA	AD Series Networked Hardwired Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, Mortise Lock Armor Front (1-1/4" wide square corner, latch for MS), Strike Plate (1-3/16" lip, 1-1/4" x 4-7/8" square corner box), Door Thickness (1-3/4") (Sielox AD300-MS-70-MTK-SPA-626-JD-RH-09-663-10-072-1 3/4)	2,717.87	193.48
28 16 11 00-0605	EA	AD Series Networked Hardwired Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, Mortise Lock Armor Front (1-1/4" wide square corner, latch for MS), Strike Plate (1-3/16" lip, 1-1/4" x 4-7/8" square corner box), Door Thickness (1-3/4") (Sielox AD300-MS-70-MTK-SPA-626-PD S123-RH-09-663-10-072-1 3/4)	2,758.15	196.35
28 16 11 00-0606	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD400-CY-70-MT-SPA-626-BD-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,608.17	185.66
28 16 11 00-0607	EA	AD Series Networked Wireless Cylindral Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD400-CY-70-MT-SPA-626-JD-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,567.89	182.80
28 16 11 00-0608	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD400-CY-70-MT-SPA-626-PD S123-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,608.17	185.66
28 16 11 00-0609	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad (Sielox AD400-CY-70-MTK-SPA-626-BD-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,684.54	191.10
28 16 11 00-0610	EA	AD Serires Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad (Sielox AD400-CY-70-MTK-SPA-626-JD-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,644.27	188.23
28 16 11 00-0611	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad (Sielox AD400-CY-70-MTK-SPA-626-PD S123-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,684.54	191.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0612	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD-400-CY-70-MT-RHO-626-BD-RH-4B-13-049-10-025-1 3/4) Note: Includes Rhodes Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,608.17	185.66
28 16 11 00-0613	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Athens Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core (Sielox AD400-CY-70-MTK-ATH-626-JD)	2,644.27	188.23
28 16 11 00-0614	EA	AD Series Networked Wirless Lock, Exit Trim - Rim/CVR/CVC, Classroom/Storeroom Function, Multi-Technology Reader, Rhodes Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed Reverse, 4AA Battery Kit, Door Thickness (1-3/4") (Sielox AD400-993R-70-MT-RHO-626-BD-RHR-4B-1 3/4)	3,005.36	213.94
28 16 11 00-0615	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Multi-Technology Reader (Sielox AD400-CY-70-MT-SPA-626-LD-RH-4B-13-049-10-025- 1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin Key-in-Lever, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,534.56	180.42
28 16 11 00-0616	EA	AD Series Networked Wireless Cylindrical Lock, Classroom/Storeroom Function, Magnetic Stripe + Keypad (Swipe) (Sielox AD400-CY-70-MSK-SPA-626-PD-EV29S-S123-RH-4B-13-049-10-025-1 3/4) Note: Includes Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, 4AA Battery Kit, Backset and Latchbolt (2-3/4" backset, deadlatch, square corner, 1-1/8"x 2-1/4"), Strike Plate (1-3/16" Lip, ANSI, no box, 1-1/14" x 4-7/8"), Door Thickness (1-3/4")	2,570.67	182.99
28 16 11 00-0617	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MT-SPA-626-BD-RH-4B-09-663-10-072-1 3/4)	2,924.80	208.21
28 16 11 00-0618	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MT-SPA-626-JD-RH-4B-09-663-10-072-1 3/4)	2,884.52	205.34
28 16 11 00-0619	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MT-SPA-626-PD S123-RH-4B-09-663-10-072-1 3/4)	2,924.80	208.21
28 16 11 00-0620	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Sparta Lever with Satin Chrome Finish, Less Cylinder, 7 Pin SFIC Core, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MTK-SPA-626-BD-RH-4B-09-663-10-072-1 3/4)	3,001.20	213.65
28 16 11 00-0621	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Sparta Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MTK-SPA-626-JD-RH-4B-09-663-10-072-1 3/4)	2,960.92	210.78
28 16 11 00-0622	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Sparta Lever with Satin Chrome Finish, 6 Pin Full Cylinder with Everest 29 Keyway Type, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MTK-SPA-626-PD S123-RH-4B-09-663-10-072-1 3/4)	3,001.20	213.65
28 16 11 00-0623	EA	AD Series Networked Wireless Mortise Lock, Classroom/Storeroom Function, Multi-Technology Reader, Sparta Lever with Satin Chrome Finish, With Cylinder, Everest 29 Keyway Type, 6 Pin SFIC Core, Right Handed, 4AA Battery Kit, Mortise Lock Armor Front (1-1/4" Wide Square Corner, Latch for MS), Strike Plate (1-3/16" Lip, 1-1/4" x 4-7/8", Square Corner Box), Door Thickness (1-3/4") (Sielox AD400-MS-70-MTK-SPA-626-RD-EV29S-S123-RH-4B-09-663-10-072-1 3/4)	3,045.63	216.81
28 16 11 00-0624	EA	AD Serires Networked Wireless Lock, Exit Trim - Mortise, Classroom/Storeroom Function, Multi-Technology Reader with Keypad, Athens Lever with Satin Chrome Finish, Less Cylinder, 6 Pin SFIC Core, Everest 29 Keyway Type, Right Handed (Sielox AD400-993M-70-MTK-ATH-626-JD-S123-RH)	2,962.31	210.88
28 16 11 00-0625	EA	NDE Series Wireless Lock, Storeroom with Vandigard Function, Less Cylinder, 7 Pin SFIC Core, Sparta Lever with Satin Chrome Finish, Backset and Latchbolt (2-3/4" Backeset, Deadlatch, Square Corner, 1-1/8" x 2-1/4" Standard), Strike Plate (1-3/16" Lip, ANSI, DPS Magnets, no box, 1-1/4" x 4-7/8" Standard) (Sielox NDE-80-BD-SPA-626-13-047-10-130)	1,057.74	75.29
28 16 11 00-0626	EA	NDE Series Wireless Lock, Storeroom with Vandigard Function, Less Cylinder, 6 Pin SFIC Core, Sparta Lever with Satin Chrome Finish, Backset and Latchbolt (2-3/4" Backeset, Deadlatch, Square Corner, 1-1/8" x 2-1/4" Standard), Strike Plate (1-3/16" Lip, ANSI, DPS Magnets, no box, 1-1/4" x 4-7/8" Standard) (Sielox NDE-80-JD-SPA-626-13-047-10-130)	1,017.28	72.42
28 16 11 00-0627	EA	NDE Series Wireless Lock, Storeroom with Vandigard Function, 6 Pin Full Cylinder SFIC Core, Sparta Lever with Satin Chrome Finish, Backset and Latchbolt (2-3/4" Backeset, Deadlatch, Square Corner, 1-1/8" x 2-1/4" Standard), Strike Plate (1-3/16" Lip, ANSI, DPS Magnets, no box, 1-1/4" x 4-7/8" Standard) (Sielox NDE-80-PD-SPA-626-13-047-10-130-S123)	1,057.74	75.29
28 16 11 00-0628	EA	Handheld, battery-operated unit with Multi-Technology Reader Module (Sielox WPR400-MT)	2,372.06	168.86
28 16 11 00-0629	EA	Handheld, Battery-operated unit with Multi-Technology with Keypead Reader Module (Sielox WPR400-MTK)	2,448.46	174.29
28 16 11 00-0630	EA	Pre-Installed Test Kit: Complete with WPR400-DT, PIM400-TD2, 593PI Power Supply, Charger, Carrying Case (Sielox TK400)	1,988.75	141.58
28 16 11 00-0631	EA	Compatible with Wiegand or Clock And Data (Sielox WRI400) Note: Includes Weatherproof Enclosure, inputs for two parallel readers. Requires 12 or 24 Volt DC Power Supply	1,198.54	85.32
28 16 11 00-0632	EA	12 Volt DC Power Supply; Includes WRI400, PIM400-TD2, ANT400-REM-I/O (Sielox ECK400)	3,380.35	240.64
28 16 11 00-0633	EA	12 Volt DC Power Supply; Includes WRI400, PIM400-TD2, ANT400-REM-I/O, MGB+MCA5 (Sielox GCK400)	3,530.33	251.31
28 16 11 00-0634	EA	Wiegand or Clock And Data Output (Sielox PIB300-2D) Note: Includes Weatherproof Enclosure (7.1" x 7.1"), RS485 Input, Requires 12 or 24 Volt DC Power Supply. Supports up to two AD-300 Locks.	574.97	40.93
28 16 11 00-0635	EA	Used to power PIM-TD2, PIM-TD4, PIM-EXP, WRI-OTD-12 Volt DC, and WRI-IN-12 Volt DC as well as PIM400 and WRI400 (Sielox 593PI-12DC)	140.27	9.99
28 16 11 00-0636	EA	USB Cable, Handheld Device, With SUS Installed and HH-USB Cable (Sielox HHD-Kit-USB)	1,494.34	106.38
28 16 11 00-0637	EA	Classroom/Storeroom Functions (Cylindrical, Mortise and Exit Chassis), Privacy/Apartment Functions (Mortise Deadbolt Chassis) (Sielox COM400L)	436.08	31.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0638	EA	Classroom/Storeroom Functions (Cylindrical, Mortise and Exit Chassis), Privacy/Apartment Functions (Mortise Deadbolt Chassis) (Sielox COM300L)	402.76	28.68
28 16 11 00-0639	EA	Single Solution that reads 125 KHz Proximity and 13.56 MHz smart credentials (Sielox MT)	851.33	60.61
28 16 11 00-0640	EA	Single Solution that reads 125 KHz Proximity and 13.56 MHz smart credentials, comes with 12 button keypad (Sielox MTK)	927.70	66.05
28 16 11 00-0641	EA	Electromagnetic Lock, Automatic Voltage Selection, Magnetic Bond Sensor, Door Status Monitor, 628 Satin Aluminum Finish (Sielox M390RFK)	1,047.16	74.55
28 16 11 00-0642	EA	Electromagnetic Lock, Automatic Voltage Selection (Sielox M420)	645.80	45.97
28 16 11 00-0643	EA	Electromagnetic Lock, Automatic Voltage Selection, Door Status Monitor (DSM), Magnetic Bond Sensor (MBS), Relocking Time Delay (RTD) (Sielox M420P)	890.22	63.38
28 16 11 00-0644	EA	Electromagnetic Lock, Automatic Voltage Selection (Sielox M490)	808.29	57.54
28 16 11 00-0645	EA	Electromagnetic Lock, Automatic Voltage Selection, Door Status Monitor (DSM), Magnetic Bond Sensor (MBS), Relocking Time Delay (RTD) (Sielox M490P)	1,047.16	74.55

28 16 11 00-0646 Exterior Mounting Posts For Door Operator Access Controls *(28 16 11)*

Note: For Use With card reader, intercom, camera, keypad, door exit button, door open button. Excludes concrete pads and electrical connections.

28 16 11 00-0647	EA	4" x 4" x 47" Tall, In-Ground, Stainless Steel, Tower Pedestal Post (Pedestal Pro ADA-SS-TWR-47x4x4) Note: For door keypad or card reader operator access controls	1,004.49	58.33
		For Surface Mount With Baseplate And Bolts, Add	*128.17*	
28 16 11 00-0648	EA	4" x 6" x 47" Tall, In-Ground, Stainless Steel, Tower Pedestal Post (Pedestal Pro ADA-SS-TWR-47x4x6) Note: For door keypad or card reader operator access controls	1,143.91	68.05
		For Surface Mount With Baseplate And Bolts, Add	*142.71*	
28 16 11 00-0649	EA	4" x 6" x 47" Tall, In-Ground, Stainless Steel, Tower Pedestal Post With Two Single Gang Cutouts (Pedestal Pro ADA-SS-TWR-47x4x6-2) Note: For door keypad or card reader operator access controls	1,275.89	68.05
		For Surface Mount With Baseplate And Bolts, Add	*142.71*	

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001 Metal Detectors *(28 18 11)*

28 18 11 00-0002	EA	Handheld Scanner (Garrett Super Scanner V)	280.38	31.16
28 18 11 00-0003	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,528.40	373.88
28 18 11 00-0004	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	6,992.73	498.51

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001 Closed Circuit Television And Surveillance Systems *(28 21 31)*

28 21 31 00-0002 Cameras And Accessories *(28 21 31 00-0001)*

28 21 31 00-0003 Cameras *(28 21 31 00-0002)*

28 21 31 00-0004 General Use Video Camera *(28 21 31 00-0003)*

28 21 31 00-0005	EA	Video Dome Spectra III, CIR/BW 23x Heavy Duty, Pendant Note: Environmental clear bubble.	7,926.03	245.19
28 21 31 00-0006	EA	Ipak Enclosed Dust Tight Color Camera, Standard Resolution Lens Note: 3.5-8mm AI shields, wall mount.	1,314.16	122.74
28 21 31 00-0007	EA	Esprit Image Pak PTZ Camera	6,206.06	245.48
28 21 31 00-0008	EA	UF-LED 30 Degree, 850mm (252 LEDs) Includes Power Supply, 120 Volt AC	2,613.96	122.74

28 21 31 00-0009 Camera Power Supply *(28 21 31 00-0003)*

28 21 31 00-0010	EA	100 VA Outdoor Power Supply	452.42	61.36
28 21 31 00-0011	EA	Surge Protector, Isolated Coax Protector For CCTV	203.94	30.29
28 21 31 00-0012	EA	Altronics Power Supply With 8 Fused Outputs	958.22	122.74

28 21 31 00-0013 Miscellaneous Accessories *(28 21 31 00-0002)*

28 21 31 00-0014	EA	8 Channel DVR NTSC/PAL 250 GB With CD-RW	14,350.61	219.14
28 21 31 00-0015	EA	High Resolution Ethernet Video Server, Encoder, 12 Volt DC	2,148.89	245.48
28 21 31 00-0016	EA	High Resolution Ethernet Video Server, With Audio, Encoder, 12 Volt DC	2,444.96	245.48
28 21 31 00-0017	EA	High Resolution Ethernet Video Server, Decoder, 12 Volt DC	1,769.93	245.48
28 21 31 00-0018	EA	High Resolution Ethernet Video Server, With Audio, Decoder, 12 Volt DC	1,994.93	245.48
28 21 31 00-0019	EA	Outdoor Multi-Band Wireless Ethernet Bridge, 4 Inputs Note: 5.3 or 5.8 GHz.	4,019.96	245.48
28 21 31 00-0020	EA	24 dBi Gain, 5.25-5.85 GHz Band, 9 Degree Beamwidth, Patch Antenna	1,793.63	245.48
28 21 31 00-0021	EA	Extreme IR Illuminator, ZXLED850.20	5,685.78	245.48
28 21 31 00-0022	EA	Extreme IR Illuminator, UFLED850.30	2,613.96	122.74
28 21 31 00-0023	EA	Extreme IR Illuminator, EX26LED850M	1,429.71	122.74
28 21 31 00-0024	EA	Smart Sight Wireless Link	7,114.02	122.74
28 21 31 00-0025	EA	S1000 System Including Transmitter And Receiver	8,543.73	245.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0026	EA	S1600e-R Video Decoder	2,080.25	122.74
28 21 31 00-0027	EA	Pole Mount Adapter	375.33	122.74
28 21 31 00-0028		Camera Mounting *(28 21 31 00-0002)*		
28 21 31 00-0029		Camera Wall Mounts *(28 21 31 00-0028)*		
28 21 31 00-0030	EA	Parapet Camera Wall Mount, 1.5" Diameter Pipe	1,001.50	122.59
28 21 31 00-0031	EA	Spectra Wall Mount, Gray	227.89	61.36
28 21 31 00-0032	EA	Spectra Wall Mount Pole Adapter For SWM-GY	185.29	61.36
28 21 31 00-0033	EA	Wall Mount Bracket For Exterior CCTV	742.29	122.74
28 21 31 00-0034		Control Panels *(28 21 31 00-0002)*		
28 21 31 00-0035	EA	CCTV Control Panel With Keyboard And Battery Backup, Up To 7 Cameras	37,617.50	
28 21 31 00-0036	EA	CCTV Control Panel With Keyboard And Battery Backup, 7 To 14 Cameras	45,141.00	
28 21 31 00-0037	EA	CCTV Control Panel With Keyboard And Battery Backup, 15 To 20 Cameras	52,664.50	
28 21 31 00-0038	EA	CCTV Control Panel With Keyboard And Battery Backup, >21 Cameras	60,188.00	
28 21 31 00-0039		Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*		
28 21 31 00-0040		Cameras And Accessories *(28 21 31 00-0039)*		
28 21 31 00-0041		Cameras *(28 21 31 00-0040)*		
28 21 31 00-0042		Compact, 1/3" Format Cameras *(28 21 31 00-0041)*		
28 21 31 00-0043		High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0042)*		
28 21 31 00-0044	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	633.32	31.21
28 21 31 00-0045		Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0042)*		
28 21 31 00-0046	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	374.38	31.21
28 21 31 00-0047		Camerapaks *(28 21 31 00-0040)* Note: Includes camera and lens.		
28 21 31 00-0048		Camerapaks *(28 21 31 00-0047)*		
28 21 31 00-0049		High Resolution Color, Camerapaks *(28 21 31 00-0048)*		
28 21 31 00-0050		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0049)*		
28 21 31 00-0051		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0050)*		
28 21 31 00-0052	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	486.69	31.21
28 21 31 00-0053	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	457.57	31.21
28 21 31 00-0054	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	444.05	31.21
28 21 31 00-0055	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	440.93	31.21
28 21 31 00-0056		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0050)*		
28 21 31 00-0057	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	530.37	31.21
28 21 31 00-0058	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	486.69	31.21
28 21 31 00-0059	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	476.29	31.21
28 21 31 00-0060	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	467.97	31.21
28 21 31 00-0061		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0049)*		
28 21 31 00-0062		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0061)*		
28 21 31 00-0063	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	573.00	31.21
28 21 31 00-0064	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	516.85	31.21
28 21 31 00-0065	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	471.09	31.21
28 21 31 00-0066	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	452.37	31.21
28 21 31 00-0067	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	522.05	31.21
28 21 31 00-0068		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0061)*		
28 21 31 00-0069	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	618.76	31.21
28 21 31 00-0070	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	580.28	31.21
28 21 31 00-0071	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	514.77	31.21
28 21 31 00-0072	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	459.65	31.21
28 21 31 00-0073	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	543.88	31.21
28 21 31 00-0074	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	614.60	31.21
28 21 31 00-0075	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	705.07	31.21
28 21 31 00-0076		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0061)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0077	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	483.57	31.21
28 21 31 00-0078	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	578.20	31.21
28 21 31 00-0079		High Resolution Day/Night, Camerapaks *(28 21 31 00-0048)*		
28 21 31 00-0080		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0079)*		
28 21 31 00-0081		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0080)*		
28 21 31 00-0082	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	977.52	31.21
28 21 31 00-0083	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	912.01	31.21
28 21 31 00-0084	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	856.89	31.21
28 21 31 00-0085	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	941.13	31.21
28 21 31 00-0086	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,011.84	31.21
28 21 31 00-0087	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,101.27	31.21
28 21 31 00-0088		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0080)*		
28 21 31 00-0089	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	880.81	31.21
28 21 31 00-0090	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	975.44	31.21
28 21 31 00-0091		Compact Camerapaks *(28 21 31 00-0047)*		
28 21 31 00-0092		High Resolution Color, Compact Camerapaks *(28 21 31 00-0091)*		
28 21 31 00-0093		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0092)*		
28 21 31 00-0094		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0093)*		
28 21 31 00-0095		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0094)*		
28 21 31 00-0096	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	758.10	31.21
28 21 31 00-0097	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	728.99	31.21
28 21 31 00-0098	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	714.43	31.21
28 21 31 00-0099	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	711.31	31.21
28 21 31 00-0100		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0094)*		
28 21 31 00-0101	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	800.74	31.21
28 21 31 00-0102	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	758.10	31.21
28 21 31 00-0103	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	747.70	31.21
28 21 31 00-0104	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	739.38	31.21
28 21 31 00-0105		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0093)*		
28 21 31 00-0106		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0105)*		
28 21 31 00-0107	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	844.41	31.21
28 21 31 00-0108	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	787.22	31.21
28 21 31 00-0109	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	742.50	31.21
28 21 31 00-0110	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	723.79	31.21
28 21 31 00-0111	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	792.42	31.21
28 21 31 00-0112	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	837.14	31.21
28 21 31 00-0113	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	943.21	31.21
28 21 31 00-0114		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0105)*		
28 21 31 00-0115	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	889.13	31.21
28 21 31 00-0116	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	851.69	31.21
28 21 31 00-0117	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	786.18	31.21
28 21 31 00-0118	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	730.03	31.21
28 21 31 00-0119	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	815.30	31.21
28 21 31 00-0120	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	886.01	31.21
28 21 31 00-0121	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	975.44	31.21
28 21 31 00-0122		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0105)*		
28 21 31 00-0123	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	754.98	31.21
28 21 31 00-0124	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	849.61	31.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0125		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0092)*		
28 21 31 00-0126		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0125)*		
28 21 31 00-0127		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0128	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	758.10	31.21
28 21 31 00-0129	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	566.76	31.21
28 21 31 00-0130	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	552.20	31.21
28 21 31 00-0131	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	549.08	31.21
28 21 31 00-0132		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0133	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	638.51	31.21
28 21 31 00-0134	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	595.88	31.21
28 21 31 00-0135	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	585.48	31.21
28 21 31 00-0136	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	585.48	31.21
28 21 31 00-0137		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0125)*		
28 21 31 00-0138		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0137)*		
28 21 31 00-0139	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	682.19	31.21
28 21 31 00-0140	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	625.00	31.21
28 21 31 00-0141	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	580.28	31.21
28 21 31 00-0142	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	561.56	31.21
28 21 31 00-0143	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	630.20	31.21
28 21 31 00-0144	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	674.91	31.21
28 21 31 00-0145	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	780.98	31.21
28 21 31 00-0146		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0137)*		
28 21 31 00-0147	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	726.91	31.21
28 21 31 00-0148	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	689.47	31.21
28 21 31 00-0149	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	622.92	31.21
28 21 31 00-0150	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	567.80	31.21
28 21 31 00-0151	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	653.07	31.21
28 21 31 00-0152	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	723.79	31.21
28 21 31 00-0153	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	813.22	31.21
28 21 31 00-0154		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0137)*		
28 21 31 00-0155	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	592.76	31.21
28 21 31 00-0156	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	687.39	31.21
28 21 31 00-0157		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0091)*		
28 21 31 00-0158		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0157)*		
28 21 31 00-0159		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0158)*		
28 21 31 00-0160	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	699.87	31.21
28 21 31 00-0161		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0158)*		
28 21 31 00-0162	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	789.30	31.21
28 21 31 00-0163	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	745.62	31.21
28 21 31 00-0164		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0157)*		
28 21 31 00-0165		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0164)*		
28 21 31 00-0166	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	730.03	31.21
28 21 31 00-0167	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	711.31	31.21
28 21 31 00-0168	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	825.70	31.21
28 21 31 00-0169		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0164)*		
28 21 31 00-0170	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	839.22	31.21

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28 21 31 00-0171	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	773.70	31.21
28 21 31 00-0172	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	718.59	31.21
28 21 31 00-0173	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	802.82	31.21
28 21 31 00-0174	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	873.53	31.21
28 21 31 00-0175	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	964.00	31.21
28 21 31 00-0176		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0164)*		
28 21 31 00-0177	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	742.50	31.21
28 21 31 00-0178	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	837.14	31.21
28 21 31 00-0179		Camera Systems *(28 21 31 00-0040)*		
28 21 31 00-0180		Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0181		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0180)*		
28 21 31 00-0182		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0181)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0183		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0182)*		
28 21 31 00-0184		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0183)*		
28 21 31 00-0185	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,107.34	187.24
28 21 31 00-0186	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,533.70	187.24
28 21 31 00-0187	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	3,725.04	187.24
28 21 31 00-0188	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,155.94	187.24
28 21 31 00-0189		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0183)*		
28 21 31 00-0190	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,623.78	187.24
28 21 31 00-0191	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,839.04	187.24
28 21 31 00-0192	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,031.42	187.24
28 21 31 00-0193	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,141.65	187.24
28 21 31 00-0194	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,141.65	187.24
28 21 31 00-0195	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,290.36	187.24
28 21 31 00-0196	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	3,717.76	187.24
28 21 31 00-0197	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	3,910.14	187.24
28 21 31 00-0198	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,020.37	187.24
28 21 31 00-0199	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,020.37	187.24
28 21 31 00-0200		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0183)*		
28 21 31 00-0201	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	3,823.83	187.24
28 21 31 00-0202	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,251.23	187.24
28 21 31 00-0203	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,443.61	187.24
28 21 31 00-0204	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,553.84	187.24
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,553.84	187.24
28 21 31 00-0206		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0183)*		
28 21 31 00-0207	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,474.42	187.24
28 21 31 00-0208	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	3,690.72	187.24
28 21 31 00-0209	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	3,882.06	187.24
28 21 31 00-0210	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	3,992.29	187.24
28 21 31 00-0211	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	3,992.29	187.24
28 21 31 00-0212	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,174.27	187.24
28 21 31 00-0213	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,514.32	187.24
28 21 31 00-0214	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	4,705.66	187.24
28 21 31 00-0215	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	4,815.89	187.24
28 21 31 00-0216	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	4,815.89	187.24
28 21 31 00-0217		Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0182)*		
28 21 31 00-0218		Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0217)*		
28 21 31 00-0219	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,400.59	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0220	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,585.69	187.24
		For Protective Lower Dome Cage, Add	*34.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0221	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	3,733.36	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0222	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,214.83	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0223	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,399.93	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0224	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	4,548.64	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0225		Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0217)*		
28 21 31 00-0226	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,251.23	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0227	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,436.33	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0228	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	4,585.04	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0229	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,011.39	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0230	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,195.46	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0231	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,344.16	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0182)*		
28 21 31 00-0233		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0232)*		
28 21 31 00-0234	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	5,616.62	187.24
28 21 31 00-0235	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	6,376.78	187.24
28 21 31 00-0236		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0182)*		
28 21 31 00-0237		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0236)*		
28 21 31 00-0238	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	4,886.61	187.24
28 21 31 00-0239		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0236)*		
28 21 31 00-0240	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,256.43	187.24
28 21 31 00-0241	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,071.71	187.24
28 21 31 00-0242		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0236)*		
28 21 31 00-0243	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	5,605.18	187.24
28 21 31 00-0244		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0236)*		
28 21 31 00-0245	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,108.10	187.24
28 21 31 00-0246	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	5,867.23	187.24
28 21 31 00-0247		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0182)*		
28 21 31 00-0248		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0247)*		
28 21 31 00-0249	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,972.81	187.24
28 21 31 00-0250		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0181)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0251		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0250)*		
28 21 31 00-0252		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0251)*		
28 21 31 00-0253	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,615.85	187.24
28 21 31 00-0254	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	3,808.23	187.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0255	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	3,918.46	187.24
28 21 31 00-0256	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	3,918.46	187.24
28 21 31 00-0257	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,494.56	187.24
28 21 31 00-0258	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	4,686.95	187.24
28 21 31 00-0259	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	4,797.17	187.24
28 21 31 00-0260	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	4,797.17	187.24
28 21 31 00-0261		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0251)*		
28 21 31 00-0262	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,028.03	187.24
28 21 31 00-0263	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,220.41	187.24
28 21 31 00-0264	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,330.64	187.24
28 21 31 00-0265	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,330.64	187.24
28 21 31 00-0266		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0250)*		
28 21 31 00-0267		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0266)*		
28 21 31 00-0268	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,177.39	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0269	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,362.50	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0270	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,510.16	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0271	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	4,991.64	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0272	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,176.74	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0273	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,325.44	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0274		Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0266)*		
28 21 31 00-0275	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,028.03	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0276	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,213.13	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0277	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,361.84	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0278	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	5,788.20	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0279	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	5,972.26	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0280	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,120.97	187.24
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0281		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0250)*		
28 21 31 00-0282		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0281)*		
28 21 31 00-0283	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,033.23	187.24
28 21 31 00-0284	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	5,848.51	187.24
28 21 31 00-0285		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0281)*		
28 21 31 00-0286	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	6,381.98	187.24

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0287		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0281)*		
28 21 31 00-0288	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	5,884.91	187.24
28 21 31 00-0289	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	6,644.04	187.24
28 21 31 00-0290		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0250)*		
28 21 31 00-0291		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0290)*		
28 21 31 00-0292	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,474.04	187.24
28 21 31 00-0293		Spectra®, Pan/Tilt Dome Drives *(28 21 31 00-0181)* Note: Includes dome drive, camera and lens.		
28 21 31 00-0294	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,832.39	156.03
28 21 31 00-0295	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,331.55	156.03
28 21 31 00-0296	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,948.21	156.03
28 21 31 00-0297	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,318.03	156.03
28 21 31 00-0298	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,132.27	156.03
28 21 31 00-0299	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,168.67	156.03
28 21 31 00-0300	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	3,665.74	156.03
28 21 31 00-0301	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	3,928.83	156.03
28 21 31 00-0302	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	3,928.83	156.03
28 21 31 00-0303		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 21 31 00-0181)*		
28 21 31 00-0304	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	146.63	
28 21 31 00-0305	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	191.34	
28 21 31 00-0306	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	160.16	15.60
28 21 31 00-0307	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	402.45	15.60
28 21 31 00-0308	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	156.00	15.60
28 21 31 00-0309	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	307.28	15.60
28 21 31 00-0310	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	82.44	9.28
28 21 31 00-0311		Camclosure®, Camera Dome Systems *(28 21 31 00-0180)*		
28 21 31 00-0312		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0311)*		
28 21 31 00-0313		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0312)*		
28 21 31 00-0314		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0313)*		
28 21 31 00-0315	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	743.64	187.24
28 21 31 00-0316	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	806.04	187.24
28 21 31 00-0317	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	894.43	187.24
28 21 31 00-0318	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	894.43	187.24
28 21 31 00-0319		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0313)*		
28 21 31 00-0320	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	905.87	187.24
28 21 31 00-0321	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	986.98	187.24
28 21 31 00-0322	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	986.98	187.24
28 21 31 00-0323		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0313)*		
28 21 31 00-0324	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,036.90	187.24
28 21 31 00-0325	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,237.60	187.24
28 21 31 00-0326	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,237.60	187.24
28 21 31 00-0327		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0313)*		
28 21 31 00-0328	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,132.57	187.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0329	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,261.51	187.24
28 21 31 00-0330		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0312)*		
28 21 31 00-0331		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0330)*		
28 21 31 00-0332	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	815.36	124.83
28 21 31 00-0333		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0330)*		
28 21 31 00-0334	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	932.86	124.83
28 21 31 00-0335		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0330)*		
28 21 31 00-0336	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,026.46	124.83
28 21 31 00-0337		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0330)*		
28 21 31 00-0338	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,073.25	124.83
28 21 31 00-0339		Camclosure® IS Integrated Cameras *(28 21 31 00-0312)*		
28 21 31 00-0340	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	576.18	124.83
28 21 31 00-0341	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	576.18	124.83
28 21 31 00-0342	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	668.73	124.83
28 21 31 00-0343	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	919.35	124.83
28 21 31 00-0344	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	943.26	124.83
28 21 31 00-0345		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0311)*		
28 21 31 00-0346		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0345)*		
28 21 31 00-0347		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0346)*		
28 21 31 00-0348	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	640.69	187.24
28 21 31 00-0349	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	685.41	187.24
28 21 31 00-0350	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	864.27	187.24
28 21 31 00-0351	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	864.27	187.24
28 21 31 00-0352		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0346)*		
28 21 31 00-0353	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,064.97	187.24
28 21 31 00-0354		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0345)*		
28 21 31 00-0355		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0354)*		
28 21 31 00-0356	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	739.44	124.83
28 21 31 00-0357		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0345)*		
28 21 31 00-0358		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0357)*		
28 21 31 00-0359	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	986.98	187.24
28 21 31 00-0360		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0357)*		
28 21 31 00-0361	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,080.57	187.24

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0362		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0357)*		
28 21 31 00-0363	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,198.08	187.24
28 21 31 00-0364		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0357)*		
28 21 31 00-0365	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,244.88	187.24
28 21 31 00-0366		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0311)*		
28 21 31 00-0367		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0366)*		
28 21 31 00-0368		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0367)*		
28 21 31 00-0369	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,760.67	187.24
28 21 31 00-0370	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,760.67	187.24
28 21 31 00-0371		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0367)*		
28 21 31 00-0372	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,889.61	187.24
28 21 31 00-0373	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,889.61	187.24
28 21 31 00-0374		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0367)*		
28 21 31 00-0375	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,088.24	187.24
28 21 31 00-0376	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,088.24	187.24
28 21 31 00-0377		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0367)*		
28 21 31 00-0378	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,228.62	187.24
28 21 31 00-0379	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,228.62	187.24
28 21 31 00-0380		Accessories For Camclosure® Camera Dome Systems *(28 21 31 00-0311)*		
28 21 31 00-0381	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	37.44	9.36
28 21 31 00-0382	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	37.44	9.36
28 21 31 00-0383	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	49.93	15.60
28 21 31 00-0384	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	79.05	15.60
28 21 31 00-0385	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	81.11	9.36
28 21 31 00-0386	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	79.05	15.60
28 21 31 00-0387	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	99.84	15.60
28 21 31 00-0388	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	266.23	31.21
28 21 31 00-0389	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	266.23	31.21
28 21 31 00-0390	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	266.23	31.21
28 21 31 00-0391	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	266.23	31.21
28 21 31 00-0392	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	94.64	15.60
28 21 31 00-0393	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	109.21	31.21
28 21 31 00-0394	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	109.21	31.21
28 21 31 00-0395	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	109.21	31.21
28 21 31 00-0396	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	109.21	31.21
28 21 31 00-0397	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	109.21	31.21
28 21 31 00-0398	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	109.21	31.21
28 21 31 00-0399	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	317.12	42.62
28 21 31 00-0400	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	67.61	15.60
28 21 31 00-0401	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	114.40	15.60
28 21 31 00-0402	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	67.61	15.60
28 21 31 00-0403	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	114.40	15.60
28 21 31 00-0404	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,643.16	187.24
28 21 31 00-0405		Pan/Tilt Camera Systems *(28 21 31 00-0179)*		
28 21 31 00-0406		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0405)*		

Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0407		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0406)*			
28 21 31 00-0408		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0407)*			
28 21 31 00-0409	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)		4,630.85	280.86
28 21 31 00-0410	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)		5,255.83	280.86
28 21 31 00-0411	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)		6,122.07	280.86
28 21 31 00-0412	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)		4,765.00	280.86
28 21 31 00-0413	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)		5,418.05	280.86
28 21 31 00-0414	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)		6,284.29	280.86
28 21 31 00-0415		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0407)*			
28 21 31 00-0416	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)		4,673.48	280.86
28 21 31 00-0417	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)		5,298.46	280.86
28 21 31 00-0418	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)		6,164.70	280.86
28 21 31 00-0419	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)		4,808.67	280.86
28 21 31 00-0420	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)		5,460.69	280.86
28 21 31 00-0421	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)		6,326.93	280.86
28 21 31 00-0422		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0405)*			
28 21 31 00-0423		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0422)*			
28 21 31 00-0424		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0423)*			
28 21 31 00-0425	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)		4,793.07	280.86
28 21 31 00-0426	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)		5,418.05	280.86
28 21 31 00-0427	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)		6,284.29	280.86
28 21 31 00-0428	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)		4,927.22	280.86
28 21 31 00-0429	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)		5,580.28	280.86
28 21 31 00-0430	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)		6,446.51	280.86
28 21 31 00-0431		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0423)*			
28 21 31 00-0432	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)		4,835.71	280.86
28 21 31 00-0433	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)		5,460.69	280.86
28 21 31 00-0434	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)		6,326.93	280.86
28 21 31 00-0435	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)		4,970.90	280.86
28 21 31 00-0436	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)		5,622.91	280.86
28 21 31 00-0437	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)		6,489.15	280.86
28 21 31 00-0438		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0405)*			
28 21 31 00-0439		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0438)*			
28 21 31 00-0440		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0439)*			
28 21 31 00-0441	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)		4,521.66	280.86
28 21 31 00-0442	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)		5,146.64	280.86
28 21 31 00-0443	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)		6,012.88	280.86
28 21 31 00-0444	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)		4,656.85	280.86
28 21 31 00-0445	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)		5,308.86	280.86
28 21 31 00-0446	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)		6,175.10	280.86

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0447		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0439)*		
28 21 31 00-0448	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,565.34	280.86
28 21 31 00-0449	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,189.28	280.86
28 21 31 00-0450	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,056.55	280.86
28 21 31 00-0451	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	4,595.49	280.86
28 21 31 00-0452	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,699.48	280.86
28 21 31 00-0453	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,351.50	280.86
28 21 31 00-0454	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,218.78	280.86
28 21 31 00-0455		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0405)*		
28 21 31 00-0456		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0455)*		
28 21 31 00-0457		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0456)*		
28 21 31 00-0458	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,405.57	280.86
28 21 31 00-0459	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,271.81	280.86
28 21 31 00-0460	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	4,915.78	280.86
28 21 31 00-0461	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	5,567.80	280.86
28 21 31 00-0462	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	6,434.04	280.86
28 21 31 00-0463		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0456)*		
28 21 31 00-0464	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	4,824.27	280.86
28 21 31 00-0465	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,448.21	280.86
28 21 31 00-0466	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,315.49	280.86
28 21 31 00-0467	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	4,958.42	280.86
28 21 31 00-0468	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	5,610.43	280.86
28 21 31 00-0469	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	6,477.71	280.86
28 21 31 00-0470		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0405)*		
28 21 31 00-0471		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0470)*		
28 21 31 00-0472		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0471)*		
28 21 31 00-0473	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	6,410.12	280.86
28 21 31 00-0474	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,053.05	280.86
28 21 31 00-0475	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	6,572.34	280.86
28 21 31 00-0476		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0471)*		
28 21 31 00-0477	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	4,961.54	280.86
28 21 31 00-0478	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	6,453.79	280.86
28 21 31 00-0479	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,096.72	280.86
28 21 31 00-0480	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	5,748.74	280.86
28 21 31 00-0481	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	6,616.02	280.86
28 21 31 00-0482		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0405)*		
28 21 31 00-0483		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0482)*		
28 21 31 00-0484		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0483)*		
28 21 31 00-0485	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,397.26	280.86
28 21 31 00-0486		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0483)*		
28 21 31 00-0487	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,439.89	280.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0488		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0482)*		
28 21 31 00-0489		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0488)*		
28 21 31 00-0490	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	6,410.12	280.86
28 21 31 00-0491	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,197.98	280.86
28 21 31 00-0492	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,045.50	280.86
28 21 31 00-0493		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0488)*		
28 21 31 00-0494	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	6,451.71	280.86
28 21 31 00-0495	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,197.98	280.86
28 21 31 00-0496	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,092.29	280.86
28 21 31 00-0497		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0405)*		
28 21 31 00-0498		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0497)*		
28 21 31 00-0499		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0498)*		
28 21 31 00-0500	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,150.41	280.86
28 21 31 00-0501	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,164.32	280.86
28 21 31 00-0502	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	4,955.30	280.86
28 21 31 00-0503	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	5,615.63	280.86
28 21 31 00-0504		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0498)*		
28 21 31 00-0505	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,192.01	280.86
28 21 31 00-0506	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,206.95	280.86
28 21 31 00-0507	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	4,997.93	280.86
28 21 31 00-0508	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	5,662.43	280.86
28 21 31 00-0509		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0405)*		
28 21 31 00-0510		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0509)*		
28 21 31 00-0511		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0510)*		
28 21 31 00-0512	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	26,670.49	280.86
28 21 31 00-0513	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	28,680.62	280.86
28 21 31 00-0514	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	29,355.51	280.86
28 21 31 00-0515		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0510)*		
28 21 31 00-0516	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	26,714.17	280.86
28 21 31 00-0517	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	28,723.25	280.86
28 21 31 00-0518	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	29,398.15	280.86
28 21 31 00-0519		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0405)*		
28 21 31 00-0520	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	11.75	3.12
28 21 31 00-0521	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	67.61	15.60
28 21 31 00-0522	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	105.04	15.60
28 21 31 00-0523	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	133.12	15.60
28 21 31 00-0524	EA	Ground Isolation Transformer (Pelco GIT100)	389.91	42.62
28 21 31 00-0525	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	589.65	42.62
28 21 31 00-0526	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	465.82	42.62
28 21 31 00-0527	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	685.60	42.62
28 21 31 00-0528	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	361.83	42.62
28 21 31 00-0529	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	985.24	42.62
28 21 31 00-0530	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,444.37	42.62
28 21 31 00-0531	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,715.78	42.62
28 21 31 00-0532	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,777.14	42.62
28 21 31 00-0533	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	1,873.85	42.62
28 21 31 00-0534	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,527.19	42.63
28 21 31 00-0535	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,557.25	42.62
28 21 31 00-0536	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,586.11	42.62
28 21 31 00-0537	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	5,861.86	42.62
28 21 31 00-0538	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,024.09	42.62
28 21 31 00-0539	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	115.06	10.04
28 21 31 00-0540	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	115.06	10.04
28 21 31 00-0541		Camera Lenses *(28 21 31 00-0040)*		
28 21 31 00-0542		Fixed Focus Camera Lenses *(28 21 31 00-0541)* Note: 1/3" format and manual focus.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0543		**Manual Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0542)*		
28 21 31 00-0544	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	170.90	14.64
28 21 31 00-0545	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	141.78	14.64
28 21 31 00-0546	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	127.22	14.64
28 21 31 00-0547	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	124.10	14.64
28 21 31 00-0548		**Direct Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0542)*		
		Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0549	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	213.54	14.64
28 21 31 00-0550	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	170.90	14.64
28 21 31 00-0551	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	160.50	14.64
28 21 31 00-0552	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	114.74	14.64
28 21 31 00-0553		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0542)*		
		Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0554	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	252.01	14.64
28 21 31 00-0555	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	208.34	14.64
28 21 31 00-0556	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	197.94	14.64
28 21 31 00-0557	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	189.62	14.64
28 21 31 00-0558		**Varifocal Camera Lenses** *(28 21 31 00-0541)*		
		Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0559		**Manual Iris, Varifocal Camera Lenses** *(28 21 31 00-0558)*		
28 21 31 00-0560	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	247.13	14.64
28 21 31 00-0561	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	200.02	14.64
28 21 31 00-0562	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	155.30	14.64
28 21 31 00-0563	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	136.58	14.64
28 21 31 00-0564	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	356.00	14.64
28 21 31 00-0565	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	191.58	14.64
28 21 31 00-0566	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	204.20	14.64
28 21 31 00-0567		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0558)*		
		Note: Includes spot filter.		
28 21 31 00-0568	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	242.92	14.64
28 21 31 00-0569	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	214.30	14.64
28 21 31 00-0570	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	163.80	14.64
28 21 31 00-0571	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	121.72	14.64
28 21 31 00-0572	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	388.24	14.64
28 21 31 00-0573	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	240.39	14.64
28 21 31 00-0574		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0558)*		
		Note: Includes spot filter.		
28 21 31 00-0575	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	340.40	14.64
28 21 31 00-0576	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	301.93	14.64
28 21 31 00-0577	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	181.30	14.64
28 21 31 00-0578	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	336.24	14.64
28 21 31 00-0579		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0558)*		
28 21 31 00-0580	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	141.07	14.64
28 21 31 00-0581	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	212.62	14.64
28 21 31 00-0582		**Motorized Zoom Camera Lenses** *(28 21 31 00-0541)*		
		Note: 1/3" format.		
28 21 31 00-0583		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0582)*		
28 21 31 00-0584	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	618.06	14.64
28 21 31 00-0585	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	771.96	14.64
28 21 31 00-0586	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	822.92	14.64
28 21 31 00-0587		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0582)*		
		Note: Includes spot filter.		
28 21 31 00-0588	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	566.96	14.64
28 21 31 00-0589	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	655.34	14.64
28 21 31 00-0590	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	909.23	14.64
28 21 31 00-0591	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,125.00	14.64
28 21 31 00-0592	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,233.49	14.64
28 21 31 00-0593		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0582)*		
		Note: Includes spot filter.		
28 21 31 00-0594	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	633.65	14.64

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28 21 31 00-0595	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	754.28	14.64
28 21 31 00-0596	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	947.70	14.64
28 21 31 00-0597	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,379.26	14.64
28 21 31 00-0598	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,245.50	14.64
28 21 31 00-0599		**Camera Power Supplies** *(28 21 31 00-0040)*		
28 21 31 00-0600	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	43.68	12.49
28 21 31 00-0601	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	74.88	12.49
28 21 31 00-0602	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	323.48	24.96
28 21 31 00-0603	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	373.70	37.45
28 21 31 00-0604	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	421.38	49.93
		For Switchable Outputs, Add	*192.91*	
28 21 31 00-0605	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	471.60	62.41
		For Switchable Outputs, Add	*208.06*	
28 21 31 00-0606		**Camera Illuminators** *(28 21 31 00-0040)*		
28 21 31 00-0607		**Camera Illuminators** *(28 21 31 00-0606)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0608	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,643.06	24.96
28 21 31 00-0609	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,643.06	24.96
28 21 31 00-0610	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,643.06	24.96
28 21 31 00-0611		**Camera Illuminator Accessories** *(28 21 31 00-0606)*		
28 21 31 00-0612	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	138.32	24.96
28 21 31 00-0613		**Camera Receivers** *(28 21 31 00-0040)*		
28 21 31 00-0614	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,598.27	42.62
28 21 31 00-0615	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,598.27	42.62
28 21 31 00-0616		**Pan And Tilt Drives** *(28 21 31 00-0040)*		
28 21 31 00-0617	EA	15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,136.67	93.62
28 21 31 00-0618	EA	40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,440.32	93.62
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0619	EA	100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,033.45	93.62
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0620	EA	100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,465.00	93.62
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0621	EA	100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,007.83	93.62
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0622	EA	100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,162.12	93.62
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0623		**Scanners** *(28 21 31 00-0040)*		
28 21 31 00-0624	EA	35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,295.77	93.62
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0625	EA	35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,361.29	93.62
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0626		**Camera Monitors** *(28 21 31 00-0039)*		
28 21 31 00-0627		**Camera Monitors** *(28 21 31 00-0626)*		
28 21 31 00-0628		**Monochrome Camera Monitors** *(28 21 31 00-0627)*		
28 21 31 00-0629	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	252.71	18.72
28 21 31 00-0630	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	289.11	18.72
28 21 31 00-0631	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	443.01	18.72
28 21 31 00-0632	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	712.35	18.72
28 21 31 00-0633		**Color Camera Monitors** *(28 21 31 00-0627)*		
28 21 31 00-0634	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	803.86	18.72
28 21 31 00-0635	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	652.03	18.72
28 21 31 00-0636	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	947.36	18.72
28 21 31 00-0637	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,259.33	18.72
28 21 31 00-0638		**LCD Camera Monitors** *(28 21 31 00-0626)*		
28 21 31 00-0639		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0638)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0640	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	908.89	18.72
28 21 31 00-0641	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,183.42	18.72

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28 21 31 00-0642		Multimode, Color LCD Camera Monitors (Pelco 300 Series) *(28 21 31 00-0638)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0643	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,033.67	18.72
28 21 31 00-0644	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,237.49	18.72
28 21 31 00-0645	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,522.43	18.72
28 21 31 00-0646		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) *(28 21 31 00-0638)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0647	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,326.93	18.72
28 21 31 00-0648	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,539.07	18.72
28 21 31 00-0649	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,931.11	18.72
28 21 31 00-0650		Camera Monitor Mounting Accessories *(28 21 31 00-0626)*		
28 21 31 00-0651		Camera Monitor Mounts *(28 21 31 00-0650)*		
28 21 31 00-0652	EA	Up To 14", Camera Monitor Mount (Pelco)	309.91	24.96
28 21 31 00-0653	EA	>14" To 17", Camera Monitor Mount (Pelco)	360.86	24.96
28 21 31 00-0654	EA	>17" To 21", Camera Monitor Mount (Pelco)	423.25	24.96
28 21 31 00-0655		Camera Monitor Rack Mount Kits *(28 21 31 00-0650)*		
28 21 31 00-0656	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	188.24	24.96
28 21 31 00-0657		Video Transmission Equipment *(28 21 31 00-0039)*		
28 21 31 00-0658		UTP Cable, Video Transmission Equipment *(28 21 31 00-0657)*		
28 21 31 00-0659		UTP Cable, Active Video Receivers *(28 21 31 00-0658)*		
28 21 31 00-0660	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	389.98	31.21
28 21 31 00-0661	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,339.41	31.21
28 21 31 00-0662	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,634.08	31.21
28 21 31 00-0663	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,326.00	31.21
28 21 31 00-0664	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,050.81	31.21
28 21 31 00-0665		UTP Cable, Passive Video Transceivers *(28 21 31 00-0658)*		
28 21 31 00-0666	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	115.44	31.21
28 21 31 00-0667	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	389.98	31.21
28 21 31 00-0668	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	718.59	31.21
28 21 31 00-0669	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,365.40	31.21
28 21 31 00-0670	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,669.44	31.21
28 21 31 00-0671		UTP Cable, Active Video Transmitters *(28 21 31 00-0658)*		
28 21 31 00-0672	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	407.66	31.21
28 21 31 00-0673		Fiber Optics, Video Transmission Equipment *(28 21 31 00-0657)*		
28 21 31 00-0674		Data Only, Fiber Optics Transmission Equipment *(28 21 31 00-0673)*		
28 21 31 00-0675		Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0674)*		
28 21 31 00-0676	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,358.54	62.41
28 21 31 00-0677	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	967.15	62.41
28 21 31 00-0678	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,725.24	62.41
28 21 31 00-0679	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,191.77	62.41
28 21 31 00-0680		Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0674)*		
28 21 31 00-0681	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,358.54	62.41
28 21 31 00-0682	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	967.15	62.41
28 21 31 00-0683	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,725.24	62.41
28 21 31 00-0684	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,191.77	62.41
28 21 31 00-0685		Video Only, Fiber Optics Transmission Equipment *(28 21 31 00-0673)*		
28 21 31 00-0686		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 31 00-0685)*		
28 21 31 00-0687	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,050.34	62.41
28 21 31 00-0688	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	461.76	62.41
28 21 31 00-0689	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,900.32	62.41
28 21 31 00-0690	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,746.03	62.41
28 21 31 00-0691	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	4,747.19	62.41
28 21 31 00-0692	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	3,948.54	62.41
28 21 31 00-0693	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	11,776.91	62.41
28 21 31 00-0694	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	10,482.23	62.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0695		Digitally Encoded Video, Fiber Optics Receivers *(28 21 31 00-0685)*		
28 21 31 00-0696	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,050.34	62.41
28 21 31 00-0697	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	461.76	62.41
28 21 31 00-0698	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,788.67	62.41
28 21 31 00-0699	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	729.01	62.41
28 21 31 00-0700	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,900.32	62.41
28 21 31 00-0701	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,746.03	62.41
28 21 31 00-0702	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	4,747.19	62.41
28 21 31 00-0703	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	3,948.54	62.41
28 21 31 00-0704	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	11,776.91	62.41
28 21 31 00-0705	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	10,482.23	62.41
28 21 31 00-0706		Video And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0673)*		
28 21 31 00-0707		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0706)*		
28 21 31 00-0708	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,806.35	62.41
28 21 31 00-0709	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,079.46	62.41
28 21 31 00-0710	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,197.08	62.41
28 21 31 00-0711	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	3,634.49	62.41
28 21 31 00-0712	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	6,789.55	62.41
28 21 31 00-0713	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	4,923.97	62.41
28 21 31 00-0714		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0706)*		
28 21 31 00-0715	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,806.35	62.41
28 21 31 00-0716	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,079.46	62.41
28 21 31 00-0717	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,197.08	62.41
28 21 31 00-0718	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	3,634.49	62.41
28 21 31 00-0719	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	6,789.55	62.41
28 21 31 00-0720	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	4,923.97	62.41
28 21 31 00-0721		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0673)*		
28 21 31 00-0722		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 31 00-0721)*		
28 21 31 00-0723	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,325.26	62.41
28 21 31 00-0724	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,851.06	62.41
28 21 31 00-0725		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 21 31 00-0721)*		
28 21 31 00-0726	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,325.26	62.41
28 21 31 00-0727	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,851.06	62.41
28 21 31 00-0728		Video Amplifiers *(28 21 31 00-0657)*		
28 21 31 00-0729		Video Distribution Amplifiers *(28 21 31 00-0728)*		
28 21 31 00-0730	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	288.07	15.60
28 21 31 00-0731	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,330.43	15.60
28 21 31 00-0732		Video Equalizing Amplifiers *(28 21 31 00-0728)*		
28 21 31 00-0733	EA	Video Equalizing Amplifier (Pelco EA2010)	313.02	15.60
28 21 31 00-0734	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	490.85	15.60
28 21 31 00-0735		Network Video Equipment *(28 21 31 00-0039)*		
28 21 31 00-0736		Video Encoders/Decoders *(28 21 31 00-0735)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0737	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,160.57	31.21
28 21 31 00-0738	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,160.57	31.21
28 21 31 00-0739	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,335.27	31.21
28 21 31 00-0740	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,335.27	31.21
28 21 31 00-0741		Network Video Recorders *(28 21 31 00-0735)*		
28 21 31 00-0742	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	7,327.18	62.41
28 21 31 00-0743	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	8,526.18	62.41
28 21 31 00-0744	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	10,926.27	62.41
28 21 31 00-0745	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,236.71	62.41
28 21 31 00-0746		Network Video Recorder Software *(28 21 31 00-0735)*		
28 21 31 00-0747	EA	10 User, License Pack (Pelco VMX300-LIC-10)	723.77	
28 21 31 00-0748	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,305.07	
28 21 31 00-0749	EA	50 User, License Pack (Pelco VMX300-LIC-50)	2,898.20	
28 21 31 00-0750	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,069.51	
28 21 31 00-0751	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,208.36	
28 21 31 00-0752	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,173.39	
28 21 31 00-0753	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	4,830.34	
28 21 31 00-0754	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	8,451.27	
28 21 31 00-0755	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	14,486.85	
28 21 31 00-0756	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	30,179.98	
28 21 31 00-0757	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	6,521.82	
28 21 31 00-0758	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	6,924.27	
28 21 31 00-0759	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	10,949.72	
28 21 31 00-0760	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,246.64	
28 21 31 00-0761	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	7,649.08	
28 21 31 00-0762	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	11,672.45	
28 21 31 00-0763	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,005.38	
28 21 31 00-0764	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	7,408.86	
28 21 31 00-0765	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	11,433.27	
28 21 31 00-0766	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	8,211.66	
28 21 31 00-0767	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	8,614.10	
28 21 31 00-0768	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	12,639.56	
28 21 31 00-0769		Video Recording Equipment *(28 21 31 00-0039)*		
28 21 31 00-0770		Digital Video Recorders *(28 21 31 00-0769)*		
28 21 31 00-0771	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	11,471.18	62.41
28 21 31 00-0772	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	15,728.53	62.41
28 21 31 00-0773	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	19,986.92	62.41
28 21 31 00-0774	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	13,809.91	62.41
28 21 31 00-0775	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	18,067.26	62.41
28 21 31 00-0776	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	22,325.66	62.41
28 21 31 00-0777	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	15,096.27	62.41
28 21 31 00-0778	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	19,353.62	62.41
28 21 31 00-0779	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	23,612.01	62.41
28 21 31 00-0780	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	17,435.01	62.41
28 21 31 00-0781	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	21,692.36	62.41
28 21 31 00-0782	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	25,950.75	62.41
28 21 31 00-0783	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	12,662.18	62.41
28 21 31 00-0784		Digital Video Recorder Accessories *(28 21 31 00-0769)*		
28 21 31 00-0785	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,123.13	31.21
28 21 31 00-0786		Matrix Systems And Controls *(28 21 31 00-0039)*		
28 21 31 00-0787		Video Multiplexers *(28 21 31 00-0786)*		
28 21 31 00-0788		Monochrome Duplex, Video Multiplexers *(28 21 31 00-0787)*		
28 21 31 00-0789	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,115.20	62.41
28 21 31 00-0790	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,999.77	62.41
28 21 31 00-0791		Color Duplex, Video Multiplexers *(28 21 31 00-0787)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0792	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,431.98	62.41
28 21 31 00-0793	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,722.50	62.41
28 21 31 00-0794	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,950.24	62.41
28 21 31 00-0795		Color Simplex, Video Multiplexers *(28 21 31 00-0787)*		
28 21 31 00-0796	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,289.90	62.41
28 21 31 00-0797	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,672.59	62.41
28 21 31 00-0798		Video Multiplexer Accessories *(28 21 31 00-0787)*		
28 21 31 00-0799	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,268.62	42.62
28 21 31 00-0800	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	750.75	42.62
28 21 31 00-0801	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,115.20	62.41
28 21 31 00-0802		Quad Video Processor *(28 21 31 00-0786)*		
28 21 31 00-0803	EA	Monochrome, Quad Video Processor (Pelco QD104M)	656.19	31.21
28 21 31 00-0804	EA	Color, Quad Video Processor (Pelco QD104C)	1,072.15	31.21
28 21 31 00-0805		Switcher *(28 21 31 00-0786)*		
28 21 31 00-0806		Terminating Manual Switchers *(28 21 31 00-0805)*		
28 21 31 00-0807		Terminating Manual Switchers *(28 21 31 00-0806)*		
28 21 31 00-0808	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	229.83	24.96
28 21 31 00-0809	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	310.94	24.96
28 21 31 00-0810	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	377.50	24.96
28 21 31 00-0811	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	615.64	24.96
28 21 31 00-0812		Audio Follow, Terminating Manual Switchers *(28 21 31 00-0806)*		
28 21 31 00-0813	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	296.39	24.96
28 21 31 00-0814	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	519.96	24.96
28 21 31 00-0815	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	905.77	24.96
28 21 31 00-0816		Balanced Audio Follow, Terminating Manual Switchers *(28 21 31 00-0806)*		
28 21 31 00-0817	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	395.18	24.96
28 21 31 00-0818	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	721.71	24.96
28 21 31 00-0819		Looping Manual Switchers *(28 21 31 00-0805)*		
28 21 31 00-0820		Looping Manual Switchers *(28 21 31 00-0819)*		
28 21 31 00-0821	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	256.87	24.96
28 21 31 00-0822	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	351.50	24.96
28 21 31 00-0823	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	447.17	24.96
28 21 31 00-0824	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	735.22	24.96
28 21 31 00-0825		Audio Follow, Looping Manual Switchers *(28 21 31 00-0819)*		
28 21 31 00-0826	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	319.26	24.96
28 21 31 00-0827	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	555.32	24.96
28 21 31 00-0828	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	761.22	24.96
28 21 31 00-0829		Balanced Audio Follow, Looping Manual Switchers *(28 21 31 00-0819)*		
28 21 31 00-0830	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	423.25	24.96
28 21 31 00-0831	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	764.34	24.96
28 21 31 00-0832	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	960.88	24.96
28 21 31 00-0833		Sequential Switchers *(28 21 31 00-0805)*		
28 21 31 00-0834		Single Output, Sequential Switchers *(28 21 31 00-0833)*		
28 21 31 00-0835	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	448.21	24.96
28 21 31 00-0836	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	666.59	24.96
28 21 31 00-0837		Dual Outputs, Sequential Switchers *(28 21 31 00-0833)*		
28 21 31 00-0838	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	559.48	24.96
28 21 31 00-0839	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	773.70	24.96
28 21 31 00-0840		Controls *(28 21 31 00-0786)*		
28 21 31 00-0841		Direct/Multi-Cable Controls *(28 21 31 00-0840)*		
28 21 31 00-0842	EA	Scanner Control Module (Pelco MPS524DT)	391.04	62.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0843	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	417.04	62.41
28 21 31 00-0844	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	461.76	62.41
28 21 31 00-0845	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	482.56	62.41
28 21 31 00-0846	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	757.09	62.41
28 21 31 00-0847	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	833.00	62.41
28 21 31 00-0848		**Coaxitron Controls** *(28 21 31 00-0840)*		
28 21 31 00-0849	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	557.33	42.62
28 21 31 00-0850	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,047.13	42.62
28 21 31 00-0851	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,187.51	42.62
28 21 31 00-0852		**Digital Controls** *(28 21 31 00-0840)*		
28 21 31 00-0853	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	745.55	42.62
28 21 31 00-0854	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,258.23	42.62
28 21 31 00-0855		**Lock Boxes** *(28 21 31 00-0786)*		
28 21 31 00-0856	EA	VCR Lock Box (Pelco LB1000)	456.55	46.80
		For Wall Mount, Add	*165.00*	
28 21 31 00-0857	EA	Computer Disk Drive Lock Box (Pelco LB2000)	466.94	46.80
28 21 31 00-0858	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	851.71	46.80
28 21 31 00-0859		**Test And Certification Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0860	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	990.88	
28 21 31 00-0861	HR	Test And Certification Of Surveillance Camera System	309.65	
28 21 31 00-0862		**Programming Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0863	HR	Programming Of Surveillance Camera System	371.58	
28 21 31 00-0864		**Proprietary Surveillance Systems** *(28 21 31)*		
28 21 31 00-0865	MLF	Cat6E, Shielded, (F/UTP) CMR/CMX, UV/Outdoor, 23AWG 8/C, Drain Wire, Solid BC (ETL) Cable (I9 C6CMXR-1069BK)	1,316.11	
28 21 31 00-0866	EA	Perimeter Defender License (I9 0333-608)	520.14	
28 21 31 00-0867	EA	Perimeter Defender with PTZ Autotracking License (I9 01725-001)	520.14	
28 21 31 00-0868	EA	DIN Rail Clip A (I9 5503-931)	47.77	
28 21 31 00-0869	EA	DIN Rail Clip B (I9 T91A03)	49.43	
28 21 31 00-0870	EA	Main Cable Angle C13-Open 0.5m (I9 5506-244)	48.62	
28 21 31 00-0871	EA	21" x 21", 12 Gauge, Interior Panel (I9 A24P24)	216.13	
28 21 31 00-0872	EA	29" x 21" x 12" Deep, Type 3R, Vented Enclosure (I9 WF3LP)	1,945.99	
28 21 31 00-0873	EA	14U x 24" Deep, mobile security rack. Enclosed with locking doors, casters, and 10-32 rails. (I9 PTRK-14MDK)	2,610.89	
28 21 31 00-0874	EA	Rackrail, 10-32, 14 RU, PTRK Series (I9 PTRK-RR14)	68.26	
28 21 31 00-0875	EA	Utility Rackshelf, 1 RU, 10.4" D, Vented (I9 U1V)	97.91	
28 21 31 00-0876	EA	Utility Rackshelf, 2 RU, 14.75 D (I9 U2)	145.85	
28 21 31 00-0877	EA	Utility Rackshelf, 2 RU, 14.75 D, Vented (I9 U2V)	122.97	
28 21 31 00-0878	EA	Outdoor IR Network Dome Camera, 3.4-8.9mm Lens (I9 P3245-LVE)	1,313.66	
28 21 31 00-0879	EA	Outdoor PTZ Network Camera, 32x Lens (I9 P5655-E)	3,655.18	
28 21 31 00-0880	EA	Outdoor Thermal Network Camera, 19mm Lens (I9 Q1941-E)	5,069.40	
28 21 31 00-0881	EA	Outdoor Thermal Network Camera, 13mm Lens (I9 Q1941-E)	5,069.40	
28 21 31 00-0882	EA	Outdoor Thermal Network Camera, 60mm Lens (I9 Q1941-E)	7,908.51	
28 21 31 00-0883	EA	IR Dome Network Camera 3.4-8.9mm Lens (I9 P3245-LVE)	1,099.28	
28 21 31 00-0884	EA	Outdoor Network IR Dome Camera 3.5-10mm Lens (I9 P3228-LVE)	2,028.24	
28 21 31 00-0885	EA	Pole Mount, 50-150 mm (I9 T91B47)	157.89	
28 21 31 00-0886	EA	Wall Mount (I9 T91G61)	390.15	
28 21 31 00-0887	EA	Attachment Kit for PTZ Cameras (I9 T94AO1C)	202.76	
28 21 31 00-0888	EA	Dual Camera Mount (I9 T94V01C)	202.76	
28 21 31 00-0889	EA	Conduit Back Box (I9 T94S01P)	239.32	
28 21 31 00-0890	EA	Corner Bracket (I9 T91A64)	167.86	
28 21 31 00-0891	EA	Pendant Kit (I9 T94A01D)	119.67	
28 21 31 00-0892	EA	Tile Grid Ceiling Mount (I9 T91A23)	156.23	
28 21 31 00-0893	EA	Indoor Pendant Kit (I9 T94K01D)	99.73	
28 21 31 00-0894	EA	Pole Mount 65-165MM (I9 T91B67)	196.11	
28 21 31 00-0895	EA	Outdoor Pendant Kit for P32-VE Camera (I9 T94T01D)	113.02	
28 21 31 00-0896	EA	Wall Mount 1.5" NPS for selected Fixed Dome Cameras (I9 T91D61)	180.76	
28 21 31 00-0897	EA	Parapet Mount for PTZ and Dome Network Camera (I9 T91B62)	370.21	
28 21 31 00-0898	EA	1U Rackmount Console with built-in slide-out keyboard/touch pad and tilt-up 17-inch LCD monitor (I9 B021-000-17)	1,094.30	
28 21 31 00-0899	EA	1-Year Extended Warranty (I9 WEXT1J)	162.84	
28 21 31 00-0900	EA	Wall-Mountable Interconnect Center (WIC) (I9 WIC-02P)	185.74	
28 21 31 00-0901	EA	Closet Connector Housing (CCH) Panel (I9 CCH-CP12-19T)	168.69	
28 21 31 00-0902	EA	USB 2.0 Extender (I9 EXT-USB2.0-LR)	879.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0903	EA	SeaLevel IO Device: USB to 16 Isolated Inputs / 16 Reed Relay Outputs Digital Interface Adapter (I9 SeaDAC 8221)	596.63	
28 21 31 00-0904	EA	15 Watt, Midspan 1-Port (I9 T8120)	118.83	
28 21 31 00-0905	EA	30 Watt, Midspan 8-Port (I9 T8133)	155.39	
28 21 31 00-0906	EA	24" Monitor (I9 P2419H)	417.54	
28 21 31 00-0907	EA	43" Full HD Commercial LED Display (I9 CDE4302)	681.79	
28 21 31 00-0908	EA	Articulating Arm (20" Extension) TV Wall Mount Bracket for 32-65" TVs (I9 APDAM28)	544.63	
28 21 31 00-0909	EA	Slim Power Strip, 7 Outlet, 15 Amperage, 10' Cord, Vertical Mounting (I9 PD-715SC-NS)	181.23	
28 21 31 00-0910	EA	CV 20/20 Enterprise - 1 IP camera License (I9 SPEI)	325.70	
28 21 31 00-0911	EA	5 Year Extended Warranty for Complete View Enterprise (I9 SMAE5)	95.37	
28 21 31 00-0912	EA	NVR Server And 5 Year SFW updates included (I9 PowerPro PPN12T5B)	9,654.63	
28 21 31 00-0913	EA	Catalyst 3560cx-12pc-s Managed Switch (I9 WS-C3560CX-12PC-S)	2,368.92	
28 21 31 00-0914	EA	Extended Service Warranty (I9 CON-SNT-WSC312PC)	244.27	
28 21 31 00-0915	EA	Catalyst 8-Port 10/100/1000 Managed Gigabit Ethernet Switch (I9 WS-C3560CX-8PC-S)	1,754.04	
28 21 31 00-0916	EA	Extended Service Warranty (I9 CON-SNT-WSC38PCS)	199.40	
28 21 31 00-0917	EA	IE 1GB SD Memory Card for IE2000, IE3010 (I9 SD-IE-1GB)	468.21	
28 21 31 00-0918	EA	50 Watt AC To DC or High DC to DC Power Supply (I9 PWR-IE50W-AC)	488.16	
28 21 31 00-0919	EA	8 Port Switch (I9 IE-2000-8TC-B)	2,058.58	
28 21 31 00-0920	EA	Extended Service Warranty (I9 CON-SNT-IE2K8TCG)	272.52	
28 21 31 00-0921	EA	American Power Conversion (APC) Smart-UPS X 1500VA Rack/Tower LCD 120 Vole (I9 SMX1500RM2UNC)	2,131.29	
28 21 31 00-0922	EA	Industrial 1.5 kVA UPS Tower, 12-Year Batteries, Wide Temp (I9 SSG1.5 K-1)	2,844.22	
28 21 31 00-0923	EA	OptiPlex 7080 Micro (I9 Optiplex 7080 210-ASEG)	1,801.42	
28 21 31 00-0924	EA	OptiPlex Micro VESA Mount with adapter box (I9 Optiplex 452-BDEQ)	56.08	
28 21 31 00-0925	EA	Logitech MK520 Keyboard and Mouse Combo - Wireless (I9 MK520)	79.34	
28 21 31 00-0926		Removal And Reinstallation Of Cameras *(28 21 31)* Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0927	EA	Removal And Reinstallation Of Camera System	561.72	

28 30 Security Detection, Alarm, and Monitoring *(28)*

28 31 Intrusion Detection *(28 30)*

28 31 11 Building Intrusion Detection *(28 31)*

28 31 11 13 Building Intrusion Detection Remote Devices and Sensors *(28 31 11)*

28 31 11 13-0001 Intrusion / Panic Alarm Equipment *(28 31 11 13)*

28 31 11 13-0002	EA	Digital Keypad (Bosch D1255)	431.84	62.41
28 31 11 13-0003	EA	Alarm Panel (Bosch D7412GV4)	1,004.78	249.65
28 31 11 13-0004	EA	Alarm Panel (Bosch D9412GV4)	1,395.52	249.65
28 31 11 13-0005	EA	Passive Infrared / Microwave Detectors, Long Range (Bosch DS970)	254.88	46.80
28 31 11 13-0006	EA	Passive Infrared / Microwave Detectors, Medium Range (Bosch DS950)	237.82	46.80
28 31 11 13-0007	EA	Passive Infrared / Microwave Detectors, 360 (Bosch DS9360)	310.70	46.80
28 31 11 13-0008	EA	Glass Break Sensor (Honeywell FG1625F)	107.99	15.60
28 31 11 13-0009	EA	Siren/Speaker (Sentrol MPI-36)	77.91	24.96
28 31 11 13-0010	EA	Magnetic Door Contact Switch, Flush Mount (Sentrol 1078CT)	23.79	6.24
28 31 11 13-0011	EA	Magnetic Door Contact Switch, Surface Mount, Non-Exposed Wiring (Sentrol 1042TW)	26.74	6.24
28 31 11 13-0012	EA	Magnetic Door Contact Switch, Surface Mount, Exposed Wiring (Sentrol 2505)	57.96	9.37
28 31 11 13-0013	EA	Magnetic Door Contact Switch, Floor Mount (Sentrol 2707A)	177.82	15.60
28 31 11 13-0014	EA	Panel Enclosure (Bosch D8103)	133.06	46.80
28 31 11 13-0015	EA	Lock And Key Assembly (Bosch D101)	19.01	6.24
28 31 11 13-0016	EA	7 AH, 12 Volt Battery (Bosch D126)	80.06	15.60
28 31 11 13-0017	EA	Transformer (Bosch D1640)	33.88	6.24
28 31 11 13-0018	EA	Keypad Back Boxes (Bosch D56)	34.20	6.24
28 31 11 13-0019	EA	Auxiallry Relay (Bosch D136)	23.03	6.24
28 31 11 13-0020	EA	Phone Jack, Modular (Bosch D128)	106.46	15.60
28 31 11 13-0021	EA	Battery Charging Module (Bosch D8132)	240.75	24.96
28 31 11 13-0022	EA	OctoPopit (Bosch D8128D)	229.80	24.96
28 31 11 13-0023	EA	OctoRelay (Bosch D8129)	248.40	24.96
28 31 11 13-0024	EA	Transformer Kit (Bosch D8004)	111.79	12.49
28 31 11 13-0025	EA	Phone Jack, Modular (Bosch D166/RJ31X)	24.89	6.24

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001 Monitoring System For Underground Tanks *(28 42 11)*

28 42 11 00-0002 Continuous Leak Detection System *(28 42 11 00-0001)*

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	17,052.30	510.97
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	23,025.02	681.72
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	33,080.61	730.32
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	34,970.46	1,021.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	25,927.74	87.24
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	23,383.23	77.89
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	30,780.84	87.24
28 42 11 00-0010	EA	Tank Leak Detection Probe	9,545.96	18.69
28 42 11 00-0011	EA	Secondary Containment Collar Probe	1,154.13	7.48
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	2,111.43	15.57
28 42 11 00-0013	EA	Liquid Phase Detection	6,978.08	46.73
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	6,433.34	46.73
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	7,528.71	52.96
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	8,618.18	52.96

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001 Hydrogen Gas Detection *(28 42 15)*

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,016.53	46.80
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	106.41	46.80
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	512.58	46.80

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001 Edwards Fire Alarm *(28 46 13 31)*

28 46 13 31-0002 EST3 Life Safety And Security Control *(28 46 13 31-0001)*

28 46 13 31-0003 EST3 Network *(28 46 13 31-0002)*

28 46 13 31-0004 Remote Annunciators *(28 46 13 31-0003)*

28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,628.95	93.62
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,327.36	93.62
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,679.03	93.62
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,069.92	93.62
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	196.73	31.21
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	687.58	93.62
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	691.78	93.62
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	775.74	93.62
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	904.56	62.41
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	136.86	31.21
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,929.26	93.62
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,703.11	31.21

28 46 13 31-0017 Remote Annunciators Cabinets *(28 46 13 31-0003)*

28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	147.56	31.21
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	135.08	24.96
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	166.46	31.21
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	153.98	24.96
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	184.19	31.21
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	171.71	24.96

28 46 13 31-0024 Audio And Telephone Masters *(28 46 13 31-0003)*

28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,310.29	124.83
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	2,956.57	124.83
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,905.13	124.83
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,794.74	124.83
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,191.87	124.83
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,866.60	62.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0031		**Battery Distribution Unit** *(28 46 13 31-0003)*		
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	585.08	460.26
28 46 13 31-0033		**Remote Booster Power Supply** *(28 46 13 31-0003)*		
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	922.88	93.62
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,053.77	93.62
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,150.21	93.62
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	150.73	31.21
28 46 13 31-0038		**Batteries And Battery Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours))	114.79	31.21
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours))	143.22	31.21
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours))	339.40	31.21
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours))	154.61	31.21
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours))	430.47	31.21
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours))	241.95	31.21
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours))	874.19	31.21
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours))	247.82	31.21
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours))	1,052.59	31.21
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours))	137.68	31.21
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours))	123.48	31.21
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	442.06	62.41
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	365.48	62.41
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,250.12	124.83
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,551.62	124.83
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,176.84	124.83
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	975.39	31.21
28 46 13 31-0057		**EST3 Fire Alarm Panel Deprogramming** *(28 46 13 31-0003)*		
28 46 13 31-0058	EA	Fire Alarm Deprogramming EST3 Fire Alarm Panel And Firworks Graphical Terminal Note: Deprogram from fire alarm systems and Fireworks site networks of the EST3 fire alarm panels in Building 601/602. Deprogram the fire alarm system from the Fireworks site network. Fiber optic cabling is understood to remain in place. Provide splice patch cables to continue fiber circuit back to site fiber optic system.	8,808.00	
28 46 13 31-0059		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0060		**Detectors, Signature** *(28 46 13 31-0059)*		
28 46 13 31-0061	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	265.13	46.80
28 46 13 31-0062	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	298.23	46.80
28 46 13 31-0063	EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS)	255.27	46.80
28 46 13 31-0064	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	225.68	46.80
28 46 13 31-0065	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	235.54	46.80
28 46 13 31-0066	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	192.70	46.80
28 46 13 31-0067	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	192.70	46.80
28 46 13 31-0068	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	307.04	46.80
28 46 13 31-0069	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	339.34	46.80
28 46 13 31-0070	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	285.88	46.80
28 46 13 31-0071	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	414.13	46.80
28 46 13 31-0072	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	238.02	46.80
28 46 13 31-0073	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	238.02	46.80
28 46 13 31-0074	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	328.98	46.80
28 46 13 31-0075		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0059)*		
28 46 13 31-0076	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	537.08	78.01
28 46 13 31-0077	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	23.02	
28 46 13 31-0078	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	70.27	18.72
28 46 13 31-0079	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	140.09	24.96
28 46 13 31-0080	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	190.14	24.96
28 46 13 31-0081	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	82.98	24.96
28 46 13 31-0082		**Modules, Signature** *(28 46 13 31-0059)*		
28 46 13 31-0083	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	250.37	31.21
28 46 13 31-0084	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	117.98	31.21
28 46 13 31-0085	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	156.74	31.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0086	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	223.99	31.21
28 46 13 31-0087	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	171.36	31.21
28 46 13 31-0088	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	179.41	31.21
28 46 13 31-0089	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	138.46	31.21
28 46 13 31-0090	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	194.47	31.21
28 46 13 31-0091	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	260.40	31.21
28 46 13 31-0092	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	253.78	31.21
28 46 13 31-0093	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	243.92	31.21
28 46 13 31-0094	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	223.47	192.27
28 46 13 31-0095	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	163.04	31.21
28 46 13 31-0096	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	261.49	31.21
28 46 13 31-0097		**Module Accessories, Signature** *(28 46 13 31-0059)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0098	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	64.34	15.60
28 46 13 31-0099	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	220.79	31.21
28 46 13 31-0100	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	23.65	9.36
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	75.75	15.60
28 46 13 31-0102	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	67.55	15.60
28 46 13 31-0103	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	70.79	15.60
28 46 13 31-0104		**Single Action Pull Stations, Signature** *(28 46 13 31-0059)*		
28 46 13 31-0105	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	273.35	64.91
28 46 13 31-0106	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	322.82	64.91
28 46 13 31-0107	EA	GA Key - For Pre Signal Station (EST3 276-K2)	37.61	31.36
28 46 13 31-0108	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	47.14	40.89
28 46 13 31-0109	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	71.29	46.32
28 46 13 31-0110		**Double Action Pull Stations, Signature** *(28 46 13 31-0059)*		
28 46 13 31-0111	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	211.85	64.91
28 46 13 31-0112	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	47.85	6.24
28 46 13 31-0113		**Detector Bases and Accessories, Signature** *(28 46 13 31-0059)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0114	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	137.52	15.60
28 46 13 31-0115	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	51.10	15.60
28 46 13 31-0116	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	171.84	15.60
28 46 13 31-0117	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	97.30	15.60
28 46 13 31-0118	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	113.78	15.60
28 46 13 31-0119	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	179.73	15.60
28 46 13 31-0120	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	64.34	15.60
28 46 13 31-0121	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	23.79	9.36
28 46 13 31-0122	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	23.79	9.36
28 46 13 31-0123	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	68.33	9.36
28 46 13 31-0124	EA	Detector Base With Isolator (EST3 SIGA-IB)	112.12	15.60
28 46 13 31-0125	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	119.18	15.60
28 46 13 31-0126	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	69.23	15.60
28 46 13 31-0127	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	99.79	15.60
28 46 13 31-0128	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	43.64	15.60
28 46 13 31-0129		**Controllers, Signature** *(28 46 13 31-0059)*		
28 46 13 31-0130	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,808.37	93.62
28 46 13 31-0131	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,182.76	93.62
28 46 13 31-0132	EA	Signature Loop Controller (EST3 3-SDC1)	1,960.87	93.62
28 46 13 31-0133	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,143.28	93.62
28 46 13 31-0134		**Relays And Accessories** *(28 46 13 31-0059)*		
28 46 13 31-0135	EA	Multi Voltage Relay (EST3 MR101)	201.99	31.21
28 46 13 31-0136	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	60.13	15.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0137		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0138		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0137)*		
28 46 13 31-0139	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	164.12	46.80
28 46 13 31-0140	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	164.12	46.80
28 46 13 31-0141	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	187.09	46.80
28 46 13 31-0142	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	138.25	46.80
28 46 13 31-0143	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	138.25	46.80
28 46 13 31-0144	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	138.25	46.80
28 46 13 31-0145	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	138.25	46.80
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	116.51	46.80
28 46 13 31-0147	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	116.51	46.80
28 46 13 31-0148	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	116.51	46.80
28 46 13 31-0149	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	280.81	46.80
28 46 13 31-0150	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	280.81	46.80
28 46 13 31-0151	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	184.29	46.80
28 46 13 31-0152	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	184.29	46.80
28 46 13 31-0153	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	164.12	46.80
28 46 13 31-0154	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	164.12	46.80
28 46 13 31-0155	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	164.12	46.80
28 46 13 31-0156	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	164.12	46.80
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	170.58	46.80
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	170.58	46.80
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	185.68	46.80
28 46 13 31-0160	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	170.58	46.80
28 46 13 31-0161	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	170.58	46.80
28 46 13 31-0162	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	102.38	46.80
28 46 13 31-0163	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	102.38	46.80
28 46 13 31-0164		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0137)*		
28 46 13 31-0165	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	136.30	46.80
28 46 13 31-0166	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	209.13	46.80
28 46 13 31-0167	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	136.30	46.80
28 46 13 31-0168	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	209.13	46.80
28 46 13 31-0169	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	67.68	24.96
28 46 13 31-0170	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	67.68	24.96
28 46 13 31-0171		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0137)*		
28 46 13 31-0172	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	162.72	46.80
28 46 13 31-0173	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	209.13	46.80
28 46 13 31-0174	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	223.83	46.80
28 46 13 31-0175		**Harsh Environment Signals** *(28 46 13 31-0137)*		
28 46 13 31-0176	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	144.64	46.80
28 46 13 31-0177	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	202.60	46.80
28 46 13 31-0178	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	202.60	46.80
28 46 13 31-0179	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	185.37	46.80
28 46 13 31-0180	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	173.91	46.80
28 46 13 31-0181	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	185.37	46.80
28 46 13 31-0182	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	185.37	46.80
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	185.37	46.80
28 46 13 31-0184	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	204.98	53.05
28 46 13 31-0185	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	204.98	53.05
28 46 13 31-0186	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	151.63	46.80
28 46 13 31-0187	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	197.11	46.80
28 46 13 31-0188		**Fire Alarm Bells** *(28 46 13 31-0137)*		
28 46 13 31-0189	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	218.69	46.80
28 46 13 31-0190	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	175.39	46.80
28 46 13 31-0191	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	193.87	46.80
28 46 13 31-0192		**Multiple Tone Signal** *(28 46 13 31-0137)*		
28 46 13 31-0193	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,392.66	1,345.84
28 46 13 31-0194		**Multi-Purpose Loudspeaker** *(28 46 13 31-0137)*		
28 46 13 31-0195	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	287.74	46.80
28 46 13 31-0196	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	287.74	46.80
28 46 13 31-0197		**Bell/Strobe Plate** *(28 46 13 31-0137)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0198	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	145.60	24.96
28 46 13 31-0199		**Mounting Accessories** *(28 46 13 31-0137)*		
28 46 13 31-0200	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	69.02	24.96
28 46 13 31-0201	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	69.02	24.96
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	69.02	24.96
28 46 13 31-0203	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	69.02	24.96
28 46 13 31-0204	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	69.02	24.96
28 46 13 31-0205		**Firefighters' Telephones** *(28 46 13 31-0137)*		
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,248.72	78.01
28 46 13 31-0207	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	702.39	78.01
28 46 13 31-0208	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	505.64	78.01
28 46 13 31-0209	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	368.48	78.01
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	677.90	78.01
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	417.43	78.01
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	764.60	78.01
28 46 13 31-0213	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	433.75	78.01
28 46 13 31-0214	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	875.63	78.01
28 46 13 31-0215	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	95.71	24.96
28 46 13 31-0216	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	109.92	24.96
28 46 13 31-0217	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	153.78	
28 46 13 31-0218	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	153.78	
28 46 13 31-0219	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	232.86	31.21
28 46 13 31-0220	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	289.40	31.21
28 46 13 31-0221	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	204.59	31.21
28 46 13 31-0222	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	196.28	31.21
28 46 13 31-0223	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	145.27	46.80
28 46 13 31-0224	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,288.89	62.41
28 46 13 31-0225		**Mass Notification EC Appliances** *(28 46 13 31-0137)*		
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	170.63	46.80
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	164.76	46.80
28 46 13 31-0228	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	170.63	46.80
28 46 13 31-0229	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	164.76	46.80
28 46 13 31-0230	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	25.74	9.36
28 46 13 31-0231		**Hazardous Location Devices** *(28 46 13 31-0002)*		
28 46 13 31-0232		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 13 31-0231)*		
28 46 13 31-0233	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	152.20	46.80
28 46 13 31-0234	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	152.20	46.80
28 46 13 31-0235	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	158.51	46.80
28 46 13 31-0236	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	158.51	46.80
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	216.86	46.80
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	216.86	46.80
28 46 13 31-0239	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	158.51	46.80
28 46 13 31-0240	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	158.51	46.80
28 46 13 31-0241		**Hazardous Locations Fire Alarm Station** *(28 46 13 31-0231)*		
28 46 13 31-0242	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,322.79	78.01
28 46 13 31-0243	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,259.40	78.01
28 46 13 31-0244		**Hazardous Location Strobes** *(28 46 13 31-0231)*		
28 46 13 31-0245	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,964.23	46.80
28 46 13 31-0246	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	366.78	15.60
28 46 13 31-0247	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	479.80	18.72
28 46 13 31-0248	EA	Pendant Mounting Module (EST3 116EX-P)	352.22	18.72
28 46 13 31-0249		**Hazardous Location Bells** *(28 46 13 31-0231)*		
28 46 13 31-0250	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,417.78	46.80
28 46 13 31-0251	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,454.48	46.80
28 46 13 31-0252	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,467.69	46.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0253		Hazardous Location Horns *(28 46 13 31-0231)*		
28 46 13 31-0254	EA	Hazardous Location Horns (EST3 888D-N5)	1,386.15	46.80
28 46 13 31-0255	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,132.22	46.80
28 46 13 31-0256		Door Holders And Relays *(28 46 13 31-0002)*		
28 46 13 31-0257		Electromagnetic Door Holders *(28 46 13 31-0256)*		
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	248.93	46.80
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	322.58	46.80
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	211.32	46.80
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	211.32	46.80
28 46 13 31-0262	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	214.72	46.80
28 46 13 31-0263	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	217.96	46.80
28 46 13 31-0264		Control Relays, Multi-Voltage *(28 46 13 31-0256)*		
28 46 13 31-0265	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	50.32	9.36
28 46 13 31-0266		FireShield Plus *(28 46 13 31-0002)*		
28 46 13 31-0267		3 Zone System *(28 46 13 31-0266)*		
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,350.58	374.48
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,967.08	499.30
28 46 13 31-0270	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,350.58	374.48
28 46 13 31-0271	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,967.08	499.30
28 46 13 31-0272	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	94.67	15.60
28 46 13 31-0273	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	94.67	15.60
28 46 13 31-0274		5 Zone System *(28 46 13 31-0266)*		
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,453.30	374.48
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,063.92	499.30
28 46 13 31-0277	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,453.30	374.48
28 46 13 31-0278	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,063.92	499.30
28 46 13 31-0279	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	94.67	15.60
28 46 13 31-0280	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	94.67	15.60
28 46 13 31-0281		10 Zone System *(28 46 13 31-0266)*		
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,099.14	499.30
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,715.64	624.13
28 46 13 31-0284	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,055.12	499.30
28 46 13 31-0285	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,715.64	624.13
28 46 13 31-0286	EA	Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	110.57	15.60
28 46 13 31-0287	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	202.15	31.21
28 46 13 31-0288		FireShield Plus Off Premise Communication Options *(28 46 13 31-0266)*		
28 46 13 31-0289	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	443.93	31.21
28 46 13 31-0290		FireShield Plus Remote LED Annunciators *(28 46 13 31-0266)*		
28 46 13 31-0291	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	188.85	46.80
28 46 13 31-0292	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	188.85	46.80
28 46 13 31-0293	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	196.34	46.80
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	37.81	9.36
28 46 13 31-0295	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	47.39	9.36
28 46 13 31-0296	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	70.40	9.36

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28 46 13 31-0297		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 13 31-0266)*		
28 46 13 31-0298	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	592.53	46.80
28 46 13 31-0299	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	651.22	46.80
28 46 13 31-0300	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	209.15	31.21
28 46 13 31-0301		**FireShield Plus Remote Relays And Interfaces** *(28 46 13 31-0266)*		
28 46 13 31-0302	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	221.12	31.21
28 46 13 31-0303	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	91.52	18.72
28 46 13 31-0304	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	352.95	31.21
28 46 13 31-0305		**FireShield Plus Accessories** *(28 46 13 31-0266)*		
28 46 13 31-0306	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	20.58	
28 46 13 31-0307	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	12.55	
28 46 13 31-0308		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0309		**Intelligent Analog Control Panels** *(28 46 13 31-0308)*		
28 46 13 31-0310	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	4,046.06	624.13
28 46 13 31-0311	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,330.73	624.13
28 46 13 31-0312	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,229.81	499.30
28 46 13 31-0313	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,361.87	499.30
28 46 13 31-0314		**Option Modules And Accessories For iO Series** *(28 46 13 31-0308)*		
28 46 13 31-0315	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	387.10	46.80
28 46 13 31-0316	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	240.36	46.80
28 46 13 31-0317	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	240.36	46.80
28 46 13 31-0318	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	209.15	31.21
28 46 13 31-0319	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	431.45	24.96
28 46 13 31-0320	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	783.62	24.96
28 46 13 31-0321	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	92.84	15.60
28 46 13 31-0322	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	107.51	15.60
28 46 13 31-0323	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,445.47	62.41
28 46 13 31-0324		**Remote Annunciators For iO Series** *(28 46 13 31-0308)*		
28 46 13 31-0325	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	790.61	46.80
28 46 13 31-0326	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	827.31	46.80
28 46 13 31-0327		**Remote Annunciator Accessories** *(28 46 13 31-0308)*		
28 46 13 31-0328	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	89.91	15.60
28 46 13 31-0329	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	60.56	15.60
28 46 13 31-0330	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	82.56	15.60
28 46 13 31-0331	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	240.36	46.80
28 46 13 31-0332	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	277.03	46.80
28 46 13 31-0333	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	313.73	46.80
28 46 13 31-0334	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	60.56	15.60
28 46 13 31-0335	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	60.56	15.60
28 46 13 31-0336	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	124.68	15.60
28 46 13 31-0337		**System Accessories** *(28 46 13 31-0308)*		
28 46 13 31-0338	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	442.06	62.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0339	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,999.95	499.30
28 46 13 31-0340		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0341		**Detectors, Heat, Double Pole** *(28 46 13 31-0340)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0342	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	172.69	46.80
28 46 13 31-0343	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	172.69	46.80
28 46 13 31-0344	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	172.69	46.80
28 46 13 31-0345	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	172.69	46.80
28 46 13 31-0346		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0340)*		
28 46 13 31-0347	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	106.66	46.80
28 46 13 31-0348	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	289.80	24.96
28 46 13 31-0349	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	91.01	31.21
28 46 13 31-0350		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0340)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0351	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	161.41	46.80
28 46 13 31-0352	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	161.41	46.80
28 46 13 31-0353		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0354		**Audio Notification Panels** *(28 46 13 31-0353)*		
28 46 13 31-0355	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,606.36	624.13
28 46 13 31-0356	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,606.36	624.13
28 46 13 31-0357	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,183.01	624.13
28 46 13 31-0358	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,183.01	624.13
28 46 13 31-0359	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	4,887.35	624.13
28 46 13 31-0360	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	4,887.35	624.13
28 46 13 31-0361		**Audio Notification Expander Panels** *(28 46 13 31-0353)*		
28 46 13 31-0362	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,300.40	624.13
28 46 13 31-0363	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,300.40	624.13
28 46 13 31-0364	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,921.07	624.13
28 46 13 31-0365	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,921.07	624.13
28 46 13 31-0366	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,728.12	624.13
28 46 13 31-0367	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,728.12	624.13
28 46 13 31-0368		**Audio Notification Output Accessories** *(28 46 13 31-0353)*		
28 46 13 31-0369	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	163.27	15.60
28 46 13 31-0370	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	722.73	31.21
28 46 13 31-0371	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	722.73	31.21
28 46 13 31-0372	EA	Class A Converter (GE ANSZSC4A)	517.30	31.21
28 46 13 31-0373		**Audio Notification Remote Microphone** *(28 46 13 31-0353)*		
28 46 13 31-0374	EA	Microphone (GE ANSMIKE)	194.47	31.21
28 46 13 31-0375	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	796.10	31.21
28 46 13 31-0376	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	796.10	31.21
28 46 13 31-0377	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	177.95	15.60
28 46 13 31-0378	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	97.23	15.60
28 46 13 31-0379		**Audio Notification Accessories** *(28 46 13 31-0353)*		
28 46 13 31-0380	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	326.54	31.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0381	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	326.54	31.21
28 46 13 31-0382	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	326.54	31.21
28 46 13 31-0383	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	722.73	31.21
28 46 13 31-0384		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0353)*		
28 46 13 31-0385	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,634.04	62.41
28 46 13 31-0386	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,766.11	62.41
28 46 13 31-0387	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	3,822.61	62.41
28 46 13 31-0388	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,445.47	62.41
28 46 13 31-0389	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,445.47	62.41
28 46 13 31-0390	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,634.04	62.41
28 46 13 31-0391	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,105.79	62.41
28 46 13 31-0392	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,237.85	62.41
28 46 13 31-0393	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,294.36	62.41
28 46 13 31-0394	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	163.27	15.60
28 46 13 31-0395	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	120.78	15.60
28 46 13 31-0396		**Simplex Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0397		**4100 Fire Alarm Control Panel** *(28 46 13 31-0396)*		
28 46 13 31-0398	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	6,941.36	623.14
28 46 13 31-0399	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,578.65	623.14
28 46 13 31-0400	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	10,916.43	623.14
28 46 13 31-0401	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	4,436.96	623.14
28 46 13 31-0402	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	3,465.07	623.14
28 46 13 31-0403	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,218.84	155.78
28 46 13 31-0404	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	464.19	31.16
28 46 13 31-0405	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,333.84	31.16
28 46 13 31-0406		**4100U Backbox** *(28 46 13 31-0396)*		
28 46 13 31-0407	EA	2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,311.33	124.63
28 46 13 31-0408	EA	3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,256.86	124.63
28 46 13 31-0409		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 13 31-0396)*		
28 46 13 31-0410	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,265.70	62.31
28 46 13 31-0411		**4010 Fire Alarm Control Panel** *(28 46 13 31-0396)*		
28 46 13 31-0412	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,550.70	623.14
28 46 13 31-0413	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,356.84	623.14
28 46 13 31-0414	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	238.28	31.16
28 46 13 31-0415	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,038.73	31.16
28 46 13 31-0416	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,428.61	31.16
28 46 13 31-0417	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	733.40	31.16
28 46 13 31-0418	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	793.75	31.16
28 46 13 31-0419	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	296.93	31.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0420		**Printer** *(28 46 13 31-0396)*		
28 46 13 31-0421	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,301.69	31.16
28 46 13 31-0422		**NAC Panel / Power Booster** *(28 46 13 31-0396)*		
28 46 13 31-0423	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,482.52	155.78
28 46 13 31-0424		**Battery** *(28 46 13 31-0396)*		
28 46 13 31-0425	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	929.96	31.16
28 46 13 31-0426	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	617.29	31.16
28 46 13 31-0427	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	221.26	31.16
28 46 13 31-0428		**Interface Modules** *(28 46 13 31-0396)*		
28 46 13 31-0429	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	178.29	31.16
28 46 13 31-0430	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	371.29	31.16
28 46 13 31-0431	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	87.36	31.16
28 46 13 31-0432	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	180.41	31.16
28 46 13 31-0433	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	80.19	15.57
28 46 13 31-0434	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	76.11	15.57
28 46 13 31-0435		**Pull Stations** *(28 46 13 31-0396)*		
28 46 13 31-0436	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	219.69	31.16
28 46 13 31-0437	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	156.31	31.16
28 46 13 31-0438	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	168.55	31.16
28 46 13 31-0439	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	150.79	31.16
28 46 13 31-0440	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	176.74	31.16
28 46 13 31-0441	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	269.98	31.16
28 46 13 31-0442	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	225.77	31.16
28 46 13 31-0443	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	266.63	31.16
28 46 13 31-0444	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	122.25	31.16
28 46 13 31-0445	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	129.73	31.16
28 46 13 31-0446	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	153.81	31.16
28 46 13 31-0447	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	241.34	31.16
28 46 13 31-0448	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	420.36	31.16
28 46 13 31-0449	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	135.87	31.16
28 46 13 31-0450	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	84.29	15.57
28 46 13 31-0451		**Weatherproof Pull Stations** *(28 46 13 31-0396)*		
28 46 13 31-0452	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	213.74	37.39
28 46 13 31-0453	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	138.58	15.57
28 46 13 31-0454		**Heat / Smoke Sensor** *(28 46 13 31-0396)*		
28 46 13 31-0455	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	213.85	46.73
28 46 13 31-0456	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	314.16	46.73
28 46 13 31-0457	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	621.59	15.57
28 46 13 31-0458	EA	Standard Sensor Base (Simplex 4098-9792)	314.93	15.57
28 46 13 31-0459	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	179.04	31.16
28 46 13 31-0460		**Explosion Proof Heat Detector** *(28 46 13 31-0396)*		
28 46 13 31-0461	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	226.68	46.73
28 46 13 31-0462	EA	Explosion Proof Backbox (Killark JLX-21)	149.69	15.57
28 46 13 31-0463	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	13.47	3.12
28 46 13 31-0464		**Weatherproof Heat Detector** *(28 46 13 31-0396)*		
28 46 13 31-0465	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	162.22	46.73
28 46 13 31-0466		**200 Degree F Heat Detector** *(28 46 13 31-0396)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0467	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	133.41	46.73
28 46 13 31-0468		**Duct Smoke Sensor** *(28 46 13 31-0396)*		
28 46 13 31-0469	EA	Duct Sensor Housing (Simplex 4098-9755)	501.08	24.92
28 46 13 31-0470	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	673.00	56.08
28 46 13 31-0471	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	73.79	15.57
28 46 13 31-0472	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	174.38	46.73
28 46 13 31-0473		**Interior Horn** *(28 46 13 31-0396)*		
28 46 13 31-0474	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	160.98	46.73
28 46 13 31-0475	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	160.98	46.73
28 46 13 31-0476		**Interior Horn Strobe** *(28 46 13 31-0396)*		
28 46 13 31-0477	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	224.72	46.73
28 46 13 31-0478	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	224.72	46.73
28 46 13 31-0479	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	210.18	46.73
28 46 13 31-0480	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	210.18	46.73
28 46 13 31-0481	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	210.18	46.73
28 46 13 31-0482	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	210.18	46.73
28 46 13 31-0483	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	215.05	46.73
28 46 13 31-0484	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	215.05	46.73
28 46 13 31-0485	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	223.63	46.73
28 46 13 31-0486	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	219.67	46.73
28 46 13 31-0487	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	223.63	46.73
28 46 13 31-0488	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	219.67	46.73
28 46 13 31-0489	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	210.18	46.73
28 46 13 31-0490	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	210.18	46.73
28 46 13 31-0491	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	210.18	46.73
28 46 13 31-0492	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	210.18	46.73
28 46 13 31-0493		**Interior Strobe** *(28 46 13 31-0396)*		
28 46 13 31-0494	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	179.28	46.73
28 46 13 31-0495	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	179.28	46.73
28 46 13 31-0496	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	179.22	46.73
28 46 13 31-0497	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	179.28	46.73
28 46 13 31-0498	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	197.76	46.73
28 46 13 31-0499	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	197.76	46.73
28 46 13 31-0500	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	198.94	46.73
28 46 13 31-0501	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	202.16	46.73
28 46 13 31-0502	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	202.16	46.73
28 46 13 31-0503	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	202.16	46.73
28 46 13 31-0504	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	179.28	46.73
28 46 13 31-0505	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	179.28	46.73
28 46 13 31-0506	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	179.28	46.73
28 46 13 31-0507	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	179.28	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0508		**Interior Speakers** *(28 46 13 31-0396)*		
28 46 13 31-0509	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	145.33	46.73
28 46 13 31-0510	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	145.33	46.73
28 46 13 31-0511	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	145.33	46.73
28 46 13 31-0512		**Interior Speaker Strobe** *(28 46 13 31-0396)*		
28 46 13 31-0513	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	239.12	46.73
28 46 13 31-0514	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	239.12	46.73
28 46 13 31-0515		**Surge Suppressors** *(28 46 13 31-0396)*		
28 46 13 31-0516	EA	Overvoltage Suppressor (Simplex 2081-9044)	156.26	9.35
28 46 13 31-0517	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	99.65	9.35
28 46 13 31-0518	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	335.64	9.35
28 46 13 31-0519	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	114.23	9.35
28 46 13 31-0520	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	172.03	15.57
28 46 13 31-0521	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	117.13	9.35
28 46 13 31-0522	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	87.95	9.35
28 46 13 31-0523		**Boxes And Adapters** *(28 46 13 31-0396)*		
28 46 13 31-0524	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	76.11	15.57
28 46 13 31-0525	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	72.02	15.57
28 46 13 31-0526	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	64.01	15.57
28 46 13 31-0527	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	52.64	15.57
28 46 13 31-0528		**Accessories** *(28 46 13 31-0396)*		
28 46 13 31-0529	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	35.91	15.57
28 46 13 31-0530		**Additional Simplex And STI Fire Alarm Devices** *(28 46 13 31-0396)*		
28 46 13 31-0531	EA	Audible/Visible Notification Appliances, Wall Mount Multi-Candela Horn/Strobe, Red (Simplex 49AV-WRF)	392.65	46.73
28 46 13 31-0532	EA	Single Action Addressable Manual Pull Station - LED (Simplex 4099-9004)	243.63	31.16
28 46 13 31-0533	EA	Test Station With Keyswitch And Red LED Alarm Indicator (Simplex 4098-9834)	182.53	46.73
28 46 13 31-0534	EA	Duct Weatherproof Enclosure (Simplex 4098-9845)	1,109.42	56.08
28 46 13 31-0535	EA	Sampling Tube 49", Plastic (Simplex 4098-9856)	94.62	15.57
28 46 13 31-0536	EA	IDNAC Repeater Platinum (Simplex 4009-9601)	2,982.15	144.82
28 46 13 31-0537	EA	50 Amp Hours, Battery Cabinet, Red (Simplex 2081-9282)	6,280.25	415.01
28 46 13 31-0538	EA	10 Amp Hours, 12 Volt Battery (Simplex 2081-9274)	113.55	31.16
28 46 13 31-0539	EA	MR201/C Relay, DPDT With LED (Simplex 2088-9010)	86.82	24.92
28 46 13 31-0540	EA	Visible Notification Appliances, Wall Mount Multi-Candela Strobes, Red (Simplex 49VO-WRF)	229.46	46.73
28 46 13 31-0541	EA	SSD Adapter Plate (Simplex 4098-9832)	58.36	15.57
28 46 13 31-0542	EA	Backbox/A-V Device, Red (Simplex 2975-9145)	251.55	62.31
28 46 13 31-0543	EA	8-5/16" x 5-3/4" Backbox Adapter Plate, Red (Simplex 4905-9931)	116.00	24.92
28 46 13 31-0544	EA	6-1/16" H x 6-1/16" W x 3-1/8" D, Wire Guard for Wall Mount TrueAlert V/O or A/V, Includes Mounting Plate, Red (Simplex 4905-9961)	73.65	18.69
28 46 13 31-0545	EA	Backbox Manual Station (Simplex 2975-9022)	341.25	62.31
28 46 13 31-0546	EA	Master Controller With InfoAlarm Command Center, 120 VAC, 60 HZ (Simplex 4100-9114)	9,991.89	623.14
28 46 13 31-0547	EA	Remote Fire Alarm LCD Annunciator (Simplex 4603-9101)	1,725.35	46.73
28 46 13 31-0548	EA	Double Action, Addressable Manual Stations, Red Housing with White Letters and White Pull Lever (Simplex 4099-9005)	261.76	31.16
28 46 13 31-0549	EA	Addressable Manual Stations, Red Housing with White Letters and White Pull Lever (Simplex 4099-9002)	397.75	31.16
28 46 13 31-0550		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0551		**Conventional Control Panels** *(28 46 13 31-0550)*		
28 46 13 31-0552		**SXL Batteries And Power Supplies** *(28 46 13 31-0551)*		
28 46 13 31-0553	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,322.01	62.31
28 46 13 31-0554	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,063.75	62.31
28 46 13 31-0555		**Digital Fire Communicators** *(28 46 13 31-0551)*		
28 46 13 31-0556	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,029.71	62.31
28 46 13 31-0557		**Addressable Control Panels** *(28 46 13 31-0550)*		
28 46 13 31-0558		**Fireseeker Equipment** *(28 46 13 31-0557)*		
28 46 13 31-0559		**FS-250 System Panels** *(28 46 13 31-0558)*		
28 46 13 31-0560	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	3,143.30	623.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0561	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	3,932.16	623.14
28 46 13 31-0562	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,335.27	498.51
28 46 13 31-0563	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,148.00	623.14
28 46 13 31-0564		**FS-250 Optional Modules** *(28 46 13 31-0558)*		
28 46 13 31-0565	EA	Main Board Module (Siemens FS-MB2)	1,331.40	62.31
28 46 13 31-0566	EA	Display Board Module (Siemens FS-DB2)	1,038.99	31.16
28 46 13 31-0567	EA	Device Loop Card (Siemens FS-DLC)	851.17	31.16
28 46 13 31-0568	EA	Releasing Module (Siemens FS-REL)	376.92	31.16
28 46 13 31-0569	EA	Remote LCD Annunciator (Siemens FS-RD2)	845.30	31.16
28 46 13 31-0570	EA	Relay Processor Card (Siemens FS-RU2)	733.78	31.16
28 46 13 31-0571	EA	Relay Expander Board (Siemens FS-RE8)	625.78	31.16
28 46 13 31-0572	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	845.30	31.16
28 46 13 31-0573	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	658.65	31.16
28 46 13 31-0574	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	598.78	31.16
28 46 13 31-0575	EA	Municipal Tie Module (Siemens FS-MT)	508.39	31.16
28 46 13 31-0576	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	461.54	
28 46 13 31-0577	EA	Programming Cable Kit (Siemens CBL-UD)	121.55	15.57
28 46 13 31-0578	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	218.44	31.16
28 46 13 31-0579	EA	Releasing Power Transformer (Siemens FS-RPT-A)	221.96	31.16
28 46 13 31-0580	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	251.76	24.92
28 46 13 31-0581	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	411.50	15.57
28 46 13 31-0582		**Firefinder Systems** *(28 46 13 31-0557)*		
28 46 13 31-0583		**XLS Basic Fire System Packages Without Backbox** *(28 46 13 31-0582)*		
28 46 13 31-0584	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	11,124.24	623.14
28 46 13 31-0585	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,783.64	623.14
28 46 13 31-0586	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,783.64	623.14
28 46 13 31-0587	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	16,446.70	623.14
28 46 13 31-0588	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	17,003.13	623.14
28 46 13 31-0589	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,648.64	623.14
28 46 13 31-0590	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,648.64	623.14
28 46 13 31-0591	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	11,216.97	623.14
28 46 13 31-0592		**Firefinder - XLS Basic System Equipment** *(28 46 13 31-0582)*		
28 46 13 31-0593	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,158.89	623.14
28 46 13 31-0594	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	8,623.07	623.14
28 46 13 31-0595	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,158.89	623.14
28 46 13 31-0596	EA	Two Slot Card Cage (Siemens CC-2)	644.56	31.16
28 46 13 31-0597	EA	Five Slot Card Cage (Siemens CC-5)	1,091.82	31.16
28 46 13 31-0598	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,561.38	31.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0599	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,630.64	31.16
28 46 13 31-0600	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	513.09	31.16
28 46 13 31-0601	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,851.33	31.16
28 46 13 31-0602	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,047.21	31.16
28 46 13 31-0603	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	3,974.92	31.16
28 46 13 31-0604	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,724.87	623.14
28 46 13 31-0605	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,225.64	31.16
28 46 13 31-0606	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,305.80	31.16
28 46 13 31-0607	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	555.35	31.16
28 46 13 31-0608	EA	Conventional Detector Card (Siemens CDC-4)	1,181.04	31.16
28 46 13 31-0609	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,316.20	31.16
28 46 13 31-0610	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,335.96	31.16
28 46 13 31-0611		**Remote Lobby Enclosure** *(28 46 13 31-0582)*		
28 46 13 31-0612	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,525.29	124.63
28 46 13 31-0613	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,971.37	124.63
28 46 13 31-0614	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	241.92	31.16
28 46 13 31-0615	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	264.22	31.16
28 46 13 31-0616		**Battery Enclosures** *(28 46 13 31-0582)*		
28 46 13 31-0617	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	943.03	124.63
28 46 13 31-0618		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0582)*		
28 46 13 31-0619	EA	Output Control Module (Siemens OCM-16)	756.08	31.16
28 46 13 31-0620	EA	Supervised Input Module (Siemens SIM-16)	756.08	31.16
28 46 13 31-0621		**Remote LCD Displays** *(28 46 13 31-0582)*		
28 46 13 31-0622	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,751.75	93.47
28 46 13 31-0623	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,975.96	93.47
28 46 13 31-0624		**Voice Equipment** *(28 46 13 31-0582)*		
28 46 13 31-0625	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,743.33	31.16
28 46 13 31-0626	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	3,864.57	31.16
28 46 13 31-0627	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,627.12	31.16
28 46 13 31-0628		**MXL Series Equipment** *(28 46 13 31-0557)*		
28 46 13 31-0629		**MXL Optional Equipment** *(28 46 13 31-0628)*		
28 46 13 31-0630	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,876.09	62.31
28 46 13 31-0631	EA	CXL/MXL Interface Module (Siemens CMI-300)	4,851.82	31.16
28 46 13 31-0632	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	832.39	31.16
28 46 13 31-0633	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,004.95	31.16
28 46 13 31-0634	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	378.09	31.16
28 46 13 31-0635	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	233.70	31.16
28 46 13 31-0636	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	977.95	31.16
28 46 13 31-0637	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	351.73	46.73
28 46 13 31-0638	EA	Lexan Window For RCC (Siemens GENBOX-WD)	238.85	24.92
28 46 13 31-0639	EA	Input Driver Module (Siemens MID-16)	641.04	31.16
28 46 13 31-0640	EA	Programmable Output Driver Module (Siemens MOD-16)	641.04	31.16
28 46 13 31-0641	EA	MXL Output/Input Module (Siemens MOI-7)	1,026.08	31.16
28 46 13 31-0642	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	545.96	31.16
28 46 13 31-0643	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	859.39	31.16
28 46 13 31-0644	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,113.31	93.47
28 46 13 31-0645	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,113.31	93.47
28 46 13 31-0646	EA	Network Interface Module (Siemens NIM-1W)	1,530.86	31.16
28 46 13 31-0647	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,005.74	124.63
28 46 13 31-0648	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	448.52	31.16
28 46 13 31-0649	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,374.72	623.14
28 46 13 31-0650	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	539.02	62.31
28 46 13 31-0651	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,374.72	623.14
28 46 13 31-0652	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	553.10	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0653	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,359.30	623.14
28 46 13 31-0654	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	5,036.80	623.14
28 46 13 31-0655	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	83.99	15.57
28 46 13 31-0656	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,228.91	62.31
28 46 13 31-0657	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,268.79	62.31
28 46 13 31-0658	EA	Releasing End Of Line Module (Siemens REL-EOL)	190.27	31.16
28 46 13 31-0659	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	3,971.50	62.31
28 46 13 31-0660	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,791.89	62.31
28 46 13 31-0661	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,011.28	124.63
28 46 13 31-0662		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 13 31-0628)*		
28 46 13 31-0663	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	14,522.68	623.14
28 46 13 31-0664	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	18,922.45	623.14
28 46 13 31-0665	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	39,470.40	623.14
28 46 13 31-0666		**MXL Basic System** *(28 46 13 31-0628)*		
28 46 13 31-0667	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	8,986.56	623.14
28 46 13 31-0668	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	11,614.93	623.14
28 46 13 31-0669	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,349.33	62.31
28 46 13 31-0670	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,196.89	62.31
28 46 13 31-0671	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,454.75	93.47
28 46 13 31-0672	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	107.46	15.57
28 46 13 31-0673		**MXL/MXLR System Expansion Accessories** *(28 46 13 31-0628)*		
28 46 13 31-0674	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,786.97	93.47
28 46 13 31-0675	EA	Style 4 Communication Module (Siemens NET-4)	366.35	31.16
28 46 13 31-0676	EA	Style 7 Communication Module (Siemens NET-7)	668.04	31.16
28 46 13 31-0677	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	400.39	31.16
28 46 13 31-0678		**Peripheral Devices** *(28 46 13 31-0557)*		
28 46 13 31-0679		**Thermal Detectors** *(28 46 13 31-0678)*		
28 46 13 31-0680	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	150.99	46.73
28 46 13 31-0681	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	150.99	46.73
28 46 13 31-0682	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	150.99	46.73
28 46 13 31-0683	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	150.99	46.73
28 46 13 31-0684	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	239.03	46.73
28 46 13 31-0685	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	239.03	46.73
28 46 13 31-0686	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	594.73	46.73
28 46 13 31-0687		**Beam Smoke Detector** *(28 46 13 31-0678)*		
28 46 13 31-0688	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,823.25	46.73
28 46 13 31-0689	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	322.29	15.57
28 46 13 31-0690	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	325.81	15.57
28 46 13 31-0691	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	166.16	15.57
28 46 13 31-0692		**Bases For Detectors** *(28 46 13 31-0678)*		
28 46 13 31-0693	EA	Detector Base (Siemens DB-11)	48.77	15.57
28 46 13 31-0694	EA	Universal Base (Siemens DB-3S)	45.25	15.57
28 46 13 31-0695		**Manual Stations** *(28 46 13 31-0678)*		
28 46 13 31-0696	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	355.34	37.39
28 46 13 31-0697		**Addressable Devices** *(28 46 13 31-0557)*		
28 46 13 31-0698		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0697)*		
28 46 13 31-0699	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	295.38	46.73
28 46 13 31-0700	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	254.29	46.73
28 46 13 31-0701	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	206.16	46.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0702	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	136.90	46.73
28 46 13 31-0703	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	136.90	46.73
28 46 13 31-0704	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	310.00	31.16
28 46 13 31-0705	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	295.92	31.16
28 46 13 31-0706	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	233.70	31.16
28 46 13 31-0707	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	286.52	31.16
28 46 13 31-0708	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	286.52	31.16
28 46 13 31-0709	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	216.09	31.16
28 46 13 31-0710	EA	Line Isolator Module (Siemens HLIM)	223.13	31.16
28 46 13 31-0711	EA	Remote Convention Zone Module (Siemens HZM)	331.13	31.16
28 46 13 31-0712	EA	Intelligent Control Point Module (Siemens HCP)	420.35	31.16
28 46 13 31-0713	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,862.44	
28 46 13 31-0714	EA	DPU Carrying Case (Siemens DPU-C1)	286.34	
28 46 13 31-0715	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,189.58	31.16
28 46 13 31-0716		**Air Duct Housings And Detectors** *(28 46 13 31-0697)*		
28 46 13 31-0717	EA	Air-Duct Housing (Siemens AD2-P)	339.80	24.92
28 46 13 31-0718	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	384.41	24.92
28 46 13 31-0719	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	307.66	31.16
28 46 13 31-0720	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	42.17	9.35
28 46 13 31-0721	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	51.92	12.47
28 46 13 31-0722	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	65.20	15.57
28 46 13 31-0723	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	76.13	18.69
28 46 13 31-0724		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0697)*		
28 46 13 31-0725	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	308.29	46.73
28 46 13 31-0726	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	264.86	46.73
28 46 13 31-0727	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	341.16	46.73
28 46 13 31-0728	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	301.79	31.16
28 46 13 31-0729	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	333.48	31.16
28 46 13 31-0730	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	305.31	31.16
28 46 13 31-0731	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	338.18	31.16
28 46 13 31-0732	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	338.18	31.16
28 46 13 31-0733		**Detector Universal Bases** *(28 46 13 31-0697)*		
28 46 13 31-0734	EA	Detector Base With Relay (Siemens DB-X11RS)	142.68	15.57
28 46 13 31-0735	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	72.25	15.57
28 46 13 31-0736	EA	Locking Kit (Siemens LK-11)	13.41	
28 46 13 31-0737	EA	Detector Base With Relay (Siemens DB-X3RS)	142.68	15.57
28 46 13 31-0738	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	166.16	15.57
28 46 13 31-0739	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	68.72	15.57
28 46 13 31-0740	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	32.78	9.35
28 46 13 31-0741	EA	Seal For DB-11 (Siemens DB11-SEAL)	16.24	
28 46 13 31-0742	EA	Gasket For DB-11 (Siemens DB-SEAL)	17.79	
28 46 13 31-0743	EA	Detector Guard Housing (Siemens DGH-11)	209.59	15.57
28 46 13 31-0744	EA	Small Detector Base (Siemens DB-11E)	53.46	15.57
28 46 13 31-0745	EA	Audible Base For Series 3 (Siemens ADBI-60A)	187.29	15.57
28 46 13 31-0746	EA	Base Plug (Siemens DB-11-DP)	13.36	
28 46 13 31-0747		**Air Duct Smoke Detectors** *(28 46 13 31-0697)*		
28 46 13 31-0748	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	157.40	31.16
28 46 13 31-0749	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	821.82	31.16
28 46 13 31-0750		**Notification Devices** *(28 46 13 31-0557)*		
28 46 13 31-0751		**Synchronization Control Devices** *(28 46 13 31-0750)*		
28 46 13 31-0752	EA	Dual Synchronization Control Module (Siemens DSC)	233.70	31.16
28 46 13 31-0753		**Stand Alone Strobes** *(28 46 13 31-0750)*		
28 46 13 31-0754	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	193.25	46.73
28 46 13 31-0755	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	210.86	46.73
28 46 13 31-0756	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	193.25	46.73
28 46 13 31-0757	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	210.86	46.73
28 46 13 31-0758	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	210.86	46.73
28 46 13 31-0759	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	193.25	46.73
28 46 13 31-0760	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	223.77	46.73
28 46 13 31-0761	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	214.38	46.73
28 46 13 31-0762	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	214.38	46.73
28 46 13 31-0763	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	229.64	46.73
28 46 13 31-0764	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	229.64	46.73
28 46 13 31-0765		**Horns And Strobes** *(28 46 13 31-0750)*		
28 46 13 31-0766	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	262.51	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0767	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	277.77	46.73
28 46 13 31-0768	EA	Wall Mounted Horn (Siemens SE-R)	150.99	46.73
28 46 13 31-0769	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	262.51	46.73
28 46 13 31-0770	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	277.77	46.73
28 46 13 31-0771	EA	Ceiling Mounted Horn (Siemens SEC-R)	158.03	46.73
28 46 13 31-0772	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	262.51	46.73
28 46 13 31-0773	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	277.77	46.73
28 46 13 31-0774	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	150.99	46.73
28 46 13 31-0775	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	262.51	46.73
28 46 13 31-0776	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	277.77	46.73
28 46 13 31-0777	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	158.03	46.73
28 46 13 31-0778	EA	Mini Horn (Siemens MH-R)	125.17	46.73
28 46 13 31-0779	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	160.38	46.73
28 46 13 31-0780	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	247.25	46.73
28 46 13 31-0781	EA	Industrial Tri-Tone Horn (Siemens ASR)	709.77	46.73
28 46 13 31-0782	EA	Wall Mounted Horn (Siemens HS-R)	160.38	46.73
28 46 13 31-0783	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	248.42	46.73
28 46 13 31-0784	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	267.21	46.73
28 46 13 31-0785	EA	6" Motor Bell (Siemens MBDC-6)	183.86	46.73
28 46 13 31-0786	EA	10" Motor Bell (Siemens MBDC-10)	201.47	46.73

28 46 13 31-0787 Mounting Accessories *(28 46 13 31-0750)*

28 46 13 31-0788	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	45.25	15.57
28 46 13 31-0789	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	45.25	15.57
28 46 13 31-0790	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	46.42	15.57
28 46 13 31-0791	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	74.59	15.57
28 46 13 31-0792	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	59.33	15.57
28 46 13 31-0793	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	62.86	15.57
28 46 13 31-0794	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R)	67.55	15.57
28 46 13 31-0795	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	53.46	15.57
28 46 13 31-0796	EA	Semi-Flush Plate (Siemens SFPS-R)	44.07	15.57
28 46 13 31-0797	EA	Square Surface Backbox (Siemens SHBBS-R)	53.46	15.57
28 46 13 31-0798	EA	Horn Adapter Plate (Siemens SHMPS-R)	51.12	15.57
28 46 13 31-0799	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	45.25	15.57
28 46 13 31-0800	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	59.33	15.57
28 46 13 31-0801	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	62.86	15.57
28 46 13 31-0802	EA	Weatherproof Speaker Backbox (Siemens WBBS-R)	60.51	15.57
28 46 13 31-0803	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	67.55	15.57
28 46 13 31-0804	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	67.55	15.57
28 46 13 31-0805	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	67.55	15.57
28 46 13 31-0806	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	62.86	15.57
28 46 13 31-0807	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R)	62.86	15.57
28 46 13 31-0808	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	45.25	15.57
28 46 13 31-0809	EA	Z Series Backbox (Siemens ZBB-R)	51.12	15.57

28 46 13 31-0810 Door Holders *(28 46 13 31-0750)*

28 46 13 31-0811	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	396.34	46.73
28 46 13 31-0812	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	396.34	46.73

28 46 13 31-0813 Voice Equipment *(28 46 13 31-0557)*

28 46 13 31-0814 Voicecom *(28 46 13 31-0813)*

28 46 13 31-0815	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	6,076.88	623.14
28 46 13 31-0816	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	9,657.27	623.14

28 46 13 31-0817 Johnson Controls Fire Alarm *(28 46 13 31)*

28 46 13 31-0818	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	230.31	46.73
28 46 13 31-0819	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	227.76	46.73
28 46 13 31-0820	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	286.05	46.73
28 46 13 31-0821	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	285.24	46.73
28 46 13 31-0822	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	793.73	62.31
28 46 13 31-0823	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	217.31	46.73
28 46 13 31-0824	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	193.19	46.73
28 46 13 31-0825	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	188.08	46.73
28 46 13 31-0826	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	581.16	46.73
28 46 13 31-0827	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,845.79	93.47
28 46 13 31-0828	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,756.88	93.47
28 46 13 31-0829	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,804.85	93.47
28 46 13 31-0830	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,685.08	93.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0831	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,301.44	93.47
28 46 13 31-0832	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,301.44	93.47
28 46 13 31-0833	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,311.39	31.16
28 46 13 31-0834	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,364.18	31.16
28 46 13 31-0835	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,000.92	31.16
28 46 13 31-0836	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,000.92	31.16
28 46 13 31-0837	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	704.81	31.16
28 46 13 31-0838	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,278.20	62.31
28 46 13 31-0839	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,000.92	31.16
28 46 13 31-0840	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,040.60	31.16
28 46 13 31-0841	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	896.80	31.16
28 46 13 31-0842	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	896.80	31.16
28 46 13 31-0843	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	147.61	28.04
28 46 13 31-0844	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,370.13	62.31
28 46 13 31-0845	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	2,996.06	62.31
28 46 13 31-0846	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,370.13	62.31
28 46 13 31-0847	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	2,996.06	62.31
28 46 13 31-0848	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	52.69	15.57
28 46 13 31-0849	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	145.32	15.57
28 46 13 31-0850	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	136.94	15.57
28 46 13 31-0851	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	56.27	15.57
28 46 13 31-0852	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	50.33	15.57
28 46 13 31-0853	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	996.91	62.31
28 46 13 31-0854	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,340.51	93.47
28 46 13 31-0855	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,475.12	93.47
28 46 13 31-0856	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	273.44	15.57
28 46 13 31-0857	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	183.72	15.57
28 46 13 31-0858	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,342.49	93.47
28 46 13 31-0859	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,161.04	93.47
28 46 13 31-0860	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,161.04	93.47
28 46 13 31-0861	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,538.49	93.47
28 46 13 31-0862	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,340.51	93.47
28 46 13 31-0863	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,340.51	93.47
28 46 13 31-0864	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,340.51	93.47
28 46 13 31-0865	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,801.99	93.47
28 46 13 31-0866	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,801.99	93.47
28 46 13 31-0867	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,801.99	93.47
28 46 13 31-0868	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	288.56	31.16
28 46 13 31-0869	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	445.48	31.16
28 46 13 31-0870	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	39.22	12.47
28 46 13 31-0871	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	42.91	12.47
28 46 13 31-0872	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	106.42	18.69
28 46 13 31-0873	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	51.18	12.47
28 46 13 31-0874	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	63.18	15.57
28 46 13 31-0875	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	448.14	31.16
28 46 13 31-0876	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	743.80	62.31
28 46 13 31-0877	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	612.56	93.47
28 46 13 31-0878	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	854.24	93.47
28 46 13 31-0879	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	935.00	93.47
28 46 13 31-0880	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	499.23	12.47
28 46 13 31-0881	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	753.52	12.47
28 46 13 31-0882	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	828.31	12.47
28 46 13 31-0883	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	987.01	124.63
28 46 13 31-0884	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,300.32	124.63
28 46 13 31-0885	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,236.82	93.47
28 46 13 31-0886	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	228.58	15.57
28 46 13 31-0887	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	649.16	31.16
28 46 13 31-0888	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	339.17	46.73
28 46 13 31-0889	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	275.53	46.73
28 46 13 31-0890	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	290.01	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0891	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,388.89	62.31
28 46 13 31-0892	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	2,920.03	62.31
28 46 13 31-0893	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	880.54	31.16
28 46 13 31-0894	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	5,954.36	498.51
28 46 13 31-0895	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	2,945.81	62.31
28 46 13 31-0896	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	38,883.95	747.77
28 46 13 31-0897	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	42,473.23	747.77
28 46 13 31-0898	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	47,857.17	747.77
28 46 13 31-0899	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	42,473.23	747.77
28 46 13 31-0900	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	285.05	18.69
28 46 13 31-0901	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	320.95	18.69
28 46 13 31-0902	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	349.67	18.69
28 46 13 31-0903	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	654.76	18.69
28 46 13 31-0904	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	211.55	12.47
28 46 13 31-0905	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D)	329.46	28.04
28 46 13 31-0906	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR)	350.05	28.04
28 46 13 31-0907	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D)	644.71	28.04
28 46 13 31-0908	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	644.09	12.47
28 46 13 31-0909	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	868.42	12.47
28 46 13 31-0910	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,074.80	12.47
28 46 13 31-0911	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	300.40	31.16
28 46 13 31-0912	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	140.34	12.47
28 46 13 31-0913	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	5,940.78	498.51
28 46 13 31-0914	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis.	4,287.89	373.88
28 46 13 31-0915	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	7,722.51	498.51
28 46 13 31-0916	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,423.99	373.88
28 46 13 31-0917	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,342.57	373.88
28 46 13 31-0918	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	2,934.94	46.73
28 46 13 31-0919	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	2,964.90	46.73
28 46 13 31-0920	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	2,964.90	46.73
28 46 13 31-0921	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,508.46	62.31
28 46 13 31-0922	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	2,972.73	62.31
28 46 13 31-0923	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,542.42	373.88
28 46 13 31-0924	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,110.62	62.31
28 46 13 31-0925	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,735.47	62.31
28 46 13 31-0926	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,795.76	62.31
28 46 13 31-0927	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	865.65	15.57
28 46 13 31-0928	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	277.94	12.47
28 46 13 31-0929	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	342.56	12.47
28 46 13 31-0930	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	696.99	15.57
28 46 13 31-0931	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,280.24	15.57
28 46 13 31-0932	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,320.71	15.57
28 46 13 31-0933	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	180.81	15.57
28 46 13 31-0934	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	288.85	15.57
28 46 13 31-0935	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	141.67	15.57
28 46 13 31-0936	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	199.30	15.57
28 46 13 31-0937	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	156.80	15.57
28 46 13 31-0938	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	256.48	15.57
28 46 13 31-0939	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	292.67	15.57
28 46 13 31-0940	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	164.51	15.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0941	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,448.04	46.73
28 46 13 31-0942	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,178.18	31.16
28 46 13 31-0943	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,013.08	31.16
28 46 13 31-0944	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	75.28	6.23
28 46 13 31-0945	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F)	1,760.78	31.16
28 46 13 31-0946	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	1,676.55	31.16
28 46 13 31-0947	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,281.65	62.31
28 46 13 31-0948	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,188.29	31.16
28 46 13 31-0949	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	324.61	12.47
28 46 13 31-0950	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	749.67	31.16
28 46 13 31-0951	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	749.67	31.16
28 46 13 31-0952	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	200.81	12.47
28 46 13 31-0953	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	53.05	6.23
28 46 13 31-0954	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	53.05	6.23
28 46 13 31-0955	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	201.17	46.73
28 46 13 31-0956	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	226.28	46.73
28 46 13 31-0957	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	267.46	52.96
28 46 13 31-0958	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	263.86	52.96
28 46 13 31-0959	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,790.87	124.63
28 46 13 31-0960	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,396.03	124.63
28 46 13 31-0961	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	201.17	46.73
28 46 13 31-0962	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	226.28	46.73
28 46 13 31-0963	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	201.17	46.73
28 46 13 31-0964	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	36.32	12.47
28 46 13 31-0965	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	41.27	6.23
28 46 13 31-0966	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	47.04	6.23
28 46 13 31-0967	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	41.32	6.23
28 46 13 31-0968	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	183.85	46.73
28 46 13 31-0969	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	226.28	46.73
28 46 13 31-0970	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	267.46	52.96
28 46 13 31-0971	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	226.28	46.73
28 46 13 31-0972	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	263.86	52.96
28 46 13 31-0973	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	201.17	46.73
28 46 13 31-0974	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	201.17	46.73
28 46 13 31-0975	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	226.28	46.73
28 46 13 31-0976	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	226.28	46.73
28 46 13 31-0977	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	201.17	46.73
28 46 13 31-0978	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	280.60	15.57
28 46 13 31-0979	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,238.63	62.31
28 46 13 31-0980	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	298.54	62.31
28 46 13 31-0981	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	127.44	31.16
28 46 13 31-0982	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	127.44	31.16
28 46 13 31-0983	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	236.22	31.16
28 46 13 31-0984	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	257.03	31.16
28 46 13 31-0985	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	257.03	31.16
28 46 13 31-0986	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	227.95	31.16
28 46 13 31-0987	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	311.26	31.16
28 46 13 31-0988	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	236.22	31.16
28 46 13 31-0989	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	127.44	31.16
28 46 13 31-0990	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	127.44	31.16
28 46 13 31-0991	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	257.03	31.16
28 46 13 31-0992	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	236.22	31.16
28 46 13 31-0993	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	236.22	31.16

28 46 13 31-0994 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-0995 Notifier Fire Alarm *(28 46 13 31-0994)*

28 46 13 31-0996 Fire Alarm Control Panel And Accessories *(28 46 13 31-0995)*

28 46 13 31-0997	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,122.34	623.14
28 46 13 31-0998	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	5,070.12	623.14
28 46 13 31-0999	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,787.70	623.14
28 46 13 31-1000	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,109.96	623.14
28 46 13 31-1001	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,159.91	623.14
28 46 13 31-1002	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	6,001.54	623.14
28 46 13 31-1003	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,850.32	623.14
28 46 13 31-1004	EA	Two-Tone Sequential Module (Notifier 2TTM)	394.52	31.16
28 46 13 31-1005	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	99.39	6.23
28 46 13 31-1006	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	190.43	12.47
28 46 13 31-1007	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	289.22	18.69
28 46 13 31-1008	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	461.99	
28 46 13 31-1009	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	65.32	
28 46 13 31-1010	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,731.25	623.14
28 46 13 31-1011	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,789.60	623.14
28 46 13 31-1012	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	247.04	6.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1013	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	75.58	6.23
28 46 13 31-1014	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	106.78	12.47
28 46 13 31-1015	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	104.98	15.57
28 46 13 31-1016	EA	IP Communicator (Notifier IPDACT-2)	800.54	31.16
28 46 13 31-1017	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	929.14	31.16
28 46 13 31-1018	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	214.72	31.16
28 46 13 31-1019	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	214.12	31.16
28 46 13 31-1020	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	54.33	12.47
28 46 13 31-1021	EA	Loop Control Module (Notifier LCM-320)	2,200.17	62.31
28 46 13 31-1022	EA	Loop Expander Module (Notifier LEM-320)	1,836.86	62.31
28 46 13 31-1023	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,670.62	62.31
28 46 13 31-1024	EA	7' DACT Phone Cord (Notifier MCBL-7)	26.40	
28 46 13 31-1025	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	229.41	15.57
28 46 13 31-1026	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	260.56	31.16
28 46 13 31-1027	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	260.56	31.16
28 46 13 31-1028	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	839.06	31.16
28 46 13 31-1029	EA	Universal Zone Coder (Notifier UZC-256)	1,168.20	31.16
28 46 13 31-1030	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	364.64	
28 46 13 31-1031	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	878.02	
28 46 13 31-1032	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	563.64	
28 46 13 31-1033	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	5,182.84	18.69
28 46 13 31-1034	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	57.47	15.57
28 46 13 31-1035	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,489.31	623.14
28 46 13 31-1036	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,646.73	623.14
28 46 13 31-1037		ONYX Cabinets *(28 46 13 31-0995)*		
28 46 13 31-1038	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	585.86	15.57
28 46 13 31-1039	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	785.37	15.57
28 46 13 31-1040	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	969.76	15.57
28 46 13 31-1041	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	136.22	18.69
28 46 13 31-1042	EA	Chassis Bridge (Notifier CB-1)	123.74	15.57
28 46 13 31-1043	EA	Four Position Chassis (Notifier CHS-4)	207.98	15.57
28 46 13 31-1044	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	224.61	31.16
28 46 13 31-1045	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	120.14	18.69
28 46 13 31-1046	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	152.59	18.69
28 46 13 31-1047	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	414.42	31.16
28 46 13 31-1048	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	264.50	31.16
28 46 13 31-1049	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	525.36	46.73
28 46 13 31-1050	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	325.92	46.73
28 46 13 31-1051	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	783.47	62.31
28 46 13 31-1052	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	479.49	62.31
28 46 13 31-1053	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	950.78	77.89
28 46 13 31-1054	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	557.41	77.89
28 46 13 31-1055	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	328.84	15.57
28 46 13 31-1056	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	226.43	15.57
28 46 13 31-1057	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	226.43	15.57
28 46 13 31-1058	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	334.79	15.57
28 46 13 31-1059	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	255.01	15.57
28 46 13 31-1060	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	424.09	15.57
28 46 13 31-1061	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	290.14	15.57
28 46 13 31-1062	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	505.06	15.57
28 46 13 31-1063	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	416.95	15.57
28 46 13 31-1064	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	749.15	15.57
28 46 13 31-1065	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	466.96	15.57
28 46 13 31-1066	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	896.80	15.57
28 46 13 31-1067	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4)	432.62	31.16
28 46 13 31-1068	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	637.42	31.16
28 46 13 31-1069	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	746.96	31.16
28 46 13 31-1070	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	452.86	31.16
28 46 13 31-1071	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	682.66	31.16
28 46 13 31-1072	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	796.97	31.16
28 46 13 31-1073	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	436.19	31.16
28 46 13 31-1074	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R)	637.42	31.16
28 46 13 31-1075	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R)	756.49	31.16
28 46 13 31-1076	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	474.29	31.16
28 46 13 31-1077	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	682.66	31.16
28 46 13 31-1078	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	796.97	31.16
28 46 13 31-1079	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	3,530.48	155.78
28 46 13 31-1080	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	406.42	31.16
28 46 13 31-1081	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4)	420.76	93.47
28 46 13 31-1082	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4)	594.50	124.63
28 46 13 31-1083	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4)	780.18	124.63
28 46 13 31-1084	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4)	949.77	155.78
28 46 13 31-1085	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	256.39	31.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1086	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R)	256.39	31.16
28 46 13 31-1087	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R)	311.17	31.16
28 46 13 31-1088	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	431.43	31.16
28 46 13 31-1089	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	630.27	31.16
28 46 13 31-1090	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R)	744.58	31.16
28 46 13 31-1091	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	246.36	18.69
28 46 13 31-1092	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	246.36	18.69
28 46 13 31-1093	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	331.49	18.69
28 46 13 31-1094	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	262.43	18.69
28 46 13 31-1095	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	264.22	18.69
28 46 13 31-1096	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	261.24	18.69
28 46 13 31-1097	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	267.79	18.69
28 46 13 31-1098	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B)	96.21	18.69
28 46 13 31-1099	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2)	66.29	6.23
28 46 13 31-1100		**NFS2-3030/640 Cabinet Mechanicals** *(28 46 13 31-0995)*		
28 46 13 31-1101	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	137.80	18.69
28 46 13 31-1102	EA	Blank Module Dress Plate (Notifier BM-1B)	114.41	18.69
28 46 13 31-1103	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	129.54	18.69
28 46 13 31-1104	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	322.88	15.57
28 46 13 31-1105	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	291.53	46.73
28 46 13 31-1106	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	143.30	18.69
28 46 13 31-1107		**NFS-3030/640 Cabinet Mechanicals** *(28 46 13 31-0995)*		
28 46 13 31-1108	EA	Annunciator Dress Plate (Notifier ADP-4B)	130.92	18.69
28 46 13 31-1109	EA	Blank Module Dress Plate (Notifier BMP-1)	82.78	18.69
28 46 13 31-1110	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	185.41	31.16
28 46 13 31-1111	EA	Module Dress Plate (Notifier MP-1B)	132.30	18.69
28 46 13 31-1112		**Battery Cabinets** *(28 46 13 31-0995)*		
28 46 13 31-1113	EA	Six Position Chassis (Notifier CHS-6)	120.49	31.16
28 46 13 31-1114	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	591.32	93.47
28 46 13 31-1115		**Digital Voice** *(28 46 13 31-0995)*		
28 46 13 31-1116	EA	Chassis Used With BB-XP (Notifier 18439)	61.52	15.57
28 46 13 31-1117	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	2,385.33	46.73
28 46 13 31-1118	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	2,318.41	46.73
28 46 13 31-1119	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,167.54	46.73
28 46 13 31-1120	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	598.26	46.73
28 46 13 31-1121	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	810.97	62.31
28 46 13 31-1122	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,009.93	77.89
28 46 13 31-1123	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	1,013.50	31.16
28 46 13 31-1124	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	1,013.50	31.16
28 46 13 31-1125	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,169.86	31.16
28 46 13 31-1126	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	128.50	15.57
28 46 13 31-1127	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	216.91	15.57
28 46 13 31-1128	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	218.10	15.57
28 46 13 31-1129	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	210.96	15.57
28 46 13 31-1130	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	213.34	15.57
28 46 13 31-1131	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	434.81	15.57
28 46 13 31-1132	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	332.41	15.57
28 46 13 31-1133	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	136.30	
28 46 13 31-1134	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	605.38	31.16
28 46 13 31-1135	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	610.87	31.16
28 46 13 31-1136	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	126.71	15.57
28 46 13 31-1137	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	161.34	31.16
28 46 13 31-1138	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	497.85	46.73
28 46 13 31-1139	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	254.61	31.16
28 46 13 31-1140	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	254.61	31.16
28 46 13 31-1141	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	328.84	15.57
28 46 13 31-1142	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	325.26	15.57
28 46 13 31-1143	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,040.19	31.16
28 46 13 31-1144	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,921.77	31.16
28 46 13 31-1145	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,921.77	31.16
28 46 13 31-1146	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,106.21	31.16
28 46 13 31-1147	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,090.81	31.16
28 46 13 31-1148	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,187.36	31.16
28 46 13 31-1149	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,513.41	31.16
28 46 13 31-1150	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,513.41	31.16
28 46 13 31-1151	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,939.47	31.16
28 46 13 31-1152	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,994.32	31.16
28 46 13 31-1153	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,079.90	31.16
28 46 13 31-1154	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,317.40	31.16
28 46 13 31-1155	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,352.51	31.16
28 46 13 31-1156	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,384.33	31.16
28 46 13 31-1157	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,430.41	31.16

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28 46 13 31-1158	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,440.28	31.16
28 46 13 31-1159	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,483.07	31.16
28 46 13 31-1160	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,525.85	31.16
28 46 13 31-1161	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,602.65	31.16
28 46 13 31-1162	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	146.96	15.57
28 46 13 31-1163	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	124.04	18.69
28 46 13 31-1164	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	143.30	18.69
28 46 13 31-1165	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	246.46	18.69
28 46 13 31-1166	EA	WPS Power Amplifier (Notifier DPA3204P)	718.38	31.16
28 46 13 31-1167	EA	WPS Power Amplifier (Notifier DPA4001P)	605.38	31.16
28 46 13 31-1168	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,368.97	31.16
28 46 13 31-1169	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,023.38	31.16
28 46 13 31-1170	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,035.45	31.16
28 46 13 31-1171	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	1,726.63	31.16
28 46 13 31-1172	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	671.21	31.16
28 46 13 31-1173	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	381.42	31.16
28 46 13 31-1174	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	381.42	31.16
28 46 13 31-1175	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	381.42	31.16
28 46 13 31-1176	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	161.44	31.16
28 46 13 31-1177	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	358.03	31.16
28 46 13 31-1178	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,056.70	31.16
28 46 13 31-1179	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	599.16	62.31
28 46 13 31-1180	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	304.19	
28 46 13 31-1181	EA	Portable Fireman's Telephone Handset (Notifier FHS)	182.14	
28 46 13 31-1182	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	211.32	
28 46 13 31-1183	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	526.68	31.16
28 46 13 31-1184	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	526.68	31.16
28 46 13 31-1185	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	85.61	9.35
28 46 13 31-1186	EA	Paging Microphone Only (Notifier MIC-1)	242.49	31.16
28 46 13 31-1187	EA	Firefighter's Telephone Handset (Notifier TELH-1)	208.34	
28 46 13 31-1188	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	597.36	31.16
28 46 13 31-1189	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	597.36	31.16
28 46 13 31-1190		**Amplifiers** *(28 46 13 31-0995)*		
28 46 13 31-1191	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,147.53	31.16
28 46 13 31-1192	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	2,502.34	31.16
28 46 13 31-1193	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	2,430.82	31.16
28 46 13 31-1194	EA	Audio Coupling Transformer (Notifier ACT-1)	176.47	31.16
28 46 13 31-1195	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	206.73	31.16
28 46 13 31-1196	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	206.73	31.16
28 46 13 31-1197	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	206.73	31.16
28 46 13 31-1198	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	1,857.18	31.16
28 46 13 31-1199	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	1,920.81	31.16
28 46 13 31-1200	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	1,995.42	31.16
28 46 13 31-1201	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	3,638.89	31.16
28 46 13 31-1202	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	726.06	31.16
28 46 13 31-1203	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	729.35	31.16
28 46 13 31-1204		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 13 31-0995)*		
28 46 13 31-1205	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,142.69	623.14
28 46 13 31-1206	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,612.86	623.14
28 46 13 31-1207	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,711.63	623.14
28 46 13 31-1208	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,148.49	623.14
28 46 13 31-1209	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	6,807.75	623.14
28 46 13 31-1210		**System Printer** *(28 46 13 31-0995)*		
28 46 13 31-1211	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	2,485.84	31.16
28 46 13 31-1212		**Batteries** *(28 46 13 31-0995)*		
28 46 13 31-1213	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	682.66	31.16
28 46 13 31-1214	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	532.71	31.16
28 46 13 31-1215	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	700.51	31.16
28 46 13 31-1216	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	408.92	31.16
28 46 13 31-1217	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	571.22	31.16
28 46 13 31-1218	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	569.85	31.16
28 46 13 31-1219	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	906.56	31.16
28 46 13 31-1220		**Battery Backboxes And Miscellaneous Mechanicals** *(28 46 13 31-0995)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1221	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17)	186.19	24.92
28 46 13 31-1222	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	314.19	24.92
28 46 13 31-1223	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26)	466.58	124.63
28 46 13 31-1224	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	234.77	62.31
28 46 13 31-1225	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	134.16	15.57
28 46 13 31-1226	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	320.40	24.92
28 46 13 31-1227	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	249.89	24.92
28 46 13 31-1228	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	277.87	24.92
28 46 13 31-1229	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	296.32	24.92
28 46 13 31-1230	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	441.59	24.92
28 46 13 31-1231	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	260.60	24.92
28 46 13 31-1232	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	370.15	24.92
28 46 13 31-1233	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	320.14	24.92
28 46 13 31-1234	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	327.28	24.92
28 46 13 31-1235	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	285.61	24.92
28 46 13 31-1236	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	267.75	24.92

28 46 13 31-1237 Power Supplies And Chargers *(28 46 13 31-0995)*

28 46 13 31-1238	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,605.29	46.73
28 46 13 31-1239	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,684.28	46.73
28 46 13 31-1240	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,752.73	31.16
28 46 13 31-1241	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,030.92	31.16
28 46 13 31-1242	EA	10 Amperes Battery Charger (Notifier BC10A)	1,229.40	46.73
28 46 13 31-1243	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	673.70	37.39
28 46 13 31-1244	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	682.04	37.39
28 46 13 31-1245	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	946.98	37.39
28 46 13 31-1246	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	946.98	37.39
28 46 13 31-1247	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	233.77	31.16
28 46 13 31-1248	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,351.10	31.16
28 46 13 31-1249	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	104.98	15.57
28 46 13 31-1250	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	166.30	15.57
28 46 13 31-1251	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	895.83	31.16
28 46 13 31-1252	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	946.14	93.47
28 46 13 31-1253	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	905.55	93.47
28 46 13 31-1254	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,047.07	93.47
28 46 13 31-1255	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,038.30	93.47
28 46 13 31-1256	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	1,010.65	46.73
28 46 13 31-1257	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	1,010.65	46.73
28 46 13 31-1258	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,253.12	46.73
28 46 13 31-1259	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,197.16	46.73
28 46 13 31-1260	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,271.77	93.47
28 46 13 31-1261	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,271.77	93.47
28 46 13 31-1262	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	885.80	93.47
28 46 13 31-1263	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	885.80	93.47
28 46 13 31-1264	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	956.01	93.47
28 46 13 31-1265	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	956.01	93.47
28 46 13 31-1266	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	768.41	93.47
28 46 13 31-1267	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	905.55	93.47
28 46 13 31-1268	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	194.63	15.57
28 46 13 31-1269	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,499.16	31.16
28 46 13 31-1270	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	231.39	31.16
28 46 13 31-1271	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,841.22	31.16
28 46 13 31-1272	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	917.62	93.47
28 46 13 31-1273	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	956.01	93.47
28 46 13 31-1274	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	869.78	31.16
28 46 13 31-1275	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	884.70	93.47
28 46 13 31-1276	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	863.86	93.47

28 46 13 31-1277 Network Control Annunciators *(28 46 13 31-0995)*

28 46 13 31-1278	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	2,456.42	93.47
28 46 13 31-1279	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	93.78	18.69
28 46 13 31-1280	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	67.65	18.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1281		**FIRSTVISION Firefighter's Display** *(28 46 13 31-0995)*		
28 46 13 31-1282	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	18,997.83	623.14
28 46 13 31-1283		**FlashScan Addressable Modules** *(28 46 13 31-0995)*		
28 46 13 31-1284	EA	Intelligent Addressable Control Module (Notifier FCM-1)	212.23	31.16
28 46 13 31-1285	EA	Addressable Dual Monitor Module (Notifier FDM-1)	236.99	31.16
28 46 13 31-1286	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	176.47	31.16
28 46 13 31-1287	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	157.22	31.16
28 46 13 31-1288	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	323.64	31.16
28 46 13 31-1289	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	194.78	31.16
28 46 13 31-1290	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	267.25	31.16
28 46 13 31-1291	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	173.72	31.16
28 46 13 31-1292		**Addressable Device Bases And Accessories** *(28 46 13 31-0995)*		
28 46 13 31-1293	EA	Intelligent Detector Base With Flange (Notifier B710LP)	63.28	15.57
28 46 13 31-1294	EA	Weatherproof Device Housing (Notifier DH400OE-1)	545.09	31.16
28 46 13 31-1295	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	61.52	15.57
28 46 13 31-1296	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	339.55	15.57
28 46 13 31-1297	EA	Swift AV Base Wall (Notifier WAV-RL)	339.55	15.57
28 46 13 31-1298		**XP6/XP10 Transponder** *(28 46 13 31-0995)*		
28 46 13 31-1299	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	156.53	31.16
28 46 13 31-1300	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	783.04	31.16
28 46 13 31-1301	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	948.09	31.16
28 46 13 31-1302	EA	Six Relay Control Module (Notifier XP6-R)	752.78	31.16
28 46 13 31-1303	EA	Ten Input Monitor Module (Notifier XP10-M)	906.83	31.16
28 46 13 31-1304		**LCD Display Annunciators** *(28 46 13 31-0995)*		
28 46 13 31-1305	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,005.33	93.47
28 46 13 31-1306	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,411.08	93.47
28 46 13 31-1307	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,460.60	93.47
28 46 13 31-1308	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	972.00	31.16
28 46 13 31-1309	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	513.59	31.16
28 46 13 31-1310	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,260.15	31.16
28 46 13 31-1311	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	634.56	93.47
28 46 13 31-1312		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-0995)*		
28 46 13 31-1313	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	555.26	31.16
28 46 13 31-1314	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,037.50	31.16
28 46 13 31-1315	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	794.04	31.16
28 46 13 31-1316	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,037.50	31.16
28 46 13 31-1317	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	794.04	31.16
28 46 13 31-1318	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	794.04	31.16
28 46 13 31-1319	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	711.52	31.16
28 46 13 31-1320	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	794.04	31.16
28 46 13 31-1321	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	711.52	31.16
28 46 13 31-1322		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-0995)*		
28 46 13 31-1323	EA	Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	325.44	62.31
28 46 13 31-1324	EA	Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	354.33	62.31
28 46 13 31-1325	EA	Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	407.49	77.89
28 46 13 31-1326	EA	Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	444.62	77.89
28 46 13 31-1327	EA	Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	716.01	109.04
28 46 13 31-1328	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	127.48	18.69
28 46 13 31-1329	EA	Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	207.84	62.31
28 46 13 31-1330	EA	Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	195.91	15.57
28 46 13 31-1331	EA	Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	260.80	62.31
28 46 13 31-1332	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	463.88	77.89
28 46 13 31-1333	EA	Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	369.72	15.57
28 46 13 31-1334	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	753.15	109.04
28 46 13 31-1335	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	625.34	18.69
28 46 13 31-1336	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	235.76	24.92
28 46 13 31-1337	EA	Annunciator Key Switch (Notifier AKS-1B)	120.20	9.35
28 46 13 31-1338	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	120.77	31.16
28 46 13 31-1339	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	711.52	31.16
28 46 13 31-1340	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	211.91	6.23
28 46 13 31-1341	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	265.49	6.23
28 46 13 31-1342	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	586.35	31.16
28 46 13 31-1343	EA	Lamp Driver Module (Notifier LDM-R32)	1,032.73	31.16
28 46 13 31-1344	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	957.72	31.16
28 46 13 31-1345	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	272.64	6.23
28 46 13 31-1346	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	243.98	18.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1347	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	141.68	18.69
28 46 13 31-1348	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	141.68	18.69
28 46 13 31-1349	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	233.26	18.69
28 46 13 31-1350	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	233.26	18.69
28 46 13 31-1351	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	574.16	31.16
28 46 13 31-1352		**Network Gateways** *(28 46 13 31-0995)*		
28 46 13 31-1353	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	3,463.35	31.16
28 46 13 31-1354	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,576.89	31.16
28 46 13 31-1355	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,903.82	31.16
28 46 13 31-1356	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,200.04	31.16
28 46 13 31-1357	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	2,599.93	31.16
28 46 13 31-1358	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,529.71	31.16
28 46 13 31-1359	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,848.97	31.16
28 46 13 31-1360	EA	Modbus Gateway (Notifier MODBUS-GW)	2,838.00	31.16
28 46 13 31-1361	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,285.82	20.56
28 46 13 31-1362	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,887.60	20.56
28 46 13 31-1363	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	15,496.66	20.56
28 46 13 31-1364	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	758.50	46.73
28 46 13 31-1365	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,400.87	46.73
28 46 13 31-1366	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,050.78	46.73
28 46 13 31-1367	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,298.98	
28 46 13 31-1368	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,005.75	31.16
28 46 13 31-1369	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,005.75	31.16
28 46 13 31-1370	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,935.11	31.16
28 46 13 31-1371	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,582.40	31.16
28 46 13 31-1372	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,935.11	31.16
28 46 13 31-1373	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,005.75	31.16
28 46 13 31-1374	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,587.01	
28 46 13 31-1375	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	29,124.22	747.77
28 46 13 31-1376	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	6,295.02	
28 46 13 31-1377	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	6,295.02	
28 46 13 31-1378	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,203.30	31.16
28 46 13 31-1379	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	980.59	31.16
28 46 13 31-1380	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,166.00	31.16
28 46 13 31-1381	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,300.95	31.16
28 46 13 31-1382	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	2,706.35	31.16
28 46 13 31-1383	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,722.44	31.16
28 46 13 31-1384	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	3,022.88	
28 46 13 31-1385	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,668.68	20.56
28 46 13 31-1386	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	494.64	31.16
28 46 13 31-1387		**NOTI-FIRE-NET Network Components** *(28 46 13 31-0995)*		
28 46 13 31-1388	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,005.75	31.16
28 46 13 31-1389	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,337.34	31.16
28 46 13 31-1390	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,005.75	31.16
28 46 13 31-1391	EA	Wired Network Communications Module (Notifier NCM-W)	1,274.07	31.16
28 46 13 31-1392	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	135.97	15.57
28 46 13 31-1393		**FireWarden Addressable Fire Panels** *(28 46 13 31-0995)*		
28 46 13 31-1394	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	2,559.83	623.14
28 46 13 31-1395	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,048.11	623.14
28 46 13 31-1396	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,117.95	311.57
28 46 13 31-1397	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,117.95	311.57
28 46 13 31-1398	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	3,104.78	311.57
28 46 13 31-1399	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	3,554.60	311.57
28 46 13 31-1400	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,571.59	311.57
28 46 13 31-1401		**FireWarden Accessories** *(28 46 13 31-0995)*		
28 46 13 31-1402	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	233.97	46.73
28 46 13 31-1403	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	222.07	46.73

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1404		**FireWarden Devices** *(28 46 13 31-0995)*		
28 46 13 31-1405	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	172.35	31.16
28 46 13 31-1406	EA	Intelligent Addressable Control Module (Notifier NC-100)	205.36	31.16
28 46 13 31-1407	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	197.10	31.16
28 46 13 31-1408	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	480.58	46.73
28 46 13 31-1409	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	582.00	46.73
28 46 13 31-1410	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	197.10	31.16
28 46 13 31-1411	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	200.75	46.73
28 46 13 31-1412	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	200.75	46.73
28 46 13 31-1413	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	200.75	46.73
28 46 13 31-1414	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	272.28	46.73
28 46 13 31-1415	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	169.59	31.16
28 46 13 31-1416	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	153.78	31.16
28 46 13 31-1417	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	230.80	31.16
28 46 13 31-1418	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	210.38	46.73
28 46 13 31-1419	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	259.00	31.16
28 46 13 31-1420	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	926.09	31.16
28 46 13 31-1421		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-0995)*		
28 46 13 31-1422	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,684.74	498.51
28 46 13 31-1423	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,862.17	498.51
28 46 13 31-1424	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,296.77	155.78
28 46 13 31-1425	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,471.21	155.78
28 46 13 31-1426	EA	Class A Converter Module (Notifier CAC-4)	458.81	31.16
28 46 13 31-1427	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	166.28	18.69
28 46 13 31-1428	EA	Remote Zone Annunciator (Notifier RZA-4X)	239.93	46.73
28 46 13 31-1429	EA	Red, Dress Panel (Notifier DP-51050)	201.11	18.69
28 46 13 31-1430	EA	Black, Dress Panel (Notifier DP-51050B)	203.49	18.69
28 46 13 31-1431		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-0995)*		
28 46 13 31-1432	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	2,614.84	623.14
28 46 13 31-1433	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,166.80	467.35
28 46 13 31-1434	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,750.16	311.57
28 46 13 31-1435	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	2,750.16	311.57
28 46 13 31-1436	EA	Class A Converter Module (Notifier N-CAC-5X)	475.48	31.16
28 46 13 31-1437	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	180.27	18.69
28 46 13 31-1438	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	3,889.19	467.35
28 46 13 31-1439	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,575.98	311.57
28 46 13 31-1440	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,552.94	311.57
28 46 13 31-1441		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-0995)*		
28 46 13 31-1442	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	5,084.67	623.14
28 46 13 31-1443	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	3,802.54	467.35
28 46 13 31-1444	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	2,999.97	623.14
28 46 13 31-1445	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	4,425.68	623.14
28 46 13 31-1446	EA	Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	775.63	93.47
28 46 13 31-1447	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	4,776.73	623.14
28 46 13 31-1448	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	3,563.35	467.35
28 46 13 31-1449	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,159.06	623.14
28 46 13 31-1450		**Smoke Detectors** *(28 46 13 31-0995)*		
28 46 13 31-1451	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	291.53	46.73
28 46 13 31-1452	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	492.35	46.73
28 46 13 31-1453	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,445.80	46.73
28 46 13 31-1454	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	208.97	46.73
28 46 13 31-1455	EA	Filters For Harsh Detector (Notifier RF-FTX)	25.37	
28 46 13 31-1456	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	176.13	31.16
28 46 13 31-1457	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	1,899.31	46.73
28 46 13 31-1458	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	217.60	46.73
28 46 13 31-1459	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	237.25	46.73
28 46 13 31-1460	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	227.42	46.73
28 46 13 31-1461	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	245.28	46.73
28 46 13 31-1462	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	228.61	46.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1463	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	246.47	46.73
28 46 13 31-1464	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	186.34	46.73
28 46 13 31-1465	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	186.34	46.73
28 46 13 31-1466	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	203.01	46.73
28 46 13 31-1467	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	203.01	46.73
28 46 13 31-1468	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	186.34	46.73
28 46 13 31-1469	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	203.01	46.73
28 46 13 31-1470	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	495.93	46.73
28 46 13 31-1471	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	531.65	46.73
28 46 13 31-1472	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	494.74	46.73
28 46 13 31-1473	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	455.44	46.73
28 46 13 31-1474	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	413.77	46.73
28 46 13 31-1475	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	413.77	46.73
28 46 13 31-1476	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	301.84	46.73
28 46 13 31-1477	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	2,920.72	46.73
28 46 13 31-1478	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,579.10	46.73

28 46 13 31-1479 Pull Stations *(28 46 13 31-0995)*

28 46 13 31-1480	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	37.24	6.23
28 46 13 31-1481	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2)	85.57	15.57
28 46 13 31-1482	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	80.69	15.57
28 46 13 31-1483	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	114.45	31.16
28 46 13 31-1484	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	125.79	31.16
28 46 13 31-1485	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	170.38	31.16
28 46 13 31-1486	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	114.45	31.16
28 46 13 31-1487	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	131.08	31.16
28 46 13 31-1488	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	131.08	31.16
28 46 13 31-1489	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	131.08	31.16
28 46 13 31-1490	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	124.28	31.16
28 46 13 31-1491	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	134.10	31.16
28 46 13 31-1492	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	970.02	37.39
28 46 13 31-1493	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	106.49	31.16
28 46 13 31-1494	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	111.61	31.16
28 46 13 31-1495	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	119.05	31.16
28 46 13 31-1496	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	274.22	37.39
28 46 13 31-1497	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	167.98	31.16
28 46 13 31-1498	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	140.90	31.16
28 46 13 31-1499	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	232.18	31.16
28 46 13 31-1500	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	62.35	6.23
28 46 13 31-1501	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	485.57	37.39

28 46 13 31-1502 Rate Compensation Heat Detectors *(28 46 13 31-0995)*

28 46 13 31-1503	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	214.51	46.73
28 46 13 31-1504	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	214.51	46.73

28 46 13 31-1505 FM Series Door Releases *(28 46 13 31-0995)*

28 46 13 31-1506	EA	1/2" Door Holder Spacer (Notifier FM900-50)	35.20	9.35
28 46 13 31-1507	EA	3/4" Door Holder Spacer (Notifier FM900-75)	35.20	9.35
28 46 13 31-1508	EA	1" Door Holder Spacer (Notifier FM900-100)	35.20	9.35
28 46 13 31-1509	EA	Door Holder Extension Kit (Notifier FM900)	37.26	9.35
28 46 13 31-1510	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	37.95	9.35
28 46 13 31-1511	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	259.90	46.73
28 46 13 31-1512	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	225.51	46.73
28 46 13 31-1513	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	225.51	46.73

28 46 13 31-1514 Multicriteria Fire Detector *(28 46 13 31-0995)*

28 46 13 31-1515	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	361.38	46.73
28 46 13 31-1516	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	360.19	46.73
28 46 13 31-1517	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	233.97	46.73
28 46 13 31-1518	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	242.31	46.73
28 46 13 31-1519	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	361.38	46.73

28 46 13 31-1520 Modules *(28 46 13 31-0995)*

28 46 13 31-1521	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	432.62	31.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1522	EA	Addressable Firephone Control Module (Notifier FTM-1)	267.11	31.16
28 46 13 31-1523	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	418.33	31.16
28 46 13 31-1524	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	483.82	31.16
28 46 13 31-1525	EA	Wireless Sync Module (Notifier W-SYNC)	460.56	31.16
28 46 13 31-1526		DH Series Door Releases *(28 46 13 31-0995)*		
28 46 13 31-1527	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	221.77	46.73
28 46 13 31-1528	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	236.35	46.73
28 46 13 31-1529	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	250.05	46.73
28 46 13 31-1530	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	246.47	46.73
28 46 13 31-1531	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	258.38	46.73
28 46 13 31-1532	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	268.50	46.73
28 46 13 31-1533	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	221.77	46.73
28 46 13 31-1534	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	234.57	46.73
28 46 13 31-1535	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	250.05	46.73
28 46 13 31-1536	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	282.79	46.73
28 46 13 31-1537	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	301.84	46.73
28 46 13 31-1538	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	323.87	46.73
28 46 13 31-1539	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	329.23	46.73
28 46 13 31-1540	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	351.85	46.73
28 46 13 31-1541	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	379.24	46.73
28 46 13 31-1542	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	25.51	6.23
28 46 13 31-1543	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	25.51	6.23
28 46 13 31-1544	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	27.95	6.23
28 46 13 31-1545	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	25.51	6.23
28 46 13 31-1546	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	25.51	6.23
28 46 13 31-1547	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	27.95	6.23
28 46 13 31-1548	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	26.76	6.23
28 46 13 31-1549	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	26.76	6.23
28 46 13 31-1550	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	27.95	6.23
28 46 13 31-1551	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	29.32	6.23
28 46 13 31-1552	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	29.32	6.23
28 46 13 31-1553	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	29.32	6.23
28 46 13 31-1554	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	30.57	6.23
28 46 13 31-1555	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	30.57	6.23
28 46 13 31-1556	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	30.57	6.23
28 46 13 31-1557	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	31.94	6.23
28 46 13 31-1558	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	31.94	6.23
28 46 13 31-1559	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	33.19	6.23
28 46 13 31-1560	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	33.19	6.23
28 46 13 31-1561	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	34.56	6.23
28 46 13 31-1562	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	38.43	6.23
28 46 13 31-1563	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	37.12	6.23
28 46 13 31-1564	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	35.81	6.23
28 46 13 31-1565	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	38.43	6.23
28 46 13 31-1566	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	35.54	9.35
28 46 13 31-1567	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	36.79	9.35
28 46 13 31-1568	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	40.78	9.35
28 46 13 31-1569	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	66.68	9.35
28 46 13 31-1570	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	70.49	9.35
28 46 13 31-1571	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	74.30	9.35
28 46 13 31-1572	EA	Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	60.93	15.57
28 46 13 31-1573	EA	Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	63.55	15.57
28 46 13 31-1574	EA	Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	68.79	15.57
28 46 13 31-1575	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	367.93	
28 46 13 31-1576		First Command *(28 46 13 31-0995)*		
28 46 13 31-1577	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,703.24	778.92
28 46 13 31-1578	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,769.07	778.92
28 46 13 31-1579	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,849.94	62.31
28 46 13 31-1580	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,899.31	62.31
28 46 13 31-1581	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,386.99	62.31
28 46 13 31-1582	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,496.71	62.31
28 46 13 31-1583	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	855.82	31.16
28 46 13 31-1584	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	855.82	31.16
28 46 13 31-1585	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	543.35	31.16
28 46 13 31-1586	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	708.51	31.16
28 46 13 31-1587	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	2,503.82	62.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1588	EA	Local Operator Console (Notifier NFC-LOC) ..... Note: Includes built-in microphone, message and zone control switches, black.	2,451.16	62.31
28 46 13 31-1589	EA	Black, Remote Microphone (Notifier NFC-RM)	714.62	
28 46 13 31-1590	EA	Remote Page Unit (Notifier NFC-RPU) ..... Note: Includes built-in microphone, message control switches, black.	2,072.66	62.31
28 46 13 31-1591	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	411.19	31.16
28 46 13 31-1592	EA	Firefighters Phone Jack (Notifier N-FPJ)	188.36	9.35
28 46 13 31-1593	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	51.55	9.35
28 46 13 31-1594	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	167.47	18.69
28 46 13 31-1595		LED Displays *(28 46 13 31-0995)*		
28 46 13 31-1596	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,953.03	37.39
28 46 13 31-1597	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,744.83	49.85
28 46 13 31-1598	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,776.65	49.85
28 46 13 31-1599	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,666.94	49.85
28 46 13 31-1600	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,731.13	49.85
28 46 13 31-1601	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,831.50	49.85
28 46 13 31-1602		Control Relays *(28 46 13 31-0995)*		
28 46 13 31-1603	EA	Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR)	82.00	15.57
28 46 13 31-1604	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	61.88	15.57
28 46 13 31-1605	EA	Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR)	226.03	31.16
28 46 13 31-1606	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	126.71	15.57
28 46 13 31-1607	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	151.42	15.57
28 46 13 31-1608	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	232.58	31.16
28 46 13 31-1609	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	232.58	31.16
28 46 13 31-1610	EA	Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR)	117.08	31.16
28 46 13 31-1611	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	67.12	15.57
28 46 13 31-1612	EA	Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR)	247.46	31.16
28 46 13 31-1613	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	83.98	31.16
28 46 13 31-1614	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	83.98	31.16
28 46 13 31-1615	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	83.98	31.16
28 46 13 31-1616		Gamewell-FCI Fire Control Instruments *(28 46 13 31-0995)*		
28 46 13 31-1617		7100 Series And NetSOLO® *(28 46 13 31-1616)*		
28 46 13 31-1618		7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 13 31-1617)*		
28 46 13 31-1619	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,148.77	373.88
28 46 13 31-1620	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	4,951.17	623.14
28 46 13 31-1621	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	5,417.91	623.14
28 46 13 31-1622	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	4,951.17	623.14
28 46 13 31-1623	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	5,417.91	623.14
28 46 13 31-1624	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,562.66	
28 46 13 31-1625	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,874.91	
28 46 13 31-1626	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,874.91	62.31
28 46 13 31-1627		NetSOLO® Intelligent Network *(28 46 13 31-1617)*		
28 46 13 31-1628	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) ..... Note: Mounted in 7100 panel.	2,080.35	62.31
28 46 13 31-1629	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) ..... Note: Mounted in 7100 panel.	1,651.40	62.31
28 46 13 31-1630		Components And Accessories *(28 46 13 31-1617)*		
28 46 13 31-1631	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,023.67	46.73
28 46 13 31-1632	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	775.44	62.31
28 46 13 31-1633	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,427.89	62.31
28 46 13 31-1634	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	571.65	62.31
28 46 13 31-1635	EA	Enclosure Box (Gamewell-FCI EN-7100)	457.98	124.63
28 46 13 31-1636	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,495.41	31.16
28 46 13 31-1637		E3 Series® Basic System *(28 46 13 31-1616)*		
28 46 13 31-1638	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,367.25	62.31
28 46 13 31-1639	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,174.00	62.31
28 46 13 31-1640	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,367.25	62.31
28 46 13 31-1641	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,174.00	62.31
28 46 13 31-1642	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	870.85	62.31
28 46 13 31-1643	EA	Power Supply Module (Gamewell-FCI PM-9)	1,142.40	62.31
28 46 13 31-1644	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	960.78	62.31
28 46 13 31-1645	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	953.49	31.16
28 46 13 31-1646	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	543.37	62.31
28 46 13 31-1647	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,466.78	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1648	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,227.86	62.31
28 46 13 31-1649	EA	Local Operating Console (Gamewell-FCI 1100-0455)	819.12	46.73
28 46 13 31-1650	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,651.11	46.73
28 46 13 31-1651	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,047.62	62.31
28 46 13 31-1652	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,205.91	62.31
28 46 13 31-1653	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	729.40	124.63
28 46 13 31-1654	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	533.61	124.63
28 46 13 31-1655	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	116.69	31.16
28 46 13 31-1656	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	732.61	62.31
28 46 13 31-1657	EA	LED Driver module (Gamewell-FCI ANU-48)	732.61	62.31
28 46 13 31-1658	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,222.10	46.73

28 46 13 31-1659 Addressable Devices, Module, Pulls And Accessories *(28 46 13 31-1616)*

28 46 13 31-1660 Velociti® Series Sensors And Bases *(28 46 13 31-1659)*

28 46 13 31-1661	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	228.23	46.73
28 46 13 31-1662	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	238.16	46.73
28 46 13 31-1663	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	247.96	46.73
28 46 13 31-1664	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	188.79	46.73
28 46 13 31-1665	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	197.01	46.73
28 46 13 31-1666	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	188.79	46.73
28 46 13 31-1667	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	282.47	46.73
28 46 13 31-1668	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	627.59	46.73
28 46 13 31-1669	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	525.56	77.89
28 46 13 31-1670	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	591.30	77.89
28 46 13 31-1671	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	282.33	
28 46 13 31-1672	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	57.46	15.57
28 46 13 31-1673	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	676.90	46.73
28 46 13 31-1674	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	133.88	15.57
28 46 13 31-1675	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,405.61	93.47

28 46 13 31-1676 Velociti® Series Modules And Pull Station *(28 46 13 31-1659)*

28 46 13 31-1677	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	166.67	31.16
28 46 13 31-1678	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	271.03	31.16
28 46 13 31-1679	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	183.10	31.16
28 46 13 31-1680	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	259.53	31.16
28 46 13 31-1681	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	215.97	31.16
28 46 13 31-1682	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	224.19	31.16
28 46 13 31-1683	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	311.16	62.31
28 46 13 31-1684	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	231.59	31.16
28 46 13 31-1685	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	37.12	6.23

28 46 13 31-1686 Components And Accessories *(28 46 13 31-1659)*

28 46 13 31-1687	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	90.94	24.92
28 46 13 31-1688	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	45.46	12.47
28 46 13 31-1689	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	48.75	12.47
28 46 13 31-1690	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	58.28	15.57
28 46 13 31-1691	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	94.91	18.69
28 46 13 31-1692	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	141.88	24.92

28 46 13 31-1693 Fixed And Rate of Rise Heat Detectors *(28 46 13 31-1659)*

28 46 13 31-1694	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	121.41	46.73
28 46 13 31-1695	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	121.41	46.73
28 46 13 31-1696	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	121.69	46.73
28 46 13 31-1697	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	121.69	46.73

28 46 13 31-1698 NAC Expander/Power Supply *(28 46 13 31-1659)*

28 46 13 31-1699	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,180.31	498.51
28 46 13 31-1700	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,868.05	498.51
28 46 13 31-1701	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	2,024.18	498.51

28 46 13 31-1702 Batteries And Accessories *(28 46 13 31-1616)*

28 46 13 31-1703	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	344.99	31.16
28 46 13 31-1704	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	880.75	31.16
28 46 13 31-1705	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	180.64	31.16
28 46 13 31-1706	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	422.10	62.31
28 46 13 31-1707	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	422.10	62.31
28 46 13 31-1708	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	374.44	62.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1709		**Electronic Door Holders** *(28 46 13 31-1616)*		
		Note: Rixson products.		
28 46 13 31-1710	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	60.79	6.23
28 46 13 31-1711	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	487.90	46.73
28 46 13 31-1712	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	667.04	46.73
28 46 13 31-1713	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	309.42	46.73
28 46 13 31-1714	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	294.63	46.73
28 46 13 31-1715	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	309.42	46.73
28 46 13 31-1716	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	308.76	46.73
28 46 13 31-1717		**Fire Alarm Programming** *(28 46 13 31-1616)*		
		Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1718	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1719	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1720	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1721		**Fire-Lite Fire Alarm** *(28 46 13 31-0994)*		
28 46 13 31-1722		**Addressable Control Panels** *(28 46 13 31-1721)*		
28 46 13 31-1723	EA	25 Point Intelligent Control (Fire Lite MS-25)	2,104.07	623.14
28 46 13 31-1724	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,312.77	623.14
28 46 13 31-1725	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,257.57	623.14
28 46 13 31-1726	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	4,795.93	623.14
28 46 13 31-1727	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	4,596.81	623.14
28 46 13 31-1728	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	673.57	
28 46 13 31-1729		**Silent Knight Fire Alarm** *(28 46 13 31-0994)*		
28 46 13 31-1730	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,217.27	311.57
28 46 13 31-1731	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,160.95	186.94
28 46 13 31-1732	EA	50 Watt Amplifier (Silent Knight EVS-50W)	1,515.80	124.63
28 46 13 31-1733	EA	125 Watt Amplifier (Silent Knight EVS-125W)	2,706.48	124.63
28 46 13 31-1734	EA	Voice Evacuation System (Silent Knight SKE-450)	2,588.46	124.63
28 46 13 31-1735	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,145.91	124.63
28 46 13 31-1736	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,192.55	186.94
28 46 13 31-1737	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,631.70	124.63
28 46 13 31-1738	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,245.12	124.63
28 46 13 31-1739	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,072.38	124.63
28 46 13 31-1740	EA	Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	341.64	46.73
28 46 13 31-1741	EA	Photoelectric Detector (Silent Knight SK-PHOTO)	193.37	46.73
28 46 13 31-1742	EA	Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	203.69	46.73
28 46 13 31-1743	EA	Ionization Smoke Detector (Silent Knight SK-ION)	204.85	46.73
28 46 13 31-1744	EA	135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	178.18	46.73
28 46 13 31-1745	EA	190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	187.60	46.73
28 46 13 31-1746	EA	135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	191.08	46.73
28 46 13 31-1747	EA	Sounder Base (Silent Knight B200SR)	116.10	15.57
28 46 13 31-1748	EA	Intelligent Sounder Base (Silent Knight B200S)	123.00	15.57
28 46 13 31-1749	EA	Isolator Base (Silent Knight B224BI)	96.61	15.57
28 46 13 31-1750	EA	Relay Base (Silent Knight B224RB)	97.74	15.57
28 46 13 31-1751	EA	Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	208.45	46.73
28 46 13 31-1752	EA	Photoelectric Duct Detector (Silent Knight SK-DUCT)	337.32	46.73
28 46 13 31-1753	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	1,197.73	46.73
28 46 13 31-1754	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	1,368.43	46.73
28 46 13 31-1755	EA	Dual Monitor Module (Silent Knight SK-MONITOR-2)	248.26	46.73
28 46 13 31-1756	EA	Supervised Control Module (Silent Knight SK-CONTROL)	206.23	46.73
28 46 13 31-1757	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	700.39	62.31
28 46 13 31-1758	EA	Relay Control Module (Silent Knight SK-RELAY)	177.29	31.16
28 46 13 31-1759	EA	Six Relay Control Module (Silent Knight SK-RELAY-6)	676.92	62.31
28 46 13 31-1760	EA	Zone Interface Module (Silent Knight SK-ZONE)	210.66	46.73
28 46 13 31-1761	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	811.27	62.31
28 46 13 31-1762	EA	Monitor Module (Silent Knight SK-MONITOR)	180.72	46.73
28 46 13 31-1763	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	785.69	62.31
28 46 13 31-1764	EA	Monitor Module (Silent Knight SK-MINIMON)	168.11	46.73
28 46 13 31-1765	EA	Fault Isolator Module (Silent Knight SK-ISO)	187.60	46.73
28 46 13 31-1766	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	184.18	46.73
28 46 13 31-1767	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	200.45	46.73
28 46 13 31-1768	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	187.60	46.73
28 46 13 31-1769	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	142.54	15.57
28 46 13 31-1770	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	134.48	15.57
28 46 13 31-1771	EA	6" Isolator Base (Silent Knight SD505-6IB)	121.87	15.57
28 46 13 31-1772	EA	Addressable Input Module (Silent Knight SD500-AIM)	186.47	46.73
28 46 13 31-1773	EA	Addressable Notification Module (Silent Knight SD500-ANM)	230.56	46.73
28 46 13 31-1774	EA	Addressable Relay Module (Silent Knight SD500-ARM)	206.23	46.73
28 46 13 31-1775	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	807.48	93.47
28 46 13 31-1776	EA	Loop Isolation Module (Silent Knight SD500-LIM)	194.50	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1777	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	153.02	31.16
28 46 13 31-1778	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	197.19	31.16
28 46 13 31-1779	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	188.35	31.16
28 46 13 31-1780	EA	Back Box (Silent Knight SK-PSSMBB)	86.88	24.92
28 46 13 31-1781	EA	Smoke Detector Module (Silent Knight SD500-SDM)	217.28	46.73
28 46 13 31-1782	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	52.15	15.57
28 46 13 31-1783	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	52.15	15.57
28 46 13 31-1784	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	352.44	46.73
28 46 13 31-1785	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	458.18	46.73
28 46 13 31-1786	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	192.21	46.73
28 46 13 31-1787	EA	Intelligent Power Module (Silent Knight 5895XL)	1,164.08	124.63
28 46 13 31-1788	EA	Addressable Power Supply (Silent Knight 5496)	811.75	93.47
28 46 13 31-1789	EA	Relay Interface Board (Silent Knight 5883)	310.48	31.16
28 46 13 31-1790	EA	Remote LED Annunciator (Silent Knight 5865-3)	638.54	62.31
28 46 13 31-1791	EA	Remote LED Annunciator (Silent Knight 5865-4)	795.61	62.31
28 46 13 31-1792	EA	Remote LCD Annunciator (Silent Knight SK-5860)	685.92	93.47
28 46 13 31-1793	EA	Serial/Parallel Printer Interface (Silent Knight 5824)	444.29	31.16
28 46 13 31-1794	EA	LED Input/Output Module (Silent Knight / IntelliKnight 5880)	522.07	46.73
28 46 13 31-1795	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	188.35	31.16
28 46 13 31-1796	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	656.06	93.47
28 46 13 31-1797	EA	Communicator (Silent Knight IPGSM-4G)	969.23	62.31
28 46 13 31-1798	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,532.65	124.63
28 46 13 31-1799	EA	10 Zone Expander (Silent Knight SK-5217)	429.19	31.16
28 46 13 31-1800	EA	Remote Annunciator (Silent Knight SK-5235)	431.07	62.31
28 46 13 31-1801	EA	Status Display Module (Silent Knight 5280)	125.47	31.16
28 46 13 31-1802	EA	Serial/Parallel Module (Silent Knight 5824)	506.61	62.31
28 46 13 31-1803	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	874.07	124.63
28 46 13 31-1804	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	891.12	124.63
28 46 13 31-1805	EA	Dress Panel (Silent Knight SK-DP2/4)	165.63	31.16
28 46 13 31-1806	EA	Class A Convertor (Silent Knight SK-CAC4)	430.13	46.73
28 46 13 31-1807	EA	Transmitter Module (Silent Knight SK-4XTM	228.35	46.73
28 46 13 31-1808	EA	LED Interface Module (Silent Knight SK-4XLM	210.66	46.73
28 46 13 31-1809	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	214.87	31.16
28 46 13 31-1810	EA	Remote Annunciator (Silent Knight SK-RZA4)	210.66	46.73
28 46 13 31-1811	EA	Zone Relay Module (Silent Knight SK-4XZM)	226.13	46.73
28 46 13 31-1812	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	756.77	124.63
28 46 13 31-1813	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	188.35	31.16
28 46 13 31-1814	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	105.12	31.16
28 46 13 31-1815	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	113.67	31.16
28 46 13 31-1816	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	111.27	31.16
28 46 13 31-1817	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	99.55	31.16
28 46 13 31-1818	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	220.72	37.39
28 46 13 31-1819	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	762.70	93.47
28 46 13 31-1820	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	856.53	93.47
28 46 13 31-1821	EA	Detector (Silent Knight IDP-PhotoR)	263.64	46.73
28 46 13 31-1822	EA	Monitoring Module (Silent Knight IDP)	272.60	46.73
28 46 13 31-1823	EA	I/O Input-Output Module (Silent Knight SK-2880)	689.27	31.16
28 46 13 31-1824	EA	Remote Annunciator (Silent Knight RA-2000)	1,978.24	93.47
28 46 13 31-1825	EA	Power Supply (Silent Knight 5195/96)	1,226.65	31.16
28 46 13 31-1826	EA	8 Zone Expander (Silent Knight SK-5210)	957.96	31.16
28 46 13 31-1827	EA	LCD Remote Annunciator (Silent Knight SK-5230)	409.48	62.31
28 46 13 31-1828	EA	Ionization Smoke Detector (Silent Knight SK-ION)	204.85	46.73
28 46 13 31-1829	EA	Addressable Relay Module (Silent Knight IDP-Relay)	227.82	46.73
28 46 13 31-1830	EA	Telephone Line Monitor (Silent Knight SK-7150)	142.92	31.16
28 46 13 31-1831	EA	Serial Driver Board (Silent Knight SK-2884)	261.14	31.16
28 46 13 31-1832	EA	Smoke Detector Base (Silent Knight IDP-6AB)	75.94	15.57
28 46 13 31-1833	EA	Mini Input Module (Silent Knight IDP-MINIMON)	196.66	31.16
28 46 13 31-1834	EA	Status Display Module (Silent Knight SK-4180)	707.18	31.16
28 46 13 31-1835	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	420.57	31.16
28 46 13 31-1836	EA	Serial Parallel Module (Silent Knight SK-4824)	384.74	31.16
28 46 13 31-1837	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,405.79	31.16
28 46 13 31-1838	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,398.82	124.63
28 46 13 31-1839	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	272.60	46.73
28 46 13 31-1840	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	227.82	46.73
28 46 13 31-1841	EA	Intelligent Power Module (with cabinet) (Silent Knight SK-5496)	811.75	93.47

28 46 13 31-1842 Alerton Fire Alarm *(28 46 13 31)*

28 46 13 31-1843	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	640.24	9.35

28 46 13 31-1844 Cooper Fire Alarm *(28 46 13 31)*

28 46 13 31-1845	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	208.77	31.16
28 46 13 31-1846	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,559.63	52.96
28 46 13 31-1847	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,015.62	52.96
28 46 13 31-1848	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,190.51	62.31
28 46 13 31-1849	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,203.45	62.31
28 46 13 31-1850	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,203.45	62.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1851	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,630.76	62.31
28 46 13 31-1852	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,630.76	62.31
28 46 13 31-1853	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,630.76	62.31
28 46 13 31-1854	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,203.45	62.31
28 46 13 31-1855	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,203.45	62.31
28 46 13 31-1856	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,203.45	62.31
28 46 13 31-1857	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,203.45	62.31
28 46 13 31-1858	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,203.45	62.31
28 46 13 31-1859	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,538.33	62.31
28 46 13 31-1860	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,357.14	62.31
28 46 13 31-1861	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,357.14	62.31
28 46 13 31-1862	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,357.14	62.31
28 46 13 31-1863		Light Engineered Displays Message Boards *(28 46 13 31)*		
28 46 13 31-1864	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	939.77	37.39
28 46 13 31-1865	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	828.43	37.39
28 46 13 31-1866		Safety Technology International Fire Alarm *(28 46 13 31)*		
28 46 13 31-1867		Enclosures *(28 46 13 31-1866)*		
28 46 13 31-1868	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	167.20	18.69
28 46 13 31-1869	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	219.35	18.69
28 46 13 31-1870	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	170.67	18.69
28 46 13 31-1871	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	220.51	18.69
28 46 13 31-1872	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	175.31	18.69
28 46 13 31-1873	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	255.28	18.69
28 46 13 31-1874	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	183.42	18.69
28 46 13 31-1875	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	254.12	18.69
28 46 13 31-1876	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	197.33	18.69
28 46 13 31-1877	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	276.14	18.69
28 46 13 31-1878	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	235.58	18.69
28 46 13 31-1879	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	359.59	18.69
28 46 13 31-1880	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	254.12	18.69
28 46 13 31-1881	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	454.63	18.69
28 46 13 31-1882	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	270.35	18.69
28 46 13 31-1883	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	468.53	18.69
28 46 13 31-1884	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	322.50	18.69
28 46 13 31-1885	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	481.28	18.69
28 46 13 31-1886	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	468.53	18.69
28 46 13 31-1887	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	698.01	18.69
28 46 13 31-1888	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	123.16	18.69
28 46 13 31-1889	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	134.75	18.69
28 46 13 31-1890	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	128.37	18.69
28 46 13 31-1891	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	138.22	18.69
28 46 13 31-1892	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	133.01	18.69
28 46 13 31-1893	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	144.60	18.69
28 46 13 31-1894	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	134.75	18.69
28 46 13 31-1895	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	158.50	18.69
28 46 13 31-1896	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	141.70	18.69
28 46 13 31-1897	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	163.14	18.69
28 46 13 31-1898	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	148.07	18.69
28 46 13 31-1899	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	166.04	18.69
28 46 13 31-1900	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	149.81	18.69
28 46 13 31-1901	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	171.83	18.69
28 46 13 31-1902	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	176.47	18.69
28 46 13 31-1903	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	220.51	18.69
28 46 13 31-1904	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	195.01	18.69
28 46 13 31-1905	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	264.55	18.69
28 46 13 31-1906	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	217.03	18.69
28 46 13 31-1907	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	284.25	18.69
28 46 13 31-1908	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	247.17	18.69
28 46 13 31-1909	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	334.09	18.69
28 46 13 31-1910	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	396.68	18.69
28 46 13 31-1911	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	415.22	18.69
28 46 13 31-1912	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	600.66	18.69
28 46 13 31-1913	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	696.86	18.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1914		**STI® Fire Alarm Devices** *(28 46 13 31-1866)*		
28 46 13 31-1915	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	201.39	18.69
28 46 13 31-1916	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	220.51	18.69
28 46 13 31-1917	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	126.92	18.69
28 46 13 31-1918	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	128.08	18.69
28 46 13 31-1919	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	113.01	18.69
28 46 13 31-1920	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	128.08	18.69
28 46 13 31-1921	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	101.71	18.69
28 46 13 31-1922	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	249.49	18.69
28 46 13 31-1923	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	163.72	18.69
28 46 13 31-1924	EA	Backplate For Polycarbonate Cover (STI-1280)	74.01	18.69
28 46 13 31-1925	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	51.30	18.69
28 46 13 31-1926	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	75.29	18.69
28 46 13 31-1927	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	184.00	18.69
28 46 13 31-1928	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	150.97	18.69
28 46 13 31-1929	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	109.25	18.69
28 46 13 31-1930	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	102.87	18.69
28 46 13 31-1931	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	99.11	18.69
28 46 13 31-1932	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	102.87	18.69
28 46 13 31-1933	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	99.11	18.69
28 46 13 31-1934	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	102.87	18.69
28 46 13 31-1935	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	99.11	18.69
28 46 13 31-1936	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	202.55	18.69
28 46 13 31-1937	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	91.51	18.69
28 46 13 31-1938	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	106.95	18.69
28 46 13 31-1939	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	143.44	18.69
28 46 13 31-1940	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	143.44	18.69
28 46 13 31-1941	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	101.71	18.69
28 46 13 31-1942	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	101.71	18.69
28 46 13 31-1943	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	91.51	18.69
28 46 13 31-1944	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	101.71	18.69
28 46 13 31-1945	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	101.71	18.69
28 46 13 31-1946	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	129.91	9.35
28 46 13 31-1947	EA	Gasket Kit For STI Covers (STI SUB-121)	53.91	
28 46 13 31-1948	EA	Stopper II® With Horn Flush Mount, Custom Label (STI STI-1100CR)	190.47	31.16
28 46 13 31-1949	EA	Smoke Detector Guard, Stainless Steel, Surface Mounting, Open Back, 9-1/4" Width, 5" Depth (STI STI-8230-SS)	223.88	18.69
28 46 13 31-1950	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	264.55	18.69
28 46 13 31-1951	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	141.12	18.69
28 46 13 31-1952	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	141.12	18.69
28 46 13 31-1953	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	264.55	18.69
28 46 13 31-1954	EA	Flush Mounted, Weather Stopper II (STI-1250)	152.42	18.69
28 46 13 31-1955	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	99.11	18.69
28 46 13 31-1956	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	174.73	18.69
28 46 13 31-1957	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	120.84	18.69
28 46 13 31-1958	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	132.43	18.69
28 46 13 31-1959	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	144.60	18.69
28 46 13 31-1960	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	144.60	18.69
28 46 13 31-1961	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	196.17	18.69
28 46 13 31-1962	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	207.76	18.69
28 46 13 31-1963	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	248.33	18.69
28 46 13 31-1964	EA	Stopper II, Weather Gasket (STI-3002)	50.08	18.69
28 46 13 31-1965	EA	Large, Break Glass Stopper (STI-4100)	143.44	18.69
28 46 13 31-1966	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	138.22	18.69
28 46 13 31-1967	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	133.30	18.69
28 46 13 31-1968	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	366.54	18.69
28 46 13 31-1969	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	5,206.49	18.69
28 46 13 31-1970	EA	Stainless Steel Guard (STI-9604SS)	94.18	18.69
28 46 13 31-1971	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	84.04	18.69
28 46 13 31-1972		**System Sensor Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1973		**Smoke Detectors** *(28 46 13 31-1972)*		
28 46 13 31-1974	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	65.46	6.23
28 46 13 31-1975	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	278.00	6.23
28 46 13 31-1976	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	331.81	62.31
28 46 13 31-1977	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	240.72	62.31
28 46 13 31-1978	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	194.29	62.31
28 46 13 31-1979	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	182.87	46.73
28 46 13 31-1980	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	180.09	46.73
28 46 13 31-1981	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	192.50	46.73
28 46 13 31-1982	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	185.97	46.73
28 46 13 31-1983	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	192.00	46.73
28 46 13 31-1984	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	197.32	46.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1985	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	268.19	46.73
28 46 13 31-1986	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	156.14	31.16
28 46 13 31-1987	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	178.79	31.16
28 46 13 31-1988	EA	Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	319.31	15.57
28 46 13 31-1989	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	107.66	15.57
28 46 13 31-1990	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	205.68	46.73
28 46 13 31-1991		**Duct Smoke Detectors** *(28 46 13 31-1972)*		
28 46 13 31-1992	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	405.43	46.73
28 46 13 31-1993	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	401.86	46.73
28 46 13 31-1994	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	528.64	52.96
28 46 13 31-1995	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	264.73	31.16
28 46 13 31-1996	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	71.68	9.35
28 46 13 31-1997	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	227.26	24.92
28 46 13 31-1998	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	370.70	31.16
28 46 13 31-1999	EA	1' Steel Sampling Tube (System Sensor DST1)	40.28	12.47
28 46 13 31-2000	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	44.33	12.47
28 46 13 31-2001	EA	3' Steel Sampling Tube (System Sensor DST3)	50.46	12.47
28 46 13 31-2002	EA	5' Steel Sampling Tube (System Sensor DST5)	59.36	15.57
28 46 13 31-2003	EA	10' Steel Sampling Tube (System Sensor DST10)	96.81	18.69
28 46 13 31-2004	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	46.00	12.47
28 46 13 31-2005	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	107.36	15.57
28 46 13 31-2006	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	238.74	
28 46 13 31-2007	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	256.60	
28 46 13 31-2008		**Heat Detectors** *(28 46 13 31-1972)*		
28 46 13 31-2009	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	122.35	46.73
28 46 13 31-2010	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	121.69	46.73
28 46 13 31-2011	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	142.88	46.73
28 46 13 31-2012	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	142.88	46.73
28 46 13 31-2013	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	151.50	46.73
28 46 13 31-2014	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	151.50	46.73
28 46 13 31-2015		**Horns** *(28 46 13 31-1972)*		
28 46 13 31-2016	EA	Red, Mini Horn (System Sensor MHR)	131.27	46.73
28 46 13 31-2017	EA	White, Mini Horn (System Sensor MHW)	131.27	46.73
28 46 13 31-2018	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	133.12	46.73
28 46 13 31-2019	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	168.21	52.96
28 46 13 31-2020	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	133.12	46.73
28 46 13 31-2021	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	182.87	46.73
28 46 13 31-2022	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	133.72	46.73
28 46 13 31-2023	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	133.72	46.73
28 46 13 31-2024		**Wall Mounted Horns/Strobes** *(28 46 13 31-1972)*		
28 46 13 31-2025	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	182.77	46.73
28 46 13 31-2026	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	226.13	46.73
28 46 13 31-2027	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	272.64	52.96
28 46 13 31-2028	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	266.09	52.96
28 46 13 31-2029	EA	Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	278.89	52.96
28 46 13 31-2030	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	271.74	52.96
28 46 13 31-2031	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	257.75	52.96
28 46 13 31-2032	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	224.15	46.73
28 46 13 31-2033	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	178.61	46.73
28 46 13 31-2034	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	182.77	46.73
28 46 13 31-2035	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	227.74	46.73
28 46 13 31-2036	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	263.71	52.96
28 46 13 31-2037	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	266.09	52.96
28 46 13 31-2038	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	226.13	46.73
28 46 13 31-2039	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	280.68	52.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2040	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	257.75	52.96
28 46 13 31-2041	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	177.71	46.73
28 46 13 31-2042	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	220.28	46.73
28 46 13 31-2043	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	232.39	46.73
28 46 13 31-2044	EA	Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	268.24	52.96
28 46 13 31-2045	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	251.80	52.96
28 46 13 31-2046	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	220.28	46.73
28 46 13 31-2047	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	287.13	52.96
28 46 13 31-2048	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	266.68	52.96
28 46 13 31-2049	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	272.07	46.73
28 46 13 31-2050	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	272.07	46.73
28 46 13 31-2051	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	182.18	46.73
28 46 13 31-2052	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	182.18	46.73

28 46 13 31-2053 Ceiling Mounted Horns/Strobes *(28 46 13 31-1972)*

28 46 13 31-2054	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	185.75	46.73
28 46 13 31-2055	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	229.36	46.73
28 46 13 31-2056	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	263.71	52.96
28 46 13 31-2057	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	255.97	52.96
28 46 13 31-2058	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	218.04	46.73
28 46 13 31-2059	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	185.75	46.73
28 46 13 31-2060	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	229.36	46.73
28 46 13 31-2061	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	263.71	52.96
28 46 13 31-2062	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	229.36	46.73
28 46 13 31-2063	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	255.97	52.96
28 46 13 31-2064	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	216.42	46.73
28 46 13 31-2065	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	221.77	46.73
28 46 13 31-2066	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	232.39	46.73
28 46 13 31-2067	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	221.77	46.73

28 46 13 31-2068 Wall Mounted Strobes *(28 46 13 31-1972)*

28 46 13 31-2069	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	84.62	15.57
28 46 13 31-2070	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	164.82	15.57
28 46 13 31-2071	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	164.61	46.73
28 46 13 31-2072	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	196.63	46.73
28 46 13 31-2073	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	239.36	52.96
28 46 13 31-2074	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	236.61	52.96
28 46 13 31-2075	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	236.32	52.96
28 46 13 31-2076	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	207.15	52.96
28 46 13 31-2077	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	163.13	46.73
28 46 13 31-2078	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	164.02	46.73
28 46 13 31-2079	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	178.01	46.73
28 46 13 31-2080	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	205.10	46.73
28 46 13 31-2081	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	214.80	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2082	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	213.18	46.73
28 46 13 31-2083	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	213.18	46.73
28 46 13 31-2084	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	239.89	52.96
28 46 13 31-2085	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	237.21	52.96
28 46 13 31-2086	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	239.30	52.96
28 46 13 31-2087	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	230.51	52.96
28 46 13 31-2088	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	234.83	52.96
28 46 13 31-2089	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	236.02	52.96
28 46 13 31-2090	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	162.83	46.73
28 46 13 31-2091	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	28.84	6.23
28 46 13 31-2092	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	28.84	6.23
28 46 13 31-2093	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	28.84	6.23
28 46 13 31-2094	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	28.84	6.23
28 46 13 31-2095	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	167.00	46.73
28 46 13 31-2096	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	163.72	46.73
28 46 13 31-2097	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	28.84	6.23
28 46 13 31-2098	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	28.84	6.23
28 46 13 31-2099	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	28.84	6.23
28 46 13 31-2100	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	28.84	6.23
28 46 13 31-2101	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	243.30	46.73
28 46 13 31-2102	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	243.30	46.73

28 46 13 31-2103 Ceiling Mounted Strobes *(28 46 13 31-1972)*

28 46 13 31-2104	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	167.89	46.73
28 46 13 31-2105	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	199.38	46.73
28 46 13 31-2106	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	239.36	52.96
28 46 13 31-2107	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	239.36	52.96
28 46 13 31-2108	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	167.89	46.73
28 46 13 31-2109	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	179.80	46.73
28 46 13 31-2110	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	218.04	46.73
28 46 13 31-2111	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	237.21	52.96
28 46 13 31-2112	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	234.83	52.96
28 46 13 31-2113	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	193.77	46.73
28 46 13 31-2114	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	28.84	6.23
28 46 13 31-2115	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	28.84	6.23
28 46 13 31-2116	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	28.84	6.23
28 46 13 31-2117	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	28.84	6.23

28 46 13 31-2118 Wall Mounted Speakers *(28 46 13 31-1972)*

28 46 13 31-2119	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	439.96	46.73
28 46 13 31-2120	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	140.50	46.73
28 46 13 31-2121	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	227.42	46.73
28 46 13 31-2122	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	188.10	52.96
28 46 13 31-2123	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	162.24	46.73
28 46 13 31-2124	EA	White, Wall Mounted Speaker (System Sensor SPWL)	140.50	46.73
28 46 13 31-2125	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	238.70	52.96
28 46 13 31-2126	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	158.84	46.73

28 46 13 31-2127 Ceiling Mounted Speakers *(28 46 13 31-1972)*

28 46 13 31-2128	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	137.23	46.73
28 46 13 31-2129	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	217.95	46.73
28 46 13 31-2130	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	162.24	46.73
28 46 13 31-2131	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	139.91	46.73
28 46 13 31-2132	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	174.36	46.73
28 46 13 31-2133	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	239.89	52.96

28 46 13 31-2134 Wall Mounted Speakers/Strobes *(28 46 13 31-1972)*

28 46 13 31-2135	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	162.73	15.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2136	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL)	81.05	15.57
28 46 13 31-2137	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	230.40	46.73
28 46 13 31-2138	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	248.89	46.73
28 46 13 31-2139	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	331.51	52.96
28 46 13 31-2140	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	331.58	52.96
28 46 13 31-2141	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	282.16	52.96
28 46 13 31-2142	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	227.72	46.73
28 46 13 31-2143	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	240.64	46.73
28 46 13 31-2144	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	231.59	46.73
28 46 13 31-2145	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	335.75	52.96
28 46 13 31-2146	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	230.40	46.73
28 46 13 31-2147	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	276.28	46.73
28 46 13 31-2148	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	276.28	46.73
28 46 13 31-2149	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	347.65	52.96
28 46 13 31-2150	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	330.39	52.96
28 46 13 31-2151	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	226.53	46.73
28 46 13 31-2152	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	266.57	46.73
28 46 13 31-2153	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	266.57	46.73
28 46 13 31-2154	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	241.08	52.96

28 46 13 31-2155 Ceiling Mounted Speakers/Strobes *(28 46 13 31-1972)*

28 46 13 31-2156	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	214.33	46.73
28 46 13 31-2157	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	251.65	46.73
28 46 13 31-2158	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	240.64	46.73
28 46 13 31-2159	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	214.33	46.73
28 46 13 31-2160	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	229.21	46.73
28 46 13 31-2161	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	276.28	46.73
28 46 13 31-2162	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	349.44	52.96
28 46 13 31-2163	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	276.28	46.73
28 46 13 31-2164	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	336.34	52.96
28 46 13 31-2165	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	347.65	52.96
28 46 13 31-2166	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	214.33	46.73
28 46 13 31-2167	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	266.57	46.73
28 46 13 31-2168	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	276.28	46.73
28 46 13 31-2169	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	266.57	46.73
28 46 13 31-2170	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	276.03	46.73

28 46 13 31-2171 Electric Alarm Bells *(28 46 13 31-1972)*

28 46 13 31-2172	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	175.33	46.73
28 46 13 31-2173	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	189.92	46.73
28 46 13 31-2174	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	205.99	46.73
28 46 13 31-2175	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	185.69	47.36
28 46 13 31-2176	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	187.82	47.36
28 46 13 31-2177	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	201.29	47.36

28 46 13 31-2178 Device Bases *(28 46 13 31-1972)*

28 46 13 31-2179	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	138.62	15.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2180	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	134.16	15.57
28 46 13 31-2181	EA	Intelligent Isolator Base (System Sensor B224BI)	110.04	15.57
28 46 13 31-2182	EA	Intelligent Relay Base (System Sensor B224RB)	111.23	15.57
28 46 13 31-2183	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	68.31	15.57
28 46 13 31-2184	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	138.62	15.57
28 46 13 31-2185	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	134.16	15.57
28 46 13 31-2186	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	201.43	15.57
28 46 13 31-2187	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	201.43	15.57
28 46 13 31-2188	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	194.88	15.57
28 46 13 31-2189	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	144.07	15.57
28 46 13 31-2190	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	131.48	15.57
28 46 13 31-2191	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	110.04	15.57
28 46 13 31-2192	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	102.90	15.57
28 46 13 31-2193	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	111.23	15.57
28 46 13 31-2194	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	104.39	15.57
28 46 13 31-2195	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	68.31	15.57
28 46 13 31-2196	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	68.31	15.57
28 46 13 31-2197	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	60.57	15.57
28 46 13 31-2198	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	205.00	15.57
28 46 13 31-2199	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	205.00	15.57
28 46 13 31-2200	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	197.26	15.57
28 46 13 31-2201	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	53.49	15.57
28 46 13 31-2202	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	60.93	15.57
28 46 13 31-2203	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	57.85	15.57
28 46 13 31-2204	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	115.85	18.69

28 46 13 31-2205 Boxes, Plates And Decals *(28 46 13 31-1972)*

28 46 13 31-2206	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	61.17	15.57
28 46 13 31-2207	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	93.43	15.57
28 46 13 31-2208	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	102.01	15.57
28 46 13 31-2209	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	93.43	15.57
28 46 13 31-2210	EA	Red Retrofit Plate (System Sensor RFP)	42.74	9.35
28 46 13 31-2211	EA	White Retrofit Plate (System Sensor RFPW)	42.38	9.35
28 46 13 31-2212	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	78.55	15.57
28 46 13 31-2213	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	88.79	15.57
28 46 13 31-2214	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCRL)	61.88	15.57
28 46 13 31-2215	EA	White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCWL)	61.88	15.57
28 46 13 31-2216	EA	Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL)	53.19	15.57
28 46 13 31-2217	EA	Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL)	59.74	15.57
28 46 13 31-2218	EA	White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL)	59.74	15.57
28 46 13 31-2219	EA	White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL)	53.19	15.57
28 46 13 31-2220	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	57.04	15.57
28 46 13 31-2221	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	53.49	15.57
28 46 13 31-2222	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	19.28	6.23
28 46 13 31-2223	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	29.08	
28 46 13 31-2224	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	40.57	
28 46 13 31-2225	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	29.08	
28 46 13 31-2226	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	40.57	
28 46 13 31-2227	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	21.45	6.23
28 46 13 31-2228	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	21.45	6.23
28 46 13 31-2229	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	21.45	6.23
28 46 13 31-2230	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	21.45	6.23
28 46 13 31-2231	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	53.19	15.57
28 46 13 31-2232	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	53.19	15.57
28 46 13 31-2233	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	26.16	6.23
28 46 13 31-2234	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	26.16	6.23
28 46 13 31-2235	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	26.16	6.23
28 46 13 31-2236	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	26.16	6.23
28 46 13 31-2237	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	26.16	6.23
28 46 13 31-2238	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	26.16	6.23
28 46 13 31-2239	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	26.16	6.23
28 46 13 31-2240	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	26.16	6.23
28 46 13 31-2241	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	26.16	6.23
28 46 13 31-2242	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	26.16	6.23
28 46 13 31-2243	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.16	6.23
28 46 13 31-2244	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	26.16	6.23
28 46 13 31-2245	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	28.66	6.23
28 46 13 31-2246	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	28.66	6.23
28 46 13 31-2247	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	28.66	6.23
28 46 13 31-2248	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	28.66	6.23
28 46 13 31-2249	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	28.66	6.23
28 46 13 31-2250	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	26.16	6.23
28 46 13 31-2251	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	26.16	6.23
28 46 13 31-2252	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	26.16	6.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2253	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	26.16	6.23
28 46 13 31-2254	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	26.16	6.23
28 46 13 31-2255	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	26.16	6.23
28 46 13 31-2256	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	28.66	6.23
28 46 13 31-2257	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	28.66	6.23
28 46 13 31-2258	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	28.66	6.23
28 46 13 31-2259	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	28.66	6.23
28 46 13 31-2260	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	28.66	6.23
28 46 13 31-2261	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	26.16	6.23
28 46 13 31-2262	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	26.16	6.23
28 46 13 31-2263	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.30	
28 46 13 31-2264	EA	Control Module Barrier (System Sensor CB500)	39.17	9.35
28 46 13 31-2265	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	35.96	9.35
28 46 13 31-2266	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	43.64	9.35
28 46 13 31-2267	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	166.34	9.35
28 46 13 31-2268	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	241.95	9.35
28 46 13 31-2269	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	241.95	9.35
28 46 13 31-2270	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	29.23	9.35
28 46 13 31-2271	EA	Black Faceplate (System Sensor FP-BLACK-BP)	28.36	9.35
28 46 13 31-2272	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	28.81	9.35
28 46 13 31-2273	EA	White Faceplate (System Sensor FP-WHITE-BP)	27.35	9.35
28 46 13 31-2274	EA	White, Back Box (System Sensor SMB500-WH)	50.39	15.57
28 46 13 31-2275	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	19.91	6.23
28 46 13 31-2276	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	28.60	6.23
28 46 13 31-2277	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	30.21	9.35
28 46 13 31-2278	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	26.16	6.23
28 46 13 31-2279	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	28.66	6.23
28 46 13 31-2280	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	28.66	6.23
28 46 13 31-2281	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	28.66	6.23
28 46 13 31-2282	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	28.66	6.23
28 46 13 31-2283	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	28.66	6.23
28 46 13 31-2284	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	26.16	6.23
28 46 13 31-2285	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	26.16	6.23
28 46 13 31-2286	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	26.16	6.23
28 46 13 31-2287	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	79.03	15.57
28 46 13 31-2288	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	157.67	15.57

28 46 13 31-2289 Chimes *(28 46 13 31-1972)*

28 46 13 31-2290	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	163.14	46.73
28 46 13 31-2291	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	169.08	46.73

28 46 13 31-2292 Chime/Strobes *(28 46 13 31-1972)*

28 46 13 31-2293	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	248.26	46.73
28 46 13 31-2294	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	248.26	46.73
28 46 13 31-2295	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	250.05	46.73
28 46 13 31-2296	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	250.05	46.73

28 46 13 31-2297 Carbon Monoxide Detectors *(28 46 13 31-1972)*

28 46 13 31-2298	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	298.62	62.31
28 46 13 31-2299	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	245.88	46.73
28 46 13 31-2300	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	19.66	6.23
28 46 13 31-2301	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	370.90	46.73
28 46 13 31-2302	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	277.04	62.31
28 46 13 31-2303	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	384.00	46.73

28 46 13 31-2304 Switches *(28 46 13 31-1972)*

28 46 13 31-2305	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	226.07	24.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2306	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	252.86	24.92
28 46 13 31-2307	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	226.07	24.92
28 46 13 31-2308	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	252.86	24.92
28 46 13 31-2309	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	235.60	24.92
28 46 13 31-2310	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	220.12	24.92
28 46 13 31-2311		**Low Frequency Sounders** *(28 46 13 31-1972)*		
28 46 13 31-2312	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	219.66	46.73
28 46 13 31-2313	EA	White, Low Frequency Sounder (System Sensor HW-LF)	219.66	46.73
28 46 13 31-2314	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	202.12	46.73
28 46 13 31-2315	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	202.12	46.73
28 46 13 31-2316	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	200.63	46.73
28 46 13 31-2317	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	200.63	46.73
28 46 13 31-2318		**Sync Modules** *(28 46 13 31-1972)*		
28 46 13 31-2319	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	178.40	31.16
28 46 13 31-2320	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	175.43	31.16
28 46 13 31-2321		**Relays** *(28 46 13 31-1972)*		
28 46 13 31-2322	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	100.10	24.92
28 46 13 31-2323	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	64.62	15.57
28 46 13 31-2324	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	191.90	15.57
28 46 13 31-2325	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	140.70	15.57
28 46 13 31-2326	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	108.08	24.92
28 46 13 31-2327	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	66.76	15.57
28 46 13 31-2328	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	216.31	15.57
28 46 13 31-2329	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	161.24	15.57
28 46 13 31-2330	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	55.93	15.57
28 46 13 31-2331	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	55.93	15.57
28 46 13 31-2332	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	55.93	15.57
28 46 13 31-2333		**Remote Annunciator** *(28 46 13 31-1972)*		
28 46 13 31-2334	EA	Remote Annunciator (System Sensor RA100Z)	130.98	46.73
28 46 13 31-2335	EA	Remote LED Annunciator (System Sensor RA100ZA)	124.83	46.73
28 46 13 31-2336	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	155.51	46.73
28 46 13 31-2337		**Remote Test Station** *(28 46 13 31-1972)*		
28 46 13 31-2338	EA	Remote Test Station With Key (System Sensor RTS151KEY)	208.37	46.73
28 46 13 31-2339		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2340	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	759.25	62.31
28 46 13 31-2341		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2342		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2341)*		
28 46 13 31-2343	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	272.01	46.73
28 46 13 31-2344		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2341)*		
28 46 13 31-2345	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	272.01	46.73
28 46 13 31-2346	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	272.01	46.73
28 46 13 31-2347		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2341)*		
28 46 13 31-2348	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	175.56	46.73
28 46 13 31-2349	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	202.42	46.73
28 46 13 31-2350		**Wall Mounted Horns/Strobes** *(28 46 13 31-2341)*		
28 46 13 31-2351	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	179.38	46.73
28 46 13 31-2352	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	277.89	46.73
28 46 13 31-2353	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	244.09	46.73
28 46 13 31-2354	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	244.09	46.73
28 46 13 31-2355	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	263.33	46.73
28 46 13 31-2356	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	201.13	46.73
28 46 13 31-2357	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	198.89	46.73

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28 46 13 31-2358	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	219.43	52.96
28 46 13 31-2359	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	178.48	46.73
28 46 13 31-2360	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	178.48	46.73
28 46 13 31-2361	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	197.99	46.73
28 46 13 31-2362	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	244.09	46.73
28 46 13 31-2363	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	244.09	46.73

28 46 13 31-2364 Ceiling Mounted Strobes *(28 46 13 31-2341)*

28 46 13 31-2365	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	167.49	46.73
28 46 13 31-2366	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	167.49	46.73
28 46 13 31-2367	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	182.77	46.73
28 46 13 31-2368	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	160.76	46.73
28 46 13 31-2369	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	179.15	46.73
28 46 13 31-2370	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	180.72	46.73
28 46 13 31-2371	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	181.39	46.73
28 46 13 31-2372	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	192.00	46.73

28 46 13 31-2373 Wall Mounted Strobes *(28 46 13 31-2341)*

28 46 13 31-2374	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	255.41	46.73
28 46 13 31-2375	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	204.72	46.73
28 46 13 31-2376	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	221.27	46.73
28 46 13 31-2377	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	165.69	46.73
28 46 13 31-2378	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	165.69	46.73
28 46 13 31-2379	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	177.36	46.73
28 46 13 31-2380	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	184.89	52.96
28 46 13 31-2381	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	161.88	46.73
28 46 13 31-2382	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	161.88	46.73
28 46 13 31-2383	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	193.06	46.73
28 46 13 31-2384	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	167.71	46.73
28 46 13 31-2385	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	208.34	52.96
28 46 13 31-2386	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	206.29	46.73

28 46 13 31-2387 Ceiling Mounted Speakers/Strobes *(28 46 13 31-2341)*

28 46 13 31-2388	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	204.72	46.73
28 46 13 31-2389	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	204.72	46.73
28 46 13 31-2390	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	204.72	46.73
28 46 13 31-2391	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	206.96	46.73
28 46 13 31-2392	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	219.53	46.73
28 46 13 31-2393	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	237.02	46.73
28 46 13 31-2394	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	237.02	46.73
28 46 13 31-2395	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	208.76	46.73
28 46 13 31-2396	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	232.19	46.73
28 46 13 31-2397	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	246.47	46.73
28 46 13 31-2398	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	260.76	46.73

28 46 13 31-2399 Wall Mounted Speakers/Strobes *(28 46 13 31-2341)*

28 46 13 31-2400	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	305.40	46.73
28 46 13 31-2401	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	305.40	46.73
28 46 13 31-2402	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	219.53	46.73
28 46 13 31-2403	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	219.53	46.73
28 46 13 31-2404	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	204.72	46.73
28 46 13 31-2405	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	201.13	46.73
28 46 13 31-2406	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	219.53	46.73
28 46 13 31-2407	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	219.53	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2408	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	302.16	46.73
28 46 13 31-2409	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	206.96	46.73
28 46 13 31-2410	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	205.17	46.73
28 46 13 31-2411	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	294.88	46.73
28 46 13 31-2412	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	302.16	46.73
28 46 13 31-2413	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	237.02	46.73
28 46 13 31-2414	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	237.02	46.73
28 46 13 31-2415	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	328.38	52.96
28 46 13 31-2416	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	188.12	46.73
28 46 13 31-2417	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	181.39	46.73
28 46 13 31-2418	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	246.47	46.73
28 46 13 31-2419	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	260.76	46.73
28 46 13 31-2420	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	266.12	46.73
28 46 13 31-2421	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	275.05	46.73
28 46 13 31-2422	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	281.60	46.73
28 46 13 31-2423	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	277.43	46.73
28 46 13 31-2424	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	275.05	46.73

28 46 13 31-2425 Electric Alarm Bells *(28 46 13 31-2341)*

28 46 13 31-2426	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	199.34	46.73
28 46 13 31-2427	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	192.16	46.73
28 46 13 31-2428	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	240.16	46.73
28 46 13 31-2429	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,896.73	52.96
28 46 13 31-2430	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	3,066.67	52.96
28 46 13 31-2431	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,301.02	52.96
28 46 13 31-2432	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	158.74	46.73
28 46 13 31-2433	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	217.30	46.73
28 46 13 31-2434	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	161.43	46.73
28 46 13 31-2435	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	215.22	46.73

28 46 13 31-2436 Horns *(28 46 13 31-2341)*

28 46 13 31-2437	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	158.18	46.73
28 46 13 31-2438	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	133.48	46.73
28 46 13 31-2439	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	133.48	46.73
28 46 13 31-2440	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	134.47	46.73
28 46 13 31-2441	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	134.47	46.73
28 46 13 31-2442	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	117.87	46.73
28 46 13 31-2443	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	117.87	46.73
28 46 13 31-2444	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	134.47	46.73
28 46 13 31-2445	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	161.34	46.73

28 46 13 31-2446 Speakers *(28 46 13 31-2341)*

28 46 13 31-2447	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	137.34	46.73
28 46 13 31-2448	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	137.34	46.73
28 46 13 31-2449	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	137.34	46.73
28 46 13 31-2450	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	135.37	46.73
28 46 13 31-2451	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	137.34	46.73
28 46 13 31-2452	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	137.34	46.73
28 46 13 31-2453	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	137.34	46.73
28 46 13 31-2454	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	137.34	46.73
28 46 13 31-2455	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	158.96	46.73
28 46 13 31-2456	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	158.96	46.73
28 46 13 31-2457	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	160.76	46.73
28 46 13 31-2458	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	216.71	46.73
28 46 13 31-2459	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	195.87	46.73
28 46 13 31-2460	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	299.82	46.73
28 46 13 31-2461	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	299.82	46.73
28 46 13 31-2462	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	216.71	46.73
28 46 13 31-2463	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	219.09	46.73
28 46 13 31-2464	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	195.87	46.73
28 46 13 31-2465	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	290.53	46.73
28 46 13 31-2466	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	210.16	46.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2467		**Sync Modules** *(28 46 13 31-2341)*		
28 46 13 31-2468	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	188.50	31.16
28 46 13 31-2469		**Boxes, Plates And Rings** *(28 46 13 31-2341)*		
28 46 13 31-2470	EA	4" Square, Red, Surface Backbox (Wheelock BB-R)	40.98	15.57
28 46 13 31-2471	EA	Standard 4" Square Box (Wheelock BB-STD)	40.45	15.57
28 46 13 31-2472	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC)	254.61	31.16
28 46 13 31-2473	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	254.61	31.16
28 46 13 31-2474	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	196.31	24.92
28 46 13 31-2475	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	21.26	6.23
28 46 13 31-2476	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	21.26	6.23
28 46 13 31-2477	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	51.62	15.57
28 46 13 31-2478	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	48.74	15.57
28 46 13 31-2479	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	51.62	15.57
28 46 13 31-2480	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	51.62	15.57
28 46 13 31-2481	EA	4" Square Backbox (Wheelock DBB-R)	42.82	15.57
28 46 13 31-2482	EA	Red, Surface Backbox (Wheelock IOB-R)	49.73	15.57
28 46 13 31-2483	EA	White, Surface, Backbox (Wheelock IOB-W)	49.73	15.57
28 46 13 31-2484	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	20.32	6.23
28 46 13 31-2485	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	26.22	6.23
28 46 13 31-2486	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	26.22	6.23
28 46 13 31-2487	EA	Red Retrofit Plate (Wheelock RP-R)	24.13	6.23
28 46 13 31-2488	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	42.59	6.23
28 46 13 31-2489	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	52.06	15.57
28 46 13 31-2490	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	52.69	15.57
28 46 13 31-2491	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	56.01	15.57
28 46 13 31-2492	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	27.43	6.23
28 46 13 31-2493	EA	White, Semi-Flush Plate (Wheelock SFB-W)	27.43	6.23
28 46 13 31-2494	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	45.83	15.57
28 46 13 31-2495	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	45.83	15.57
28 46 13 31-2496	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	30.05	6.23
28 46 13 31-2497	EA	Red, Weather Resistant Backbox (Wheelock WBB-R)	51.26	15.57
28 46 13 31-2498	EA	Silver, Weather Resistant Backbox (Wheelock WBB-S)	51.26	15.57
28 46 13 31-2499	EA	White, Weather Resistant Backbox (Wheelock WBB-W)	51.26	15.57
28 46 13 31-2500	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	36.87	6.23
28 46 13 31-2501	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	36.87	6.23
28 46 13 31-2502	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	36.87	6.23
28 46 13 31-2503	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	36.87	6.23
28 46 13 31-2504	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	25.51	6.23
28 46 13 31-2505	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	63.55	15.57
28 46 13 31-2506	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	58.31	15.57
28 46 13 31-2507	EA	Red Plate For RSS (Wheelock RSSCP-R)	20.32	6.23
28 46 13 31-2508	EA	White Plate For RSS (Wheelock RSSCP-W)	20.32	6.23
28 46 13 31-2509	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	21.26	6.23
28 46 13 31-2510	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	21.26	6.23
28 46 13 31-2511	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	20.72	6.23
28 46 13 31-2512	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	155.35	6.23
28 46 13 31-2513	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	139.28	6.23
28 46 13 31-2514	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	136.90	6.23
28 46 13 31-2515	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	139.28	6.23
28 46 13 31-2516	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	23.60	6.23
28 46 13 31-2517	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	22.89	6.23
28 46 13 31-2518	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	24.14	6.23
28 46 13 31-2519	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	24.14	6.23
28 46 13 31-2520	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	22.89	6.23
28 46 13 31-2521	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	24.02	6.23
28 46 13 31-2522	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	24.02	6.23
28 46 13 31-2523	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	22.89	6.23
28 46 13 31-2524	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	22.89	6.23
28 46 13 31-2525	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	31.94	6.23
28 46 13 31-2526	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	32.30	6.23
28 46 13 31-2527	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	25.51	6.23
28 46 13 31-2528	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	24.14	6.23
28 46 13 31-2529	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	25.51	6.23
28 46 13 31-2530	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	63.55	15.57
28 46 13 31-2531	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	58.31	15.57
28 46 13 31-2532	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	58.31	15.57
28 46 13 31-2533		**Manual Pull Station** *(28 46 13 31-2341)*		
28 46 13 31-2534	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	137.40	31.16
28 46 13 31-2535	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	137.40	31.16
28 46 13 31-2536	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,196.17	31.16
28 46 13 31-2537		**Potter Fire Alarm** *(28 46 13 31)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2538		**Electric Alarm Bells** *(28 46 13 31-2537)*		
28 46 13 31-2539	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	132.38	46.73
28 46 13 31-2540	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	144.67	46.73
28 46 13 31-2541	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	150.81	46.73
28 46 13 31-2542	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	132.38	46.73
28 46 13 31-2543	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	144.67	46.73
28 46 13 31-2544	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	150.81	46.73
28 46 13 31-2545	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	142.81	46.73
28 46 13 31-2546	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	148.71	46.73
28 46 13 31-2547	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	183.45	46.73
28 46 13 31-2548	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	134.15	46.73
28 46 13 31-2549	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	148.71	46.73
28 46 13 31-2550	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	160.88	46.73
28 46 13 31-2551		**Manual Pull Station** *(28 46 13 31-2537)*		
28 46 13 31-2552	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	97.14	31.16
28 46 13 31-2553	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	102.72	31.16
28 46 13 31-2554	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	165.53	31.16
28 46 13 31-2555	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	106.19	31.16
28 46 13 31-2556	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	100.30	31.16
28 46 13 31-2557	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	185.17	31.16
28 46 13 31-2558	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	232.01	31.16
28 46 13 31-2559		**Fire Alarm Terminal Cabinets** *(28 46 13 31)*		
28 46 13 31-2560	EA	18 Point Lockable Fire Alarm Terminal Cabinet	255.97	62.41
28 46 13 31-2561	EA	32 Point Lockable Fire Alarm Terminal Cabinet	334.68	62.41
28 46 13 31-2562	EA	64 Point Lockable Fire Alarm Terminal Cabinet	492.08	62.41
28 46 13 31-2563	EA	128 Point Lockable Fire Alarm Terminal Cabinet	649.43	62.41
28 46 13 31-2564		**Bosch Fire Alarm Equipment** *(28 46 13 31)*		
28 46 13 31-2565	EA	Fire (Red) Keypad (Bosch D1255RB)	431.84	62.41
28 46 13 31-2566	EA	Fire Alarm Communication Alarm Panel (Bosch D7412GV4)	1,004.78	249.65
28 46 13 31-2567	EA	Fire Alarm (Red) Enclosure (Bosch D8109)	254.88	46.80
28 46 13 31-2568	EA	Dual Phone Line Switcher (Bosch D928)	198.78	24.96
28 46 13 31-2569	EA	Phone Cords (Bosch D161/D162)	24.89	6.24
28 46 13 31-2570	EA	Dual battery Harness (Bosch D122)	29.73	6.24
28 46 13 31-2571	EA	Battery Charging Module (Bosch D8132)	240.75	24.96
28 46 13 31-2572	EA	7 AH, 12 Volt Battery (Bosch D126)	80.06	15.60
28 46 13 31-2573	EA	Transformer (Bosch D1640)	33.88	6.24
28 46 13 31-2574	EA	Transformer Kit (Bosch D8004)	111.79	12.49
28 46 13 31-2575	EA	Phone Jack, Modular (Bosch D166/RJ31X)	24.89	6.24
28 46 13 31-2576		**Test And Certification Of Fire Alarm System To Tie In To Existing Systems** *(28 46 13 31)*		
28 46 13 31-2577	DAY	Test And Certification Of Fire Alarm System To Tie Into Existing Systems	990.88	
28 46 13 31-2578	HR	Test And Certification Of Fire Alarm System To Tie In To Existing Systems	309.65	
28 46 13 31-2579		**Programming Of Existing Fire Alarm System** *(28 46 13 31)*		
28 46 13 31-2580	HR	Programming Of Existing Fire Alarm System	371.58	
28 46 13 31-2581		**Removal And Reinstallation Of Smoke Detector** *(28 46 13 31)*		
		Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2582	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	174.48	
28 46 13 31-2583	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	140.20	
28 46 13 31-2584		**Kidde Fire Safety Equipment** *(28 46 13 31)*		
28 46 13 31-2585		**Smoke Detectors** *(28 46 13 31-2584)*		
28 46 13 31-2586	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	162.19	46.73
28 46 13 31-2587	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	142.81	46.73
28 46 13 31-2588	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	132.48	46.73
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		**Protectowire Fire Alarm** *(28 46 31 11)*		
28 46 31 11-0002		**Linear Heat Detector Cable** *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	5.80	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	6.28	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.28	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M)	6.77	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	7.36	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	7.85	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	72.74	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	28.76	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	9.63	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	9.63	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	10.69	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	16.68	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	17.32	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.65	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.24	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	9.88	

28 46 41 Fire-Alarm Notification Appliances *(28 46)*

28 46 41 11 Audible Fire-Alarm Notification Appliances *(28 46 41)*

See CSI section 28 46 13 31-0000 for fire alarm speakers.

28 46 41 31 Combination Fire-Alarm Notification Appliances *(28 46 41)*

See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.

28 47 Mass Notification *(28 40)*

28 47 15 Mass Notification Control Panels *(28 47)*

28 47 15 00-0001 Central Station Controls *(28 47 15)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	955.97	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,554.24	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,554.65	
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,421.23	31.16
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,239.14	31.16
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	790.30	31.16
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	847.77	31.16

28 47 17 Notification Devices and Methods *(28 47)*

28 47 17 17 Notification Appliances and Methods Public Methods *(28 47 17)*

28 47 17 17-0001 Voice Capable Omni-Directional Speakers *(28 47 17 17)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,423.89	802.00
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,389.56	836.86
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,318.52	871.74
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	22,247.49	906.61
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	25,249.87	941.47
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,270.94	976.35
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	33,236.62	1,011.22
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	36,801.78	1,046.08
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	39,730.75	1,080.95
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	42,696.41	1,115.83
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	29,169.83	976.35
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	31,071.09	1,011.22
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	561.21	31.16
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,166.66	31.16
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,166.66	31.16
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	1,958.67	31.16
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,897.50	31.16
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	518.35	31.16
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	664.80	31.16
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	691.00	31.16
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,086.00	31.16
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,374.65	31.16
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,374.65	31.16
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,374.65	31.16
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	847.77	31.16
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	588.08	31.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	425.47	31.16
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	321.88	31.16
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG)	227.42	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	45.54	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	172.45	31.16
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,111.39	46.73
28 47 17 17-0034	EA	WPS And OA Series, Roof Top Mounted (Whelen RTM)	10,519.39	767.13
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,374.59	186.94
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,222.29	46.73
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,222.29	46.73
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,222.29	46.73
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,222.29	46.73
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,222.29	46.73
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	841.23	46.73
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	841.23	46.73
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	841.23	46.73
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	656.67	46.73
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	656.67	46.73
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	656.67	46.73
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	656.67	46.73
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	656.67	46.73
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	861.23	31.16
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	696.95	31.16
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	696.95	31.16
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	417.02	46.73
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	573.13	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	968.43	31.16
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	483.82	31.16
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	172.45	31.16
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	957.72	31.16

28 47 17 17-0058 Tone Only, Omni-Alert Sirens *(28 47 17 17)*

28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	10,849.73	767.13
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,546.24	802.00
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,218.28	836.86
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	18,951.48	871.74
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	309.45	31.16
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	561.21	31.16
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,166.66	31.16
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,166.66	31.16
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	1,958.67	31.16
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,897.50	31.16
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	451.67	31.16
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	681.38	31.16
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	708.30	31.16
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,374.65	31.16
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,374.65	31.16
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,374.65	31.16
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,374.65	31.16
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	847.77	31.16
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	425.47	31.16
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	483.82	31.16
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	257.58	31.16
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,374.59	186.94
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	984.11	46.73

28 47 17 17-0082 Tone-Only Rotating Directional Speakers *(28 47 17 17)*

28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	22,492.18	906.61
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,855.12	941.47
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	302.83	31.16
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	574.94	31.16
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,166.66	31.16
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,166.66	31.16
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	1,958.67	31.16
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,897.50	31.16
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	451.67	31.16
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	667.92	31.16
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	708.30	31.16
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,374.65	31.16
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,374.65	31.16
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,374.65	31.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,374.65	31.16
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	847.77	31.16
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	495.41	31.16
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	425.47	31.16
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	257.58	31.16
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	681.38	31.16
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,374.59	186.94
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	984.11	46.73
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,605.99	

28 47 17 17-0106 Uni-Directional Rotating Speakers *(28 47 17 17)*

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,353.72	802.00
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	302.83	31.16
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	574.94	31.16
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,166.66	31.16
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,166.66	31.16
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	1,958.67	31.16
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,897.50	31.16
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	462.38	31.16
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	651.71	31.16
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	691.00	31.16
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,374.65	31.16
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,374.65	31.16
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,374.65	31.16
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,374.65	31.16
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	847.77	31.16
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	483.82	31.16
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	425.47	31.16
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	257.58	31.16
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,374.59	186.94
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	687.43	31.16
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	984.11	46.73

28 47 17 17-0128 All Hazard In-Plant Personnel Warning System *(28 47 17 17)*

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,181.51	997.02
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	8,715.39	1,121.65
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	430.44	46.73
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	411.39	46.73
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	792.41	46.73
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	538.79	46.73
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	1,096.04	46.73
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,733.14	52.96
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	695.96	46.73
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,089.46	52.96
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	257.58	31.16

28 47 17 17-0140 Firehouse Siren *(28 47 17 17)*

28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	302.83	31.16
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	451.67	31.16
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	667.92	31.16
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	691.00	31.16
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,374.65	31.16
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,374.65	31.16
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,374.65	31.16
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,374.65	31.16
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	425.47	31.16
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	257.58	31.16
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280)	4,374.59	186.94
		Note: Two 80 watt panels, with brackets and solar regulator.		

28 47 17 17-0152 Alert Monitor And Message Display *(28 47 17 17)*

28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	1,983.14	31.16
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	1,983.14	31.16
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	1,983.14	31.16
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	1,983.14	31.16
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	268.50	46.73
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	75.41	31.16
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	169.08	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	265.53	

28 47 17 17-0161 Portable Test Set *(28 47 17 17)*

28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	7,989.19	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	7,989.19	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	7,989.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0165		Replacement Warning Lights *(28 47 17 17)*		
28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	423.57	49.85
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	423.57	49.85
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	423.57	49.85
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	423.57	49.85
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	423.57	49.85
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	455.72	49.85
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	294.97	49.85
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	450.96	49.85
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	450.96	49.85
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	450.96	49.85
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	423.57	49.85
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	423.57	49.85
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	423.57	49.85
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	423.57	49.85
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	423.57	49.85
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	474.77	49.85
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	474.77	49.85
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	306.88	49.85
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	306.88	49.85
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	306.88	49.85
28 47 17 17-0186		Antenna *(28 47 17 17)*		
28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	308.36	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	276.90	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,102.44	
28 49		**Electronic Personal Protection Systems** *(28 40)*		
28 49 11		**Electronic Personal Safety Detection Systems** *(28 49)*		
28 49 11 00-0001		Personnel Alarm Locating System *(28 49 11)* Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	23,832.16	1,000.22
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	189.21	
28 49 11 00-0004	EA	Lapel Reader	72.77	
28 49 11 00-0005	EA	IR Locator	264.08	37.45
28 49 11 00-0006	EA	Repeaters And Receivers	642.62	124.83
28 49 17		**Electronic Personal Safety Emergency Aid Devices** *(28 49)*		
28 49 17 00-0001		Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*		
28 49 17 00-0002		Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	342.38	74.90
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	406.32	87.38
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	409.37	87.38
28 49 17 00-0006		Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	252.37	46.80
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	246.17	37.45
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	113.32	37.45
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	199.00	37.45
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	229.63	37.45
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	261.42	37.45
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	363.61	37.45
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	407.58	37.45
28 49 17 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	151.76	37.45
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	224.78	37.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	295.28	37.45
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	317.78	12.49
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	231.30	37.45
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	273.47	37.45
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	465.60	37.45
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	219.71	37.45
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	268.51	12.49
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	415.66	12.49
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	424.71	12.49
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	559.84	12.49

END OF SECTION 28

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	714.50
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	1,120.97
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	964.74

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand	35.90
		For Up To 8, Add	*7.18*
		For >8 To 16, Add	*3.59*
		For >48 To 64, Deduct	*-2.64*
		For >64 To 96, Deduct	*-4.44*
		For >96, Deduct	*-6.23*
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand	42.45
		For Up To 8, Add	*8.49*
		For >8 To 16, Add	*4.25*
		For >48 To 64, Deduct	*-2.97*
		For >64 To 96, Deduct	*-5.09*
		For >96, Deduct	*-7.21*
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	58.17
		For Up To 8, Add	*11.63*
		For >8 To 16, Add	*5.82*
		For >48 To 64, Deduct	*-3.75*
		For >64 To 96, Deduct	*-6.66*
		For >96, Deduct	*-9.57*
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand	52.28
		For Up To 8, Add	*10.46*
		For >8 To 16, Add	*5.23*
		For >48 To 64, Deduct	*-3.46*
		For >64 To 96, Deduct	*-6.07*
		For >96, Deduct	*-8.69*
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand	92.90
		For Up To 8, Add	*18.58*
		For >8 To 16, Add	*9.29*
		For >48 To 64, Deduct	*-5.49*
		For >64 To 96, Deduct	*-10.14*
		For >96, Deduct	*-14.78*
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt	38.61
		For Up To 8, Add	*7.72*
		For >8 To 16, Add	*3.86*
		For >48 To 64, Deduct	*-2.78*
		For >64 To 96, Deduct	*-4.71*
		For >96, Deduct	*-6.64*
31 05 13 00-0008	CY	Lime Rock Screening	42.10
		For Up To 8, Add	*8.42*
		For >8 To 16, Add	*4.21*
		For >48 To 64, Deduct	*-2.95*
		For >64 To 96, Deduct	*-5.06*
		For >96, Deduct	*-7.16*
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	42.10
		For Up To 8, Add	*8.42*
		For >8 To 16, Add	*4.21*
		For >48 To 64, Deduct	*-2.95*
		For >64 To 96, Deduct	*-5.06*
		For >96, Deduct	*-7.16*
31 05 13 00-0010	CY	Sand/Clay	39.62
		For Up To 8, Add	*7.92*
		For >8 To 16, Add	*3.96*
		For >48 To 64, Deduct	*-2.83*
		For >64 To 96, Deduct	*-4.81*
		For >96, Deduct	*-6.79*
31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.72
		For Up To 8, Add	*7.54*
		For >8 To 16, Add	*3.77*
		For >48 To 64, Deduct	*-2.73*
		For >64 To 96, Deduct	*-4.62*
		For >96, Deduct	*-6.50*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0012	CY	Pitrun Clay	54.12	
		For Up To 8, Add	*10.82*	
		For >8 To 16, Add	*5.41*	
		For >48 To 64, Deduct	*-3.55*	
		For >64 To 96, Deduct	*-6.26*	
		For >96, Deduct	*-8.96*	
31 05 13 00-0013	CY	Light Clay / Loam	44.77	
		For Up To 8, Add	*8.95*	
		For >8 To 16, Add	*4.48*	
		For >48 To 64, Deduct	*-3.08*	
		For >64 To 96, Deduct	*-5.32*	
		For >96, Deduct	*-7.56*	
31 05 13 00-0014	CY	Heavy Clay	54.12	
		For Up To 8, Add	*10.82*	
		For >8 To 16, Add	*5.41*	
		For >48 To 64, Deduct	*-3.55*	
		For >64 To 96, Deduct	*-6.26*	
		For >96, Deduct	*-8.96*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	56.43	
		For Up To 8, Add	*11.29*	
		For >8 To 16, Add	*5.64*	
		For >48 To 64, Deduct	*-3.67*	
		For >64 To 96, Deduct	*-6.49*	
		For >96, Deduct	*-9.31*	
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	58.75	
		For Up To 8, Add	*11.75*	
		For >8 To 16, Add	*5.88*	
		For >48 To 64, Deduct	*-3.78*	
		For >64 To 96, Deduct	*-6.72*	
		For >96, Deduct	*-9.66*	
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	56.43	
		For Up To 8, Add	*11.29*	
		For >8 To 16, Add	*5.64*	
		For >48 To 64, Deduct	*-3.67*	
		For >64 To 96, Deduct	*-6.49*	
		For >96, Deduct	*-9.31*	
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	60.43	
		For Up To 8, Add	*12.09*	
		For >8 To 16, Add	*6.04*	
		For >48 To 64, Deduct	*-3.87*	
		For >64 To 96, Deduct	*-6.89*	
		For >96, Deduct	*-9.91*	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	62.78	
		For Up To 8, Add	*12.56*	
		For >8 To 16, Add	*6.28*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-7.12*	
		For >96, Deduct	*-10.26*	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	60.79	
		For Up To 8, Add	*12.16*	
		For >8 To 16, Add	*6.08*	
		For >48 To 64, Deduct	*-3.88*	
		For >64 To 96, Deduct	*-6.92*	
		For >96, Deduct	*-9.96*	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (3/8" To 1")	64.90	
		For Up To 8, Add	*12.98*	
		For >8 To 16, Add	*6.49*	
		For >48 To 64, Deduct	*-4.09*	
		For >64 To 96, Deduct	*-7.34*	
		For >96, Deduct	*-10.58*	
31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	58.62	
		For Up To 8, Add	*11.72*	
		For >8 To 16, Add	*5.86*	
		For >48 To 64, Deduct	*-3.78*	
		For >64 To 96, Deduct	*-6.71*	
		For >96, Deduct	*-9.64*	
31 05 16 00-0010	CY	#7 Stone Aggregate Fill (3/8" To 1/2")	59.76	
		For Up To 8, Add	*11.95*	
		For >8 To 16, Add	*5.98*	
		For >48 To 64, Deduct	*-3.83*	
		For >64 To 96, Deduct	*-6.82*	
		For >96, Deduct	*-9.81*	
31 05 16 00-0011	CY	#78 Stone Aggregate Fill (3/32" To 1/2")	60.26	
		For Up To 8, Add	*12.05*	
		For >8 To 16, Add	*6.03*	
		For >48 To 64, Deduct	*-3.86*	
		For >64 To 96, Deduct	*-6.87*	
		For >96, Deduct	*-9.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0012	CY	#8 Stone Aggregate Fill (3/32" To 3/8")	62.78	
		For Up To 8, Add	*12.56*	
		For >8 To 16, Add	*6.28*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-7.12*	
		For >96, Deduct	*-10.26*	
31 05 16 00-0013	CY	#89 Stone Aggregate Fill (1/16" To 3/8")	63.49	
		For Up To 8, Add	*12.70*	
		For >8 To 16, Add	*6.35*	
		For >48 To 64, Deduct	*-4.02*	
		For >64 To 96, Deduct	*-7.19*	
		For >96, Deduct	*-10.37*	
31 05 16 00-0014	CY	#9 Stone Aggregate Fill (3/32" To 3/16")	62.78	
		For Up To 8, Add	*12.56*	
		For >8 To 16, Add	*6.28*	
		For >48 To 64, Deduct	*-3.98*	
		For >64 To 96, Deduct	*-7.12*	
		For >96, Deduct	*-10.26*	
31 05 16 00-0015	CY	#10 Stone Aggregate Fill (1/16" To 3/16")	64.24	
		For Up To 8, Add	*12.85*	
		For >8 To 16, Add	*6.42*	
		For >48 To 64, Deduct	*-4.06*	
		For >64 To 96, Deduct	*-7.27*	
		For >96, Deduct	*-10.48*	
31 05 16 00-0016	CY	#610 Modified Stone Aggregate Fill (1/16" To 3/4")	63.49	
		For Up To 8, Add	*12.70*	
		For >8 To 16, Add	*6.35*	
		For >48 To 64, Deduct	*-4.02*	
		For >64 To 96, Deduct	*-7.19*	
		For >96, Deduct	*-10.37*	
31 05 16 00-0017	CY	Screenings Stone Aggregate Fill (3/16" Max)	53.18	
		For Up To 8, Add	*10.64*	
		For >8 To 16, Add	*5.32*	
		For >48 To 64, Deduct	*-3.50*	
		For >64 To 96, Deduct	*-6.16*	
		For >96, Deduct	*-8.82*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	57.84	
		For Up To 8, Add	*11.57*	
		For >8 To 16, Add	*5.78*	
		For >48 To 64, Deduct	*-3.74*	
		For >64 To 96, Deduct	*-6.63*	
		For >96, Deduct	*-9.52*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	57.84	
		For Up To 8, Add	*11.57*	
		For >8 To 16, Add	*5.78*	
		For >48 To 64, Deduct	*-3.74*	
		For >64 To 96, Deduct	*-6.63*	
		For >96, Deduct	*-9.52*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	62.50	
		For Up To 8, Add	*12.50*	
		For >8 To 16, Add	*6.25*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-7.10*	
		For >96, Deduct	*-10.22*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	65.82	
		For Up To 8, Add	*13.16*	
		For >8 To 16, Add	*6.58*	
		For >48 To 64, Deduct	*-4.14*	
		For >64 To 96, Deduct	*-7.43*	
		For >96, Deduct	*-10.72*	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	36.96	
		For Up To 8, Add	*7.39*	
		For >8 To 16, Add	*3.70*	
		For >48 To 64, Deduct	*-2.69*	
		For >64 To 96, Deduct	*-4.54*	
		For >96, Deduct	*-6.39*	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	40.62	
		For Up To 8, Add	*8.12*	
		For >8 To 16, Add	*4.06*	
		For >48 To 64, Deduct	*-2.88*	
		For >64 To 96, Deduct	*-4.91*	
		For >96, Deduct	*-6.94*	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	38.25	
		For Up To 8, Add	*7.65*	
		For >8 To 16, Add	*3.83*	
		For >48 To 64, Deduct	*-2.76*	
		For >64 To 96, Deduct	*-4.67*	
		For >96, Deduct	*-6.58*	
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	64.69	
		For Up To 8, Add	*12.94*	
		For >8 To 16, Add	*6.47*	
		For >48 To 64, Deduct	*-4.08*	
		For >64 To 96, Deduct	*-7.31*	
		For >96, Deduct	*-10.55*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,989.01
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,255.16
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	10,652.02
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,758.60
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	14,646.52
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,637.90
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	21,304.03
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	7,893.06
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	358.13
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	739.52
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,046.41
31 11 00 00-0013	ACR	Chipping - Light Brush	2,841.04
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,652.95
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,114.60

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0048 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.30
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.77
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	44.19
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	34.72

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	665.75
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	998.63
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,331.50
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,997.25
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,663.00
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,328.76
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-832.19*
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,994.51
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-998.63*
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	5,326.01
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,331.50*

31 13 13 00-0010 Stump Removal *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0011 Stump Removal By Machine *(31 13 13 00-0010)*

31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	112.76
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	216.12
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	281.90
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	422.85
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	498.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	586.34	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	695.35	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	817.50	
31 13 13 00-0020		**Stump Removal By Hand** *(31 13 13 00-0010)*		
31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	692.77	
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	865.96	
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,270.08	
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,731.92	
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,309.23	
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,886.53	
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,463.83	
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	4,041.14	
31 13 13 00-0029		**Stump Grinding** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0030		**Stump Grinding, 18" Deep Below Surface Of Soil** *(31 13 13 00-0029)* Note: Level soil to match existing surface area.		
31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	133.08	
		For 24" Depth, Add	*26.62*	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree	166.35	
		For 24" Depth, Add	*33.27*	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree	199.62	
		For 24" Depth, Add	*39.92*	
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree	221.80	
		For 24" Depth, Add	*44.36*	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree	238.44	
		For 24" Depth, Add	*47.69*	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree	255.07	
		For 24" Depth, Add	*51.01*	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree	277.25	
		For 24" Depth, Add	*55.45*	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree	302.38	
		For 24" Depth, Add	*60.48*	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree	335.98	
		For 24" Depth, Add	*67.20*	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree	369.58	
		For 24" Depth, Add	*73.92*	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree	403.18	
		For 24" Depth, Add	*80.64*	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree	447.97	
		For 24" Depth, Add	*89.59*	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree	559.97	
		For 24" Depth, Add	*111.99*	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree	699.97	
		For 24" Depth, Add	*139.99*	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree	895.96	
		For 24" Depth, Add	*179.19*	
31 13 13 00-0046		**Shrub Removal** *(31 13 13)*		
31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	50.73	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	79.56	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	92.24	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	138.37	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	25.36	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	39.20	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	50.73	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	55.34	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	50.73	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	55.34	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	79.56	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	138.36	

31 13 13 00-0059 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

	31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	532.60	
			For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-133.15*	
			For >25, Deduct	*-66.58*	
	31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	798.90	
			For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-199.73*	
			For >25, Deduct	*-99.86*	
	31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,065.20	
			For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-266.30*	
			For >10, Deduct	*-106.52*	
	31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,597.80	
			For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-399.45*	
			For >10, Deduct	*-159.78*	
	31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,130.40	
			For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-532.60*	
			For >10, Deduct	*-213.04*	
	31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,663.00	
			For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-665.75*	
			For >10, Deduct	*-266.30*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

	31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.20	
	31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.30	
	31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.88	

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

	31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge	805.49	
	31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	20.14	
	31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	22.65	
	31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	27.69	
	31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	25.18	
	31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	28.31	
	31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	34.61	

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.21
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.10
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.15
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.96

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi Grade, 2 Passes With Grader	449.66
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	624.53

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	11.95
		For Excavation In Light Material (Class A), Deduct	*-1.49*
		For Excavation In Heavy/Wet Material (Class C), Add	*4.78*
		For Up To 20, Add	*11.95*
		For >20 To 50, Add	*8.96*
		For >50 To 250, Add	*4.78*
		For >250 To 500, Add	*1.79*
		For >1,000, Deduct	*-1.79*
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.73
		For Excavation In Light Material (Class A), Deduct	*-0.97*
		For Excavation In Heavy/Wet Material (Class C), Add	*3.09*
		For Up To 20, Add	*7.73*
		For >20 To 50, Add	*5.80*
		For >50 To 250, Add	*3.09*
		For >250 To 500, Add	*1.16*
		For >1,000, Deduct	*-1.16*
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	19.78
		Note: Includes compacted aggregate	
		For Up To 20, Add	*19.78*
		For >20 To 50, Add	*14.84*
		For >50 To 250, Add	*7.91*
		For >250 To 500, Add	*2.97*
		For >1,000, Deduct	*-2.97*
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	13.72
		Note: Includes compacted aggregate	
		For Up To 20, Add	*13.72*
		For >20 To 50, Add	*10.29*
		For >50 To 250, Add	*5.49*
		For >250 To 500, Add	*2.06*
		For >1,000, Deduct	*-2.06*

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	145.81
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	250.11
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.31
		For Up To 20, Add	*4.31*
		For >20 To 50, Add	*3.23*
		For >50 To 250, Add	*1.72*
		For >250 To 500, Add	*0.65*
		For >1,000, Deduct	*-0.65*
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	40.51

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	8.45	
		For Up To 20, Add	*8.45*	
		For >20 To 50, Add	*6.34*	
		For >50 To 250, Add	*3.38*	
		For >250 To 500, Add	*1.27*	
		For >1,000, Deduct	*-1.27*	
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	45.69	
31 23 16 13-0015		**Loading Excess Material For Removal From Excavation For Trenches** *(31 23 16 13)*		
		Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0048 for hauling.		
31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.51	
		For Up To 20, Add	*7.51*	
		For >20 To 50, Add	*5.63*	
		For >50 To 250, Add	*3.00*	
		For >250 To 500, Add	*1.13*	
		For >1,000, Deduct	*-1.13*	
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	106.92	
31 23 16 13-0018		**Spread Excess Or Imported Material For Trenches** *(31 23 16 13)*		
		Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	3.51	
		For Up To 20, Add	*3.51*	
		For >20 To 50, Add	*2.63*	
		For >50 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.53*	
		For >1,000, Deduct	*-0.53*	
31 23 16 13-0020		**Direct Burial (Plowed-in) Cable Or Piping By Machine** *(31 23 16 13)*		
		Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	2.58	
31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.84	
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.05	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.56	
31 23 16 13-0025		**Utility Chain Trencher** *(31 23 16 13)*		
31 23 16 13-0026		**Utility Trench, Chain Trencher** *(31 23 16 13-0025)*		
		Note: Earth left adjacent to trench.		
31 23 16 13-0027	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.45	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.22*	
		For >500, Deduct	*-0.44*	
31 23 16 13-0028	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.59	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.48*	
31 23 16 13-0029	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.65	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.50*	
31 23 16 13-0030	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.74	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.52*	
31 23 16 13-0031	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.90	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.57*	
31 23 16 13-0032	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.17	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.65*	
31 23 16 13-0033	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.60	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.78*	
31 23 16 13-0034	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.46	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.74*	
31 23 16 13-0035	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.89	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.87*	
31 23 16 13-0036	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.28	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0037	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	3.90	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-1.17*	

31 23 16 13-0038 Backfill Trenches With Compaction *(31 23 16 13-0025)*

31 23 16 13-0039	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.22	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.07*	
31 23 16 13-0040	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.35	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0041	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.47	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0042	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.35	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0043	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.47	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0044	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.71	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.21*	
31 23 16 13-0045	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.01	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.30*	
31 23 16 13-0046	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.47	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0047	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.71	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.21*	
31 23 16 13-0048	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.94	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.14*	
		For >500, Deduct	*-0.28*	
31 23 16 13-0049	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.41	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.21*	
		For >500, Deduct	*-0.42*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.55
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.87
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	14.07
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	15.83
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	17.27
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	19.00
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	21.10
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	23.75
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	27.14
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	31.66
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	37.99
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	47.48

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	80.29
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	21.87

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	5.93
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	7.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	8.35	
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	9.46	
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	13.24	
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	17.67	
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	21.56	
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	25.07	
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	33.73	
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	41.44	
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	48.89	
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	56.59	
31 23 16 16-0032		Grout Fill *(31 23 16 16-0018)*		
31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.15	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.23	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	9.99	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.09	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	15.38	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	20.54	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	24.97	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	28.89	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	38.17	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	46.18	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	53.87	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	61.69	
31 23 16 16-0045		Earth Fill, Compacted *(31 23 16 16-0018)*		
31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.41	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	7.04	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.36	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.58	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	10.12	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	13.50	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	16.20	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	18.37	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	22.38	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	25.12	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	27.54	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	29.71	
31 23 16 26		**Rock Removal** *(31 23 16)*		
31 23 16 26-0001		Rock Breaking By Machine *(31 23 16 26)* Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	29.44	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	31.41	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	37.30	
31 23 16 33		**Bulk Excavation** *(31 23 16)* Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material. 31 23 16 36-0000 for For less than 500 CY excavation.		
31 23 16 33-0001		Excavation *(31 23 16 33)* Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	10.98	
		For Excavation In Light Material (Class A), Deduct	*-1.37*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.39*	
		For >1,000, Deduct	*-1.65*	
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.23	
		For Excavation In Light Material (Class A), Deduct	*-0.78*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.49*	
		For >1,000, Deduct	*-0.93*	
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	13.51	
		For >1,000, Deduct	*-2.03*	
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	7.68	
		For >1,000, Deduct	*-1.15*	
31 23 16 33-0006		Spreading, Shaping And Rough Grading *(31 23 16 33)* Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.78	
		For >1,000, Deduct	*-1.02*	
31 23 16 33-0008		Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*		
31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.53	
		For >1,000, Deduct	*-1.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0010		**Relocating On Site Excavated Material From Excavation** *(31 23 16 33)* Note: For bulk excavation.		
31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.02	
		For >1,000, Deduct	*-0.90*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.04	
		For >1,000, Deduct	*-1.36*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.56	
		For >1,000, Deduct	*-2.03*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	18.07	
		For >1,000, Deduct	*-2.71*	
31 23 16 33-0015		**Finish Grading For Bulk Excavation** *(31 23 16 33)*		
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.75	
31 23 16 33-0017		**Compaction Of Fill Or Subbase, Per Lift** *(31 23 16 33)* Note: For bulk excavation.		
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.76	
31 23 16 33-0019		**Loading Excess Material For Removal From Excavation** *(31 23 16 33)* Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0048 for hauling.		
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	6.22	
		For >1,000, Deduct	*-0.93*	
31 23 16 36		**Excavation for Building Foundations and Other Structures** *(31 23 16)* Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001		**Excavation** *(31 23 16 36)* Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
31 23 16 36-0002		**Excavation For Building Foundations And Other Structures By Skid-Steer Loader** *(31 23 16 36-0001)*		
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.05	
		For Excavation In Light Material (Class A), Deduct	*-1.26*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.02*	
		For Up To 20, Add	*10.05*	
		For >20 To 50, Add	*7.54*	
		For >50 To 250, Add	*4.02*	
		For >250 To 500, Add	*1.51*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	12.48	
		For Up To 20, Add	*12.48*	
		For >20 To 50, Add	*9.36*	
		For >50 To 250, Add	*4.99*	
		For >250 To 500, Add	*1.87*	
31 23 16 36-0005		**Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader** *(31 23 16 36-0001)*		
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.49	
		For Excavation In Light Material (Class A), Deduct	*-0.94*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.00*	
		For Up To 20, Add	*7.49*	
		For >20 To 50, Add	*5.62*	
		For >50 To 250, Add	*3.00*	
		For >250 To 500, Add	*1.12*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	8.91	
		For Up To 20, Add	*8.91*	
		For >20 To 50, Add	*6.68*	
		For >50 To 250, Add	*3.56*	
		For >250 To 500, Add	*1.34*	
31 23 16 36-0008		**Excavation For Building Foundations And Other Structures By Hand** *(31 23 16 36-0001)* Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	145.81	
		For Excavation In Light Material (Class A), Deduct	*-18.23*	
		For Excavation In Heavy/Wet Material (Class C), Add	*58.32*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	250.11	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0011		**Relocating On Site Excavated Stockpiled Material From Excavation** *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.02	
		For Up To 20, Add	*6.02*	
		For >20 To 50, Add	*4.52*	
		For >50 To 250, Add	*2.41*	
		For >250 To 500, Add	*0.90*	
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.04	
		For Up To 20, Add	*9.04*	
		For >20 To 50, Add	*6.78*	
		For >50 To 250, Add	*3.62*	
		For >250 To 500, Add	*1.36*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.56	
		For Up To 20, Add	*13.56*	
		For >20 To 50, Add	*10.17*	
		For >50 To 250, Add	*5.42*	
		For >250 To 500, Add	*2.03*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	18.07	
		For Up To 20, Add	*18.07*	
		For >20 To 50, Add	*13.55*	
		For >50 To 250, Add	*7.23*	
		For >250 To 500, Add	*2.71*	
31 23 16 36-0016		**Backfilling** *(31 23 16 36)* Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	4.95	
		For Up To 20, Add	*4.95*	
		For >20 To 50, Add	*3.71*	
		For >50 To 250, Add	*1.98*	
		For >250 To 500, Add	*0.74*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.80	
		For Up To 20, Add	*5.80*	
		For >20 To 50, Add	*4.35*	
		For >50 To 250, Add	*2.32*	
		For >250 To 500, Add	*0.87*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	69.43	
31 23 16 36-0020		**Compaction Of Fill Or Subbase** *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	13.39	
		For Up To 20, Add	*13.39*	
		For >20 To 50, Add	*10.04*	
		For >50 To 250, Add	*5.36*	
		For >250 To 500, Add	*2.01*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	45.68	
31 23 16 36-0023		**Grading For Building Foundations And Other Structures** *(31 23 16 36)*		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.30	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.09	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	13.50	
31 23 16 36-0027		**Loading Excess Material For Removal From Excavation** *(31 23 16 36)* Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0048 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.47	
		For Up To 20, Add	*6.47*	
		For >20 To 50, Add	*4.85*	
		For >50 To 250, Add	*2.59*	
		For >250 To 500, Add	*0.97*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	106.92	
31 23 16 36-0030		**Spread Excess Or Imported Material And Grade On Site** *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.51	
		For Up To 20, Add	*3.51*	
		For >20 To 50, Add	*2.63*	
		For >50 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.53*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	59.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 46 Excavation Operations to Expose Underground Pipes and Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	14.97	
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	17.78	

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	182.26	
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	272.17	

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	11.23	
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	82.63	

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	16.87	
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	54.83	

31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0048 for hauling.

31 23 16 46-0015	CY	Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures	7.51	
		For Up To 20, Add	*7.51*	
		For >20 To 50, Add	*5.63*	
		For >50 To 250, Add	*3.00*	
		For >250 To 500, Add	*1.13*	
		For >1,000, Deduct	*-1.13*	
31 23 16 46-0016	CY	Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures	106.92	

31 23 16 46-0017 Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for clean-up.

31 23 16 46-0018	CY	Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures	3.51	
		For Up To 20, Add	*3.51*	
		For >20 To 50, Add	*2.63*	
		For >50 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.53*	
		For >1,000, Deduct	*-0.53*	
31 23 16 46-0019	CY	Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures	59.00	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	144.13	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	79.27	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	72.06	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	64.86	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	57.65	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	50.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 19 00-0009 **Well Point Dewatering System Rental** *(31 23 19 00-0001)*
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	4.12	
		For >5 Days And <1 Month, Deduct	*-0.91*	
		For >1 Month, Deduct	*-1.15*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	2.40	
		For >5 Days And <1 Month, Deduct	*-0.53*	
		For >1 Month, Deduct	*-0.67*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	1.72	
		For >5 Days And <1 Month, Deduct	*-0.38*	
		For >1 Month, Deduct	*-0.48*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	1.26	
		For >5 Days And <1 Month, Deduct	*-0.28*	
		For >1 Month, Deduct	*-0.35*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	1.14	
		For >5 Days And <1 Month, Deduct	*-0.25*	
		For >1 Month, Deduct	*-0.32*	

31 23 19 00-0015 **Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)*
Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	116.34	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 **Compaction Water, Water Truck And Operator** *(31 23 23 23)*

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	294.91	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 **Flowable Fill (Fly Ash) Cement Backfill For Trenches** *(31 23 23 33)*
Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	146.08	
		For Up To 20, Add	*60.30*	
		For >20 To 50, Add	*39.10*	
		For >50 To 250, Add	*19.55*	
		For >500 To 1,000, Deduct	*-10.60*	
		For >1,000, Deduct	*-21.20*	

31 23 23 43 Geofoam *(31 23 23)*

31 23 23 43-0001 **Expanded Polystyrene (EPS) Geofoam Earthwork Void Fill** *(31 23 23 43)*
Note: Excludes earthwork or backfill.

31 23 23 43-0002	CY	1.15 To 1.25 LB/CF Density, Expanded Polystyrene (EPS19) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	156.38	
		For Cutting To Shape, Add	*9.53*	
31 23 23 43-0003	CY	1.35 To 1.50 LB/CF Density, Expanded Polystyrene (EPS22) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	177.72	
		For Cutting To Shape, Add	*11.44*	
31 23 23 43-0004	CY	1.80 To 2.00 LB/CF Density, Expanded Polystyrene (EPS29) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	247.40	
		For Cutting To Shape, Add	*15.25*	
31 23 23 43-0005	CY	2.40 To 2.50 LB/CF Density, Expanded Polystyrene (EPS39) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	299.35	
		For Cutting To Shape, Add	*19.06*	
31 23 23 43-0006	CY	2.75 To 2.85 LB/CF Density, Expanded Polystyrene (EPS46) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	347.98	
		For Cutting To Shape, Add	*21.73*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 **Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)*
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.

31 24 13 00-0002 **Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.53	
		For Up To 20, Add	*7.53*	
		For >20 To 50, Add	*5.65*	
		For >50 To 250, Add	*3.01*	
		For >250 To 500, Add	*1.13*	
		For >1,000, Deduct	*-1.13*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	9.33	
		Note: Includes compacted aggregate		
		For Up To 20, Add	*9.33*	
		For >20 To 50, Add	*7.00*	
		For >50 To 250, Add	*3.73*	
		For >250 To 500, Add	*1.40*	
		For >1,000, Deduct	*-1.40*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.47	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.72	

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	6.97	
		For Up To 20, Add	*3.49*	
		For >20 To 50, Add	*1.74*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.39*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.56	
		For Up To 20, Add	*13.56*	
		For >20 To 50, Add	*10.17*	
		For >50 To 250, Add	*5.42*	
		For >250 To 500, Add	*2.03*	
		For >1,000, Deduct	*-2.03*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	18.07	
		For Up To 20, Add	*18.07*	
		For >20 To 50, Add	*13.55*	
		For >50 To 250, Add	*7.23*	
		For >250 To 500, Add	*2.71*	
		For >1,000, Deduct	*-2.71*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreadding material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.28	
		For Up To 20, Add	*8.28*	
		For >20 To 50, Add	*6.21*	
		For >50 To 250, Add	*3.31*	
		For >250 To 500, Add	*1.24*	
		For >1,000, Deduct	*-1.24*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.85	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.13	
31 24 13 00-0019	LF	Finish Grade For Curb	1.27	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.56	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.76	
		For Up To 250, Add	*0.76*	
		For >250 To 500, Add	*0.57*	
		For >500 To 1,000, Add	*0.30*	
		For >5,000, Deduct	*-0.11*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.22	
		For Up To 20, Add	*6.22*	
		For >20 To 50, Add	*4.67*	
		For >50 To 250, Add	*2.49*	
		For >250 To 500, Add	*0.93*	
		For >1,000, Deduct	*-0.93*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	64.08
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	58.76
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	54.25
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	51.67

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.59
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.67
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.40
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.59
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	3.17

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.64
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	6.32
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.84
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	4.03
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	4.31

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	14.90
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.73
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	19.32

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	5.99

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.45
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.36

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand	7.27	3.07
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.34*	
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand	9.37	3.82
		For >2,500 To 5,000, Deduct	*-0.76*	
		For >5,000, Deduct	*-1.70*	
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand	11.79	4.56
		For >2,500 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-2.09*	
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand	14.51	5.71
		For >2,500 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-2.59*	
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand	17.66	6.84
		For >2,500 To 5,000, Deduct	*-1.37*	
		For >5,000, Deduct	*-3.14*	
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand	20.56	7.78
		For >2,500 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-3.61*	
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand	160.01	53.23
		For >2,500 To 5,000, Deduct	*-9.63*	
		For >5,000, Deduct	*-25.63*	
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand	206.75	58.55
		For >2,500 To 5,000, Deduct	*-10.59*	
		For >5,000, Deduct	*-31.26*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel	6.32	2.04
		For >2,500 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-1.04*	
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel	11.41	3.07
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.76*	

31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.95	
		For Type 1, Deduct	*-4.23*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.58*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*3.13*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	30.27	
		For Type 1, Deduct	*-4.66*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.84*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*3.44*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	33.47	
		For Type 1, Deduct	*-5.28*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.21*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*3.90*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	36.20	
		For Type 1, Deduct	*-5.79*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.52*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*4.28*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.99	
		For Type 1, Deduct	*-6.07*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.69*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*4.49*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.79	
		For Type 1, Deduct	*-6.35*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.87*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*4.70*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.87	
		For Type 1, Deduct	*-6.69*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*4.95*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.72	
		For Type 1, Deduct	*-7.20*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.38*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*5.32*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.99	
		For Type 1, Deduct	*-7.57*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*5.59*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	50.03	
		For Type 1, Deduct	*-8.10*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*5.99*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.85	
		For Type 1, Deduct	*-8.58*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.22*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*6.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	55.60	
		For Type 1, Deduct	*-9.03*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.50*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*6.68*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	60.46	
		For Type 1, Deduct	*-9.97*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*7.37*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	63.40	
		For Type 1, Deduct	*-10.45*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.36*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*7.72*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	66.27	
		For Type 1, Deduct	*-10.90*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.63*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*8.05*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	69.30	
		For Type 1, Deduct	*-11.38*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*8.41*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	72.25	
		For Type 1, Deduct	*-11.83*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.20*	
		For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	*8.74*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	738.70
31 25 14 23-0033	EA	25 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,011.28
31 25 14 23-0034	EA	40 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,285.05
31 25 14 23-0035	EA	65 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,679.29

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	251.82
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	364.19
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	418.94

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	261.75
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	362.17

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	39.43	
		For Up To 500, Add	*9.13*	
		For >500 To 1,000, Add	*5.19*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	44.60	
		For Up To 500, Add	*10.28*	
		For >500 To 1,000, Add	*5.82*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	50.56	
		For Up To 500, Add	*11.60*	
		For >500 To 1,000, Add	*6.55*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	56.83	
		For Up To 500, Add	*13.02*	
		For >500 To 1,000, Add	*7.34*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	41.63	
		For Up To 500, Add	*9.57*	
		For >500 To 1,000, Add	*5.41*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	47.22	
		For Up To 500, Add	*10.80*	
		For >500 To 1,000, Add	*6.08*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	53.67	
		For Up To 500, Add	*12.23*	
		For >500 To 1,000, Add	*6.86*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	60.38	
		For Up To 500, Add	*13.73*	
		For >500 To 1,000, Add	*7.70*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0002		**Silt Fences 2' High** *(31 25 14 26-0001)*		
		See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	4.27	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	3.40	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	2.50	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.23	
31 25 14 26-0007		**Silt Fences 3' High** *(31 25 14 26-0001)*		
		See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	5.44	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.49	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.14	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.76	
31 25 14 26-0012		**Silt Dike Barrier** *(31 25 14 26-0001)*		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	5.75	
31 25 14 26-0014		**Silt Fences Removal** *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.97	
31 25 14 26-0016		**Hay And Straw Bales** *(31 25 14 26)*		
		Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterlized Straw Bales	4.45	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.		
31 25 14 26-0018	LF	Place Hay Bales	4.26	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.		
31 25 14 26-0019	LF	Removal Of Hay Or Straw Bales	1.74	
		Note: Includes removal of stakes.		
31 25 14 26-0020		**Sediment Logs (Degradable)** *(31 25 14 26)*		
31 25 14 26-0021		**Sediment Logs (Degradable)** *(31 25 14 26-0020)*		
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF	9" Sediment Fiber Roll Log	7.70	
31 25 14 26-0023	LF	12" Sediment Fiber Roll Log	8.96	
31 25 14 26-0024	LF	20" Sediment Fiber Roll Log	14.21	
31 25 14 26-0025		**Wattles (Degradable) With UV Stabilizied Synthetic Netting** *(31 25 14 26-0020)*		
		Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	143.13	
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	151.77	
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	167.25	
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	191.74	
31 25 14 26-0030		**Fiber Roll (CALTRANS Type 1)** *(31 25 14 26)*		
		Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0031	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.50	
		For >1,000 To 10,000, Deduct	*-0.86*	
		For >10,000, Deduct	*-1.45*	
31 25 14 26-0032	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.89	
		For >1,000 To 10,000, Deduct	*-0.88*	
		For >10,000, Deduct	*-1.48*	
31 25 14 26-0033	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	10.62	
		For >1,000 To 10,000, Deduct	*-1.06*	
		For >10,000, Deduct	*-1.81*	
31 25 14 26-0034		**Fiber Roll (CALTRANS Type 2)** *(31 25 14 26)*		
		Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0035	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.03	
		For >1,000 To 10,000, Deduct	*-0.64*	
		For >10,000, Deduct	*-1.09*	
31 25 14 26-0036	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.61	
		For >1,000 To 10,000, Deduct	*-0.69*	
		For >10,000, Deduct	*-1.16*	
31 25 14 26-0037	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	8.67	
		For >1,000 To 10,000, Deduct	*-0.77*	
		For >10,000, Deduct	*-1.32*	
31 25 14 26-0038		**Inlet Protection Sediment Bags** *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0039	EA	2' x 2' x 3' Inlet Protection Sediment Bag	91.22	
31 25 14 26-0040	EA	2' x 3' x 3' Inlet Protection Sediment Bag	106.90	
31 25 14 26-0041	EA	2' x 4' x 3' Inlet Protection Sediment Bag	116.81	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0042				Clean Sediment Logs/Wattles *(31 25 14 26)*		
				Note: Includes removal, cleaning, and replacement per each location.		
	31 25 14 26-0043		EA	Clean Sediment Logs/Wattles	97.21	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	1.05	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.45	

31 31 16 13-0004 Residential Use *(31 31 16 13)*

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.39	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.50	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant	33.40	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct	*-0.51*	
		For >90 To 225, Deduct	*-2.69*	
		For >225, Deduct	*-3.70*	

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	38.55	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	43.37	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	51.31	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	59.14	

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	35.34	
31 32 13 19-0003	TON	Cement Stabilized Base Material	74.96	
31 32 13 19-0004	CWT	Lime For Soil Stabilization	10.99	
		Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	18.96	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.42	

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	9.43	
		For 4% Lime Instead Of 5%, Deduct	*-0.20*	
		For 6% Lime Instead Of 5%, Add	*0.20*	
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	10.96	
		For 4% Lime Instead Of 5%, Deduct	*-0.23*	
		For 6% Lime Instead Of 5%, Add	*0.23*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	12.51	
		For 4% Lime Instead Of 5%, Deduct	*-0.26*	
		For 6% Lime Instead Of 5%, Add	*0.26*	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.40	
31 32 13 29-0002	GAL	Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil)	10.41	
		Note: GTL (Gas-to-Liquid)		
31 32 13 29-0003	GAL	Biodegradable, Liquid Copolymer Dust Suppression Fluid (Soil Works Gorrila-Snot)	5.01	

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CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

31 32 16 Chemical Treatment Soil Stabilization *(31 32)*

31 32 16 13 Polymer Emulsion Soil Stabilization *(31 32 16)*

31 32 16 13-0001 Blended Co-Polymer Paving Systems (TechniSoil) *(31 32 16 13)*

31 32 16 13-0002 SF 3" Thick, Blended Co-Polymer Paving System Premixed With Decomposed Granite (TechniSoil) 8.94
31 32 16 13-0003 SF Blended Co-Polymer Topical Spray (TechniSoil) 3.19

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002 SY 5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150) 5.45
For Up To 50, Add 1.21
For >50 To 150, Add 0.90
For >150 To 250, Add 0.59
For >250 To 500, Add 0.29

31 32 19 13-0003 SY 6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300) 6.22
For Up To 50, Add 1.37
For >50 To 150, Add 1.02
For >150 To 250, Add 0.66
For >250 To 500, Add 0.33

31 32 19 13-0004 SY 8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500) 6.79
For Up To 50, Add 1.49
For >50 To 150, Add 1.11
For >150 To 250, Add 0.72
For >250 To 500, Add 0.36

31 32 19 13-0005 SY 12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800) 9.77
For Up To 50, Add 2.09
For >50 To 150, Add 1.56
For >150 To 250, Add 1.02
For >250 To 500, Add 0.51

31 32 19 13-0006 SY 14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000) 11.18
For Up To 50, Add 2.38
For >50 To 150, Add 1.77
For >150 To 250, Add 1.17
For >250 To 500, Add 0.58

31 32 19 13-0007 SY 4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20) 5.54
For Up To 50, Add 1.23
For >50 To 150, Add 0.91
For >150 To 250, Add 0.59
For >250 To 500, Add 0.30

31 32 19 13-0008 SY 5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30) 8.16
For Up To 50, Add 1.76
For >50 To 150, Add 1.31
For >150 To 250, Add 0.86
For >250 To 500, Add 0.43

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation.

31 32 19 16-0002 SY 3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS) 1.70
For Up To 50, Add 0.39
For >50 To 150, Add 0.29
For >150 To 250, Add 0.19
For >250 To 500, Add 0.09

31 32 19 16-0003 SY 3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS) 1.82
For Up To 50, Add 0.41
For >50 To 150, Add 0.31
For >150 To 250, Add 0.20
For >250 To 500, Add 0.10

31 32 19 16-0004 SY 4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS) 1.97
For Up To 50, Add 0.44
For >50 To 150, Add 0.33
For >150 To 250, Add 0.21
For >250 To 500, Add 0.11

31 32 19 16-0005 SY 4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS) 2.12
For Up To 50, Add 0.47
For >50 To 150, Add 0.35
For >150 To 250, Add 0.23
For >250 To 500, Add 0.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.52	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.94	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.24	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.00	
		For Up To 50, Add	*0.86*	
		For >50 To 150, Add	*0.64*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric	6.85	
		For Up To 50, Add	*1.43*	
		For >50 To 150, Add	*1.07*	
		For >150 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.35*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

31 32 19 16-0012	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.46	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0013	SY	315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.45	
		For Up To 50, Add	*0.74*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.08	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.93	
		For Up To 50, Add	*1.24*	
		For >50 To 150, Add	*0.93*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0016	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.18	
		For Up To 50, Add	*1.09*	
		For >50 To 150, Add	*0.82*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0017	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.54	
		For Up To 50, Add	*1.17*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.08	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0019	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.10	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.51*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.46	
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.69	
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.05	
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.46	
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.81	
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.33	
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.68	
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.02	

31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	1.40	
31 32 19 16-0033	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	0.91	
31 32 19 16-0034	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.01	
31 32 19 16-0035	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.46	
31 32 19 16-0036	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.20	
31 32 19 16-0037	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.40	
31 32 19 16-0038	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	1.61	
31 32 19 16-0039	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	2.65	
31 32 19 16-0040	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	2.74	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.86	
		For >20,000, Deduct	*-0.19*	
		For >2:1 Slope, Add	*1.33*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.58	
		For >20,000, Deduct	*-0.28*	
		For >2:1 Slope, Add	*1.33*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.63	
		For >20,000, Deduct	*-0.38*	
		For >2:1 Slope, Add	*1.33*	

31 32 36 Soil Nailing *(31 32)*

31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 11-0002 BioWall® *(31 32 36 11-0001)*

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003	SF	BioWall® Construction	25.00	

31 32 36 11-0004 Green Terra Mesh *(31 32 36 11-0001)*

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005	EA	Green Terra Mesh	635.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0006 **GeoSynthetically Confined Soil™ (GCS®) Components** *(31 32 36 11-0001)*

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of th See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction Note: Installation sold per square face foot (excludes materials)	23.75	
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50	
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50	
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75	

31 32 36 11-0011 **Turf** *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0012 **Permanent Turf Reinforcing Mat (TRM)** *(31 32 36 11-0011)*

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.50	

31 32 36 11-0014 **Biodegradable Turf Reinforcing Mat (TRM)** *(31 32 36 11-0011)*

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.75	

31 32 36 11-0016 **Shotcrete or Gunite** *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0017 Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100

Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018 SFI Wet-Mix Reinforced Shotcrete 5.50

Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

31 32 36 11-0020	SFI	Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	8.50	

31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

31 32 36 11-0022	SFI	Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area	1.25	

31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 11-0025	SF	High Capacity Diamond Mesh Note: sold per square face foot	11.00	
31 32 36 11-0026	SF	Double Twist Wire Mesh Note: sold per square face foot	13.75	

31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

31 32 36 11-0028	EA	Galvanized Steel Plates (8x8)	35.00	
31 32 36 11-0029	EA	Galvanized Steel Plates (10x10)	54.75	
31 32 36 11-0030	EA	Galvanized Steel Plates (12x12)	78.75	
31 32 36 11-0031	EA	Epoxy Coated Steel Plates (8x8)	76.00	
31 32 36 11-0032	EA	Epoxy Coated Steel Plates (10x10)	89.25	
31 32 36 11-0033	EA	Epoxy Coated Steel Plates (12x12)	105.25	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0034		Drilled Horizontal Drains *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter)	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System	26.75	
31 32 36 11-0039		Rockfall Stabilization *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF	Scaling	3.75	
31 32 36 11-0041	SF	Trim Blasting	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm)	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet)	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet)	45.00	
31 32 36 11-0048	LF	Limited Access Drilling	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized)	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated)	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized)	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated)	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized)	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated)	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized)	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized)	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized)	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated)	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing	825.00	
31 32 36 11-0062		Mobilization / Demobilization *(31 32 36 11-0001)*		
31 32 36 11-0063	EA	Mobilization - In State	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder	9,800.00	
31 32 36 11-0066		Daily Crew Rates (DCR) *(31 32 36 11-0001)*		
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation	4,950.00	
31 32 36 11-0072	EA	Spider Excavation	5,500.00	
31 32 36 13		**Driven Soil Nailing** *(31 32 36)*		
31 32 36 13-0001		Large Diameter Micropiles *(31 32 36 13)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing)	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing)	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing)	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing)	213.25	
31 32 36 16		**Grouted Soil Nailing** *(31 32 36)*		
31 32 36 16-0001		Grouting *(31 32 36 16)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation	52.75	
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification	55.50	
31 32 36 16-0005	CF	Compaction Grout For Void Fill	39.00	

31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling	11.50	

31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length	559.00	
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length	939.25	
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length	1,305.75	
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length	1,735.75	
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length	2,119.75	
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length	2,459.25	
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length	2,879.25	
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length	3,253.50	
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar	129.50	

31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing *(31 32 36)*

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50	
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0005	EA	Temporary Launched Soil Nail	379.50	
		Note: bare steel tube up to 20 ft. length.		
31 32 36 26-0006	EA	Fiberglass SuperDrain™	495.00	
		Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™	379.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		

31 32 36 29 Drilled Soil Nailing *(31 32 36)*

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.41

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	78.44
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	92.68
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	112.03
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	132.26
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	155.26
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	212.58
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	268.77

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	89.82
		For Chinking Material, Add	*14.23*
31 37 13 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	105.30
		For Chinking Material, Add	*14.23*
31 37 13 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	112.59
		For Chinking Material, Add	*14.23*
31 37 13 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	120.89
		For Chinking Material, Add	*14.23*
31 37 13 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	127.58
		For Chinking Material, Add	*14.23*
31 37 13 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	138.52
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	156.02
31 37 13 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	58.98
31 37 13 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	68.80
31 37 13 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	73.43
31 37 13 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	78.70
31 37 13 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	82.95
31 37 13 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	89.98
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	104.28
31 37 13 00-0016	TON	Spread Of Rip Rap By Machine Note: Excludes material	17.28
31 37 13 00-0017	TON	Key Rip Rap Note: Excludes material.	129.53
31 37 13 00-0018	CY	Grout For Rip Rap	188.32
31 37 13 00-0019	TON	Additional Cost For Placement Of Rip-Rap By Barge Instead Of Truck	148.49

31 37 16 Non-Machined Riprap *(31 37)*

31 37 16 13 Rubble-Stone Riprap *(31 37 16)*

31 37 16 13-0001 Rock Slope Protection *(31 37 16 13)*

31 37 16 13-0002	TON	1 LB Average Pieces Random, Dumped From Truck, Rock Slope Protection	53.19
31 37 16 13-0003	TON	5 LB Average Pieces Random, Dumped From Truck, Rock Slope Protection	56.67
31 37 16 13-0004	TON	25 LB Average Pieces Random, Dumped From Truck, Rock Slope Protection	58.98
31 37 16 13-0005	TON	75 LB Average Pieces Random, Dumped From Truck, Rock Slope Protection	68.80
31 37 16 13-0006	TON	200 LB Average Pieces Random, Dumped From Truck, Rock Slope Protection	73.43
31 37 16 13-0007	TON	1/4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	82.95
31 37 16 13-0008	TON	1 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	89.98
31 37 16 13-0009	TON	2 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	97.71
31 37 16 13-0010	TON	4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	109.30

31 40 Shoring and Underpinning *(31)*

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.33	
		For Wood Sheeting Left In Place	*-1.51*	
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	15.51	
		For Wood Sheeting Left In Place	*-1.75*	
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	16.82	
		For Wood Sheeting Left In Place	*-2.01*	
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	18.23	
		For Wood Sheeting Left In Place	*-2.30*	
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	19.76	
		For Wood Sheeting Left In Place	*-2.60*	
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	21.43	
		For Wood Sheeting Left In Place	*-2.96*	
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	23.24	
		For Wood Sheeting Left In Place	*-3.34*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,074.32	
		For Standard Sheeting Left In Place, Add	*1,290.60*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,244.96*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*353.73*	
		For Each Additional Month >3 Months, Add	*57.05*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,155.35	
		For Standard Sheeting Left In Place, Add	*1,250.09*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,204.45*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*353.73*	
		For Each Additional Month >3 Months, Add	*57.05*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,532.00	
		For Standard Sheeting Left In Place, Add	*1,061.76*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,016.12*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*353.73*	
		For Each Additional Month >3 Months, Add	*57.05*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,894.44	
		For Standard Sheeting Left In Place, Add	*880.54*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*834.90*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*353.73*	
		For Each Additional Month >3 Months, Add	*57.05*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,107.65	
		For Standard Sheeting Left In Place, Add	*773.94*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*728.30*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*353.73*	
		For Each Additional Month >3 Months, Add	*57.05*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,325.12	
		For Standard Sheeting Left In Place, Add	*665.20*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*619.56*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*353.73*	
		For Each Additional Month >3 Months, Add	*57.05*	

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge	3,624.42	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 43 13 16-0003	LB	Up To 1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	31.04	
31 43 13 16-0004	LB	>1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	26.00	

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	18.02	

31 50 Excavation Support and Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	50.18	
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	64.23	
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	90.32	
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	116.42	
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	150.54	
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	301.08	
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	421.51	
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	596.14	

31 52 21 00-0011 Portable Cofferdam Delivery And Set-up *(31 52 21 00-0001)*
Note: Excludes crane usage where required. See CSI section 01 22 23 00-0968 for crane lifting equipment.

31 52 21 00-0012	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	12.15	
31 52 21 00-0013	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	19.44	
31 52 21 00-0014	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	29.16	
31 52 21 00-0015	LF	16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	38.89	
31 52 21 00-0016	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	7.29	
31 52 21 00-0017	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	12.15	
31 52 21 00-0018	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	19.44	
31 52 21 00-0019	LF	16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	26.74	

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	6.08	
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	9.72	
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	14.59	
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	19.44	

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	33.90	
		For Piles Driven In Water, Add	*15.64*	
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	42.79	
		For Piles Driven In Water, Add	*17.68*	
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	52.12	
		For Piles Driven In Water, Add	*19.50*	
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	64.13	
		For Piles Driven In Water, Add	*21.73*	
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	78.11	
		For Piles Driven In Water, Add	*24.30*	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	90.52	
		For Piles Driven In Water, Add	*26.92*	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	115.87	
		For Piles Driven In Water, Add	*31.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0009		**Octagonal Prestressed Driven Concrete Piles** *(31 62 13 23)*		
31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	38.23	
		For Piles Driven In Water, Add	*16.43*	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	47.18	
		For Piles Driven In Water, Add	*18.12*	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	56.25	
		For Piles Driven In Water, Add	*19.92*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	67.48	
		For Piles Driven In Water, Add	*22.07*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	71.80	
		For Piles Driven In Water, Add	*23.67*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	76.37	
		For Piles Driven In Water, Add	*25.50*	
31 62 13 23-0016		**Straight Cylinder Prestressed Driven Concrete Piles** *(31 62 13 23)*		
31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	55.67	
		For Piles Driven In Water, Add	*17.47*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	66.14	
		For Piles Driven In Water, Add	*19.22*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	78.54	
		For Piles Driven In Water, Add	*21.26*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	88.96	
		For Piles Driven In Water, Add	*23.19*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	112.11	
		For Piles Driven In Water, Add	*26.53*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	138.82	
		For Piles Driven In Water, Add	*30.37*	
31 62 16		**Steel Piles** *(31 62)*		
31 62 16 16		**Steel H Piles** *(31 62 16)*		
31 62 16 16-0001		Rolled, Driven Steel H Piles *(31 62 16 16)*		
31 62 16 16-0002	VLF	8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile	33.85	
		For Piles Driven In Water, Add	*16.79*	
31 62 16 16-0003	VLF	10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile	37.75	
		For Piles Driven In Water, Add	*17.84*	
31 62 16 16-0004	VLF	10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile	45.65	
		For Piles Driven In Water, Add	*18.63*	
31 62 16 16-0005	VLF	12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile	44.00	
		For Piles Driven In Water, Add	*18.88*	
31 62 16 16-0006	VLF	12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile	49.27	
		For Piles Driven In Water, Add	*19.41*	
31 62 16 16-0007	VLF	12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile	56.40	
		For Piles Driven In Water, Add	*21.33*	
31 62 16 16-0008	VLF	12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile	61.67	
		For Piles Driven In Water, Add	*21.85*	
31 62 16 16-0009	VLF	14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile	56.30	
		For Piles Driven In Water, Add	*21.70*	
31 62 16 16-0010	VLF	14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile	65.26	
		For Piles Driven In Water, Add	*22.60*	
31 62 16 16-0011	VLF	14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile	73.07	
		For Piles Driven In Water, Add	*24.72*	
31 62 16 16-0012	VLF	14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile	81.49	
		For Piles Driven In Water, Add	*25.56*	
31 62 16 16-0013		Splices, Caps, And Points For H-Piles *(31 62 16 16)*		
31 62 16 16-0014		Rolled Steel H Pile Splices *(31 62 16 16-0013)*		
31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	311.07	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	348.48	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	477.93	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	496.64	
31 62 16 16-0019		Rolled Steel H Driving Caps *(31 62 16 16-0013)*		
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,110.63	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,110.63	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,168.76	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,758.53	
31 62 16 16-0024		Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	329.78	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	348.48	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	477.93	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	534.04	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	477.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	570.27	

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

31 62 16 19-0002	VLF	8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile	60.81	
		For Piles Driven In Water, Add	*23.23*	
31 62 16 19-0003	VLF	8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile	71.25	
		For Piles Driven In Water, Add	*24.27*	
31 62 16 19-0004	VLF	8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile	82.52	
		For Piles Driven In Water, Add	*25.40*	
31 62 16 19-0005	VLF	10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile	71.25	
		For Piles Driven In Water, Add	*24.27*	
31 62 16 19-0006	VLF	10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile	81.17	
		For Piles Driven In Water, Add	*25.26*	
31 62 16 19-0007	VLF	10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	103.09	
		For Piles Driven In Water, Add	*27.45*	
31 62 16 19-0008	VLF	12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile	84.55	
		For Piles Driven In Water, Add	*26.51*	
31 62 16 19-0009	VLF	12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile	96.16	
		For Piles Driven In Water, Add	*27.67*	
31 62 16 19-0010	VLF	12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile	102.61	
		For Piles Driven In Water, Add	*28.32*	
31 62 16 19-0011	VLF	12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile	120.67	
		For Piles Driven In Water, Add	*30.12*	
31 62 16 19-0012	VLF	14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile	91.28	
		For Piles Driven In Water, Add	*29.06*	
31 62 16 19-0013	VLF	14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	104.42	
		For Piles Driven In Water, Add	*30.38*	
31 62 16 19-0014	VLF	14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile	117.55	
		For Piles Driven In Water, Add	*31.69*	
31 62 16 19-0015	VLF	14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile	130.69	
		For Piles Driven In Water, Add	*33.00*	
31 62 16 19-0016	VLF	16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile	101.54	
		For Piles Driven In Water, Add	*32.43*	
31 62 16 19-0017	VLF	16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile	116.90	
		For Piles Driven In Water, Add	*33.97*	
31 62 16 19-0018	VLF	16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile	146.84	
		For Piles Driven In Water, Add	*36.96*	
31 62 16 19-0019	VLF	18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile	126.60	
		For Piles Driven In Water, Add	*36.82*	
31 62 16 19-0020	VLF	18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile	146.55	
		For Piles Driven In Water, Add	*38.81*	
31 62 16 19-0021	VLF	18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile	184.45	
		For Piles Driven In Water, Add	*42.60*	

31 62 16 19-0022 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0023 Steel Pipe Pile Splices *(31 62 16 19-0022)*

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	501.65
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	571.21
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	711.95
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	780.55
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	988.67
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	1,238.42

31 62 16 19-0030 Steel Pipe Standard Pile Points *(31 62 16 19-0022)*

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	436.40
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	492.11
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	570.53
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	723.74
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	863.02
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	983.70

31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points *(31 62 16 19-0022)*

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy Duty Pile Point	605.16
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy Duty Pile Point	674.80
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy Duty Pile Point	776.04
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy Duty Pile Point	1,054.60
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy Duty Pile Point	1,255.33

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 LB Penta-treated/CF.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	31.98	
		For Piles Driven In Water, Add	*15.11*	
		For Untreated Pile, Deduct	*-6.94*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	33.85	
		For Piles Driven In Water, Add	*16.79*	
		For Untreated Pile, Deduct	*-7.02*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	35.70	
		For Piles Driven In Water, Add	*17.86*	
		For Untreated Pile, Deduct	*-7.33*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	38.58	
		For Piles Driven In Water, Add	*19.94*	
		For Untreated Pile, Deduct	*-7.66*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	47.56	
		For Piles Driven In Water, Add	*22.62*	
		For Untreated Pile, Deduct	*-10.25*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	59.26	
		For Piles Driven In Water, Add	*27.36*	
		For Untreated Pile, Deduct	*-13.11*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	64.26	
		For 5,000 PSI Concrete Grout Fill, Add	*6.75*	
		For Piles Driven In Water, Add	*25.07*	
31 62 23 13-0003	VLF	8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile	74.70	
		For 5,000 PSI Concrete Grout Fill, Add	*7.80*	
		For Piles Driven In Water, Add	*26.12*	
31 62 23 13-0004	VLF	8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile	85.97	
		For 5,000 PSI Concrete Grout Fill, Add	*8.93*	
		For Piles Driven In Water, Add	*27.25*	
31 62 23 13-0005	VLF	10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	76.21	
		For 5,000 PSI Concrete Grout Fill, Add	*9.24*	
		For Piles Driven In Water, Add	*26.68*	
31 62 23 13-0006	VLF	10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile	86.13	
		For 5,000 PSI Concrete Grout Fill, Add	*10.24*	
		For Piles Driven In Water, Add	*27.68*	
31 62 23 13-0007	VLF	10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	108.05	
		For 5,000 PSI Concrete Grout Fill, Add	*12.43*	
		For Piles Driven In Water, Add	*29.87*	
31 62 23 13-0008	VLF	12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	91.50	
		For 5,000 PSI Concrete Grout Fill, Add	*12.24*	
		For Piles Driven In Water, Add	*29.81*	
31 62 23 13-0009	VLF	12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile	103.11	
		For 5,000 PSI Concrete Grout Fill, Add	*13.41*	
		For Piles Driven In Water, Add	*30.98*	
31 62 23 13-0010	VLF	12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile	109.56	
		For 5,000 PSI Concrete Grout Fill, Add	*14.05*	
		For Piles Driven In Water, Add	*31.62*	
31 62 23 13-0011	VLF	12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile	127.61	
		For 5,000 PSI Concrete Grout Fill, Add	*15.86*	
		For Piles Driven In Water, Add	*33.43*	
31 62 23 13-0012	VLF	14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile	100.80	
		For 5,000 PSI Concrete Grout Fill, Add	*14.72*	
		For Piles Driven In Water, Add	*34.24*	
31 62 23 13-0013	VLF	14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	113.93	
		For 5,000 PSI Concrete Grout Fill, Add	*16.03*	
		For Piles Driven In Water, Add	*35.55*	
31 62 23 13-0014	VLF	14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile	127.07	
		For 5,000 PSI Concrete Grout Fill, Add	*17.34*	
		For Piles Driven In Water, Add	*36.86*	
31 62 23 13-0015	VLF	14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile	140.20	
		For 5,000 PSI Concrete Grout Fill, Add	*18.66*	
		For Piles Driven In Water, Add	*38.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0016	VLF	16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile	111.60	
		For 5,000 PSI Concrete Grout Fill, Add	*17.89*	
		For Piles Driven In Water, Add	*36.76*	
31 62 23 13-0017	VLF	16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile	126.96	
		For 5,000 PSI Concrete Grout Fill, Add	*19.42*	
		For Piles Driven In Water, Add	*38.29*	
31 62 23 13-0018	VLF	16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile	156.91	
		For 5,000 PSI Concrete Grout Fill, Add	*22.42*	
		For Piles Driven In Water, Add	*41.29*	
31 62 23 13-0019	VLF	18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile	138.64	
		For 5,000 PSI Concrete Grout Fill, Add	*22.92*	
		For Piles Driven In Water, Add	*41.53*	
31 62 23 13-0020	VLF	18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile	158.59	
		For 5,000 PSI Concrete Grout Fill, Add	*24.92*	
		For Piles Driven In Water, Add	*43.53*	
31 62 23 13-0021	VLF	18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile	196.49	
		For 5,000 PSI Concrete Grout Fill, Add	*28.71*	
		For Piles Driven In Water, Add	*47.32*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	87.77	
		For Piles Driven In Water, Add	*23.07*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	107.30	
		For Piles Driven In Water, Add	*26.05*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	121.78	
		For Piles Driven In Water, Add	*28.67*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	132.50	
		For Piles Driven In Water, Add	*31.12*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	86.00	
		For Piles Driven In Water, Add	*22.89*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	88.02	
		For Piles Driven In Water, Add	*24.12*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	108.27	
		For Piles Driven In Water, Add	*27.32*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	125.36	
		For Piles Driven In Water, Add	*30.40*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	50.34	
		For Piles Driven In Water, Add	*17.09*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	55.54	
		For Piles Driven In Water, Add	*18.96*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	60.69	
		For Piles Driven In Water, Add	*20.81*	
		For Thick Wall Shell, Add	*0.11*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	65.89	
		For Piles Driven In Water, Add	*22.67*	
		For Thick Wall Shell, Add	*0.12*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	71.08	
		For Piles Driven In Water, Add	*24.52*	
		For Thick Wall Shell, Add	*0.13*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	997.15	
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,329.53	

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	57.46	
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	66.81	
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	78.50	
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	92.54	
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	100.02	
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	110.04	
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	120.53	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

31 63 36 00-0015	VLF	8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		31.96	
		For >2,400 To 3,600, Deduct		*-1.12*	
		For >3,600 To 4,800, Deduct		*-2.25*	
		For >4,800 To 6,000, Deduct		*-3.85*	
		For >6,000, Deduct		*-5.44*	
31 63 36 00-0016	VLF	10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		35.78	
		For >2,400 To 3,600, Deduct		*-1.24*	
		For >3,600 To 4,800, Deduct		*-2.47*	
		For >4,800 To 6,000, Deduct		*-4.26*	
		For >6,000, Deduct		*-6.05*	
31 63 36 00-0017	VLF	10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		43.68	
		For >2,400 To 3,600, Deduct		*-1.43*	
		For >3,600 To 4,800, Deduct		*-2.87*	
		For >4,800 To 6,000, Deduct		*-5.05*	
		For >6,000, Deduct		*-7.24*	
31 63 36 00-0018	VLF	12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		41.97	
		For >2,400 To 3,600, Deduct		*-1.40*	
		For >3,600 To 4,800, Deduct		*-2.80*	
		For >4,800 To 6,000, Deduct		*-4.90*	
		For >6,000, Deduct		*-7.00*	
31 63 36 00-0019	VLF	12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		47.24	
		For >2,400 To 3,600, Deduct		*-1.53*	
		For >3,600 To 4,800, Deduct		*-3.07*	
		For >4,800 To 6,000, Deduct		*-5.43*	
		For >6,000, Deduct		*-7.79*	
31 63 36 00-0020	VLF	12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		54.20	
		For >2,400 To 3,600, Deduct		*-1.74*	
		For >3,600 To 4,800, Deduct		*-3.47*	
		For >4,800 To 6,000, Deduct		*-6.18*	
		For >6,000, Deduct		*-8.89*	
31 63 36 00-0021	VLF	12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		59.47	
		For >2,400 To 3,600, Deduct		*-1.87*	
		For >3,600 To 4,800, Deduct		*-3.74*	
		For >4,800 To 6,000, Deduct		*-6.71*	
		For >6,000, Deduct		*-9.68*	
31 63 36 00-0022	VLF	14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		54.04	
		For >2,400 To 3,600, Deduct		*-1.74*	
		For >3,600 To 4,800, Deduct		*-3.48*	
		For >4,800 To 6,000, Deduct		*-6.18*	
		For >6,000, Deduct		*-8.89*	
31 63 36 00-0023	VLF	14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		63.00	
		For >2,400 To 3,600, Deduct		*-1.97*	
		For >3,600 To 4,800, Deduct		*-3.93*	
		For >4,800 To 6,000, Deduct		*-7.08*	
		For >6,000, Deduct		*-10.23*	
31 63 36 00-0024	VLF	14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		70.63	
		For >2,400 To 3,600, Deduct		*-2.19*	
		For >3,600 To 4,800, Deduct		*-4.38*	
		For >4,800 To 6,000, Deduct		*-7.91*	
		For >6,000, Deduct		*-11.44*	
31 63 36 00-0025	VLF	14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile		79.05	
		For >2,400 To 3,600, Deduct		*-2.40*	
		For >3,600 To 4,800, Deduct		*-4.80*	
		For >4,800 To 6,000, Deduct		*-8.75*	
		For >6,000, Deduct		*-12.70*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins		14.55	
		For >50 To 150, Deduct		*-0.60*	
		For >150 To 250, Deduct		*-1.27*	
		For >250 To 500, Deduct		*-1.93*	
		For >500, Deduct		*-2.60*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins		17.11	
		For >50 To 150, Deduct		*-0.60*	
		For >150 To 250, Deduct		*-1.33*	
		For >250 To 500, Deduct		*-2.06*	
		For >500, Deduct		*-2.79*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins		19.58	
		For >50 To 150, Deduct		*-0.60*	
		For >150 To 250, Deduct		*-1.39*	
		For >250 To 500, Deduct		*-2.18*	
		For >500, Deduct		*-2.97*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins		16.68	
		For >50 To 150, Deduct		*-0.63*	
		For >150 To 250, Deduct		*-1.37*	
		For >250 To 500, Deduct		*-2.10*	
		For >500, Deduct		*-2.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	20.56	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.12*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	23.28	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.33*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	19.49	
		For >50 To 150, Deduct	*-0.66*	
		For >150 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.11*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	25.81	
		For >50 To 150, Deduct	*-0.66*	
		For >150 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.61*	
		For >500, Deduct	*-3.58*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	28.90	
		For >50 To 150, Deduct	*-0.66*	
		For >150 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.82*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	39.26
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	43.62
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	47.97
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.34
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	56.70
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	61.07
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	72.93

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	57.65	
		For >50' To 100' Deep, Add	*5.46*	
		For >100' To 150' Deep, Add	*14.41*	
		For >150' To 200' Deep, Add	*19.08*	
		For Right Angle Drilling, Add	*15.72*	
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	71.05	
		For >50' To 100' Deep, Add	*7.35*	
		For >100' To 150' Deep, Add	*17.76*	
		For >150' To 200' Deep, Add	*24.28*	
		For Right Angle Drilling, Add	*17.45*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	99.76	
		For >50' To 100' Deep, Add	*10.78*	
		For >100' To 150' Deep, Add	*24.94*	
		For >150' To 200' Deep, Add	*34.67*	
		For Right Angle Drilling, Add	*23.05*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	131.04	
		For >50' To 100' Deep, Add	*14.63*	
		For >100' To 150' Deep, Add	*32.76*	
		For >150' To 200' Deep, Add	*46.13*	
		For Right Angle Drilling, Add	*28.81*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	166.84	
		For >50' To 100' Deep, Add	*19.34*	
		For >100' To 150' Deep, Add	*41.71*	
		For >150' To 200' Deep, Add	*59.63*	
		For Right Angle Drilling, Add	*34.45*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	199.28	
		For >50' To 100' Deep, Add	*23.52*	
		For >100' To 150' Deep, Add	*49.82*	
		For >150' To 200' Deep, Add	*71.75*	
		For Right Angle Drilling, Add	*39.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water	239.13	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*29.15*	
		For >100' To 150' Deep, Add	*59.78*	
		For >150' To 200' Deep, Add	*87.25*	
		For Right Angle Drilling, Add	*44.92*	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	279.33	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*34.82*	
		For >100' To 150' Deep, Add	*69.83*	
		For >150' To 200' Deep, Add	*102.89*	
		For Right Angle Drilling, Add	*50.05*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	324.91	
		Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*41.22*	
		For >100' To 150' Deep, Add	*81.23*	
		For >150' To 200' Deep, Add	*120.57*	
		For Right Angle Drilling, Add	*55.98*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	377.47	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*48.66*	
		For >100' To 150' Deep, Add	*94.37*	
		For >150' To 200' Deep, Add	*141.04*	
		For Right Angle Drilling, Add	*62.62*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	429.31	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*56.15*	
		For >100' To 150' Deep, Add	*107.33*	
		For >150' To 200' Deep, Add	*161.42*	
		For Right Angle Drilling, Add	*68.70*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	484.51	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*64.19*	
		For >100' To 150' Deep, Add	*121.13*	
		For >150' To 200' Deep, Add	*183.19*	
		For Right Angle Drilling, Add	*74.99*	
31 64 13 00-0015		For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*		
31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	449.80	
		For >50' To 100' Deep, Add	*35.63*	
		For >100' To 150' Deep, Add	*112.45*	
		For >150' To 200' Deep, Add	*140.12*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,580.66	
		For >50' To 100' Deep, Add	*125.37*	
		For >100' To 150' Deep, Add	*395.17*	
		For >150' To 200' Deep, Add	*492.60*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	2,382.25	
		For >50' To 100' Deep, Add	*191.53*	
		For >100' To 150' Deep, Add	*595.56*	
		For >150' To 200' Deep, Add	*745.64*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	3,305.32	
		For >50' To 100' Deep, Add	*266.19*	
		For >100' To 150' Deep, Add	*826.33*	
		For >150' To 200' Deep, Add	*1,035.12*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	4,503.74	
		For >50' To 100' Deep, Add	*357.13*	
		For >100' To 150' Deep, Add	*1,125.94*	
		For >150' To 200' Deep, Add	*1,403.46*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	5,296.27	
		For >50' To 100' Deep, Add	*419.82*	
		For >100' To 150' Deep, Add	*1,324.07*	
		For >150' To 200' Deep, Add	*1,650.23*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	8,986.39	
		For >50' To 100' Deep, Add	*711.11*	
		For >100' To 150' Deep, Add	*2,246.60*	
		For >150' To 200' Deep, Add	*2,798.49*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	12,963.69	
		For >50' To 100' Deep, Add	*1,034.76*	
		For >100' To 150' Deep, Add	*3,240.92*	
		For >150' To 200' Deep, Add	*4,048.24*	
31 64 13 00-0024		Caisson In Wet Ground, Casing Pulled *(31 64 13)*		
		Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025		Caisson In Wet Ground *(31 64 13 00-0024)*		
		Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	64.27	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*5.92*	
		For >100' To 150' Deep, Add	*16.07*	
		For >150' To 200' Deep, Add	*21.06*	
		For Right Angle Drilling, Add	*18.05*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	107.21	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*9.88*	
		For >100' To 150' Deep, Add	*26.80*	
		For >150' To 200' Deep, Add	*35.13*	
		For Right Angle Drilling, Add	*30.10*	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	140.47	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*13.63*	
		For >100' To 150' Deep, Add	*35.12*	
		For >150' To 200' Deep, Add	*46.89*	
		For Right Angle Drilling, Add	*37.30*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	192.24	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*18.91*	
		For >100' To 150' Deep, Add	*48.06*	
		For >150' To 200' Deep, Add	*64.49*	
		For Right Angle Drilling, Add	*50.23*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	242.34	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*24.62*	
		For >100' To 150' Deep, Add	*60.59*	
		For >150' To 200' Deep, Add	*82.28*	
		For Right Angle Drilling, Add	*60.88*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	288.81	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*29.79*	
		For >100' To 150' Deep, Add	*72.20*	
		For >150' To 200' Deep, Add	*98.61*	
		For Right Angle Drilling, Add	*71.16*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	373.14	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*38.53*	
		For >100' To 150' Deep, Add	*93.29*	
		For >150' To 200' Deep, Add	*127.45*	
		For Right Angle Drilling, Add	*91.82*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	456.65	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*47.24*	
		For >100' To 150' Deep, Add	*114.16*	
		For >150' To 200' Deep, Add	*156.08*	
		For Right Angle Drilling, Add	*112.11*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	518.88	
		Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*54.80*	
		For >100' To 150' Deep, Add	*129.72*	
		For >150' To 200' Deep, Add	*178.76*	
		For Right Angle Drilling, Add	*123.87*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	588.04	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*63.40*	
		For >100' To 150' Deep, Add	*147.01*	
		For >150' To 200' Deep, Add	*204.21*	
		For Right Angle Drilling, Add	*136.32*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	667.33	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*72.81*	
		For >100' To 150' Deep, Add	*166.83*	
		For >150' To 200' Deep, Add	*232.82*	
		For Right Angle Drilling, Add	*152.00*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	750.46	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*82.80*	
		For >100' To 150' Deep, Add	*187.62*	
		For >150' To 200' Deep, Add	*262.98*	
		For Right Angle Drilling, Add	*168.07*	
31 64 13 00-0038		For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*		
31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	521.57	
		For >50' To 100' Deep, Add	*40.65*	
		For >100' To 150' Deep, Add	*130.39*	
		For >150' To 200' Deep, Add	*161.65*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,816.01	
		For >50' To 100' Deep, Add	*141.85*	
		For >100' To 150' Deep, Add	*454.00*	
		For >150' To 200' Deep, Add	*563.21*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	2,533.79	
		For >50' To 100' Deep, Add	*186.80*	
		For >100' To 150' Deep, Add	*633.45*	
		For >150' To 200' Deep, Add	*771.93*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	3,980.99	
		For >50' To 100' Deep, Add	*313.49*	
		For >100' To 150' Deep, Add	*995.25*	
		For >150' To 200' Deep, Add	*1,237.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	5,174.46	
		For >50' To 100' Deep, Add	*404.09*	
		For >100' To 150' Deep, Add	*1,293.62*	
		For >150' To 200' Deep, Add	*1,604.68*	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	6,085.35	
		For >50' To 100' Deep, Add	*475.06*	
		For >100' To 150' Deep, Add	*1,521.34*	
		For >150' To 200' Deep, Add	*1,886.96*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	10,327.84	
		For >50' To 100' Deep, Add	*805.01*	
		For >100' To 150' Deep, Add	*2,581.96*	
		For >150' To 200' Deep, Add	*3,200.93*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	14,880.04	
		For >50' To 100' Deep, Add	*1,168.91*	
		For >100' To 150' Deep, Add	*3,720.01*	
		For >150' To 200' Deep, Add	*4,623.15*	
31 64 13 00-0047		**Caisson In Soft Rock And Medium Hard Shale** *(31 64 13)*		
		Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048		**Caisson In Soft Rock** *(31 64 13 00-0047)*		
		Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	255.44	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*19.30*	
		For >100' To 150' Deep, Add	*63.86*	
		For >150' To 200' Deep, Add	*78.41*	
		For Right Angle Drilling, Add	*84.96*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	425.87	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*32.19*	
		For >100' To 150' Deep, Add	*106.47*	
		For >150' To 200' Deep, Add	*130.73*	
		For Right Angle Drilling, Add	*141.63*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	641.66	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*48.71*	
		For >100' To 150' Deep, Add	*160.42*	
		For >150' To 200' Deep, Add	*197.24*	
		For Right Angle Drilling, Add	*212.72*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	818.79	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*62.77*	
		For >100' To 150' Deep, Add	*204.70*	
		For >150' To 200' Deep, Add	*252.46*	
		For Right Angle Drilling, Add	*269.52*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,055.04	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*81.51*	
		For >100' To 150' Deep, Add	*263.76*	
		For >150' To 200' Deep, Add	*326.09*	
		For Right Angle Drilling, Add	*345.32*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,270.81	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*98.53*	
		For >100' To 150' Deep, Add	*317.70*	
		For >150' To 200' Deep, Add	*393.21*	
		For Right Angle Drilling, Add	*414.86*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,553.34	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*121.14*	
		For >100' To 150' Deep, Add	*388.34*	
		For >150' To 200' Deep, Add	*481.51*	
		For Right Angle Drilling, Add	*504.89*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,835.30	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*143.74*	
		For >100' To 150' Deep, Add	*458.83*	
		For >150' To 200' Deep, Add	*569.68*	
		For Right Angle Drilling, Add	*594.64*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	2,012.89	
		Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*159.38*	
		For >100' To 150' Deep, Add	*503.22*	
		For >150' To 200' Deep, Add	*626.96*	
		For Right Angle Drilling, Add	*646.77*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	2,196.52	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*175.99*	
		For >100' To 150' Deep, Add	*549.13*	
		For >150' To 200' Deep, Add	*686.75*	
		For Right Angle Drilling, Add	*699.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	2,244.80	
		For >50' To 100' Deep, Add	*183.24*	
		For >100' To 150' Deep, Add	*561.20*	
		For >150' To 200' Deep, Add	*706.07*	
		For Right Angle Drilling, Add	*704.12*	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	2,682.09	
		For >50' To 100' Deep, Add	*218.02*	
		For >100' To 150' Deep, Add	*670.52*	
		For >150' To 200' Deep, Add	*842.46*	
		For Right Angle Drilling, Add	*844.14*	
31 64 13 00-0061		For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*		
31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	905.18	
		For >50' To 100' Deep, Add	*67.50*	
		For >100' To 150' Deep, Add	*226.30*	
		For >150' To 200' Deep, Add	*276.73*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,184.73	
		For >50' To 100' Deep, Add	*237.66*	
		For >100' To 150' Deep, Add	*796.18*	
		For >150' To 200' Deep, Add	*973.83*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,762.88	
		For >50' To 100' Deep, Add	*358.17*	
		For >100' To 150' Deep, Add	*1,190.72*	
		For >150' To 200' Deep, Add	*1,459.83*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,782.81	
		For >50' To 100' Deep, Add	*509.61*	
		For >100' To 150' Deep, Add	*1,695.70*	
		For >150' To 200' Deep, Add	*2,078.37*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	8,979.86	
		For >50' To 100' Deep, Add	*670.46*	
		For >100' To 150' Deep, Add	*2,244.97*	
		For >150' To 200' Deep, Add	*2,746.30*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	10,949.19	
		For >50' To 100' Deep, Add	*815.53*	
		For >100' To 150' Deep, Add	*2,737.30*	
		For >150' To 200' Deep, Add	*3,346.11*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,529.24	
		For >50' To 100' Deep, Add	*1,239.11*	
		For >100' To 150' Deep, Add	*4,132.31*	
		For >150' To 200' Deep, Add	*5,061.35*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	24,846.58	
		For >50' To 100' Deep, Add	*1,866.57*	
		For >100' To 150' Deep, Add	*6,211.65*	
		For >150' To 200' Deep, Add	*7,613.11*	
31 64 13 00-0070		Caisson Setup And Removal *(31 64 13)* Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	3,748.51	
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	5,232.15	
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,786.45	
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,381.93	
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	148.87	

31 66 Special Foundation *(31 60)*

31 66 15 Helical Foundation Piles *(31 66)*

31 66 15 00-0001 Helical Pier Restoration (Atlas) *(31 66 15)*

31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal) Note: Includes heavy duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling	5,567.76	
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.	582.18	
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout	582.18	

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0003		3/4" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	208.93	
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	301.59	
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	371.74	
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	486.90	
31 68 13 00-0008		1" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	267.56	
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	414.33	
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	538.60	
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	707.91	
31 68 13 00-0013		1-3/8" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	448.36	
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	698.81	
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	926.79	
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,199.73	
31 68 13 00-0018		2" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	998.23	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	1,485.48	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,950.16	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	2,459.90	
31 68 13 00-0023		Super High-Tensile Anchors, ASTM A-108 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		3/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	149.60	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	199.59	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	226.98	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	297.41	
31 68 13 00-0029		1" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	180.04	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	250.87	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	296.75	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	387.64	
31 68 13 00-0034		1-1/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	269.42	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	378.99	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	465.51	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	593.41	
31 68 13 00-0039		2" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	724.40	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	1,030.67	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	1,261.42	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	1,551.14	
31 68 13 00-0044		Solid Rebar Anchors, ASTM A615 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		3/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	139.83	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	178.93	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	195.50	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	257.10	
31 68 13 00-0050		1" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	158.64	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	210.03	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	238.96	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	312.82	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0055		**1-1/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	233.87	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	301.52	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	346.77	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	436.99	
31 68 13 00-0060		**Resin Anchoring With Grade 60 Rebar** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		**Rebar #6** *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	73.80	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	102.61	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	108.91	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	147.61	
31 68 13 00-0066		**Rebar #8** *(31 68 13 00-0060)*		
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	78.71	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	112.42	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	123.62	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	179.83	
31 68 13 00-0071		**Rebar #10** *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	85.71	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	126.43	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	144.64	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	207.85	
31 68 13 00-0076		**Rebar #14** *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	102.53	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	160.05	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	195.08	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	275.10	
31 68 13 00-0081		**Plastic Rebar Collars, Sizes #6-#14** *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.82	
31 68 13 00-0083		**12" Long Resin Cartridges** *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	1.95	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	2.68	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	2.87	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	3.10	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	3.56	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	4.45	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	6.12	
31 68 13 00-0091		**Head Assembly** *(31 68 13 00-0001)*		
31 68 13 00-0092		**3/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	30.65	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	25.81	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	27.07	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	48.61	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	48.61	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	46.06	
31 68 13 00-0099		**1" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	33.03	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	28.27	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	29.53	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	51.14	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	51.14	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	48.76	
31 68 13 00-0106		**1-1/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	73.69	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	86.09	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	87.32	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	77.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	90.29	
31 68 13 00-0112		**1-7/8" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	290.04	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	199.96	
31 68 13 00-0115		**2" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	290.04	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	199.96	
31 68 13 00-0118		**Steel Plates With Standard Hole And Washers** *(31 68 13 00-0001)*		
31 68 13 00-0119		**Steel Plates** *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.71	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	6.85	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	9.54	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	16.72	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	6.49	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	17.05	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	28.30	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	40.09	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	24.07	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	68.08	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	100.33	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	44.04	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	119.12	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	59.57	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	143.28	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	65.75	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	158.90	
31 68 13 00-0137		**Hardened Washers** *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.02	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.40	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	3.92	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	9.77	
31 68 13 00-0142		**Beveled Washers** *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	2.56	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	2.52	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	3.82	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	16.32	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	11.28	
31 68 13 00-0148		**Hex Nuts** *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.00	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	3.26	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	13.34	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	8.41	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	53.62	
31 68 13 00-0154		**Drilling Operation For Rockbolts** *(31 68 13)*		
31 68 13 00-0155		**Drill Holes For Rock Bolts** *(31 68 13 00-0154)*		
31 68 13 00-0156		**3/4" Diameter Bolt, 1-3/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	200.00	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	377.77	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	566.66	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	679.98	
31 68 13 00-0161		**1" Diameter Bolt, 2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	261.54	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	485.71	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	679.98	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	849.99	
31 68 13 00-0166		**1-1/4" Diameter Bolt, 2-1/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	283.33	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	566.66	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	849.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,133.31	
31 68 13 00-0171		**2" Diameter Bolt, 3-1/2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	339.99	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	679.98	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,133.31	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,699.97	
31 68 13 00-0176		**Tools** *(31 68 13)*		
31 68 13 00-0177		**Hydraulic Jacks, Monthly Rental** *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	731.99	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,078.73	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,809.69	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,709.33	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,049.95	
31 68 13 00-0183		**Torque Wrenches And Ratchet Adapter, Monthly Rental** *(31 68 13 00-0176)*		
31 68 13 00-0184		**0-500 Foot Pounds (0-678J)** *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	256.15	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	160.56	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	417.02	
31 68 13 00-0188		**0-600 Foot Pounds (0-814J)** *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	290.82	
31 68 13 00-0190		**Up To 1,000 Foot Pounds (0-1356J)** *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	558.53	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	137.76	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	696.29	
31 68 13 00-0194		**Torque Multiplier, 4:1 Multiplier** *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	715.34	
31 68 13 00-0196		**Pneumatic Drive Torque Wrench** *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,530.64	
31 68 13 00-0198		**Grouting** *(31 68 13)*		
31 68 13 00-0199		**Grouting With Pumps** *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	21.45	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	32.45	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	30.09	
31 68 13 00-0203		**Grout Pumps, Monthly Rental** *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	159.70	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,343.43	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,345.50	
31 68 13 00-0207		**Rock Bolt Testing** *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	604.30	

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END OF SECTION 31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*
Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.41
		For Up To 250, Add	*1.21*
		For >250 To 1,000, Add	*0.60*
		For >5,000 To 10,000, Deduct	*-0.36*
		For >10,000 To 25,000, Deduct	*-0.60*
		For >25,000 To 50,000, Deduct	*-0.84*
		For >50,000, Deduct	*-0.96*
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.90
		For Up To 250, Add	*1.45*
		For >250 To 1,000, Add	*0.73*
		For >5,000 To 10,000, Deduct	*-0.44*
		For >10,000 To 25,000, Deduct	*-0.73*
		For >25,000 To 50,000, Deduct	*-1.02*
		For >50,000, Deduct	*-1.16*
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.47
		For Up To 250, Add	*1.74*
		For >250 To 1,000, Add	*0.87*
		For >5,000 To 10,000, Deduct	*-0.52*
		For >10,000 To 25,000, Deduct	*-0.87*
		For >25,000 To 50,000, Deduct	*-1.21*
		For >50,000, Deduct	*-1.39*
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	4.16
		For Up To 250, Add	*2.08*
		For >250 To 1,000, Add	*1.04*
		For >5,000 To 10,000, Deduct	*-0.62*
		For >10,000 To 25,000, Deduct	*-1.04*
		For >25,000 To 50,000, Deduct	*-1.46*
		For >50,000, Deduct	*-1.66*
32 01 11 53-0006	LF	Remove Paint From Curb	7.74
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	4.16
		For Up To 250, Add	*2.08*
		For >250 To 1,000, Add	*1.04*
		For >5,000 To 10,000, Deduct	*-0.62*
		For >10,000 To 25,000, Deduct	*-1.04*
		For >25,000 To 50,000, Deduct	*-1.46*
		For >50,000, Deduct	*-1.66*
32 01 11 53-0008	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	3.10
		For Up To 250, Add	*1.55*
		For >250 To 1,000, Add	*0.78*
		For >5,000 To 10,000, Deduct	*-0.47*
		For >10,000 To 25,000, Deduct	*-0.78*
		For >25,000 To 50,000, Deduct	*-1.09*
		For >50,000, Deduct	*-1.24*
32 01 11 53-0009	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.67
		For Up To 250, Add	*1.84*
		For >250 To 1,000, Add	*0.92*
		For >5,000 To 10,000, Deduct	*-0.55*
		For >10,000 To 25,000, Deduct	*-0.92*
		For >25,000 To 50,000, Deduct	*-1.28*
		For >50,000, Deduct	*-1.47*
32 01 11 53-0010	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.42
		For Up To 250, Add	*2.21*
		For >250 To 1,000, Add	*1.11*
		For >5,000 To 10,000, Deduct	*-0.66*
		For >10,000 To 25,000, Deduct	*-1.11*
		For >25,000 To 50,000, Deduct	*-1.55*
		For >50,000, Deduct	*-1.77*
32 01 11 53-0011	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.29
		For Up To 250, Add	*2.65*
		For >250 To 1,000, Add	*1.32*
		For >5,000 To 10,000, Deduct	*-0.79*
		For >10,000 To 25,000, Deduct	*-1.32*
		For >25,000 To 50,000, Deduct	*-1.85*
		For >50,000, Deduct	*-2.12*
32 01 11 53-0012	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.29
		For Up To 250, Add	*2.65*
		For >250 To 1,000, Add	*1.32*
		For >5,000 To 10,000, Deduct	*-0.79*
		For >10,000 To 25,000, Deduct	*-1.32*
		For >25,000 To 50,000, Deduct	*-1.85*
		For >50,000, Deduct	*-2.12*

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		850.52
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat		3.32
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat		3.06
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate. Per Coat		2.86
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.		3.38
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.30*	
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.		3.18
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.30*	
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.		3.02
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.30*	
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.		2.88
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.30*	
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.		2.88
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.30*	
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.		2.62
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.30*	
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lbs/SY.		4.57
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*	
		For Each 0.5% Of Latex Addition, Add	*0.45*	
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lbs/SY.		4.25
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.45*	
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lbs/SY.		4.01
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.45*	
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lbs/SY.		3.79
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.45*	
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lbs/SY.		3.57
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.45*	
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lbs/SY.		3.39
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY.	5.74	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.34*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.40*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.50*	
		For Each 0.5% Of Latex Addition, Add	*0.73*	
32 01 13 61-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY.	5.40	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*	
		For Each 0.5% Of Latex Addition, Add	*0.73*	
32 01 13 61-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY.	5.14	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.73*	
32 01 13 61-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY.	4.90	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.73*	
32 01 13 61-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY.	4.67	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.73*	
32 01 13 61-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY.	4.47	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.73*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.33
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.81
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.34
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.96
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.61
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.29
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.07
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	7.96

32 01 16 Flexible Paving Rehabilitation *(32 01)*

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	4.76
		For Up To 2,500, Add	*3.57*
		For >2,500 To 5,000, Add	*1.19*
		For >10,000 To 25,000, Deduct	*-0.48*
		For >25,000, Deduct	*-0.71*
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	6.35
		For Up To 2,500, Add	*4.76*
		For >2,500 To 5,000, Add	*1.59*
		For >10,000 To 25,000, Deduct	*-0.64*
		For >25,000, Deduct	*-0.95*
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	8.44
		For Up To 2,500, Add	*6.33*
		For >2,500 To 5,000, Add	*2.11*
		For >10,000 To 25,000, Deduct	*-0.84*
		For >25,000, Deduct	*-1.27*

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	30.10	
		For >100 To 1,000, Deduct	*-15.05*	
		For >1,000, Deduct	*-22.58*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	39.85	
		For >100 To 1,000, Deduct	*-19.93*	
		For >1,000, Deduct	*-29.89*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	53.08	
		For >100 To 1,000, Deduct	*-26.54*	
		For >1,000, Deduct	*-39.81*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	8.04

32 01 16 71-0012 Wedge Grinding Cold Milling *(32 01 16 71)*

Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning .

32 01 16 71-0013	LF	5' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth	8.36
32 01 16 71-0014	LF	10' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth	16.72

32 01 16 71-0015 Cutback Ramp *(32 01 16 71)*

32 01 16 71-0016	LF	1" Differential, 5' Length, Cutback Ramp	13.58
32 01 16 71-0017	LF	1-1/2" Differential, 5' Length, Cutback Ramp	16.55
32 01 16 71-0018	LF	2" Differential, 5' Length, Cutback Ramp	19.27

32 01 16 73 In Place Cold Reused Asphalt Paving *(32 01 16)*

32 01 16 73-0001 Cold-In-Place-Partial Depth Recycling Process With Foam Asphalt *(32 01 16 73)*

Note: Includes milling between 3"-6" of existing AC surface, computerized metered injection of liquid asphalt, cement, and water mix together as binder with milled material, spread and place with paver, follow by vibratory steel drum roller, Cat CB534D or equivalent, then follow by rubber tired roller, Hypac C560A or equivalent. The Contractor will provide all the necessary engineering, preconstruction soil analysis, stamped mix design, in-place compaction testing of recycled material and any other QC/QA during construction. The recycled material (from milled surface mixed with liquid asphalt, cement, and water) shall meet Class II AB (3/4" max.) gradation and shall compact at 96% relative compaction or higher. The Contractor's process shall be capable of producing between 450-500 tons per hour of recycled, in-place material. The Contractor shall warranty their work for a period of two years. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Recycling Process With Foam Asphalt	4.49
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Recycling Process With Foam Asphalt	4.17
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Recycling Process With Foam Asphalt	3.45
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Recycling Process With Foam Asphalt	2.90
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Recycling Process With Foam Asphalt	2.57
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Recycling Process With Foam Asphalt	2.33
32 01 16 73-0008	SF	>500,000 SF Cold In Place Recycling Process With Foam Asphalt	2.18

32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0010	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.45
32 01 16 73-0011	SF	>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.09
32 01 16 73-0012	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.30
32 01 16 73-0013	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.69
32 01 16 73-0014	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.31
32 01 16 73-0015	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.06
32 01 16 73-0016	SF	>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.90

32 01 16 73-0017 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0018	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	5.22
		For >12" To 18" Depth, Add	*1.75*
32 01 16 73-0019	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	4.07
		For >12" To 18" Depth, Add	*1.41*
32 01 16 73-0020	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.46
		For >12" To 18" Depth, Add	*1.23*
32 01 16 73-0021	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.08
		For >12" To 18" Depth, Add	*1.11*
32 01 16 73-0022	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.83
		For >12" To 18" Depth, Add	*1.04*
32 01 16 73-0023	SF	>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.67
		For >12" To 18" Depth, Add	*0.99*

32 01 16 73-0024 Supplemental Aggregate *(32 01 16 73)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0025	TON	Supplemental Aggregate	67.29	
32 01 16 73-0026		Cold-In-Place Recycling (CALTRAN) *(32 01 16 73)*		
32 01 16 73-0027	TON	Sand Cover (CIPR)	58.00	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000 To 2,500, Deduct	*-2.90*	
		For >2,500 To 5,000, Deduct	*-4.06*	
		For >5,000, Deduct	*-5.22*	
32 01 16 73-0028	SY	Cold In Place Recycling (CIPR)	6.50	
		For >10,000 To 25,000, Deduct	*-0.65*	
		For >25,000, Deduct	*-0.98*	
32 01 16 73-0029	TON	Cement (CIPR)	135.00	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000 To 2,500, Deduct	*-6.75*	
		For >2,500 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-12.15*	
32 01 16 73-0030	TON	Emulsified Recycling Agent (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	
32 01 16 73-0031	TON	Asphaltic Emulsion (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement *(32 01 16 74)*
Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	10.84
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	12.57
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings	202.69

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*
Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	16.21
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.11
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.06
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.84
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.42
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	17.69
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.85
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.17
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.46
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.73
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.86
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.49
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.22
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.61
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.31
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.94
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,824.09

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*
Note: Includes removing loose materials and cleaning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.86	
		For 3/4" x 1/2" Fill, Add	*0.54*	
		For 1" x 1/2" Fill, Add	*1.02*	
		For Backer Rod, Add	*1.14*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.52	
		For 3/4" x 1/2" Fill, Add	*0.45*	
		For 1" x 1/2" Fill, Add	*0.85*	
		For Backer Rod, Add	*1.03*	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.21	
		For 3/4" x 1/2" Fill, Add	*0.36*	
		For 1" x 1/2" Fill, Add	*0.69*	
		For Backer Rod, Add	*0.92*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.05	
		For 3/4" x 1/2" Fill, Add	*0.32*	
		For 1" x 1/2" Fill, Add	*0.61*	
		For Backer Rod, Add	*0.86*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.93	
		For 3/4" x 1/2" Fill, Add	*0.28*	
		For 1" x 1/2" Fill, Add	*0.54*	
		For Backer Rod, Add	*0.81*	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.85	
		For 3/4" x 1/2" Fill, Add	*0.26*	
		For 1" x 1/2" Fill, Add	*0.49*	
		For Backer Rod, Add	*0.77*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.44	
		For 3/8" x 1/4" Fill, Add	*0.80*	
		For 1/2" x 1/4" Fill, Add	*1.47*	
		For 1/2" x 1/2" Fill, Add	*3.48*	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.77	
		For 3/8" x 1/4" Fill, Add	*0.66*	
		For 1/2" x 1/4" Fill, Add	*1.21*	
		For 1/2" x 1/2" Fill, Add	*2.90*	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.15	
		For 3/8" x 1/4" Fill, Add	*0.52*	
		For 1/2" x 1/4" Fill, Add	*0.97*	
		For 1/2" x 1/2" Fill, Add	*2.34*	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.89	
		For 3/8" x 1/4" Fill, Add	*0.46*	
		For 1/2" x 1/4" Fill, Add	*0.86*	
		For 1/2" x 1/2" Fill, Add	*2.08*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.70	
		For 3/8" x 1/4" Fill, Add	*0.41*	
		For 1/2" x 1/4" Fill, Add	*0.76*	
		For 1/2" x 1/2" Fill, Add	*1.85*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.57	
		For 3/8" x 1/4" Fill, Add	*0.38*	
		For 1/2" x 1/4" Fill, Add	*0.69*	
		For 1/2" x 1/2" Fill, Add	*1.67*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.57	
32 01 17 61-0015	LF	Crack Fill Backer Material, Up To 1" Diameter, As Required	1.88	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,675.91
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	502.35
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,617.27
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	482.80
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,587.95
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	473.03
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,558.63
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	463.26

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,824.88
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	592.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,795.56	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	582.36	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,766.24	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	572.59	

32 01 17 63-0017 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0059 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,410.02	
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	304.51	
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,351.38	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	284.96	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,322.06	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	275.19	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,292.74	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	265.42	

32 01 17 63-0026 Grind Asphalt *(32 01 17 63)*

32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	24.25	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

32 01 26 71-0001 Roadway Grooving *(32 01 26 71)*

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,158.92	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.85	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	4,633.18	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.02	

32 01 26 71-0006 Rumble Strips *(32 01 26 71)*

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	4,886.93	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.89	
32 01 26 71-0009	EA	First 2000 LF Of MIARDS, Rumble Strips, Concrete	5,446.04	
32 01 26 71-0010	LF	Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete	1.00	

32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

32 01 26 73-0001 Removal Of Concrete *(32 01 26 73)*

Note: Includes direct loading into truck.

32 01 26 73-0002 Production Milling Of Roads And Parking Areas *(32 01 26 73-0001)*

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.

32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	7.21	

32 01 26 73-0004 Limited Production Milling *(32 01 26 73-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.

32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	45.24	

32 01 29 Rigid Paving Repair *(32 01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001 Hot Applied Flexible Concrete Repair *(32 01 29 61)*
Note: Excludes saw cutting (where required), flagmen.

32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphaltcharge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repairt" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,273.59	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	69.73	
		For >25 SF Quantity, Deduct	*-6.97*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	130.78	
		For >25 SF Quantity, Deduct	*-13.08*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	191.25	
		For >25 SF Quantity, Deduct	*-19.13*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	251.73	
		For >25 SF Quantity, Deduct	*-25.17*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	312.21	
		For >25 SF Quantity, Deduct	*-31.22*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	372.10	

32 01 29 61-0009 Cold Applied Flexible Concrete Repair *(32 01 29 61)*

32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	6.93
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	9.94
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.06
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	16.30
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	23.23
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.02
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.02
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.15
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.39
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.32
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	6.98
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	9.98
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.10
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	16.35
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	23.27

32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	16.31
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	12.08
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	13.16
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	10.85

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	214.64	
		For <1 Acre, Add	*53.66*	
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	7.73	
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	5.99	
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	27.32	
		For Work On Slopes >2:1, Add	*6.83*	
		For Clearing Light Brush, Add	*4.10*	
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF	22.95	
		For Work On Slopes >2:1, Add	*5.74*	
		For Clearing Light Brush, Add	*3.44*	
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	22.79	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*
Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumspter.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*
Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	34.73
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	39.69
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	44.65
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	49.61
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	75.39
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	123.82
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	131.94
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	235.81
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	211.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	377.21	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	244.14	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	436.23	
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	283.80	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	506.96	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	345.46	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	613.18	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	429.13	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	772.79	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	587.78	
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,047.38	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	932.48	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,684.37	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	42.56	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	48.61	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	54.67	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	60.82	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	92.37	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	151.62	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	161.62	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	288.87	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	258.85	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	462.07	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	299.04	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	534.35	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	347.65	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	621.01	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	423.15	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	751.18	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	525.65	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	946.67	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	720.01	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,283.05	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,142.27	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,063.35	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	46.93	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	53.58	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	60.33	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	66.97	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	101.80	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	167.19	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	178.10	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	318.34	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	285.25	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	509.23	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	329.59	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	588.94	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	383.17	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	684.44	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	466.41	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	827.82	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	579.32	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,043.23	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	793.53	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,413.93	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,258.85	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,273.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0071		**Tree Pruning; Crown Reduction** *(32 01 90 23-0001)*		
		Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.		
32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	50.41	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	57.54	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	64.79	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	71.93	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	109.33	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	179.57	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	191.28	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	341.92	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	306.38	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	546.97	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	354.00	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	632.56	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	411.54	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	735.14	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	500.94	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	889.12	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	622.28	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,120.58	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	852.27	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,518.75	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,352.11	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,442.30	
32 01 90 23-0094		**Tree Pruning; Crown Restoration** *(32 01 90 23-0001)*		
		Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	57.84	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	66.17	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	74.42	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	82.65	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	125.61	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	206.34	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	219.86	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	392.98	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	352.12	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	628.68	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	406.88	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	727.01	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	472.97	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	844.92	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	575.75	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,022.00	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	715.25	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,288.00	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	979.66	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,745.71	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,554.11	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,807.34	
32 01 90 23-0117		**Palm Tree Pruning** *(32 01 90 23)*		
32 01 90 23-0118	EA	Trim Mexican Palm Tree	105.19	
32 01 90 23-0119	EA	Trim Date Palm Tree	237.36	
32 01 90 23-0120	LF	Skin Palm Tree	26.97	
32 01 90 23-0121	EA	Trim And Skin Palm Tree, Up To 30' Height	100.22	
32 01 90 23-0122	EA	Trim And Skin Palm Tree, >30' To 60' Height	123.81	
32 01 90 23-0123	EA	Trim And Skin Palm Tree, >60' To 80' Height	138.54	
32 01 90 23-0124		**Shrub Pruning** *(32 01 90 23)*		
32 01 90 23-0125	MSF	Shrub Pruning, Prune, Shrub Bed	113.06	
32 01 90 23-0126	EA	Shrub Pruning, Prune, Shrub Under 3' Height	3.97	
32 01 90 23-0127	EA	Shrub Pruning, Prune, Shrub 4' Height	8.93	
32 01 90 23-0128	EA	Shrub Pruning, Prune, Shrub Over 6'	15.87	
32 01 90 23-0129	EA	Shrub Pruning, Prune Trees From Ground	39.69	
32 01 90 23-0130	EA	Shrub Pruning, Prune Trees From Ground, High Work	99.22	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0131		Root Pruning *(32 01 90 23)* Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0132	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	19.84	
32 01 90 23-0133	EA	Root Pruning, One Side Of 2" Caliper Tree	24.81	
32 01 90 23-0134	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	29.76	
32 01 90 23-0135	EA	Root Pruning, One Side Of 3" Caliper Tree	39.69	
32 01 90 23-0136	EA	Root Pruning, One Side Of 4" Caliper Tree	59.53	
32 01 90 23-0137	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree	74.42	
32 01 90 23-0138	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree	104.18	
32 01 90 23-0139	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree	119.06	
32 01 90 23-0140	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree	138.90	
32 01 90 23-0141	EA	Root Pruning, One Side Of >18' To 24" Caliper Tree	173.63	
32 01 90 23-0142	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree	213.32	
32 01 90 23-0143	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree	248.04	
32 01 90 23-0144	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree	272.85	
32 01 90 23-0145	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree	297.65	
32 01 90 26		**Watering** *(32 01 90)* Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001		Watering Lawns, Plants And Trees *(32 01 90 26)* Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	48.05	
32 01 90 26-0003	CSF	Watering Groundcover	7.40	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	13.09	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	25.26	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	33.21	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	41.16	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	50.67	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	12.70	
32 01 90 36		**Weed and Brush Control** *(32 01 90)*		
32 01 90 36-0001		Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*		
32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	9.10	
		For >45 To 90, Deduct	*-0.50*	
		For >90 To 225, Deduct	*-1.41*	
		For >225 To 870, Deduct	*-2.32*	
		For >870, Deduct	*-2.81*	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	9.76	
		For >45 To 90, Deduct	*-0.56*	
		For >90 To 225, Deduct	*-1.54*	
		For >225 To 870, Deduct	*-2.51*	
		For >870, Deduct	*-3.08*	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) Note: Includes pre and post emergent.	9.72	
		For >45 To 90, Deduct	*-0.56*	
		For >90 To 225, Deduct	*-1.53*	
		For >225 To 870, Deduct	*-2.50*	
		For >870, Deduct	*-3.06*	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) Note: Includes pre and post emergents.	10.13	
		For >45 To 90, Deduct	*-0.60*	
		For >90 To 225, Deduct	*-1.61*	
		For >225 To 870, Deduct	*-2.62*	
		For >870, Deduct	*-3.22*	
32 01 90 39		**Pesticides** *(32 01 90)*		
32 01 90 39-0001	MSF	Pesticide - Surface Eating	12.53	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	12.57	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	13.50	
32 01 90 43		**Weed and Cultivate Beds** *(32 01 90)*		
32 01 90 43-0001	MSF	Weed Mulched Bed	48.60	
32 01 90 43-0002	MSF	Weed Unmulched Bed	138.86	
32 01 90 43-0003	MSF	Cultivate Bed	74.77	
32 01 90 46		**Hedge Trimming** *(32 01 90)*		
32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	6.41	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	9.61	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	14.56	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	14.83	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 53		**Plant Growth Regulator Application** *(32 01 90)*		
32 01 90 53-0001	EA	Plant Growth Regulator Application	6.93	

32 05 Common Work Results for Exterior Improvements *(32)*

32 05 23 Cement and Concrete for Exterior Improvements *(32 05)*

32 05 23 00-0001 Common Public Works Assemblies *(32 05 23)*
Note: Assembly task as per GreenBook Specifications

32 05 23 00-0002	SF	PCC Sidewalk Note: Assembly task as per GreenBook Specifications.	7.00
32 05 23 00-0003	LF	Curb And Gutter Note: Assembly task as per GreenBook Specifications.	34.00
32 05 23 00-0004	UNT	Surface Preperation And Crack Seal (Based on 3% of total cost of asphalt) Note: Assembly task as per GreenBook Specifications. County Representative to decide value.	1,000.00
32 05 23 00-0005	TON	>200 Ton Base Repair Note: Assembly task as per GreenBook Specifications.	175.00
32 05 23 00-0006	TON	<200 Ton Base Repair Note: Assembly task as per GreenBook Specifications.	150.00
32 05 23 00-0007	SF	Grinding Note: Assembly task as per GreenBook Specifications.	0.40
32 05 23 00-0008	SF	AC Taper with Key Note: Assembly task as per GreenBook Specifications.	0.62
32 05 23 00-0009	TON	Miscellaneous Paving Note: Assembly task as per GreenBook Specifications.	112.00
32 05 23 00-0010	MI	Shoulder Backing Note: Assembly task as per GreenBook Specifications.	15,940.00
32 05 23 00-0011	UNT	Traffic Control And Signage Note: Assembly task as per GreenBook Specifications.	1,000.00
32 05 23 00-0012	EA	Tree Removal Less Than 100" Girth Note: Assembly task as per GreenBook Specifications.	2,000.00
32 05 23 00-0013	EA	Tree Removal Over Than 100" Girth Note: Assembly task as per GreenBook Specifications.	4,000.00
32 05 23 00-0014	EA	Asphalt Index Adjustment Note: Assembly task as per GreenBook Specifications.	1.00

32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Decorative Landscape Boulders *(32 05 33)*
Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA	2' x 3' x 2' Oval Shape Boulders (approx 1000 lbs each)	344.01
32 05 33 00-0003	EA	3' x 3' x 2' Oval Shape Boulders (approx 1500 lbs each)	516.01
32 05 33 00-0004	EA	3' x 4' x 3' Oval Shape Boulders (approx 3000 lbs each)	1,032.02
32 05 33 00-0005	TON	Landscape Boulders	688.01

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	112.10
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	107.36

32 11 16 16-0005 Class II Base Courses By The SY *(32 11 16 16-0001)*

32 11 16 16-0006	SY	2" Class II Graded Crushed Aggregate Base Course	6.15
		For Up To 500, Add	*1.56*
		For >500 To 1,000, Add	*0.62*
		For >5,000 To 10,000, Deduct	*-0.23*
		For >10,000, Deduct	*-0.40*
32 11 16 16-0007	SY	4" Class II Crushed Aggregate Base Course	12.27
		For Up To 500, Add	*3.10*
		For >500 To 1,000, Add	*1.23*
		For >5,000 To 10,000, Deduct	*-0.47*
		For >10,000, Deduct	*-0.80*
32 11 16 16-0008	SY	6" Class II Crushed Aggregate Base Course	18.42
		For Up To 500, Add	*4.66*
		For >500 To 1,000, Add	*1.84*
		For >5,000 To 10,000, Deduct	*-0.70*
		For >10,000, Deduct	*-1.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0009	SY	9" Class II Crushed Aggregate Base Course	27.63	
		For Up To 500, Add	*6.99*	
		For >500 To 1,000, Add	*2.76*	
		For >5,000 To 10,000, Deduct	*-1.05*	
		For >10,000, Deduct	*-1.80*	
32 11 16 16-0010	SY	12" Class II Crushed Aggregate Base Course	36.83	
		For Up To 500, Add	*9.31*	
		For >500 To 1,000, Add	*3.68*	
		For >5,000 To 10,000, Deduct	*-1.40*	
		For >10,000, Deduct	*-2.39*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.77	
		For Up To 1,000, Add	*0.21*	
		For >1,000 To 2,500, Add	*0.08*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.08	
		For Up To 1,000, Add	*0.30*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.39	
		For Up To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.14*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.80	
		For Up To 1,000, Add	*0.50*	
		For >1,000 To 2,500, Add	*0.18*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.22	
		For Up To 1,000, Add	*0.61*	
		For >1,000 To 2,500, Add	*0.22*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.56	
		For Up To 1,000, Add	*0.70*	
		For >1,000 To 2,500, Add	*0.26*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.90	
		For Up To 1,000, Add	*0.80*	
		For >1,000 To 2,500, Add	*0.29*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	90.24	

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.65	
		For Up To 150, Add	*0.12*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.72	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.85	
		For Up To 150, Add	*0.17*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.92	
		For Up To 150, Add	*0.19*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.06*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.06	
		For Up To 150, Add	*0.23*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.12	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.88	
		For Up To 150, Add	*0.42*	
		For >150 To 300, Add	*0.19*	
		For >300 To 500, Add	*0.09*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.13*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.99	
		For Up To 150, Add	*0.45*	
		For >150 To 300, Add	*0.20*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.14*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.09	
		For Up To 150, Add	*0.48*	
		For >150 To 300, Add	*0.21*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.15*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0048 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 LB/CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	124.15	
		For PG64-10 Asphalt, Add	*13.47*	
		For Warm Mix Additive, Add	*5.84*	
		For Up To 25, Add	*18.60*	
		For >25 To 50, Add	*10.50*	
		For >500 To 1,000, Deduct	*-4.99*	
		For >1,000 To 2,500, Deduct	*-9.09*	
		For >2,500 To 5,000, Deduct	*-14.08*	
		For >5,000, Deduct	*-20.22*	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	7.10	
		For PG64-10 Asphalt, Add	*0.74*	
		For Up To 1,000, Add	*1.10*	
		For >1,000 To 2,000, Add	*0.63*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 50,000, Deduct	*-0.53*	
		For >50,000 To 100,000, Deduct	*-0.82*	
		For >100,000, Deduct	*-1.18*	
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	10.51	
		For PG64-10 Asphalt, Add	*1.11*	
		For Up To 700, Add	*1.61*	
		For >700 To 1,400, Add	*0.91*	
		For >7,000 To 14,000, Deduct	*-0.43*	
		For >14,000 To 32,000, Deduct	*-0.79*	
		For >32,000 To 64,000, Deduct	*-1.22*	
		For >64,000, Deduct	*-1.76*	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	13.45	
		For PG64-10 Asphalt, Add	*1.48*	
		For Up To 500, Add	*1.99*	
		For >500 To 1,000, Add	*1.12*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000 To 24,000, Deduct	*-1.03*	
		For >24,000 To 48,000, Deduct	*-1.60*	
		For >48,000, Deduct	*-2.30*	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	17.05	
		For PG64-10 Asphalt, Add	*1.85*	
		For Up To 400, Add	*2.55*	
		For >400 To 800, Add	*1.44*	
		For >4,000 To 8,000, Deduct	*-0.71*	
		For >8,000 To 20,000, Deduct	*-1.30*	
		For >20,000 To 40,000, Deduct	*-2.01*	
		For >40,000, Deduct	*-2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course	20.45	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.22*	
		For Up To 340, Add	*3.06*	
		For >340 To 680, Add	*2.47*	
		For >3,400 To 6,800, Deduct	*-0.85*	
		For >6,800 To 17,000, Deduct	*-1.56*	
		For >17,000 To 34,000, Deduct	*-2.41*	
		For >34,000, Deduct	*-3.47*	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	23.86	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.59*	
		For Up To 280, Add	*3.57*	
		For >280 To 560, Add	*2.02*	
		For >2,800 To 5,600, Deduct	*-1.00*	
		For >5,600 To 14,000, Deduct	*-1.82*	
		For >14,000 To 28,000, Deduct	*-2.81*	
		For >28,000, Deduct	*-4.05*	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course	27.27	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.96*	
		For Up To 250, Add	*4.09*	
		For >250 To 500, Add	*2.31*	
		For >2,500 To 5,000, Deduct	*-1.14*	
		For >5,000 To 12,000, Deduct	*-2.08*	
		For >12,000 To 24,000, Deduct	*-3.21*	
		For >24,000, Deduct	*-4.62*	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course	34.08	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.70*	
		For Up To 200, Add	*5.11*	
		For >200 To 400, Add	*2.88*	
		For >2,000 To 4,000, Deduct	*-1.42*	
		For >4,000 To 10,000, Deduct	*-2.60*	
		For >10,000 To 20,000, Deduct	*-4.02*	
		For >20,000, Deduct	*-5.78*	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course	40.91	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.44*	
		For Up To 160, Add	*6.13*	
		For >160 To 320, Add	*3.46*	
		For >1,600 To 3,200, Deduct	*-1.71*	
		For >3,200 To 8,000, Deduct	*-3.12*	
		For >8,000 To 16,000, Deduct	*-4.82*	
		For >16,000, Deduct	*-6.94*	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltrans requirements.

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY	128.64	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*2.14*	
		For Warm Mix Additive, Add	*5.57*	
		For Up To 25, Add	*20.60*	
		For >25 To 50, Add	*11.80*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000 To 2,500, Deduct	*-8.97*	
		For >2,500 To 5,000, Deduct	*-13.88*	
		For >5,000, Deduct	*-19.97*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	143.51	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*6.07*	
		For Up To 25, Add	*23.37*	
		For >25 To 50, Add	*13.44*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000 To 2,500, Deduct	*-9.87*	
		For >2,500 To 5,000, Deduct	*-15.28*	
		For >5,000, Deduct	*-21.98*	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course	152.08	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*6.63*	
		For Up To 25, Add	*24.23*	
		For >25 To 50, Add	*13.87*	
		For >500 To 1,000, Deduct	*-5.83*	
		For >1,000 To 2,500, Deduct	*-10.65*	
		For >2,500 To 5,000, Deduct	*-16.48*	
		For >5,000, Deduct	*-23.70*	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course	7.08	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.11*	
		For Up To 1,000, Add	*1.17*	
		For >1,000 To 2,000, Add	*0.68*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000 To 50,000, Deduct	*-0.51*	
		For >50,000 To 100,000, Deduct	*-0.78*	
		For >100,000, Deduct	*-1.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	10.45	
		For PG64-10 Asphalt, Add	*0.17*	
		For Up To 700, Add	*1.71*	
		For >700 To 1,400, Add	*0.99*	
		For >7,000 To 14,000, Deduct	*-0.41*	
		For >14,000 To 32,000, Deduct	*-0.76*	
		For >32,000 To 64,000, Deduct	*-1.17*	
		For >64,000, Deduct	*-1.68*	
32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	13.27	
		For PG64-10 Asphalt, Add	*0.22*	
		For Up To 500, Add	*2.10*	
		For >500 To 1,000, Add	*1.20*	
		For >5,000 To 10,000, Deduct	*-0.53*	
		For >10,000 To 24,000, Deduct	*-0.98*	
		For >24,000 To 48,000, Deduct	*-1.51*	
		For >48,000, Deduct	*-2.18*	
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	16.85	
		For PG64-10 Asphalt, Add	*0.28*	
		For Up To 400, Add	*2.70*	
		For >400 To 800, Add	*1.55*	
		For >4,000 To 8,000, Deduct	*-0.67*	
		For >8,000 To 20,000, Deduct	*-1.24*	
		For >20,000 To 40,000, Deduct	*-1.91*	
		For >40,000, Deduct	*-2.75*	
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	20.22	
		For PG64-10 Asphalt, Add	*0.34*	
		For Up To 340, Add	*3.24*	
		For >340 To 680, Add	*2.53*	
		For >3,400 To 6,800, Deduct	*-0.81*	
		For >6,800 To 17,000, Deduct	*-1.48*	
		For >17,000 To 34,000, Deduct	*-2.29*	
		For >34,000, Deduct	*-3.30*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	96.76	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	366.95	

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	11.37	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	10.97	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	16.34	

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.97	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.33*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.12	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	34.64	
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	25.45	
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	14.97	

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.77	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.07	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 33 00-0004		Bituminous Surface Treatment For Trails *(32 12 33)* Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.78	
32 12 36		**Seal Coats** *(32 12)* See CSI section 32 01 13 62-0000 for slurry seal.		
32 12 36 13		**Asphaltic Seal and Fog Coats** *(32 12 36)*		
32 12 36 13-0001		Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)* Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002		Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.88	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.38	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.17	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.91	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.78	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.67	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.53	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.47	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0011		Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.69	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.13	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.85	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.69	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.39	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.20	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.04	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.95	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0020		Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.45	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.81	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.49	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.13	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.94	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.66	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.48	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.39	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0029		Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.52	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.88	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.57	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.22	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.03	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.84	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.58	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.47	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	

32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.77	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.94	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.48	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.95	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.66	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.31	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.03	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.90	
		For Each Additional 0.5% Latex Additive, Add	*1.41*	

32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.

32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.40	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.11	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.91	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.70	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.59	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.48	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.38	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.33	
		For Each Additional 0.5% Latex Additive, Add	*0.57*	

32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.22	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.89	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.67	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.51	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.20	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.02	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.88	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.82	
		For Each Additional 0.5% Latex Additive, Add	*0.71*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.03	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.60	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.30	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.95	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.77	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.50	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.33	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.26	
		For Each Additional 0.5% Latex Additive, Add	*0.85*	

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.13	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.70	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.38	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.01	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.84	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.67	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.42	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.36	
		For Each Additional 0.5% Latex Additive, Add	*0.97*	

32 12 36 13-0084 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal	1.94
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.41
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.20
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.03
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.93
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.86
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.80
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal	0.77

32 12 36 13-0093 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094	SY	Up To 200 SY, Sand Seal	2.84
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal	1.87
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal	1.85
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal	1.62
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal	1.51
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal	1.41
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal	1.34
32 12 36 13-0101	SY	>50,000 SY, Sand Seal	1.31

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.08
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	15.13
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	13.34
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.99
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	10.19
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	8.40
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	19.56
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	18.49
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	16.34
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	14.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	12.59	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	10.44	

32 12 36 23 Fuel-Resistant Sealers *(32 12 36)*

32 12 36 23-0001 Guardtop Seal Coat *(32 12 36 23)*

Note: Includes sweeping and cleaning of area.

32 12 36 23-0002	SY	GuardTop® Asphalt Based Sealcoat (Two Coats)	3.25	
		For 3% Polyglass Additive, Add	*0.40*	
		For 6% Polyglass Additive, Add	*0.72*	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*	
32 12 36 23-0003	LF	GuardTop® Cold Pour Crack Filler	1.35	
32 12 36 23-0004	LF	GuardTop® Hot Pour Crack Filler	1.55	
32 12 36 23-0005	SY	GuardTop® Oil Spot Primer For Asphalt	5.96	
32 12 36 23-0006	SY	GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats)	4.33	
		For 3% Polyglass Additive, Add	*0.40*	
		For 6% Polyglass Additive, Add	*0.72*	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	37.71	
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
		For Up To 100, Add	*12.53*	
		For >100 To 500, Add	*3.12*	
		For >1,000 To 5,000, Deduct	*-1.24*	
		For >5,000, Deduct	*-2.62*	

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.28	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	57.38	
		For 2,500 PSI Concrete, Deduct	*-2.99*	
		For 3,000 PSI Concrete, Deduct	*-1.95*	
		For 3,500 PSI Concrete, Deduct	*-1.56*	
		For 4,000 PSI Concrete, Deduct	*-0.68*	
		For 5,000 PSI Concrete, Add	*0.42*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.38*	
		For <12' Wide Pass, Add	*10.44*	
		For 24' Or Greater Wide Pass, Deduct	*-11.48*	
		For Air Entrainment, Add	*1.30*	
		For Slipforming, Deduct	*-5.74*	
		For Up To 100, Add	*24.02*	
		For >100 To 250, Add	*13.31*	
		For >250 To 500, Add	*6.66*	
		For >1,000 To 2,000, Deduct	*-1.30*	
		For >2,000 To 5,000, Deduct	*-2.74*	
		For >5,000 To 10,000, Deduct	*-4.17*	
		For >10,000 To 20,000, Deduct	*-5.60*	
		For >20,000, Deduct	*-7.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	67.51	
		For 2,500 PSI Concrete, Deduct	*-3.75*	
		For 3,000 PSI Concrete, Deduct	*-2.45*	
		For 3,500 PSI Concrete, Deduct	*-1.96*	
		For 4,000 PSI Concrete, Deduct	*-0.85*	
		For 5,000 PSI Concrete, Add	*0.52*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.24*	
		For <12' Wide Pass, Add	*11.98*	
		For 24' Or Greater Wide Pass, Deduct	*-13.50*	
		For Air Entrainment, Add	*1.63*	
		For Slipforming, Deduct	*-6.75*	
		For Up To 100, Add	*27.45*	
		For >100 To 250, Add	*15.36*	
		For >250 To 500, Add	*7.68*	
		For >1,000 To 2,000, Deduct	*-1.63*	
		For >2,000 To 5,000, Deduct	*-3.32*	
		For >5,000 To 10,000, Deduct	*-5.01*	
		For >10,000 To 20,000, Deduct	*-6.70*	
		For >20,000, Deduct	*-8.38*	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	72.20	
		For 2,500 PSI Concrete, Deduct	*-3.96*	
		For 3,000 PSI Concrete, Deduct	*-2.58*	
		For 3,500 PSI Concrete, Deduct	*-2.07*	
		For 4,000 PSI Concrete, Deduct	*-0.90*	
		For 5,000 PSI Concrete, Add	*0.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.48*	
		For <12' Wide Pass, Add	*12.89*	
		For 24' Or Greater Wide Pass, Deduct	*-14.44*	
		For Air Entrainment, Add	*1.72*	
		For Slipforming, Deduct	*-7.22*	
		For Up To 100, Add	*29.55*	
		For >100 To 250, Add	*16.50*	
		For >250 To 500, Add	*8.25*	
		For >1,000 To 2,000, Deduct	*-1.72*	
		For >2,000 To 5,000, Deduct	*-3.53*	
		For >5,000 To 10,000, Deduct	*-5.33*	
		For >10,000 To 20,000, Deduct	*-7.14*	
		For >20,000, Deduct	*-8.94*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	85.26	
		For 2,500 PSI Concrete, Deduct	*-4.99*	
		For 3,000 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Deduct	*-2.61*	
		For 4,000 PSI Concrete, Deduct	*-1.13*	
		For 5,000 PSI Concrete, Add	*0.69*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.65*	
		For <12' Wide Pass, Add	*14.80*	
		For 24' Or Greater Wide Pass, Deduct	*-17.05*	
		For Air Entrainment, Add	*2.17*	
		For Slipforming, Deduct	*-8.53*	
		For Up To 100, Add	*33.78*	
		For >100 To 250, Add	*19.06*	
		For >250 To 500, Add	*9.53*	
		For >1,000 To 2,000, Deduct	*-2.17*	
		For >2,000 To 5,000, Deduct	*-4.30*	
		For >5,000 To 10,000, Deduct	*-6.43*	
		For >10,000 To 20,000, Deduct	*-8.57*	
		For >20,000, Deduct	*-10.70*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	97.86	
		For 2,500 PSI Concrete, Deduct	*-5.48*	
		For 3,000 PSI Concrete, Deduct	*-3.57*	
		For 3,500 PSI Concrete, Deduct	*-2.86*	
		For 4,000 PSI Concrete, Deduct	*-1.24*	
		For 5,000 PSI Concrete, Add	*0.76*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.20*	
		For <12' Wide Pass, Add	*17.32*	
		For 24' Or Greater Wide Pass, Deduct	*-19.57*	
		For Air Entrainment, Add	*2.38*	
		For Slipforming, Deduct	*-9.79*	
		For Up To 100, Add	*39.65*	
		For >100 To 250, Add	*22.21*	
		For >250 To 500, Add	*11.10*	
		For >1,000 To 2,000, Deduct	*-2.38*	
		For >2,000 To 5,000, Deduct	*-4.83*	
		For >5,000 To 10,000, Deduct	*-7.28*	
		For >10,000 To 20,000, Deduct	*-9.72*	
		For >20,000, Deduct	*-12.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	110.50	
		For 2,500 PSI Concrete, Deduct	*-6.33*	
		For 3,000 PSI Concrete, Deduct	*-4.13*	
		For 3,500 PSI Concrete, Deduct	*-3.30*	
		For 4,000 PSI Concrete, Deduct	*-1.43*	
		For 5,000 PSI Concrete, Add	*0.88*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.16*	
		For <12' Wide Pass, Add	*19.36*	
		For 24' Or Greater Wide Pass, Deduct	*-22.10*	
		For Air Entrainment, Add	*2.75*	
		For Slipforming, Deduct	*-11.05*	
		For Up To 100, Add	*44.27*	
		For >100 To 250, Add	*24.89*	
		For >250 To 500, Add	*12.44*	
		For >1,000 To 2,000, Deduct	*-2.75*	
		For >2,000 To 5,000, Deduct	*-5.52*	
		For >5,000 To 10,000, Deduct	*-8.28*	
		For >10,000 To 20,000, Deduct	*-11.04*	
		For >20,000, Deduct	*-13.80*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	123.32	
		For 2,500 PSI Concrete, Deduct	*-6.97*	
		For 3,000 PSI Concrete, Deduct	*-4.54*	
		For 3,500 PSI Concrete, Deduct	*-3.63*	
		For 4,000 PSI Concrete, Deduct	*-1.58*	
		For 5,000 PSI Concrete, Add	*0.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.88*	
		For <12' Wide Pass, Add	*21.74*	
		For 24' Or Greater Wide Pass, Deduct	*-24.66*	
		For Air Entrainment, Add	*3.03*	
		For Slipforming, Deduct	*-12.33*	
		For Up To 100, Add	*49.76*	
		For >100 To 250, Add	*27.91*	
		For >250 To 500, Add	*13.95*	
		For >1,000 To 2,000, Deduct	*-3.03*	
		For >2,000 To 5,000, Deduct	*-6.11*	
		For >5,000 To 10,000, Deduct	*-9.20*	
		For >10,000 To 20,000, Deduct	*-12.28*	
		For >20,000, Deduct	*-15.36*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	147.03	
		For 2,500 PSI Concrete, Deduct	*-8.25*	
		For 3,000 PSI Concrete, Deduct	*-5.38*	
		For 3,500 PSI Concrete, Deduct	*-4.30*	
		For 4,000 PSI Concrete, Deduct	*-1.87*	
		For 5,000 PSI Concrete, Add	*1.15*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.33*	
		For <12' Wide Pass, Add	*26.00*	
		For 24' Or Greater Wide Pass, Deduct	*-29.41*	
		For Air Entrainment, Add	*3.59*	
		For Slipforming, Deduct	*-14.70*	
		For Up To 100, Add	*59.52*	
		For >100 To 250, Add	*33.35*	
		For >250 To 500, Add	*16.67*	
		For >1,000 To 2,000, Deduct	*-3.59*	
		For >2,000 To 5,000, Deduct	*-7.26*	
		For >5,000 To 10,000, Deduct	*-10.94*	
		For >10,000 To 20,000, Deduct	*-14.61*	
		For >20,000, Deduct	*-18.29*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	188.03	
		For 2,500 PSI Concrete, Deduct	*-10.13*	
		For 3,000 PSI Concrete, Deduct	*-6.61*	
		For 3,500 PSI Concrete, Deduct	*-5.29*	
		For 4,000 PSI Concrete, Deduct	*-2.29*	
		For 5,000 PSI Concrete, Add	*1.41*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.45*	
		For <12' Wide Pass, Add	*33.79*	
		For 24' Or Greater Wide Pass, Deduct	*-37.61*	
		For Air Entrainment, Add	*4.41*	
		For Slipforming, Deduct	*-18.80*	
		For Up To 100, Add	*77.58*	
		For >100 To 250, Add	*43.19*	
		For >250 To 500, Add	*21.60*	
		For >1,000 To 2,000, Deduct	*-4.41*	
		For >2,000 To 5,000, Deduct	*-9.11*	
		For >5,000 To 10,000, Deduct	*-13.81*	
		For >10,000 To 20,000, Deduct	*-18.51*	
		For >20,000, Deduct	*-23.21*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	4.99	

32 13 43 Pervious Concrete Paving *(32 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 43 00-0001		Pervious Concrete Assemblies *(32 13 43)* Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	18.61	
		For >5,000 To 30,000, Deduct	*-1.99*	
		For >30,000 To 100,000, Deduct	*-3.65*	
		For >100,000, Deduct	*-4.53*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	23.59	
		For >5,000 To 30,000, Deduct	*-2.45*	
		For >30,000 To 100,000, Deduct	*-4.42*	
		For >100,000, Deduct	*-5.49*	
32 13 73		**Concrete Paving Joint Sealants** *(32 13)*		
32 13 73 13		**Fuel-Resistant Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 13-0001		Concrete Pavement Joint And Crack Repair *(32 13 73 13)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002		Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*		
32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	649.63	
		For Custom Match Coloring, Add	*21.94*	
		For 1 Part Mildew Resistant, Add	*31.99*	
		For High-Modulus Non-Acid Curing, Add	*18.28*	
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	732.55	
		For Custom Match Coloring, Add	*32.91*	
		For 1 Part Mildew Resistant, Add	*47.99*	
		For High-Modulus Non-Acid Curing, Add	*27.42*	
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	815.47	
		For Custom Match Coloring, Add	*43.88*	
		For 1 Part Mildew Resistant, Add	*63.99*	
		For High-Modulus Non-Acid Curing, Add	*36.56*	
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	838.32	
		For Custom Match Coloring, Add	*49.36*	
		For 1 Part Mildew Resistant, Add	*71.98*	
		For High-Modulus Non-Acid Curing, Add	*41.13*	
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	925.48	
		For Custom Match Coloring, Add	*65.81*	
		For 1 Part Mildew Resistant, Add	*95.98*	
		For High-Modulus Non-Acid Curing, Add	*54.84*	
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,012.65	
		For Custom Match Coloring, Add	*82.27*	
		For 1 Part Mildew Resistant, Add	*119.97*	
		For High-Modulus Non-Acid Curing, Add	*68.56*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,118.43	
		For Custom Match Coloring, Add	*98.72*	
		For 1 Part Mildew Resistant, Add	*143.97*	
		For High-Modulus Non-Acid Curing, Add	*82.27*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,035.50	
		For Custom Match Coloring, Add	*87.75*	
		For 1 Part Mildew Resistant, Add	*127.97*	
		For High-Modulus Non-Acid Curing, Add	*73.13*	
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,201.33	
		For Custom Match Coloring, Add	*109.69*	
		For 1 Part Mildew Resistant, Add	*159.96*	
		For High-Modulus Non-Acid Curing, Add	*91.41*	
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,329.96	
		For Custom Match Coloring, Add	*131.63*	
		For 1 Part Mildew Resistant, Add	*191.96*	
		For High-Modulus Non-Acid Curing, Add	*109.69*	
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,458.58	
		For Custom Match Coloring, Add	*153.57*	
		For 1 Part Mildew Resistant, Add	*223.95*	
		For High-Modulus Non-Acid Curing, Add	*127.97*	
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,568.60	
		For Custom Match Coloring, Add	*175.50*	
		For 1 Part Mildew Resistant, Add	*255.94*	
		For High-Modulus Non-Acid Curing, Add	*146.25*	
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,678.61	
		For Custom Match Coloring, Add	*197.44*	
		For 1 Part Mildew Resistant, Add	*287.93*	
		For High-Modulus Non-Acid Curing, Add	*164.53*	
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,035.76	
		For Custom Match Coloring, Add	*274.22*	
		For 1 Part Mildew Resistant, Add	*399.91*	
		For High-Modulus Non-Acid Curing, Add	*228.52*	
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,392.90	
		For Custom Match Coloring, Add	*351.01*	
		For 1 Part Mildew Resistant, Add	*511.89*	
		For High-Modulus Non-Acid Curing, Add	*292.51*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 16		**Field-Molded Concrete Paving Joint Sealants** *(32 13 73)*			
32 13 73 16-0001		Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.			
32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric		13.11	
32 13 73 19		**Compression Concrete Paving Joint Sealants** *(32 13 73)*			
32 13 73 19-0001		Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)* Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.			
32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		11.99	2.76
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		12.63	2.82
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		13.53	2.87
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		16.48	2.93
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		19.49	3.00
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		25.35	3.05
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		38.38	3.12
32 14		**Unit Paving** *(32 10)*			
32 14 09		**Paver Restraints** *(32 14)*			
32 14 09 00-0001		Paver Restraints *(32 14 09)* Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.			
32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint		5.26	1.23
		For >1,000 To 2,000, Deduct	*-0.73*		
		For >2,000 To 4,000, Deduct	*-1.06*		
		For >4,000, Deduct	*-1.35*		
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint		5.70	1.23
		For >500 To 1,000, Deduct	*-0.19*		
		For >1,000 To 2,000, Deduct	*-0.37*		
		For >2,000, Deduct	*-0.56*		
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint		5.48	1.23
		For >250 To 500, Deduct	*-0.35*		
		For >500 To 1,000, Deduct	*-0.53*		
		For >1,000 To 1,500, Deduct	*-0.88*		
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint		6.47	1.23
		For >250 To 500, Deduct	*-0.45*		
		For >500 To 1,000, Deduct	*-0.68*		
		For >1,000 To 1,500, Deduct	*-1.13*		
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint		8.36	1.23
		For >250 To 500, Deduct	*-0.64*		
		For >500 To 1,000, Deduct	*-0.96*		
		For >1,000 To 1,500, Deduct	*-1.60*		
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint		9.82	1.23
		For >250 To 500, Deduct	*-0.79*		
		For >500 To 1,000, Deduct	*-1.18*		
		For >1,000 To 1,500, Deduct	*-1.97*		
32 14 11		**Bedding for Unit Paving** *(32 14)*			
32 14 11 00-0001		Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)* Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.			
32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded		1.04	
		For Up To 100, Add	*0.46*		
		For >100 To 500, Add	*0.13*		
		For >1,000 To 5,000, Deduct	*-0.08*		
		For >5,000, Deduct	*-0.13*		
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded		1.24	
		For Up To 100, Add	*0.51*		
		For >100 To 500, Add	*0.14*		
		For >1,000 To 5,000, Deduct	*-0.08*		
		For >5,000, Deduct	*-0.13*		
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded		1.61	
		For Up To 100, Add	*0.64*		
		For >100 To 500, Add	*0.17*		
		For >1,000 To 5,000, Deduct	*-0.09*		
		For >5,000, Deduct	*-0.16*		
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded		2.05	
		For Up To 100, Add	*0.80*		
		For >100 To 500, Add	*0.22*		
		For >1,000 To 5,000, Deduct	*-0.11*		
		For >5,000, Deduct	*-0.20*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0006	SF	1" Mortar Bedding	3.12	
		For Up To 100, Add	*1.43*	
		For >100 To 500, Add	*0.41*	
		For >1,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.40*	
32 14 11 00-0007	SF	2" Mortar Bedding	4.53	
		For Up To 100, Add	*1.99*	
		For >100 To 500, Add	*0.57*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.55*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.63	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.22*	
		For >1,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.21*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	10.86	3.22
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.98*	
		For 3-1/8" Concrete Paver, Add	*1.59*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.87*	
		For Up To 100, Add	*4.33*	
		For >100 To 500, Add	*1.19*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.10*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	10.28	2.93
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.96*	
		For 3-1/8" Concrete Paver, Add	*1.54*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.81*	
		For Up To 100, Add	*4.04*	
		For >100 To 500, Add	*1.10*	
		For >1,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-1.01*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	9.74	2.33
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.93*	
		For 3-1/8" Concrete Paver, Add	*1.50*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.75*	
		For Up To 100, Add	*3.77*	
		For >100 To 500, Add	*1.02*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.93*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	9.25	2.42
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.90*	
		For 3-1/8" Concrete Paver, Add	*1.47*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.70*	
		For Up To 100, Add	*3.52*	
		For >100 To 500, Add	*0.95*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.86*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	10.00	2.79
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*0.94*	
		For 3-1/8" Concrete Paver, Add	*1.52*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.78*	
		For Up To 100, Add	*3.90*	
		For >100 To 500, Add	*1.06*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.97*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	12.26	2.79
		For Up To 100, Add	*4.46*	
		For >100 To 500, Add	*1.17*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.04*	

32 14 16 Brick Unit Paving *(32 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 16 00-0001		**Brick Paver Sidewalk** *(32 14 16)* Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	15.22	3.22
		For 1-3/8" Thick Paver, Deduct	*-3.39*	
		For 2-3/4" Thick Paver (Vehicular), Add	*7.81*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.08*	
		For Up To 100, Add	*5.42*	
		For >100 To 500, Add	*1.41*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.23*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	22.93	3.67
		For 1-3/8" Thick Paver, Deduct	*-5.82*	
		For 2-3/4" Thick Paver (Vehicular), Add	*13.67*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.51*	
		For Up To 100, Add	*7.57*	
		For >100 To 500, Add	*1.88*	
		For >1,000 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.57*	
32 14 33		**Plastic Paving** *(32 14)*		
32 14 33 13		**Permeable Plastic Paving** *(32 14 33)*		
32 14 33 13-0001		**Turf Block Plastic Paving** *(32 14 33 13)*		
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	18.82	2.79
		For Up To 100, Add	*6.10*	
		For >100 To 500, Add	*1.50*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.24*	
32 14 40		**Stone Paving** *(32 14)*		
32 14 40 00-0001		**Slate Paver Sidewalk** *(32 14 40)* Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	16.17	2.67
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.08*	
		For 1/4" Thick Paver, Deduct	*-8.27*	
		For 1/2" Thick Paver, Deduct	*-5.79*	
		For Up To 100, Add	*5.38*	
		For >100 To 500, Add	*1.34*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.12*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	15.68	2.42
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.03*	
		For 1/4" Thick Paver, Deduct	*-8.15*	
		For 1/2" Thick Paver, Deduct	*-5.71*	
		For Up To 100, Add	*5.13*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-1.05*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	14.85	2.00
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For 1/4" Thick Paver, Deduct	*-7.94*	
		For 1/2" Thick Paver, Deduct	*-5.59*	
		For Up To 100, Add	*4.72*	
		For >100 To 500, Add	*1.14*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.93*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	14.48	1.82
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.91*	
		For 1/4" Thick Paver, Deduct	*-7.85*	
		For 1/2" Thick Paver, Deduct	*-5.53*	
		For Up To 100, Add	*4.53*	
		For >100 To 500, Add	*1.09*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.87*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	15.22	2.19
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.98*	
		For 1/4" Thick Paver, Deduct	*-8.03*	
		For 1/2" Thick Paver, Deduct	*-5.64*	
		For Up To 100, Add	*4.90*	
		For >100 To 500, Add	*1.20*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0007		Granite Paver Sidewalk *(32 14 40)* Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	26.12	2.67
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.57*	
		For 2" Granite Paver, Add	*1.31*	
		For 3" Granite Paver, Add	*2.61*	
		For 4" Granite Paver, Add	*2.88*	
		For Up To 100, Add	*7.86*	
		For >100 To 500, Add	*1.84*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.42*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.	25.63	2.42
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.52*	
		For 2" Granite Paver, Add	*1.28*	
		For 3" Granite Paver, Add	*2.56*	
		For 4" Granite Paver, Add	*2.81*	
		For Up To 100, Add	*7.62*	
		For >100 To 500, Add	*1.77*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-1.35*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	24.80	2.00
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.44*	
		For 2" Granite Paver, Add	*1.24*	
		For 3" Granite Paver, Add	*2.48*	
		For 4" Granite Paver, Add	*2.68*	
		For Up To 100, Add	*7.20*	
		For >100 To 500, Add	*1.64*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-1.23*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.	24.43	1.82
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.40*	
		For 2" Granite Paver, Add	*1.22*	
		For 3" Granite Paver, Add	*2.44*	
		For 4" Granite Paver, Add	*2.63*	
		For Up To 100, Add	*7.02*	
		For >100 To 500, Add	*1.59*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-1.17*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	25.17	2.19
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.48*	
		For 2" Granite Paver, Add	*1.26*	
		For 3" Granite Paver, Add	*2.52*	
		For 4" Granite Paver, Add	*2.74*	
		For Up To 100, Add	*7.39*	
		For >100 To 500, Add	*1.70*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-1.28*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 15 40 00-0001		Gravel Surfacing And Spreading *(32 15 40)* Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY	Gravel Surfacing And Spreading	106.83	
32 15 40 00-0003		Limestone Screenings *(32 15 40)* Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY	Limestone Screenings For Trail	59.90	
32 15 40 00-0005		Decomposed Granite *(32 15 40)* Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts.	19.64	
		For Additional 2" Lift	*9.82*	
		For >45 To 180, Deduct	*-1.31*	
		For >180 To 450, Deduct	*-1.65*	
		For >450, Deduct	*-1.98*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		section 02 41 19 13-0059 for additional saw cuts within the 100'.		
32 16 13 13		**Cast-In-Place Concrete Curbs and Gutters** *(32 16 13)* Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0001		Cast In Place Concrete Curbs Assemblies *(32 16 13 13)* Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Curb (Type A1-6)	21.51	10.51
		For Mountable Curb, Add	*1.42*	
		For Up To 20, Add	*12.71*	
		For >20 To 50, Add	*7.19*	
		For >50 To 100, Add	*2.76*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-4.67*	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	24.46	12.09
		For Mountable Curb, Add	*1.67*	
		For Up To 20, Add	*14.62*	
		For >20 To 50, Add	*8.28*	
		For >50 To 100, Add	*3.17*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-5.36*	
32 16 13 13-0004	LF	6" x 14" Cast In Place Concrete Curb (Type A1-8)	23.46	10.51
		For Mountable Curb, Add	*1.56*	
		For Up To 20, Add	*13.89*	
		For >20 To 50, Add	*7.86*	
		For >50 To 100, Add	*3.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-5.10*	
32 16 13 13-0005	LF	6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	26.71	12.09
		For Mountable Curb, Add	*1.83*	
		For Up To 20, Add	*15.99*	
		For >20 To 50, Add	*9.06*	
		For >50 To 100, Add	*3.46*	
		For >500 To 1,000, Deduct	*-3.46*	
		For >1,000, Deduct	*-5.86*	
32 16 13 13-0006	LF	6" x 16" Cast In Place Concrete Curb	25.63	10.51
		For Mountable Curb, Add	*1.69*	
		For Up To 20, Add	*15.11*	
		For >20 To 50, Add	*8.55*	
		For >50 To 100, Add	*3.28*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000, Deduct	*-5.56*	
32 16 13 13-0007	LF	6" x 16" Cast In Place Concrete Curb - Radius	29.09	15.77
		For Mountable Curb, Add	*1.98*	
		For Up To 20, Add	*17.38*	
		For >20 To 50, Add	*9.85*	
		For >50 To 100, Add	*3.77*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-6.38*	
32 16 13 13-0008	LF	6" x 18" Cast In Place Concrete Curb	27.34	10.51
		For Mountable Curb, Add	*1.79*	
		For Up To 20, Add	*16.09*	
		For >20 To 50, Add	*9.11*	
		For >50 To 100, Add	*3.49*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-5.92*	
32 16 13 13-0009	LF	6" x 18" Cast In Place Concrete Curb - Radius	30.73	12.09
		For Mountable Curb, Add	*2.06*	
		For Up To 20, Add	*18.24*	
		For >20 To 50, Add	*10.33*	
		For >50 To 100, Add	*3.95*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-6.70*	
32 16 13 13-0010	LF	6" x 24" Cast In Place Concrete Curb	31.06	11.57
		For Mountable Curb, Add	*1.91*	
		For Up To 20, Add	*17.90*	
		For >20 To 50, Add	*10.12*	
		For >50 To 100, Add	*3.89*	
		For >500 To 1,000, Deduct	*-3.89*	
		For >1,000, Deduct	*-6.61*	
32 16 13 13-0011	LF	6" x 24" Cast In Place Concrete Curb - Radius	34.57	13.14
		For Mountable Curb, Add	*2.17*	
		For Up To 20, Add	*20.05*	
		For >20 To 50, Add	*11.34*	
		For >50 To 100, Add	*4.36*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-7.40*	
32 16 13 13-0012	LF	12" x 24" Cast In Place Concrete Curb	39.20	13.14
		For Mountable Curb, Add	*1.92*	
		For Up To 20, Add	*20.98*	
		For >20 To 50, Add	*11.80*	
		For >50 To 100, Add	*4.59*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000, Deduct	*-7.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0013	LF	12" x 24" Cast In Place Concrete Curb - Radius	43.49	14.71
		For Mountable Curb, Add	*2.17*	
		For Up To 20, Add	*23.42*	
		For >20 To 50, Add	*13.18*	
		For >50 To 100, Add	*5.12*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000, Deduct	*-8.77*	
32 16 13 13-0014	EA	Additional Finish For Handicap Drop Section In Curb	78.83	
32 16 13 13-0015		**Cast In Place Concrete Curb And Gutter Assemblies** *(32 16 13 13)*		
		Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0016	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	28.69	12.69
		For Up To 20, Add	*19.44*	
		For >20 To 50, Add	*10.83*	
		For >50 To 100, Add	*4.30*	
		For >500 To 1,000, Deduct	*-3.66*	
		For >1,000, Deduct	*-6.20*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.87*	
32 16 13 13-0017	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	31.15	16.93
		For Up To 20, Add	*21.12*	
		For >20 To 50, Add	*11.78*	
		For >50 To 100, Add	*4.67*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000, Deduct	*-6.76*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.06*	
32 16 13 13-0018	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	35.95	14.07
		For Up To 20, Add	*24.37*	
		For >20 To 50, Add	*13.59*	
		For >50 To 100, Add	*5.39*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000, Deduct	*-7.80*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.37*	
32 16 13 13-0019	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	39.58	15.66
		For Up To 20, Add	*26.87*	
		For >20 To 50, Add	*15.00*	
		For >50 To 100, Add	*5.94*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000, Deduct	*-8.64*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.66*	
32 16 13 13-0020	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	43.19	16.93
		For Up To 20, Add	*29.30*	
		For >20 To 50, Add	*16.34*	
		For >50 To 100, Add	*6.48*	
		For >500 To 1,000, Deduct	*-5.54*	
		For >1,000, Deduct	*-9.40*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.87*	
32 16 13 13-0021	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6)	47.99	19.05
		For Up To 20, Add	*32.60*	
		For >20 To 50, Add	*18.20*	
		For >50 To 100, Add	*7.20*	
		For >500 To 1,000, Deduct	*-6.21*	
		For >1,000, Deduct	*-10.51*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.26*	
32 16 13 13-0022	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And 8" Face - Straight	45.30	16.93
		For Up To 20, Add	*30.74*	
		For >20 To 50, Add	*17.15*	
		For >50 To 100, Add	*6.80*	
		For >500 To 1,000, Deduct	*-5.82*	
		For >1,000, Deduct	*-9.86*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.02*	
		For Tapered Gutter With Level Bottom (Type A2-6 Or 8), Add	*0.98*	
32 16 13 13-0023	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And 8" Face - Radius	50.35	19.05
		For Up To 20, Add	*34.21*	
		For >20 To 50, Add	*19.10*	
		For >50 To 100, Add	*7.55*	
		For >500 To 1,000, Deduct	*-6.52*	
		For >1,000, Deduct	*-11.03*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.43*	
		For Tapered Gutter With Level Bottom (Type A2-6 Or 8), Add	*1.04*	
32 16 13 13-0024	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	50.99	20.10
		For Up To 20, Add	*34.61*	
		For >20 To 50, Add	*19.32*	
		For >50 To 100, Add	*7.65*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000, Deduct	*-11.13*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.43*	
32 16 13 13-0025	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	55.91	22.22
		For Up To 20, Add	*37.99*	
		For >20 To 50, Add	*21.22*	
		For >50 To 100, Add	*8.39*	
		For >500 To 1,000, Deduct	*-7.24*	
		For >1,000, Deduct	*-12.26*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0026	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	58.76	23.27
		For Up To 20, Add	*39.91*	
		For >20 To 50, Add	*22.28*	
		For >50 To 100, Add	*8.81*	
		For >500 To 1,000, Deduct	*-7.59*	
		For >1,000, Deduct	*-12.86*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.98*	
32 16 13 13-0027	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	63.81	25.39
		For Up To 20, Add	*43.36*	
		For >20 To 50, Add	*24.22*	
		For >50 To 100, Add	*9.57*	
		For >500 To 1,000, Deduct	*-8.27*	
		For >1,000, Deduct	*-14.00*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.36*	
32 16 13 13-0028	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	66.55	26.44
		For Up To 20, Add	*45.22*	
		For >20 To 50, Add	*25.25*	
		For >50 To 100, Add	*9.98*	
		For >500 To 1,000, Deduct	*-8.62*	
		For >1,000, Deduct	*-14.59*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.54*	
32 16 13 13-0029	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	73.82	29.62
		For Up To 20, Add	*50.22*	
		For >20 To 50, Add	*28.07*	
		For >50 To 100, Add	*11.07*	
		For >500 To 1,000, Deduct	*-9.62*	
		For >1,000, Deduct	*-16.27*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.12*	

32 16 13 13-0030 Curb And Parkway Drains *(32 16 13 13)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 13-0031	EA	Case I Inlet Structure For Curb Drain	2,341.44
32 16 13 13-0032	EA	Case II Inlet Structure For Curb Drain	2,199.44
32 16 13 13-0033	EA	Up To 30" Wide Inlet Type I Structure For Parkway Drain	2,404.71
32 16 13 13-0034	EA	36" Wide Inlet Type I Structure For Parkway Drain	2,451.87
32 16 13 13-0035	EA	42" Wide Inlet Type I Structure For Parkway Drain	2,499.95
32 16 13 13-0036	EA	48" Wide Inlet Type I Structure For Parkway Drain	2,543.48
32 16 13 13-0037	EA	54" Wide Inlet Type I Structure For Parkway Drain	2,612.56
32 16 13 13-0038	EA	60" Wide Inlet Type I Structure For Parkway Drain	2,663.77
32 16 13 13-0039	EA	66" Wide Inlet Type I Structure For Parkway Drain	2,710.08
32 16 13 13-0040	EA	72" Wide Inlet Type I Structure For Parkway Drain	2,758.84
32 16 13 13-0041	LF	Up To 30" Wide x 4" Concrete Duct For Parkway Drain	150.47
32 16 13 13-0042	LF	42" Wide x 4" Concrete Duct For Parkway Drain	171.35
32 16 13 13-0043	LF	48" Wide x 4" Concrete Duct For Parkway Drain	192.23
32 16 13 13-0044	LF	54" Wide x 4" Concrete Duct For Parkway Drain	213.11
32 16 13 13-0045	LF	60" Wide x 4" Concrete Duct For Parkway Drain	233.99
32 16 13 13-0046	LF	66" Wide x 4" Concrete Duct For Parkway Drain	254.87
32 16 13 13-0047	LF	72" Wide x 4" Concrete Duct For Parkway Drain	275.76

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	1,578.03
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	11.38
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	15.97
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	14.94
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	20.51

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.30	5.79
		For Curved Section, Add	*3.89*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	19.08	6.58
		For Curved Section, Add	*4.38*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.51	7.37
		For Curved Section, Add	*5.33*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.19	8.29
		For Curved Section, Add	*6.21*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	38.00	9.08
		For Curved Section, Add	*7.20*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	49.66	11.58
		For Curved Section, Add	*9.29*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	57.49	15.01
		For Curved Section, Add	*11.35*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	177.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	1' Wide Cast In Place Concrete Valley Gutter, 6" Thick	15.78
32 16 13 19-0003	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	21.58
		For Up To 20, Add	*10.56*
		For >20 To 50, Add	*5.90*
		For >50 To 100, Add	*2.33*
		For >500 To 1,000, Deduct	*-2.33*
		For >1,000, Deduct	*-4.03*
32 16 13 19-0004	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	26.40
		For Up To 20, Add	*12.79*
		For >20 To 50, Add	*7.15*
		For >50 To 100, Add	*2.82*
		For >500 To 1,000, Deduct	*-2.82*
		For >1,000, Deduct	*-4.89*
32 16 13 19-0005	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	31.16
		For Up To 20, Add	*14.99*
		For >20 To 50, Add	*8.37*
		For >50 To 100, Add	*3.31*
		For >500 To 1,000, Deduct	*-3.31*
		For >1,000, Deduct	*-5.74*
32 16 13 19-0006	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.90
		For Up To 20, Add	*17.17*
		For >20 To 50, Add	*9.58*
		For >50 To 100, Add	*3.79*
		For >500 To 1,000, Deduct	*-3.79*
		For >1,000, Deduct	*-6.59*
32 16 13 19-0007	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	40.64
		For Up To 20, Add	*19.35*
		For >20 To 50, Add	*10.80*
		For >50 To 100, Add	*4.28*
		For >500 To 1,000, Deduct	*-4.28*
		For >1,000, Deduct	*-7.43*
32 16 13 19-0008	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	48.00
		For Up To 20, Add	*22.22*
		For >20 To 50, Add	*12.37*
		For >50 To 100, Add	*4.92*
		For >500 To 1,000, Deduct	*-4.92*
		For >1,000, Deduct	*-8.59*
32 16 13 19-0009	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	55.04
		For Up To 20, Add	*24.87*
		For >20 To 50, Add	*13.82*
		For >50 To 100, Add	*5.53*
		For >500 To 1,000, Deduct	*-5.53*
		For >1,000, Deduct	*-9.66*
32 16 13 19-0010	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	9.17
		For Up To 100, Add	*4.14*
		For >100 To 250, Add	*2.30*
		For >250 To 500, Add	*0.92*
		For >2,500 To 5,000, Deduct	*-0.92*
		For >5,000, Deduct	*-1.61*
32 16 13 19-0011	LF	1' Wide Cast In Place Concrete Valley Gutter, 7" Thick	17.07
		For Up To 20, Add	*9.33*
		For >20 To 50, Add	*5.26*
		For >50 To 100, Add	*2.04*
		For >500 To 1,000, Deduct	*-2.04*
		For >1,000, Deduct	*-3.48*
32 16 13 19-0012	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	23.61
		For Up To 20, Add	*11.29*
		For >20 To 50, Add	*6.30*
		For >50 To 100, Add	*2.49*
		For >500 To 1,000, Deduct	*-2.49*
		For >1,000, Deduct	*-4.33*
32 16 13 19-0013	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	29.12
		For Up To 20, Add	*13.84*
		For >20 To 50, Add	*7.72*
		For >50 To 100, Add	*3.06*
		For >500 To 1,000, Deduct	*-3.06*
		For >1,000, Deduct	*-5.32*
32 16 13 19-0014	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	34.18
		For Up To 20, Add	*16.07*
		For >20 To 50, Add	*8.96*
		For >50 To 100, Add	*3.56*
		For >500 To 1,000, Deduct	*-3.56*
		For >1,000, Deduct	*-6.19*
32 16 13 19-0015	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	39.41
		For Up To 20, Add	*18.42*
		For >20 To 50, Add	*10.27*
		For >50 To 100, Add	*4.08*
		For >500 To 1,000, Deduct	*-4.08*
		For >1,000, Deduct	*-7.10*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0016	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	44.64	
		For Up To 20, Add	*20.77*	
		For >20 To 50, Add	*11.57*	
		For >50 To 100, Add	*4.60*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000, Deduct	*-8.02*	
32 16 13 19-0017	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	52.82	
		For Up To 20, Add	*23.88*	
		For >20 To 50, Add	*13.27*	
		For >50 To 100, Add	*5.31*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-9.28*	
32 16 13 19-0018	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	60.69	
		For Up To 20, Add	*26.77*	
		For >20 To 50, Add	*14.85*	
		For >50 To 100, Add	*5.96*	
		For >500 To 1,000, Deduct	*-5.96*	
		For >1,000, Deduct	*-10.46*	
32 16 13 19-0019	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	10.12	
		For Up To 100, Add	*4.46*	
		For >100 To 250, Add	*2.48*	
		For >250 To 500, Add	*0.99*	
		For >2,500 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.74*	
32 16 13 19-0020	LF	1' Wide Cast In Place Concrete Valley Gutter, 8" Thick	17.49	
32 16 13 19-0021	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	23.89	
		For Up To 20, Add	*11.69*	
		For >20 To 50, Add	*6.54*	
		For >50 To 100, Add	*2.58*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-4.46*	
32 16 13 19-0022	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	29.25	
		For Up To 20, Add	*14.19*	
		For >20 To 50, Add	*7.93*	
		For >50 To 100, Add	*3.13*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000, Deduct	*-5.43*	
32 16 13 19-0023	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	34.52	
		For Up To 20, Add	*16.62*	
		For >20 To 50, Add	*9.28*	
		For >50 To 100, Add	*3.67*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000, Deduct	*-6.37*	
32 16 13 19-0024	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.79	
		For Up To 20, Add	*19.05*	
		For >20 To 50, Add	*10.64*	
		For >50 To 100, Add	*4.21*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000, Deduct	*-7.31*	
32 16 13 19-0025	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	45.06	
		For Up To 20, Add	*21.48*	
		For >20 To 50, Add	*11.99*	
		For >50 To 100, Add	*4.75*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-8.25*	
32 16 13 19-0026	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	53.20	
32 16 13 19-0027	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	60.98	
32 16 13 19-0028	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	10.17	
		For Up To 100, Add	*4.60*	
		For >100 To 250, Add	*2.56*	
		For >250 To 500, Add	*1.02*	
		For >2,500 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.79*	

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	41.55	11.09
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	49.18	12.75
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	43.77	11.09
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	52.11	12.75
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	44.78	11.09
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	53.28	12.75
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	47.28	11.09
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	56.46	12.75

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.65	5.92
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	15.30	6.58
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	16.85	7.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43		**Stone Curbs** *(32 16 13)*		
32 16 13 43-0001		Granite Curbs *(32 16 13 43)*		
32 16 13 43-0002		Split Face Granite Curbs *(32 16 13 43-0001)*		
32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	30.69	9.41
		For Up To 20, Add	*12.43*	
		For >20 To 50, Add	*6.84*	
		For >50 To 100, Add	*2.79*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-4.96*	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	36.36	10.28
		For Up To 20, Add	*14.11*	
		For >20 To 50, Add	*7.74*	
		For >50 To 100, Add	*3.19*	
		For >500 To 1,000, Deduct	*-3.19*	
		For >1,000, Deduct	*-5.69*	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	40.15	11.05
		For Up To 20, Add	*15.38*	
		For >20 To 50, Add	*8.43*	
		For >50 To 100, Add	*3.48*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000, Deduct	*-6.22*	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	47.63	11.92
		For Up To 20, Add	*17.42*	
		For >20 To 50, Add	*9.50*	
		For >50 To 100, Add	*3.96*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000, Deduct	*-7.13*	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	37.96	10.28
		For Up To 20, Add	*14.40*	
		For >20 To 50, Add	*7.88*	
		For >50 To 100, Add	*3.26*	
		For >500 To 1,000, Deduct	*-3.26*	
		For >1,000, Deduct	*-5.84*	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	43.62	11.05
		For Up To 20, Add	*16.07*	
		For >20 To 50, Add	*8.77*	
		For >50 To 100, Add	*3.65*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000, Deduct	*-6.57*	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	47.48	11.92
		For Up To 20, Add	*17.39*	
		For >20 To 50, Add	*9.49*	
		For >50 To 100, Add	*3.95*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-7.12*	
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	54.98	12.69
		For Up To 20, Add	*19.44*	
		For >20 To 50, Add	*10.57*	
		For >50 To 100, Add	*4.44*	
		For >500 To 1,000, Deduct	*-4.44*	
		For >1,000, Deduct	*-8.03*	
32 16 13 43-0011		Sawn Face Granite Curbs *(32 16 13 43-0001)*		
32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	30.69	9.41
		For Up To 20, Add	*12.43*	
		For >20 To 50, Add	*6.84*	
		For >50 To 100, Add	*2.79*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-4.96*	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	36.36	10.28
		For Up To 20, Add	*14.11*	
		For >20 To 50, Add	*7.74*	
		For >50 To 100, Add	*3.19*	
		For >500 To 1,000, Deduct	*-3.19*	
		For >1,000, Deduct	*-5.69*	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	40.21	11.05
		For Up To 20, Add	*15.42*	
		For >20 To 50, Add	*8.45*	
		For >50 To 100, Add	*3.49*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-6.24*	
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	47.71	11.92
		For Up To 20, Add	*17.47*	
		For >20 To 50, Add	*9.53*	
		For >50 To 100, Add	*3.97*	
		For >500 To 1,000, Deduct	*-3.97*	
		For >1,000, Deduct	*-7.15*	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	43.07	10.28
		For Up To 20, Add	*15.45*	
		For >20 To 50, Add	*8.41*	
		For >50 To 100, Add	*3.52*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-6.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	51.56	11.05
		For Up To 20, Add	*17.69*	
		For >20 To 50, Add	*9.58*	
		For >50 To 100, Add	*4.05*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-7.37*	
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	57.15	11.92
		For Up To 20, Add	*19.36*	
		For >20 To 50, Add	*10.47*	
		For >50 To 100, Add	*4.44*	
		For >500 To 1,000, Deduct	*-4.44*	
		For >1,000, Deduct	*-8.09*	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	68.64	12.69
		For Up To 20, Add	*22.20*	
		For >20 To 50, Add	*11.95*	
		For >50 To 100, Add	*5.13*	
		For >500 To 1,000, Deduct	*-5.13*	
		For >1,000, Deduct	*-9.41*	

32 16 13 43-0020 Granite Base And Curbs *(32 16 13 43-0001)*

32 16 13 43-0021	LF	4" High Granite Base	34.05	11.84
		For Up To 20, Add	*14.67*	
		For >20 To 50, Add	*8.12*	
		For >50 To 100, Add	*3.27*	
		For >500 To 1,000, Deduct	*-3.27*	
		For >1,000, Deduct	*-5.76*	
32 16 13 43-0022	LF	6" High Granite Base	39.80	15.50
		For Up To 20, Add	*18.29*	
		For >20 To 50, Add	*10.18*	
		For >50 To 100, Add	*4.06*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-7.08*	

32 16 13 43-0023 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0024	LF	Removal And Reseting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	36.09

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	8.73	
		For Up To 100, Add	*3.81*	
		For >100 To 500, Add	*1.09*	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.41*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.18*	
		For 4,500 PSI Concrete, Add	*0.21*	
		For Welded Wire Reinforcement, Add	*0.90*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	9.45	
		For Up To 100, Add	*4.05*	
		For >100 To 500, Add	*1.15*	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-1.49*	
		For 3,500 PSI Concrete, Add	*0.12*	
		For 4,000 PSI Concrete, Add	*0.22*	
		For 4,500 PSI Concrete, Add	*0.25*	
		For Welded Wire Reinforcement, Add	*0.90*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	10.18	
		For Up To 100, Add	*4.29*	
		For >100 To 500, Add	*1.21*	
		For >1,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.56*	
		For 3,500 PSI Concrete, Add	*0.15*	
		For 4,000 PSI Concrete, Add	*0.26*	
		For 4,500 PSI Concrete, Add	*0.30*	
		For Welded Wire Reinforcement, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	11.83	
		For Up To 100, Add	*4.94*	
		For >100 To 500, Add	*1.38*	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.78*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.31*	
		For 4,500 PSI Concrete, Add	*0.36*	
		For Welded Wire Reinforcement, Add	*0.90*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	12.46	
		For Up To 100, Add	*5.13*	
		For >100 To 500, Add	*1.43*	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.83*	
		For 3,500 PSI Concrete, Add	*0.20*	
		For 4,000 PSI Concrete, Add	*0.35*	
		For 4,500 PSI Concrete, Add	*0.41*	
		For Welded Wire Reinforcement, Add	*0.90*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.49	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	149.63	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.49	

32 16 23 00-0010 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	8.91	
		For Up To 100, Add	*3.54*	
		For >100 To 500, Add	*0.97*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.97*	
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	11.08	
		For Up To 100, Add	*4.34*	
		For >100 To 500, Add	*1.18*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.18*	
32 16 23 00-0013	SY	2" Bituminous Sidewalk	15.09	
		For Up To 100, Add	*5.72*	
		For >100 To 500, Add	*1.53*	
		For >1,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.53*	
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	18.84	
		For Up To 100, Add	*7.13*	
		For >100 To 500, Add	*1.91*	
		For >1,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.91*	
32 16 23 00-0015	SY	3" Bituminous Sidewalk	21.48	
		For Up To 100, Add	*7.99*	
		For >100 To 500, Add	*2.12*	
		For >1,000 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-2.12*	
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	24.65	
		For Up To 100, Add	*9.05*	
		For >100 To 500, Add	*2.39*	
		For >1,000 To 5,000, Deduct	*-1.15*	
		For >5,000, Deduct	*-2.39*	

32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	6.74	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	9.13	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	9.13	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	12.90	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	15.23	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.82	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.41	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	14.55	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	6.74	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.82	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	14.55	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.41	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.53	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	217.25	8.08
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	246.32	8.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 19		**Precast Concrete Parking Bumpers** *(32 17 13)*		
32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	74.23	24.34
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	84.98	24.34
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	88.14	24.34
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	92.22	24.34
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	86.17	24.34
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	108.61	24.34
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	38.94	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	25.32	
32 17 13 23		**Rubber Parking Bumpers** *(32 17 13)*		
32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	32.76	8.08
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	37.91	8.08
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	39.97	8.08
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	43.06	8.08
32 17 13 26		**Wood Parking Bumpers** *(32 17 13)*		
32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.48	1.95
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	13.21	1.95
32 17 16		**Manufactured Traffic-Calming Devices** *(32 17)*		
32 17 16 00-0001		Modular Rubber Speed Tables *(32 17 16)*		
		Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table	65.61	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table	57.32	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table	53.85	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table	62.80	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table	55.28	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table	52.22	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table	60.02	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table	53.67	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table	50.87	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011		Asphalt Speed Table *(32 17 16)*		
		Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown	39.98	
		Note: Tapered on edges to roadway.		
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown	47.01	
		Note: Tapered on edges to roadway.		
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown	50.16	
		Note: Tapered on edges to roadway.		
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown	59.01	
		Note: Tapered on edges to roadway.		
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown	61.99	
		Note: Tapered on edges to roadway.		
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown	69.02	
		Note: Tapered on edges to roadway.		
32 17 16 00-0018		Speed Bumps *(32 17 16)*		
		Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	31.14	1.95
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	30.87	1.29
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	198.67	1.29
32 17 23		**Pavement Markings** *(32 17)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001 Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)*

Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.

32 17 23 13-0002 Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.81	
		For 20 Mil Thickness, Add	*0.20*	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
		For Broken Line, Deduct	*-0.44*	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	1.15	
		For 20 Mil Thickness, Add	*0.30*	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
		For Broken Line, Deduct	*-0.65*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.40	
		For 20 Mil Thickness, Add	*0.36*	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
		For Broken Line, Deduct	*-0.78*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	2.16	
		For 20 Mil Thickness, Add	*0.59*	
		For Up To 5,000 LF, Add	*0.43*	
		For >25,000 LF, Deduct	*-0.32*	
		For Broken Line, Deduct	*-1.28*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.37	
		For 20 Mil Thickness, Add	*0.39*	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.21*	
		For Broken Line On One Side, Deduct	*-0.43*	
		For Double Broken Line, Deduct	*-0.86*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.98	
		For 20 Mil Thickness, Add	*0.58*	
		For Up To 5,000 LF, Add	*0.40*	
		For >25,000 LF, Deduct	*-0.30*	
		For Broken Line On One Side, Deduct	*-0.64*	
		For Double Broken Line, Deduct	*-1.28*	
32 17 23 13-0009	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	4.58	
		For 20 Mil Thickness, Add	*0.58*	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.34*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0010	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	9.50	
		For 20 Mil Thickness, Add	*1.73*	
		For <10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.51*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0011	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	16.18	
		For 20 Mil Thickness, Add	*3.01*	
		For <10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
32 17 23 13-0012	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	30.47	
		For 20 Mil Thickness, Add	*5.39*	
		For <10, Add	*2.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.36*	
32 17 23 13-0013	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	36.61	
		For 20 Mil Thickness, Add	*6.86*	
		For <10, Add	*2.83*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 200, Deduct	*-1.89*	
		For >200, Deduct	*-3.77*	
32 17 23 13-0014	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	65.98	
		For 20 Mil Thickness, Add	*12.48*	
		For <10, Add	*5.04*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 200, Deduct	*-3.36*	
		For >200, Deduct	*-6.71*	
32 17 23 13-0015	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	87.72	
		For 20 Mil Thickness, Add	*16.47*	
		For <10, Add	*6.76*	
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-9.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0016	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	151.04	
		For 20 Mil Thickness, Add	*34.52*	
		For <10, Add	*8.38*	
		For >50 To 100, Deduct	*-4.19*	
		For >100 To 200, Deduct	*-5.59*	
		For >200, Deduct	*-11.17*	
32 17 23 13-0017	SF	Letter/Number, Epoxy Reflective Pavement Marking	8.14	
		For 20 Mil Thickness, Add	*1.28*	
32 17 23 13-0018	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.85	
		For 20 Mil Thickness, Add	*1.36*	

32 17 23 13-0019 Painted Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0020	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.32	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line, Deduct	*-0.07*	
32 17 23 13-0021	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0022	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.52	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.12*	
32 17 23 13-0023	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.70	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line, Deduct	*-0.18*	
32 17 23 13-0024	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.46	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.06*	
		For Double Broken Line, Deduct	*-0.12*	
32 17 23 13-0025	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.70	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0026	SF	Solid Area, Painted Reflective Pavement Striping Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.14	
32 17 23 13-0027	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	3.99	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.34*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0028	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	7.39	
		For <10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.51*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0029	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	12.49	
		For <10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
32 17 23 13-0030	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	23.97	
		For <10, Add	*2.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.36*	
32 17 23 13-0031	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	28.17	
		For <10, Add	*2.83*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 200, Deduct	*-1.89*	
		For >200, Deduct	*-3.77*	
32 17 23 13-0032	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	50.56	
		For <10, Add	*5.04*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 200, Deduct	*-3.36*	
		For >200, Deduct	*-6.71*	
32 17 23 13-0033	EA	96" High, Letter/Number, Painted Reflective Pavement Marking	67.44	
		For <10, Add	*6.76*	
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 200, Deduct	*-4.51*	
		For >200, Deduct	*-9.02*	
32 17 23 13-0034	EA	120" High, Letter/Number, Painted Reflective Pavement Marking	105.76	
		For <10, Add	*8.38*	
		For >50 To 100, Deduct	*-4.19*	
		For >100 To 200, Deduct	*-5.59*	
		For >200, Deduct	*-11.17*	
32 17 23 13-0035	SF	Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	6.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0036	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.	7.81	
32 17 23 13-0037		Painted Reflective Pavement Marking (CALTRANS) *(32 17 23 13-0001)* Note: Per LF of detail.		
32 17 23 13-0038	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.26	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0039	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0040	LF	CALTRANS Detail 4 Centerline	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0041	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0042	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0043	LF	CALTRANS Detail 7 Centerline	0.77	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0044	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.26	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0045	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0046	LF	CALTRANS Detail 10 Lanelines	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0047	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0048	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0049	LF	CALTRANS Detail 13 Lanelines	0.77	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0050	LF	CALTRANS Detail 14 Lanelines	0.77	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0051	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0052	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.35	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
32 17 23 13-0053	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0054	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.10	
		For Up To 5,000 LF, Add	*0.62*	
		For >25,000 LF, Deduct	*-0.47*	
32 17 23 13-0055	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.35	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
32 17 23 13-0056	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
32 17 23 13-0057	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.63	
		For Up To 5,000 LF, Add	*0.53*	
		For >25,000 LF, Deduct	*-0.39*	
32 17 23 13-0058	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.42	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0059	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.14	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0060	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.70	
		For Up To 5,000 LF, Add	*0.74*	
		For >25,000 LF, Deduct	*-0.56*	
32 17 23 13-0061	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.33	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0062	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0063	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.69	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
32 17 23 13-0064	LF	CALTRANS Detail 26 Left Edgelines	0.18	
		For Up To 5,000 LF, Add	*0.04*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0065	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0066	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.33	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0067	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0068	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.84	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.29*	
32 17 23 13-0069	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.56	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.23*	
32 17 23 13-0070	LF	CALTRANS Detail 30 Median Islands	7.40	
		For Up To 5,000 LF, Add	*1.48*	
		For >25,000 LF, Deduct	*-1.11*	
32 17 23 13-0071	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.70	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0072	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.59	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
32 17 23 13-0073	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	5.07	
		For Up To 5,000 LF, Add	*1.01*	
		For >25,000 LF, Deduct	*-0.76*	
32 17 23 13-0074	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
32 17 23 13-0075	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.35	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0076	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0077	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.35	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0078	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.75	
		For Up To 5,000 LF, Add	*0.35*	
		For >25,000 LF, Deduct	*-0.26*	
32 17 23 13-0079	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0080	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.20	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0081	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0082	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.49	
		For Up To 5,000 LF, Add	*0.50*	
		For >25,000 LF, Deduct	*-0.37*	
32 17 23 13-0083	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0084	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.49	
		For Up To 5,000 LF, Add	*0.50*	
		For >25,000 LF, Deduct	*-0.37*	
32 17 23 13-0085	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.02	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0086	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.66	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
32 17 23 13-0087	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.38	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
32 17 23 13-0088	LF	CALTRANS Detail 38C Channelizing Line	3.70	
		For Up To 5,000 LF, Add	*0.74*	
		For >25,000 LF, Deduct	*-0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0089	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0090	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.32	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0091	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0092	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.79	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0093	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0094	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.79	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0095	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	104.81	
		For <10, Add	*12.25*	
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 200, Deduct	*-8.17*	
		For >200, Deduct	*-16.33*	
32 17 23 13-0096	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	184.25	
		For <10, Add	*21.44*	
		For >50 To 100, Deduct	*-10.72*	
		For >100 To 200, Deduct	*-14.29*	
		For >200, Deduct	*-28.59*	
32 17 23 13-0097	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	230.93	
		For <10, Add	*26.95*	
		For >50 To 100, Deduct	*-13.48*	
		For >100 To 200, Deduct	*-17.97*	
		For >200, Deduct	*-35.94*	
32 17 23 13-0098	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	335.74	
		For <10, Add	*39.20*	
		For >50 To 100, Deduct	*-19.60*	
		For >100 To 200, Deduct	*-26.14*	
		For >200, Deduct	*-52.27*	
32 17 23 13-0099	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	440.57	
		For <10, Add	*51.46*	
		For >50 To 100, Deduct	*-25.73*	
		For >100 To 200, Deduct	*-34.31*	
		For >200, Deduct	*-68.61*	
32 17 23 13-0100	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	310.36	
		For <10, Add	*36.14*	
		For >50 To 100, Deduct	*-18.07*	
		For >100 To 200, Deduct	*-24.09*	
		For >200, Deduct	*-48.19*	
32 17 23 13-0101	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	541.29	
		For <10, Add	*63.09*	
		For >50 To 100, Deduct	*-31.55*	
		For >100 To 200, Deduct	*-42.06*	
		For >200, Deduct	*-84.13*	
32 17 23 13-0102	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	110.55	
		For <10, Add	*12.86*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 200, Deduct	*-8.58*	
		For >200, Deduct	*-17.15*	
32 17 23 13-0103	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	242.41	
		For <10, Add	*28.18*	
		For >50 To 100, Deduct	*-14.09*	
		For >100 To 200, Deduct	*-18.79*	
		For >200, Deduct	*-37.57*	
32 17 23 13-0104	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	310.36	
		For <10, Add	*36.14*	
		For >50 To 100, Deduct	*-18.07*	
		For >100 To 200, Deduct	*-24.09*	
		For >200, Deduct	*-48.19*	
32 17 23 13-0105	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	200.02	
		For <10, Add	*23.28*	
		For >50 To 100, Deduct	*-11.64*	
		For >100 To 200, Deduct	*-15.52*	
		For >200, Deduct	*-31.04*	
32 17 23 13-0106	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	263.69	
		For <10, Add	*30.63*	
		For >50 To 100, Deduct	*-15.31*	
		For >100 To 200, Deduct	*-20.42*	
		For >200, Deduct	*-40.84*	
32 17 23 13-0107	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	52.41	
		For <10, Add	*6.13*	
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 200, Deduct	*-4.08*	
		For >200, Deduct	*-8.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0108	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	503.67	
		For <10, Add	*58.20*	
		For >50 To 100, Deduct	*-29.10*	
		For >100 To 200, Deduct	*-38.80*	
		For >200, Deduct	*-77.59*	
32 17 23 13-0109	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	6.64	
32 17 23 13-0110	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	58.73	
		For <10, Add	*4.41*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-2.94*	
		For >200, Deduct	*-5.88*	
32 17 23 13-0111	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	62.42	
		For <10, Add	*4.66*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.10*	
		For >200, Deduct	*-6.21*	
32 17 23 13-0112	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	83.52	
		For <10, Add	*9.80*	
		For >50 To 100, Deduct	*-4.90*	
		For >100 To 200, Deduct	*-6.53*	
		For >200, Deduct	*-13.07*	
32 17 23 13-0113	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	170.34	
		For <10, Add	*19.85*	
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 200, Deduct	*-13.23*	
		For >200, Deduct	*-26.46*	
32 17 23 13-0114	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	34.26	
		For <10, Add	*4.66*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.10*	
		For >200, Deduct	*-6.21*	
32 17 23 13-0115	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	6.72	
32 17 23 13-0116	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	7.37	

32 17 23 13-0117 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0118 Painted Pavement Marking For Parking Areas *(32 17 23 13-0117)*

Note: 15 mil thickness.

32 17 23 13-0119	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.18	
32 17 23 13-0120	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.29	
32 17 23 13-0121	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.37	
32 17 23 13-0122	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.54	
32 17 23 13-0123	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	3.90	
		For Up To 10, Add	*0.49*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.65*	
32 17 23 13-0124	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	7.17	
		For Up To 10, Add	*0.74*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 200, Deduct	*-0.49*	
		For >200, Deduct	*-0.98*	
32 17 23 13-0125	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	12.13	
		For Up To 10, Add	*1.22*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 200, Deduct	*-0.82*	
		For >200, Deduct	*-1.63*	
32 17 23 13-0126	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	22.49	
		For Up To 10, Add	*2.33*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.55*	
		For >200, Deduct	*-3.10*	
32 17 23 13-0127	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	29.26	
		For Up To 10, Add	*3.18*	
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 200, Deduct	*-2.12*	
		For >200, Deduct	*-4.25*	
32 17 23 13-0128	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	35.22	
		For Up To 10, Add	*3.92*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.23*	
32 17 23 13-0129	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	49.25	
		For Up To 10, Add	*4.90*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-6.53*	
32 17 23 13-0130	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	100.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0131	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	120.49	
32 17 23 13-0132	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	186.45	
32 17 23 13-0133	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	191.16	
32 17 23 13-0134	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	261.92	
32 17 23 13-0135	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	36.10	
		For Blue Background With White Symbol, Add	*34.41*	
		For Blue Background With White Symbol And Border, Add	*43.01*	
32 17 23 13-0136	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	60.41	
		For Blue Background With White Symbol, Add	*78.45*	
		For Blue Background With White Symbol And Border, Add	*98.07*	
32 17 23 13-0137		**Painted Curbs** *(32 17 23 13)* Note: All colors.		
32 17 23 13-0138	LF	Reflective Painted Curb	3.01	
32 17 23 13-0139	LF	Reflective Painted Curb And Gutter	5.80	
32 17 23 13-0140	LF	Painted Curb	2.45	
32 17 23 13-0141	LF	Painted Curb And Gutter	5.32	
32 17 23 13-0142		**Markings For Outdoor Play Areas, Courts** *(32 17 23 13)*		
32 17 23 13-0143	LF	2" Wide Marking For Outdoor Play Areas	1.21	
32 17 23 13-0144	LF	3" Wide Marking For Outdoor Play Areas	1.36	
32 17 23 13-0145	LF	4" Wide Marking For Outdoor Play Areas	1.53	
32 17 23 13-0146	LF	6" Wide Marking For Outdoor Play Areas	1.80	
32 17 23 13-0147	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	304.87	
32 17 23 23		**Raised Pavement Markings** *(32 17 23)*		
32 17 23 23-0001		**Raised Pavement Markers (RPMs)** *(32 17 23 23)* Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	8.09	2.94
		For >100, Deduct	*-0.81*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	8.59	2.94
		For >100, Deduct	*-0.86*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.63	2.94
		For >100, Deduct	*-1.06*	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	7.45	2.94
		For >100, Deduct	*-0.75*	
32 17 23 23-0006		**Snowplowable Pavement Markers** *(32 17 23 23)*		
32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	81.58	34.89
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	82.02	34.89
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	23.78	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	30.03	
32 17 23 33		**Plastic Pavement Markings** *(32 17 23)*		
32 17 23 33-0001		**Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads** *(32 17 23 33)* Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		**Thermoplastic Reflective Pavement Marking** *(32 17 23 33-0001)* Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.46	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
		For Broken Line, Deduct	*-0.87*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.10	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.32*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
		For Broken Line, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.79	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line, Deduct	*-1.73*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.09	
		For Up To 5,000 LF, Add	*0.82*	
		For >25,000 LF, Deduct	*-0.61*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line, Deduct	*-2.60*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.77	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line On One Side, Deduct	*-0.87*	
		For Double Broken Line, Deduct	*-1.73*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.09	
		For Up To 5,000 LF, Add	*0.82*	
		For >25,000 LF, Deduct	*-0.61*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line On One Side, Deduct	*-1.30*	
		For Double Broken Line, Deduct	*-2.60*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	8.35	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	5.60	
		For Up To 10, Add	*0.55*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 200, Deduct	*-0.37*	
		For >200, Deduct	*-0.74*	
		For 60 mils Thick, Deduct	*-0.34*	
		For 125 mils Thick, Add	*0.43*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.51	
		For Up To 10, Add	*0.83*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 200, Deduct	*-0.56*	
		For >200, Deduct	*-1.11*	
		For 60 mils Thick, Deduct	*-1.22*	
		For 125 mils Thick, Add	*1.57*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	21.40	
		For Up To 10, Add	*1.38*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 200, Deduct	*-0.92*	
		For >200, Deduct	*-1.85*	
		For 60 mils Thick, Deduct	*-2.13*	
		For 125 mils Thick, Add	*2.74*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	39.94	
		For Up To 10, Add	*2.78*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 200, Deduct	*-1.85*	
		For >200, Deduct	*-3.71*	
		For 60 mils Thick, Deduct	*-3.75*	
		For 125 mils Thick, Add	*4.82*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	48.56	
		For Up To 10, Add	*3.11*	
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 200, Deduct	*-2.07*	
		For >200, Deduct	*-4.15*	
		For 60 mils Thick, Deduct	*-4.87*	
		For 125 mils Thick, Add	*6.26*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	87.75	
		For Up To 10, Add	*5.54*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 200, Deduct	*-3.69*	
		For >200, Deduct	*-7.38*	
		For 60 mils Thick, Deduct	*-8.90*	
		For 125 mils Thick, Add	*11.44*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	116.46	
		For Up To 10, Add	*7.44*	
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 200, Deduct	*-4.96*	
		For >200, Deduct	*-9.92*	
		For 60 mils Thick, Deduct	*-11.70*	
		For 125 mils Thick, Add	*15.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	210.69	
		For Up To 10, Add	*9.21*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 200, Deduct	*-6.14*	
		For >200, Deduct	*-12.28*	
		For 60 mils Thick, Deduct	*-26.12*	
		For 125 mils Thick, Add	*33.59*	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	10.37	
		For 60 mils Thick, Deduct	*-0.84*	
		For 125 mils Thick, Add	*1.08*	
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Per SY of area.	28.18	
		For 60 mils Thick, Deduct	*-1.36*	
		For 125 mils Thick, Add	*1.75*	
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	266.67	
		For 60 mils Thick, Deduct	*-19.38*	
		For 125 mils Thick, Add	*24.92*	
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	794.44	
		For 60 mils Thick, Deduct	*-58.99*	
		For 125 mils Thick, Add	*75.84*	
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	185.37	
		For 60 mils Thick, Deduct	*-26.72*	
		For 125 mils Thick, Add	*34.36*	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	127.54	
		For 60 mils Thick, Deduct	*-9.27*	
		For 125 mils Thick, Add	*11.92*	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	11.60	
		For 60 mils Thick, Deduct	*-0.84*	
		For 125 mils Thick, Add	*1.08*	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	162.31	
		For 60 mils Thick, Deduct	*-11.80*	
		For 125 mils Thick, Add	*15.17*	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	289.86	
		For 60 mils Thick, Deduct	*-21.07*	
		For 125 mils Thick, Add	*27.09*	
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	359.43	
		For 60 mils Thick, Deduct	*-26.12*	
		For 125 mils Thick, Add	*33.59*	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	521.74	
		For 60 mils Thick, Deduct	*-37.92*	
		For 125 mils Thick, Add	*48.75*	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	684.07	
		For 60 mils Thick, Deduct	*-49.72*	
		For 125 mils Thick, Add	*63.92*	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	486.96	
		For 60 mils Thick, Deduct	*-35.39*	
		For 125 mils Thick, Add	*45.50*	
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	846.39	
		For 60 mils Thick, Deduct	*-61.51*	
		For 125 mils Thick, Add	*79.09*	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	173.92	
		For 60 mils Thick, Deduct	*-12.64*	
		For 125 mils Thick, Add	*16.25*	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	382.61	
		For 60 mils Thick, Deduct	*-27.81*	
		For 125 mils Thick, Add	*35.75*	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	486.96	
		For 60 mils Thick, Deduct	*-35.39*	
		For 125 mils Thick, Add	*45.50*	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	313.05	
		For 60 mils Thick, Deduct	*-22.75*	
		For 125 mils Thick, Add	*29.25*	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	417.40	
		For 60 mils Thick, Deduct	*-30.34*	
		For 125 mils Thick, Add	*39.00*	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	81.17	
		For 60 mils Thick, Deduct	*-5.90*	
		For 125 mils Thick, Add	*7.58*	

32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.89	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.70	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.60	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.65	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	12.10	
		For 60 mils Thick, Deduct	*-1.21*	
		For 125 mils Thick, Add	*1.56*	

32 17 23 33-0044 Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.15	
		For Up To 5,000 LF, Add	*0.63*	
		For >25,000 LF, Deduct	*-0.47*	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.67	
		For Up To 5,000 LF, Add	*0.93*	
		For >25,000 LF, Deduct	*-0.70*	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.21	
		For Up To 5,000 LF, Add	*1.24*	
		For >25,000 LF, Deduct	*-0.93*	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	9.22	
		For Up To 5,000 LF, Add	*1.84*	
		For >25,000 LF, Deduct	*-1.38*	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	24.63	
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	36.72	
		For <10, Add	*1.01*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.67*	
		For >200, Deduct	*-1.34*	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	65.63	
		For <10, Add	*1.28*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.85*	
		For >200, Deduct	*-1.70*	
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	112.20	
		For <10, Add	*2.52*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.36*	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	159.73	
		For <10, Add	*5.05*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 200, Deduct	*-3.37*	
		For >200, Deduct	*-6.73*	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	187.63	
		For <10, Add	*5.66*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 200, Deduct	*-3.77*	
		For >200, Deduct	*-7.55*	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	235.63	
		For <10, Add	*10.07*	
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 200, Deduct	*-6.71*	
		For >200, Deduct	*-13.43*	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	299.33	
		For <10, Add	*13.53*	
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 200, Deduct	*-9.02*	
		For >200, Deduct	*-18.03*	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	375.50	
		For <10, Add	*16.76*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 200, Deduct	*-11.17*	
		For >200, Deduct	*-22.35*	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	25.28	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	26.51	

32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	402.27	
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,068.43	
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	206.21	
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	171.18	
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	344.34	
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	200.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	384.99	
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	667.19	
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,011.80	
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	352.35	
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	393.00	
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	736.98	
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	676.17	
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	678.62	
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	942.17	
32 17 23 33-0076		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*		
32 17 23 33-0077		Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0076)* Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	134.19	
32 17 23 33-0079	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	520.06	
32 17 23 33-0080	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	291.35	
32 17 23 33-0081	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	351.00	
32 17 23 33-0082	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	368.03	
32 17 26		**Tactile Warning Surfaces** *(32 17)*		
32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)* Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	64.87	9.25
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	52.84	9.25
32 17 26 00-0004		Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)* Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	78.02	9.25
32 17 26 00-0006	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	69.69	9.25
32 18		**Athletic and Recreational Surfacing** *(32 10)*		
32 18 16		**Synthetic Resilient Surfacing** *(32 18)*		
32 18 16 13		**Playground Protective Surfacing** *(32 18 16)*		
32 18 16 13-0001		Tile Playground Surface Material *(32 18 16 13)* Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	24.21	2.66
		For Manufacturer's Standard Colors, Add	*1.46*	
		For Interlocking Tiles, Add	*3.25*	
		For Mechanically Fastened, Add	*1.99*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	24.71	2.81
		For Manufacturer's Standard Colors, Add	*1.46*	
		For Interlocking Tiles, Add	*3.25*	
		For Mechanically Fastened, Add	*2.09*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	25.71	3.14
		For Manufacturer's Standard Colors, Add	*1.46*	
		For Interlocking Tiles, Add	*3.25*	
		For Mechanically Fastened, Add	*2.29*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	26.70	3.48
		For Manufacturer's Standard Colors, Add	*1.46*	
		For Interlocking Tiles, Add	*3.25*	
		For Mechanically Fastened, Add	*2.49*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	29.79	3.81
		For Manufacturer's Standard Colors, Add	*1.10*	
		For Interlocking Tiles, Add	*3.67*	
		For Mechanically Fastened, Add	*2.69*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	30.89	4.18
		For Manufacturer's Standard Colors, Add	*1.10*	
		For Interlocking Tiles, Add	*3.67*	
		For Mechanically Fastened, Add	*2.91*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	32.03	4.55
		For Manufacturer's Standard Colors, Add	*1.10*	
		For Interlocking Tiles, Add	*3.67*	
		For Mechanically Fastened, Add	*3.14*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	35.21	4.87
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*4.10*	
		For Mechanically Fastened, Add	*3.35*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	36.20	5.27
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*4.10*	
		For Mechanically Fastened, Add	*3.54*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	37.30	5.57
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*4.10*	
		For Mechanically Fastened, Add	*3.76*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	42.91	6.27
		For Manufacturer's Standard Colors, Add	*0.60*	
		For Interlocking Tiles, Add	*4.80*	
		For Mechanically Fastened, Add	*4.18*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	2.00	0.40
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.69	0.49
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.45	0.60
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.87	0.90
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.13	0.40
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.88	0.49
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.05	0.60
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	7.50	0.90
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	12.69	1.49
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	16.10	1.99

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	19.06	2.87
		For Up To 2,000, Add	*3.86*	
		For >2,000 To 3,000, Add	*2.72*	
		For >3,000 To 4,000, Add	*1.85*	
		For >4,000 To 5,000, Add	*1.18*	
		For >5,000 To 7,000, Add	*0.49*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	19.66	3.18
		For Up To 2,000, Add	*3.98*	
		For >2,000 To 3,000, Add	*2.81*	
		For >3,000 To 4,000, Add	*1.91*	
		For >4,000 To 5,000, Add	*1.22*	
		For >5,000 To 7,000, Add	*0.51*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.22	3.63
		For Up To 2,000, Add	*4.30*	
		For >2,000 To 3,000, Add	*3.03*	
		For >3,000 To 4,000, Add	*2.06*	
		For >4,000 To 5,000, Add	*1.32*	
		For >5,000 To 7,000, Add	*0.55*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	22.93	3.87
		For Up To 2,000, Add	*4.65*	
		For >2,000 To 3,000, Add	*3.28*	
		For >3,000 To 4,000, Add	*2.23*	
		For >4,000 To 5,000, Add	*1.42*	
		For >5,000 To 7,000, Add	*0.59*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	24.62	4.07
		For Up To 2,000, Add	*4.99*	
		For >2,000 To 3,000, Add	*3.52*	
		For >3,000 To 4,000, Add	*2.39*	
		For >4,000 To 5,000, Add	*1.53*	
		For >5,000 To 7,000, Add	*0.64*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.06	4.30
		For Up To 2,000, Add	*5.28*	
		For >2,000 To 3,000, Add	*3.72*	
		For >3,000 To 4,000, Add	*2.53*	
		For >4,000 To 5,000, Add	*1.62*	
		For >5,000 To 7,000, Add	*0.67*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	27.75	4.54
		For Up To 2,000, Add	*5.62*	
		For >2,000 To 3,000, Add	*3.96*	
		For >3,000 To 4,000, Add	*2.70*	
		For >4,000 To 5,000, Add	*1.72*	
		For >5,000 To 7,000, Add	*0.72*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	31.14	5.09
		For Up To 2,000, Add	*6.31*	
		For >2,000 To 3,000, Add	*4.45*	
		For >3,000 To 4,000, Add	*3.03*	
		For >4,000 To 5,000, Add	*1.93*	
		For >5,000 To 7,000, Add	*0.80*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	12.45	
		For Up To 2,000, Add	*3.81*	
		For >2,000 To 3,000, Add	*2.46*	
		For >3,000 To 4,000, Add	*1.50*	
		For >4,000 To 5,000, Add	*0.91*	
		For >5,000 To 7,000, Add	*0.41*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.28*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.58*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,826.54	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	10.71	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.44	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	6.11	
32 18 16 13-0039	CF	Sand/Ruber Infill (Sporturf)	58.83	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 13 Baseball Field Surfacing *(32 18 23)*

32 18 23 13-0001 Infield Dust *(32 18 23 13)*

32 18 23 13-0002	SF	4" Deep Red Brick Infield Mix	4.96	0.72

32 18 23 13-0003 Clay Infield Maintenance *(32 18 23 13)*

32 18 23 13-0004	MSF	Playing Field Maintenance (Clay - Nail Drag)	12.90	
32 18 23 13-0005	MSF	Playing Field Maintenance (Clay - Screen Drag)	12.90	
32 18 23 13-0006	CY	Playing Field Maintenance Of Clay	110.64	
32 18 23 13-0007	Ton	Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix)	184.30	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 18 23 23 Field Sport Surfacing *(32 18 23)*

32 18 23 23-0001 Turf Field Maintenance *(32 18 23 23)*

32 18 23 23-0002	ACR	Turf Aeration (Minimum 6" Penetration)	173.62
32 18 23 23-0003	MSF	Top Dressing 1/8" - 1/4" Sand	16.46
32 18 23 23-0004	BAG	Envirofill, 50 LB Bag	126.71

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.47
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	27,453.10
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	22,376.87
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	6,733.78
32 18 23 29-0009	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,486.32
32 18 23 29-0010	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per endzone.	2,382.72
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	20,719.32
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	30,043.01

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	9.72
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	27,971.25
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,205.78
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,251.81
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,693.53
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per endzone.	2,486.33
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	21,755.42
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	31,545.35

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	9.90
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	28,489.24
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	25,070.53
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	7,769.79
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	2,900.72
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per endzone.	2,589.93
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	22,791.39
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	33,047.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	11.07	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	29,525.03	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	31,493.37	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	8,805.71	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,315.09	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per endzone.	2,797.11	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	24,863.18	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	36,051.62	
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.45	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	30,043.01	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	35,015.65	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,323.69	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,522.28	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per endzone.	2,900.70	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	25,899.15	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	37,553.77	
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.47	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	30,561.00	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	35,222.84	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	9,841.68	
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,729.48	
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	3,004.30	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	26,935.12	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	39,055.92	
32 18 23 29-0059		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*		
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	11.68	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	31,078.98	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	37,501.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,359.66	
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,143.86	
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	3,107.90	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	27,971.08	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	40,558.07	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.34
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	26,417.29
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	19,476.28
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	5,697.85
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,071.94
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	2,175.54
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	18,647.50
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	27,038.87

32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	8.21
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	26,935.12
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	20,719.32
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,215.80
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,279.13
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per endzone.	2,279.13
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	19,683.35
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	28,540.86

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	18.33
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	16.42
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	51,118.17
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	60,730.13
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	14,854.85
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,679.80
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields Note: Per endzone.	4,215.93
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	37,943.38
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	55,705.69

32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	10.15	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
		For >35,000, Deduct	*-0.92*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)	10.06	
		Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
		For >35,000, Deduct	*-0.91*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf)	10.51	
		Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf	70,684.04	
		Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	30,629.75	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	30,629.75	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	30,629.75	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	30,629.75	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf	3,534.20	
		Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.31	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	8.64	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.47	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.24	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.04	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf	2,356.13	
		Note: Includes a comprehensive report.		
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	23,561.35	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf	0.77	
		Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
		For >10,000 To 30,000, Deduct	*-0.31*	
		For >30,000 To 60,000, Deduct	*-0.54*	
		For >60,000, Deduct	*-0.59*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill	5.28	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill	5.87	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf	4.81	
		Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf	2.96	
		Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf	4,695.60	
		Note: Includes field inspection and report.		
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf	12.91	
		Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.17	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field	3.64	
		Note: Includes removal, shipping and recycling of infill, fibers and backing.		
32 18 23 33		**Running Track Surfacing** *(32 18 23)*		
32 18 23 33-0001		Running Track Surfacing *(32 18 23 33)*		
32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	30.80	
32 18 23 33-0003		Running Track Seal And Colored Surfaces *(32 18 23 33)*		
32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track	16.29	
		Note: Includes certification.		
32 18 23 39		**Synthetic Running Track Surfacing** *(32 18 23)*		
32 18 23 39-0001		Synthetic Running Track Surfacing And Striping *(32 18 23 39)*		
		Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	84.01	7.46
		For >5,500, Deduct	*-6.50*	
		For Up To 4,000, Add	*20.69*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	105.29	7.46
		For >5,500, Deduct	*-8.72*	
		For Up To 4,000, Add	*27.76*	
		For Custom Color Upgrade, Add	*7.53*	
		For Aliphatic Top Coating, Add	*14.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	172.26	7.46
		For >5,500, Deduct	*-8.00*	
		For Up To 4,000, Add	*46.65*	
		For Custom Color Upgrade, Add	*10.26*	
		For Aliphatic Top Coating, Add	*19.06*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing	223.89	7.46
		For >5,500, Deduct	*-10.33*	
		For Up To 4,000, Add	*60.26*	
		For Custom Color Upgrade, Add	*13.43*	
		For Aliphatic Top Coating, Add	*19.63*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing	75.74	
		For >5,500, Deduct	*-10.98*	
		For Up To 4,000, Add	*26.51*	
32 18 23 39-0007	SY	Spray Retop Running Tracks	66.53	
		For Up To 4,000, Add	*23.29*	
		For >5,500, Deduct	*-6.51*	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks	128.78	
		For Up To 4,000, Add	*45.07*	
		For >5,500, Deduct	*-13.57*	

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.

32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	27.72

32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	523.27

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001	SY	Clay Tennis Court	37.56
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	41.59
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	21.44
32 18 23 56-0004	SY	Resurface Clay Tennis Court	11.80
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	10.21
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	9.04

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.86
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	1.04
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.70
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	111.74

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	4.17	
		For Pacific Blue, Add	*0.25*	
		For US Open Blue, Add	*0.87*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	3.33	
		For Pacific Blue, Add	*0.18*	
		For US Open Blue, Add	*0.62*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	2.86	
		For Pacific Blue, Add	*0.14*	
		For US Open Blue, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat	3.04	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	*0.08*	
		For US Open Or Australian Open Blue, Add	*0.57*	
		For Pro Purple, Add	*1.47*	
32 18 23 61-0012		Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®)	1.71	
		Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	7.07	
		Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	9.80	
		Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	8.37	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat	6.17	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat	4.61	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020		Resurface Athletic Court *(32 18 23 61)*		
		Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.81	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)*		
		Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,031.55	243.04
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,701.26	243.04
		Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0007		Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	4,063.12	486.07
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	5,402.54	486.07
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0011		Single Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	4,126.53	243.04
		Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0013	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	4,487.15	243.04
		Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0014	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	6,084.14	243.04
		Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	6,891.23	243.04
		Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0016		Dual Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	7,308.63	486.07
		Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0018	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	8,029.85	486.07
		Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0019	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	11,206.67	486.07
		Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	12,975.39	486.07
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0021		Sliding Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		
		Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,945.08	243.04
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,705.49	291.64
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	3,324.47	291.64
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,328.04	340.25
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	5,283.03	340.25
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	7,184.12	388.86
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	11,919.28	388.86
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	20,133.90	437.47
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0030		Accessories For Gate Actuators And Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	682.83	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,329.61	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	881.31	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	961.35	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	858.32	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	609.32	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.04	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.30	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.02	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	12.27	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	735.66	156.03
32 31 11 00-0042		Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*		
32 31 11 00-0043	EA	Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U)	2,904.11	297.65
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*191.03*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*136.74*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*67.34*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*270.67*	
		For Each Additional 10' Chain, Add	*40.54*	

32 31 13 Chain Link Fences and Gates *(32 31)*

32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

32 31 13 13-0001		Post Holes *(32 31 13 13)*		
		Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0083 for core drilling in concrete, 02 41 19 13-0221 for core drilling in asphalt.		
32 31 13 13-0002		Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*		
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.55	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.87	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0005		VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.07	
32 31 13 13-0006		VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.83	
32 31 13 13-0007		VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.27	
32 31 13 13-0008		VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.00	
32 31 13 13-0009		VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.10	
32 31 13 13-0010		VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	23.75	
32 31 13 13-0011		VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	27.14	
32 31 13 13-0012		VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	31.66	
32 31 13 13-0013		VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	37.99	
32 31 13 13-0014		VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	47.48	
32 31 13 13-0015			**Post Hole In Rock** *(32 31 13 13-0001)*		
32 31 13 13-0016		CF	Jackhammer Post Hole In Rock	80.29	
32 31 13 13-0017		CF	Rock Drill Post Hole In Rock	21.87	
32 31 13 13-0018			**Fill For Post Holes** *(32 31 13 13-0001)*		
32 31 13 13-0019			**Concrete Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0020		VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	5.93	
32 31 13 13-0021		VLF	2-1/2" Diameter, Concrete Fill For Post Hole	7.64	
32 31 13 13-0022		VLF	3" Diameter, Concrete Fill For Post Hole	8.35	
32 31 13 13-0023		VLF	4" Diameter, Concrete Fill For Post Hole	9.46	
32 31 13 13-0024		VLF	6" Diameter, Concrete Fill For Post Hole	13.24	
32 31 13 13-0025		VLF	8" Diameter, Concrete Fill For Post Hole	17.67	
32 31 13 13-0026		VLF	10" Diameter, Concrete Fill For Post Hole	21.56	
32 31 13 13-0027		VLF	12" Diameter, Concrete Fill For Post Hole	25.07	
32 31 13 13-0028		VLF	18" Diameter, Concrete Fill For Post Hole	33.73	
32 31 13 13-0029		VLF	24" Diameter, Concrete Fill For Post Hole	41.44	
32 31 13 13-0030		VLF	30" Diameter, Concrete Fill For Post Hole	48.89	
32 31 13 13-0031		VLF	36" Diameter, Concrete Fill For Post Hole	56.59	
32 31 13 13-0032			**Grout Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0033		VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.15	
32 31 13 13-0034		VLF	2-1/2" Diameter, Grout Fill For Post Hole	9.23	
32 31 13 13-0035		VLF	3" Diameter, Grout Fill For Post Hole	9.99	
32 31 13 13-0036		VLF	4" Diameter, Grout Fill For Post Hole	11.09	
32 31 13 13-0037		VLF	6" Diameter, Grout Fill For Post Hole	15.38	
32 31 13 13-0038		VLF	8" Diameter, Grout Fill For Post Hole	20.54	
32 31 13 13-0039		VLF	10" Diameter, Grout Fill For Post Hole	24.97	
32 31 13 13-0040		VLF	12" Diameter, Grout Fill For Post Hole	28.89	
32 31 13 13-0041		VLF	18" Diameter, Grout Fill For Post Hole	38.17	
32 31 13 13-0042		VLF	24" Diameter, Grout Fill For Post Hole	46.18	
32 31 13 13-0043		VLF	30" Diameter, Grout Fill For Post Hole	53.87	
32 31 13 13-0044		VLF	36" Diameter, Grout Fill For Post Hole	61.69	
32 31 13 13-0045			**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0046		VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.41	
32 31 13 13-0047		VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	7.04	
32 31 13 13-0048		VLF	3" Diameter, Compacted Earth Fill For Post Hole	7.36	
32 31 13 13-0049		VLF	4" Diameter, Compacted Earth Fill For Post Hole	7.58	
32 31 13 13-0050		VLF	6" Diameter, Compacted Earth Fill For Post Hole	10.12	
32 31 13 13-0051		VLF	8" Diameter, Compacted Earth Fill For Post Hole	13.50	
32 31 13 13-0052		VLF	10" Diameter, Compacted Earth Fill For Post Hole	16.20	
32 31 13 13-0053		VLF	12" Diameter, Compacted Earth Fill For Post Hole	18.37	
32 31 13 13-0054		VLF	18" Diameter, Compacted Earth Fill For Post Hole	22.38	
32 31 13 13-0055		VLF	24" Diameter, Compacted Earth Fill For Post Hole	25.12	
32 31 13 13-0056		VLF	30" Diameter, Compacted Earth Fill For Post Hole	27.54	
32 31 13 13-0057		VLF	36" Diameter, Compacted Earth Fill For Post Hole	29.71	
32 31 13 13-0058			**Fence Posts** *(32 31 13 13)*		
			Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059			**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060			**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)*		
			Note: Includes cap and accessories.		
32 31 13 13-0061		LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	20.56	3.12
			For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062		LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	19.68	2.66
			For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063		LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	18.59	2.20
			For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064		LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	17.73	1.74
			For Each Top Rail Fitting, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	17.14	1.51
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	16.23	1.04
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) *(32 31 13 13-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.06	2.89
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.07*	
		For Vinyl Coated, Add	*4.96*	
		For Powder Coated, Add	*6.62*	
		For Aluminum Coated, Add	*10.34*	
		For Schedule 20, Deduct	*-1.65*	
		For Schedule 80, Add	*4.55*	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.04	2.44
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.04*	
		For Vinyl Coated, Add	*4.89*	
		For Powder Coated, Add	*6.52*	
		For Aluminum Coated, Add	*10.19*	
		For Schedule 20, Deduct	*-1.63*	
		For Schedule 80, Add	*4.40*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.99	1.97
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.02*	
		For Vinyl Coated, Add	*4.85*	
		For Powder Coated, Add	*6.47*	
		For Aluminum Coated, Add	*10.11*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.27*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.18	1.51
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.02*	
		For Vinyl Coated, Add	*4.84*	
		For Powder Coated, Add	*6.45*	
		For Aluminum Coated, Add	*10.08*	
		For Schedule 20, Deduct	*-1.61*	
		For Schedule 80, Add	*4.18*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.66	1.27
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.01*	
		For Vinyl Coated, Add	*4.83*	
		For Powder Coated, Add	*6.44*	
		For Aluminum Coated, Add	*10.06*	
		For Schedule 20, Deduct	*-1.61*	
		For Schedule 80, Add	*4.13*	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.09	1.04
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.01*	
		For Vinyl Coated, Add	*4.83*	
		For Powder Coated, Add	*6.44*	
		For Aluminum Coated, Add	*10.06*	
		For Schedule 20, Deduct	*-1.61*	
		For Schedule 80, Add	*4.07*	
32 31 13 13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	16.10	3.01
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.53*	
		For Vinyl Coated, Add	*6.07*	
		For Powder Coated, Add	*8.09*	
		For Aluminum Coated, Add	*12.64*	
		For Schedule 20, Deduct	*-2.02*	
		For Schedule 80, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	15.15	2.55
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.49*	
		For Vinyl Coated, Add	*5.98*	
		For Powder Coated, Add	*7.98*	
		For Aluminum Coated, Add	*12.46*	
		For Schedule 20, Deduct	*-1.99*	
		For Schedule 80, Add	*5.30*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.02	2.08
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.47*	
		For Vinyl Coated, Add	*5.93*	
		For Powder Coated, Add	*7.91*	
		For Aluminum Coated, Add	*12.36*	
		For Schedule 20, Deduct	*-1.98*	
		For Schedule 80, Add	*5.16*	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.16	1.62
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.46*	
		For Vinyl Coated, Add	*5.91*	
		For Powder Coated, Add	*7.88*	
		For Aluminum Coated, Add	*12.31*	
		For Schedule 20, Deduct	*-1.97*	
		For Schedule 80, Add	*5.06*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.60	1.38
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.46*	
		For Vinyl Coated, Add	*5.90*	
		For Powder Coated, Add	*7.87*	
		For Aluminum Coated, Add	*12.30*	
		For Schedule 20, Deduct	*-1.97*	
		For Schedule 80, Add	*5.00*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	12.07	1.16
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.46*	
		For Vinyl Coated, Add	*5.90*	
		For Powder Coated, Add	*7.86*	
		For Aluminum Coated, Add	*12.29*	
		For Schedule 20, Deduct	*-1.97*	
		For Schedule 80, Add	*4.94*	

32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	19.68	3.24
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.34*	
		For Vinyl Coated, Add	*8.02*	
		For Powder Coated, Add	*10.70*	
		For Aluminum Coated, Add	*16.71*	
		For Schedule 20, Deduct	*-2.67*	
		For Schedule 80, Add	*7.05*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	18.63	2.78
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.30*	
		For Vinyl Coated, Add	*7.92*	
		For Powder Coated, Add	*10.56*	
		For Aluminum Coated, Add	*16.50*	
		For Schedule 20, Deduct	*-2.64*	
		For Schedule 80, Add	*6.88*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	17.45	2.20
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.28*	
		For Vinyl Coated, Add	*7.87*	
		For Powder Coated, Add	*10.49*	
		For Aluminum Coated, Add	*16.39*	
		For Schedule 20, Deduct	*-2.62*	
		For Schedule 80, Add	*6.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	16.55	1.74
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.27*	
		For Vinyl Coated, Add	*7.84*	
		For Powder Coated, Add	*10.46*	
		For Aluminum Coated, Add	*16.34*	
		For Schedule 20, Deduct	*-2.61*	
		For Schedule 80, Add	*6.62*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	15.94	1.51
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.26*	
		For Vinyl Coated, Add	*7.83*	
		For Powder Coated, Add	*10.44*	
		For Aluminum Coated, Add	*16.31*	
		For Schedule 20, Deduct	*-2.61*	
		For Schedule 80, Add	*6.55*	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	15.40	1.16
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.26*	
		For Vinyl Coated, Add	*7.83*	
		For Powder Coated, Add	*10.44*	
		For Aluminum Coated, Add	*16.31*	
		For Schedule 20, Deduct	*-2.61*	
		For Schedule 80, Add	*6.50*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	27.17	3.48
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.06*	
		For Vinyl Coated, Add	*12.14*	
		For Powder Coated, Add	*16.18*	
		For Aluminum Coated, Add	*25.29*	
		For Schedule 20, Deduct	*-4.05*	
		For Schedule 80, Add	*10.40*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	25.87	3.01
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.97*	
		For Vinyl Coated, Add	*11.93*	
		For Powder Coated, Add	*15.90*	
		For Aluminum Coated, Add	*24.85*	
		For Schedule 20, Deduct	*-3.98*	
		For Schedule 80, Add	*10.14*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	24.53	2.44
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.93*	
		For Vinyl Coated, Add	*11.82*	
		For Powder Coated, Add	*15.76*	
		For Aluminum Coated, Add	*24.63*	
		For Schedule 20, Deduct	*-3.94*	
		For Schedule 80, Add	*9.94*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	23.47	1.97
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.91*	
		For Vinyl Coated, Add	*11.77*	
		For Powder Coated, Add	*15.70*	
		For Aluminum Coated, Add	*24.53*	
		For Schedule 20, Deduct	*-3.92*	
		For Schedule 80, Add	*9.80*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	22.78	1.62
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.89*	
		For Vinyl Coated, Add	*11.74*	
		For Powder Coated, Add	*15.66*	
		For Aluminum Coated, Add	*24.46*	
		For Schedule 20, Deduct	*-3.91*	
		For Schedule 80, Add	*9.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	22.17	1.27
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.89*	
		For Vinyl Coated, Add	*11.74*	
		For Powder Coated, Add	*15.65*	
		For Aluminum Coated, Add	*24.45*	
		For Schedule 20, Deduct	*-3.91*	
		For Schedule 80, Add	*9.65*	

32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	40.34	3.70
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.26*	
		For Vinyl Coated, Add	*19.82*	
		For Powder Coated, Add	*26.42*	
		For Aluminum Coated, Add	*41.29*	
		For Schedule 20, Deduct	*-6.61*	
		For Schedule 80, Add	*16.59*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	38.49	3.01
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.10*	
		For Vinyl Coated, Add	*19.44*	
		For Powder Coated, Add	*25.92*	
		For Aluminum Coated, Add	*40.50*	
		For Schedule 20, Deduct	*-6.48*	
		For Schedule 80, Add	*16.16*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	37.15	2.55
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.02*	
		For Vinyl Coated, Add	*19.25*	
		For Powder Coated, Add	*25.66*	
		For Aluminum Coated, Add	*40.10*	
		For Schedule 20, Deduct	*-6.42*	
		For Schedule 80, Add	*15.91*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	35.98	2.08
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*7.98*	
		For Vinyl Coated, Add	*19.15*	
		For Powder Coated, Add	*25.54*	
		For Aluminum Coated, Add	*39.90*	
		For Schedule 20, Deduct	*-6.38*	
		For Schedule 80, Add	*15.73*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	35.91	2.08
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*7.96*	
		For Vinyl Coated, Add	*19.11*	
		For Powder Coated, Add	*25.48*	
		For Aluminum Coated, Add	*39.81*	
		For Schedule 20, Deduct	*-6.37*	
		For Schedule 80, Add	*15.69*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	34.72	1.51
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*7.96*	
		For Vinyl Coated, Add	*19.10*	
		For Powder Coated, Add	*25.46*	
		For Aluminum Coated, Add	*39.79*	
		For Schedule 20, Deduct	*-6.37*	
		For Schedule 80, Add	*15.57*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	80.78	4.05
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.17*	
		For Vinyl Coated, Add	*43.60*	
		For Powder Coated, Add	*58.13*	
		For Aluminum Coated, Add	*90.83*	
		For Schedule 20, Deduct	*-14.53*	
		For Schedule 80, Add	*35.69*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	77.09	3.36
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.57*	
		For Vinyl Coated, Add	*42.17*	
		For Powder Coated, Add	*56.22*	
		For Aluminum Coated, Add	*87.85*	
		For Schedule 20, Deduct	*-14.06*	
		For Schedule 80, Add	*34.42*	
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	74.73	2.78
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.27*	
		For Vinyl Coated, Add	*41.45*	
		For Powder Coated, Add	*55.26*	
		For Aluminum Coated, Add	*86.35*	
		For Schedule 20, Deduct	*-13.82*	
		For Schedule 80, Add	*33.72*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	73.00	2.20
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.12*	
		For Vinyl Coated, Add	*41.09*	
		For Powder Coated, Add	*54.79*	
		For Aluminum Coated, Add	*85.61*	
		For Schedule 20, Deduct	*-13.70*	
		For Schedule 80, Add	*33.33*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	72.04	1.97
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.05*	
		For Vinyl Coated, Add	*40.91*	
		For Powder Coated, Add	*54.55*	
		For Aluminum Coated, Add	*85.24*	
		For Schedule 20, Deduct	*-13.64*	
		For Schedule 80, Add	*33.12*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	71.34	1.62
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.03*	
		For Vinyl Coated, Add	*40.88*	
		For Powder Coated, Add	*54.50*	
		For Aluminum Coated, Add	*85.16*	
		For Schedule 20, Deduct	*-13.63*	
		For Schedule 80, Add	*33.02*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	157.54	4.52
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*37.13*	
		For Vinyl Coated, Add	*89.11*	
		For Powder Coated, Add	*118.82*	
		For Aluminum Coated, Add	*185.65*	
		For Schedule 20, Deduct	*-29.70*	
		For Schedule 80, Add	*72.19*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	151.33	3.82
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*35.95*	
		For Vinyl Coated, Add	*86.27*	
		For Powder Coated, Add	*115.02*	
		For Aluminum Coated, Add	*179.73*	
		For Schedule 20, Deduct	*-28.76*	
		For Schedule 80, Add	*69.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	147.67	3.12
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*35.35*	
		For Vinyl Coated, Add	*84.85*	
		For Powder Coated, Add	*113.13*	
		For Aluminum Coated, Add	*176.76*	
		For Schedule 20, Deduct	*-28.28*	
		For Schedule 80, Add	*68.50*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	145.18	2.44
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*35.06*	
		For Vinyl Coated, Add	*84.13*	
		For Powder Coated, Add	*112.18*	
		For Aluminum Coated, Add	*175.28*	
		For Schedule 20, Deduct	*-28.04*	
		For Schedule 80, Add	*67.80*	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	143.92	2.08
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*34.91*	
		For Vinyl Coated, Add	*83.78*	
		For Powder Coated, Add	*111.70*	
		For Aluminum Coated, Add	*174.54*	
		For Schedule 20, Deduct	*-27.93*	
		For Schedule 80, Add	*67.45*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	143.09	1.74
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*34.88*	
		For Vinyl Coated, Add	*83.71*	
		For Powder Coated, Add	*111.61*	
		For Aluminum Coated, Add	*174.39*	
		For Schedule 20, Deduct	*-27.90*	
		For Schedule 80, Add	*67.32*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*

Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	74.87
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	74.87
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	76.90
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	92.28

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	86.19
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	83.14
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	86.80
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	92.28
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	92.28

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	85.70
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	89.23
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	96.35
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	96.35
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	109.56
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	118.90

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	85.70	
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	89.23	
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	96.35	
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	97.97	

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 13-0140)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0665 for barb wire attachments.

32 31 13 13-0142 Galvanized *(32 31 13 13-0141)*

32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	39.83	3.93
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.76*	
		For 13 Gauge Fabric, Deduct	*-8.48*	
		For 11 Gauge Fabric, Deduct	*-4.96*	
		For 6 Gauge Fabric, Add	*7.79*	
		For 1" Mesh Fabric, Add	*10.62*	
		For 1-3/4" Mesh Fabric, Add	*4.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.83*	
		For Posts 8' On Centers, Add	*2.18*	
		For Posts 5' On Centers, Add	*8.17*	
		For Up To 100, Add	*7.52*	
		For >100 To 250, Add	*2.76*	
		For >2,500 To 5,000, Deduct	*-1.38*	
		For >5,000, Deduct	*-2.76*	
		For 3/8" Non-Climbable Mesh, Add	*31.31*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	41.42	3.93
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.85*	
		For 13 Gauge Fabric, Deduct	*-8.95*	
		For 11 Gauge Fabric, Deduct	*-5.23*	
		For 6 Gauge Fabric, Add	*8.22*	
		For 1" Mesh Fabric, Add	*11.21*	
		For 1-3/4" Mesh Fabric, Add	*4.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.99*	
		For Posts 8' On Centers, Add	*2.26*	
		For Posts 5' On Centers, Add	*8.47*	
		For Up To 100, Add	*7.78*	
		For >100 To 250, Add	*2.85*	
		For >2,500 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.85*	
		For 3/8" Non-Climbable Mesh, Add	*35.95*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	42.82	3.93
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.94*	
		For 13 Gauge Fabric, Deduct	*-9.35*	
		For 11 Gauge Fabric, Deduct	*-5.46*	
		For 6 Gauge Fabric, Add	*8.59*	
		For 1" Mesh Fabric, Add	*11.71*	
		For 1-3/4" Mesh Fabric, Add	*4.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.12*	
		For Posts 8' On Centers, Add	*2.33*	
		For Posts 5' On Centers, Add	*8.74*	
		For Up To 100, Add	*8.01*	
		For >100 To 250, Add	*2.94*	
		For >2,500 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.94*	
		For 3/8" Non-Climbable Mesh, Add	*40.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.10	3.93
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.13*	
		For 13 Gauge Fabric, Deduct	*-10.32*	
		For 11 Gauge Fabric, Deduct	*-6.03*	
		For 6 Gauge Fabric, Add	*9.47*	
		For 1" Mesh Fabric, Add	*12.92*	
		For 1-3/4" Mesh Fabric, Add	*5.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.58*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.44*	
		For Posts 8' On Centers, Add	*2.50*	
		For Posts 5' On Centers, Add	*9.36*	
		For Up To 100, Add	*6.56*	
		For >100 To 250, Add	*3.13*	
		For >2,500 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-3.13*	
		For 3/8" Non-Climbable Mesh, Add	*49.42*	
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.96	3.93
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.37*	
		For 13 Gauge Fabric, Deduct	*-11.29*	
		For 11 Gauge Fabric, Deduct	*-6.59*	
		For 6 Gauge Fabric, Add	*10.36*	
		For 1" Mesh Fabric, Add	*14.13*	
		For 1-3/4" Mesh Fabric, Add	*5.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.83*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.77*	
		For Posts 8' On Centers, Add	*2.71*	
		For Posts 5' On Centers, Add	*10.13*	
		For Up To 100, Add	*9.24*	
		For >100 To 250, Add	*3.37*	
		For >2,500 To 5,000, Deduct	*-1.69*	
		For >5,000, Deduct	*-3.37*	
		For 3/8" Non-Climbable Mesh, Add	*58.26*	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	51.84	5.90
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.50*	
		For 13 Gauge Fabric, Deduct	*-11.71*	
		For 11 Gauge Fabric, Deduct	*-6.84*	
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*14.66*	
		For 1-3/4" Mesh Fabric, Add	*5.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.91*	
		For Posts 8' On Centers, Add	*2.81*	
		For Posts 5' On Centers, Add	*10.51*	
		For Up To 100, Add	*9.59*	
		For >100 To 250, Add	*3.50*	
		For >2,500 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-3.50*	
		For 3/8" Non-Climbable Mesh, Add	*67.23*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.92	6.89
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.91*	
		For 13 Gauge Fabric, Deduct	*-13.76*	
		For 11 Gauge Fabric, Deduct	*-8.04*	
		For 6 Gauge Fabric, Add	*12.63*	
		For 1" Mesh Fabric, Add	*17.23*	
		For 1-3/4" Mesh Fabric, Add	*6.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.45*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.59*	
		For Posts 8' On Centers, Add	*3.18*	
		For Posts 5' On Centers, Add	*11.86*	
		For Up To 100, Add	*10.77*	
		For >100 To 250, Add	*3.91*	
		For >2,500 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-3.91*	
		For 3/8" Non-Climbable Mesh, Add	*76.28*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	62.85	8.86
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.15*	
		For 13 Gauge Fabric, Deduct	*-14.81*	
		For 11 Gauge Fabric, Deduct	*-8.65*	
		For 6 Gauge Fabric, Add	*13.60*	
		For 1" Mesh Fabric, Add	*18.54*	
		For 1-3/4" Mesh Fabric, Add	*7.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.94*	
		For Posts 8' On Centers, Add	*3.39*	
		For Posts 5' On Centers, Add	*12.63*	
		For Up To 100, Add	*11.45*	
		For >100 To 250, Add	*4.15*	
		For >2,500 To 5,000, Deduct	*-2.08*	
		For >5,000, Deduct	*-4.15*	
		For 3/8" Non-Climbable Mesh, Add	*84.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	66.81	9.84
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.40*	
		For 13 Gauge Fabric, Deduct	*-15.86*	
		For 11 Gauge Fabric, Deduct	*-9.27*	
		For 6 Gauge Fabric, Add	*14.56*	
		For 1" Mesh Fabric, Add	*19.86*	
		For 1-3/4" Mesh Fabric, Add	*7.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.97*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.30*	
		For Posts 8' On Centers, Add	*3.59*	
		For Posts 5' On Centers, Add	*13.40*	
		For Up To 100, Add	*12.14*	
		For >100 To 250, Add	*4.40*	
		For >2,500 To 5,000, Deduct	*-2.20*	
		For >5,000, Deduct	*-4.40*	
		For 3/8" Non-Climbable Mesh, Add	*92.34*	
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	74.23	11.81
		For Each Additional Foot >12, Add	*4.04*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.86*	
		For 13 Gauge Fabric, Deduct	*-17.82*	
		For 11 Gauge Fabric, Deduct	*-10.41*	
		For 6 Gauge Fabric, Add	*16.36*	
		For 1" Mesh Fabric, Add	*22.31*	
		For 1-3/4" Mesh Fabric, Add	*8.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.46*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.95*	
		For Posts 8' On Centers, Add	*3.99*	
		For Posts 5' On Centers, Add	*14.85*	
		For Up To 100, Add	*13.43*	
		For >100 To 250, Add	*4.86*	
		For >2,500 To 5,000, Deduct	*-2.43*	
		For >5,000, Deduct	*-4.86*	
		For 3/8" Non-Climbable Mesh, Add	*100.14*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.38	3.93
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.27*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.01*	
		For 13 Gauge Fabric, Deduct	*-9.90*	
		For 11 Gauge Fabric, Deduct	*-5.78*	
		For 6 Gauge Fabric, Add	*9.09*	
		For 1" Mesh Fabric, Add	*12.39*	
		For 1-3/4" Mesh Fabric, Add	*4.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.48*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.30*	
		For Posts 8' On Centers, Add	*2.41*	
		For Posts 5' On Centers, Add	*9.02*	
		For Up To 100, Add	*8.25*	
		For >100 To 250, Add	*3.01*	
		For >2,500 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-3.01*	
		For 3/8" Non-Climbable Mesh, Add	*45.61*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.07	3.93
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.75*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.22*	
		For 13 Gauge Fabric, Deduct	*-11.00*	
		For 11 Gauge Fabric, Deduct	*-6.43*	
		For 6 Gauge Fabric, Add	*10.10*	
		For 1" Mesh Fabric, Add	*13.77*	
		For 1-3/4" Mesh Fabric, Add	*5.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.67*	
		For Posts 8' On Centers, Add	*2.60*	
		For Posts 5' On Centers, Add	*9.72*	
		For Up To 100, Add	*8.85*	
		For >100 To 250, Add	*3.22*	
		For >2,500 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-3.22*	
		For 3/8" Non-Climbable Mesh, Add	*55.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	53.97	3.93
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.47*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.57*	
		For 13 Gauge Fabric, Deduct	*-12.68*	
		For 11 Gauge Fabric, Deduct	*-7.41*	
		For 6 Gauge Fabric, Add	*11.64*	
		For 1" Mesh Fabric, Add	*15.87*	
		For 1-3/4" Mesh Fabric, Add	*6.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.23*	
		For Posts 8' On Centers, Add	*2.91*	
		For Posts 5' On Centers, Add	*10.85*	
		For Up To 100, Add	*9.84*	
		For >100 To 250, Add	*3.57*	
		For >2,500 To 5,000, Deduct	*-1.79*	
		For >5,000, Deduct	*-3.57*	
		For 3/8" Non-Climbable Mesh, Add	*65.73*	
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	56.49	5.90
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.75*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.73*	
		For 13 Gauge Fabric, Deduct	*-13.33*	
		For 11 Gauge Fabric, Deduct	*-7.79*	
		For 6 Gauge Fabric, Add	*12.23*	
		For 1" Mesh Fabric, Add	*16.68*	
		For 1-3/4" Mesh Fabric, Add	*6.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.45*	
		For Posts 8' On Centers, Add	*3.04*	
		For Posts 5' On Centers, Add	*11.35*	
		For Up To 100, Add	*10.29*	
		For >100 To 250, Add	*3.73*	
		For >2,500 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.73*	
		For 3/8" Non-Climbable Mesh, Add	*75.95*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	64.34	6.89
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.75*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.18*	
		For 13 Gauge Fabric, Deduct	*-15.64*	
		For 11 Gauge Fabric, Deduct	*-9.14*	
		For 6 Gauge Fabric, Add	*14.36*	
		For 1" Mesh Fabric, Add	*19.58*	
		For 1-3/4" Mesh Fabric, Add	*7.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.22*	
		For Posts 8' On Centers, Add	*3.45*	
		For Posts 5' On Centers, Add	*12.84*	
		For Up To 100, Add	*11.58*	
		For >100 To 250, Add	*4.18*	
		For >2,500 To 5,000, Deduct	*-2.09*	
		For >5,000, Deduct	*-4.18*	
		For 3/8" Non-Climbable Mesh, Add	*86.25*	
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	68.67	8.86
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.27*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.45*	
		For 13 Gauge Fabric, Deduct	*-16.83*	
		For 11 Gauge Fabric, Deduct	*-9.83*	
		For 6 Gauge Fabric, Add	*15.45*	
		For 1" Mesh Fabric, Add	*21.07*	
		For 1-3/4" Mesh Fabric, Add	*8.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.21*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.62*	
		For Posts 8' On Centers, Add	*3.68*	
		For Posts 5' On Centers, Add	*13.68*	
		For Up To 100, Add	*12.32*	
		For >100 To 250, Add	*4.45*	
		For >2,500 To 5,000, Deduct	*-2.22*	
		For >5,000, Deduct	*-4.45*	
		For 3/8" Non-Climbable Mesh, Add	*95.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	73.03	9.84
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.78*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.71*	
		For 13 Gauge Fabric, Deduct	*-18.02*	
		For 11 Gauge Fabric, Deduct	*-10.53*	
		For 6 Gauge Fabric, Add	*16.55*	
		For 1" Mesh Fabric, Add	*22.56*	
		For 1-3/4" Mesh Fabric, Add	*9.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.51*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.02*	
		For Posts 8' On Centers, Add	*3.91*	
		For Posts 5' On Centers, Add	*14.52*	
		For Up To 100, Add	*13.07*	
		For >100 To 250, Add	*4.71*	
		For >2,500 To 5,000, Deduct	*-2.35*	
		For >5,000, Deduct	*-4.71*	
		For 3/8" Non-Climbable Mesh, Add	*104.56*	
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	79.70	11.81
		For Each Additional Foot >12, Add	*4.29*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.51*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.13*	
		For 13 Gauge Fabric, Deduct	*-19.72*	
		For 11 Gauge Fabric, Deduct	*-11.52*	
		For 6 Gauge Fabric, Add	*18.11*	
		For 1" Mesh Fabric, Add	*24.69*	
		For 1-3/4" Mesh Fabric, Add	*9.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.94*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.58*	
		For Posts 8' On Centers, Add	*4.26*	
		For Posts 5' On Centers, Add	*15.84*	
		For Up To 100, Add	*14.25*	
		For >100 To 250, Add	*5.13*	
		For >2,500 To 5,000, Deduct	*-2.57*	
		For >5,000, Deduct	*-5.13*	
		For 3/8" Non-Climbable Mesh, Add	*113.39*	

32 31 13 13-0162 Rails *(32 31 13 13)*

Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*

Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	7.23	1.27
		For SS15, Deduct	*-0.46*	
		For SS40, Add	*1.14*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	8.76	1.27
		For SS40, Add	*0.61*	
		For Powder Coated, Add	*1.22*	
		For Aluminum Coated, Add	*2.44*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	8.98	1.45
		For SS15, Deduct	*-0.61*	
		For SS40, Add	*1.52*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	11.03	1.45
		For SS40, Add	*0.81*	
		For Powder Coated, Add	*1.63*	
		For Aluminum Coated, Add	*3.26*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	10.54	1.62
		For SS40, Add	*1.83*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	13.01	1.62
		For SS40, Add	*0.98*	
		For Powder Coated, Add	*1.95*	
		For Aluminum Coated, Add	*3.91*	

32 31 13 13-0170 Fabric *(32 31 13 13)*

32 31 13 13-0171 Fabric, Galvanized Chain Link *(32 31 13 13-0170)*

32 31 13 13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.37	2.31
		For 1-1/4" Mesh Fabric, Add	*1.08*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.96*	
		For 13 Gauge Fabric, Deduct	*-1.73*	
		For 11 Gauge Fabric, Deduct	*-0.96*	
		For 6 Gauge Fabric, Add	*3.08*	
		For 1" Mesh Fabric, Add	*2.89*	
		For 1-1/4" Mesh Fabric, Add	*1.93*	
		For 1-3/4" Mesh Fabric, Add	*1.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.58*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.77*	
		For 3/8" Non-Climbable Mesh, Add	*32.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0173	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.60	2.60
		For 1-1/4" Mesh Fabric, Add	*1.26*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.12*	
		For 13 Gauge Fabric, Deduct	*-2.02*	
		For 11 Gauge Fabric, Deduct	*-1.12*	
		For 6 Gauge Fabric, Add	*3.59*	
		For 1" Mesh Fabric, Add	*3.37*	
		For 1-1/4" Mesh Fabric, Add	*2.25*	
		For 1-3/4" Mesh Fabric, Add	*1.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.67*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.90*	
		For 3/8" Non-Climbable Mesh, Add	*37.17*	
32 31 13 13-0174	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.62	2.89
		For 1-1/4" Mesh Fabric, Add	*1.38*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.24*	
		For 13 Gauge Fabric, Deduct	*-2.22*	
		For 11 Gauge Fabric, Deduct	*-1.24*	
		For 6 Gauge Fabric, Add	*3.95*	
		For 1" Mesh Fabric, Add	*3.71*	
		For 1-1/4" Mesh Fabric, Add	*2.47*	
		For 1-3/4" Mesh Fabric, Add	*1.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.74*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.99*	
		For 3/8" Non-Climbable Mesh, Add	*41.93*	
32 31 13 13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	15.42	3.48
		For 1-1/4" Mesh Fabric, Add	*1.72*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.54*	
		For 13 Gauge Fabric, Deduct	*-2.77*	
		For 11 Gauge Fabric, Deduct	*-1.54*	
		For 6 Gauge Fabric, Add	*4.93*	
		For 1" Mesh Fabric, Add	*4.62*	
		For 1-1/4" Mesh Fabric, Add	*3.08*	
		For 1-3/4" Mesh Fabric, Add	*1.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.23*	
		For 3/8" Non-Climbable Mesh, Add	*50.80*	
32 31 13 13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	17.32	4.05
		For 1-1/4" Mesh Fabric, Add	*2.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.85*	
		For 13 Gauge Fabric, Deduct	*-3.33*	
		For 11 Gauge Fabric, Deduct	*-1.85*	
		For 6 Gauge Fabric, Add	*5.92*	
		For 1" Mesh Fabric, Add	*5.55*	
		For 1-1/4" Mesh Fabric, Add	*3.70*	
		For 1-3/4" Mesh Fabric, Add	*2.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.11*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.48*	
		For 3/8" Non-Climbable Mesh, Add	*59.75*	
32 31 13 13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	19.30	4.63
		For 1-1/4" Mesh Fabric, Add	*2.41*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.15*	
		For 13 Gauge Fabric, Deduct	*-3.87*	
		For 11 Gauge Fabric, Deduct	*-2.15*	
		For 6 Gauge Fabric, Add	*6.89*	
		For 1" Mesh Fabric, Add	*6.46*	
		For 1-1/4" Mesh Fabric, Add	*4.31*	
		For 1-3/4" Mesh Fabric, Add	*2.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.72*	
		For 3/8" Non-Climbable Mesh, Add	*68.83*	
32 31 13 13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.42	5.79
		For 1-1/4" Mesh Fabric, Add	*2.76*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.46*	
		For 13 Gauge Fabric, Deduct	*-4.43*	
		For 11 Gauge Fabric, Deduct	*-2.46*	
		For 6 Gauge Fabric, Add	*7.88*	
		For 1" Mesh Fabric, Add	*7.39*	
		For 1-1/4" Mesh Fabric, Add	*4.93*	
		For 1-3/4" Mesh Fabric, Add	*2.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.48*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.97*	
		For 3/8" Non-Climbable Mesh, Add	*78.02*	
32 31 13 13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	25.58	6.37
		For 1-1/4" Mesh Fabric, Add	*3.58*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.20*	
		For 13 Gauge Fabric, Deduct	*-5.76*	
		For 11 Gauge Fabric, Deduct	*-3.20*	
		For 6 Gauge Fabric, Add	*10.24*	
		For 1" Mesh Fabric, Add	*9.60*	
		For 1-1/4" Mesh Fabric, Add	*6.40*	
		For 1-3/4" Mesh Fabric, Add	*3.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.56*	
		For 3/8" Non-Climbable Mesh, Add	*94.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	29.23	6.94
		For 1-1/4" Mesh Fabric, Add	*4.30*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.84*	
		For 13 Gauge Fabric, Deduct	*-6.90*	
		For 11 Gauge Fabric, Deduct	*-3.84*	
		For 6 Gauge Fabric, Add	*12.27*	
		For 1" Mesh Fabric, Add	*11.51*	
		For 1-1/4" Mesh Fabric, Add	*7.67*	
		For 1-3/4" Mesh Fabric, Add	*4.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.30*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.07*	
		For 3/8" Non-Climbable Mesh, Add	*102.22*	
32 31 13 13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	32.68	8.11
		For 1-1/4" Mesh Fabric, Add	*4.61*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.12*	
		For 13 Gauge Fabric, Deduct	*-7.42*	
		For 11 Gauge Fabric, Deduct	*-4.12*	
		For 6 Gauge Fabric, Add	*13.18*	
		For 1" Mesh Fabric, Add	*12.36*	
		For 1-1/4" Mesh Fabric, Add	*8.24*	
		For 1-3/4" Mesh Fabric, Add	*4.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.47*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.30*	
		For 3/8" Non-Climbable Mesh, Add	*111.40*	
32 31 13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	36.13	9.26
		For 1-1/4" Mesh Fabric, Add	*4.93*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.40*	
		For 13 Gauge Fabric, Deduct	*-7.92*	
		For 11 Gauge Fabric, Deduct	*-4.40*	
		For 6 Gauge Fabric, Add	*14.09*	
		For 1" Mesh Fabric, Add	*13.21*	
		For 1-1/4" Mesh Fabric, Add	*8.81*	
		For 1-3/4" Mesh Fabric, Add	*5.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.64*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.52*	
		For 3/8" Non-Climbable Mesh, Add	*120.59*	
32 31 13 13-0183		Fabric, Vinyl Coated Chain Link *(32 31 13 13-0170)*		
32 31 13 13-0184	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.18	2.31
		For 1-1/4" Mesh Fabric, Add	*1.82*	
		For 13 Gauge Fabric, Deduct	*-2.93*	
		For 11 Gauge Fabric, Deduct	*-1.63*	
		For 6 Gauge Fabric, Add	*5.20*	
		For 1" Mesh Fabric, Add	*4.88*	
		For 1-1/4" Mesh Fabric, Add	*3.25*	
		For 1-3/4" Mesh Fabric, Add	*1.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.98*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.30*	
		For 3/8" Non-Climbable Mesh, Add	*46.91*	
		For Aluminum Coated, Add	*2.60*	
32 31 13 13-0185	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.39	3.48
		For 1-1/4" Mesh Fabric, Add	*2.28*	
		For 13 Gauge Fabric, Deduct	*-3.66*	
		For 11 Gauge Fabric, Deduct	*-2.03*	
		For 6 Gauge Fabric, Add	*6.50*	
		For 1" Mesh Fabric, Add	*6.10*	
		For 1-1/4" Mesh Fabric, Add	*4.07*	
		For 1-3/4" Mesh Fabric, Add	*2.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.22*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.63*	
		For 3/8" Non-Climbable Mesh, Add	*57.03*	
		For Aluminum Coated, Add	*3.25*	
32 31 13 13-0186	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	21.32	4.05
		For 1-1/4" Mesh Fabric, Add	*3.19*	
		For 13 Gauge Fabric, Deduct	*-5.13*	
		For 11 Gauge Fabric, Deduct	*-2.85*	
		For 6 Gauge Fabric, Add	*9.12*	
		For 1" Mesh Fabric, Add	*8.55*	
		For 1-1/4" Mesh Fabric, Add	*5.70*	
		For 1-3/4" Mesh Fabric, Add	*3.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.28*	
		For 3/8" Non-Climbable Mesh, Add	*67.22*	
		For Aluminum Coated, Add	*4.56*	
32 31 13 13-0187	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	23.96	4.63
		For 1-1/4" Mesh Fabric, Add	*3.72*	
		For 13 Gauge Fabric, Deduct	*-5.97*	
		For 11 Gauge Fabric, Deduct	*-3.32*	
		For 6 Gauge Fabric, Add	*10.62*	
		For 1" Mesh Fabric, Add	*9.95*	
		For 1-1/4" Mesh Fabric, Add	*6.64*	
		For 1-3/4" Mesh Fabric, Add	*3.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.65*	
		For 3/8" Non-Climbable Mesh, Add	*77.55*	
		For Aluminum Coated, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0188	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	26.85	5.79
		For 1-1/4" Mesh Fabric, Add	*4.28*	
		For 13 Gauge Fabric, Deduct	*-6.88*	
		For 11 Gauge Fabric, Deduct	*-3.82*	
		For 6 Gauge Fabric, Add	*12.22*	
		For 1" Mesh Fabric, Add	*11.46*	
		For 1-1/4" Mesh Fabric, Add	*7.64*	
		For 1-3/4" Mesh Fabric, Add	*4.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.06*	
		For 3/8" Non-Climbable Mesh, Add	*87.99*	
		For Aluminum Coated, Add	*6.11*	
32 31 13 13-0189	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	31.80	6.37
		For 1-1/4" Mesh Fabric, Add	*5.33*	
		For 13 Gauge Fabric, Deduct	*-8.56*	
		For 11 Gauge Fabric, Deduct	*-4.76*	
		For 6 Gauge Fabric, Add	*15.22*	
		For 1" Mesh Fabric, Add	*14.27*	
		For 1-1/4" Mesh Fabric, Add	*9.51*	
		For 1-3/4" Mesh Fabric, Add	*5.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.85*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.80*	
		For 3/8" Non-Climbable Mesh, Add	*106.48*	
		For Aluminum Coated, Add	*7.61*	
32 31 13 13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	34.69	6.94
		For 1-1/4" Mesh Fabric, Add	*5.82*	
		For 13 Gauge Fabric, Deduct	*-9.36*	
		For 11 Gauge Fabric, Deduct	*-5.20*	
		For 6 Gauge Fabric, Add	*16.64*	
		For 1" Mesh Fabric, Add	*15.60*	
		For 1-1/4" Mesh Fabric, Add	*10.40*	
		For 1-3/4" Mesh Fabric, Add	*6.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.16*	
		For 3/8" Non-Climbable Mesh, Add	*115.47*	
		For Aluminum Coated, Add	*8.32*	
32 31 13 13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	39.10	8.11
		For 1-1/4" Mesh Fabric, Add	*6.41*	
		For 13 Gauge Fabric, Deduct	*-10.31*	
		For 11 Gauge Fabric, Deduct	*-5.73*	
		For 6 Gauge Fabric, Add	*18.32*	
		For 1" Mesh Fabric, Add	*17.18*	
		For 1-1/4" Mesh Fabric, Add	*11.45*	
		For 1-3/4" Mesh Fabric, Add	*6.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.58*	
		For 3/8" Non-Climbable Mesh, Add	*125.68*	
		For Aluminum Coated, Add	*9.16*	
32 31 13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	43.61	9.26
		For 1-1/4" Mesh Fabric, Add	*7.03*	
		For 13 Gauge Fabric, Deduct	*-11.29*	
		For 11 Gauge Fabric, Deduct	*-6.27*	
		For 6 Gauge Fabric, Add	*20.07*	
		For 1" Mesh Fabric, Add	*18.82*	
		For 1-1/4" Mesh Fabric, Add	*12.55*	
		For 1-3/4" Mesh Fabric, Add	*7.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.02*	
		For 3/8" Non-Climbable Mesh, Add	*135.90*	
		For Aluminum Coated, Add	*10.04*	
32 31 13 13-0193		Fabric, Aluminized Steel Chain Link *(32 31 13 13-0170)*		
32 31 13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.90	2.31
		For 6 Gauge Fabric, Add	*2.70*	
		For 1" Mesh Fabric, Add	*3.55*	
32 31 13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.03	2.60
		For 6 Gauge Fabric, Add	*3.14*	
		For 1" Mesh Fabric, Add	*4.12*	
32 31 13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.17	2.89
		For 6 Gauge Fabric, Add	*3.59*	
		For 1" Mesh Fabric, Add	*4.71*	
32 31 13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.87	3.48
		For 6 Gauge Fabric, Add	*4.49*	
		For 1" Mesh Fabric, Add	*5.89*	
32 31 13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.63	4.05
		For 6 Gauge Fabric, Add	*5.37*	
		For 1" Mesh Fabric, Add	*7.05*	
32 31 13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	18.54	4.63
		For 6 Gauge Fabric, Add	*6.28*	
		For 1" Mesh Fabric, Add	*8.24*	
32 31 13 13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	20.53	5.79
		For 6 Gauge Fabric, Add	*7.17*	
		For 1" Mesh Fabric, Add	*9.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	23.98	6.37
		For 6 Gauge Fabric, Add	*8.96*	
		For 1" Mesh Fabric, Add	*11.76*	
32 31 13 13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	27.33	6.94
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*14.11*	
32 31 13 13-0203		**Fabric, All Aluminum Chain Link** *(32 31 13 13-0170)*		
32 31 13 13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.35	2.31
		For 6 Gauge Fabric, Add	*7.06*	
		For 1" Mesh Fabric, Add	*9.27*	
32 31 13 13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.41	2.60
		For 6 Gauge Fabric, Add	*8.24*	
		For 1" Mesh Fabric, Add	*10.82*	
32 31 13 13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.45	2.89
		For 6 Gauge Fabric, Add	*9.42*	
		For 1" Mesh Fabric, Add	*12.36*	
32 31 13 13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	23.97	3.48
		For 6 Gauge Fabric, Add	*11.77*	
		For 1" Mesh Fabric, Add	*15.45*	
32 31 13 13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	27.58	4.05
		For 6 Gauge Fabric, Add	*14.13*	
		For 1" Mesh Fabric, Add	*18.54*	
32 31 13 13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	31.29	4.63
		For 6 Gauge Fabric, Add	*16.48*	
		For 1" Mesh Fabric, Add	*21.63*	
32 31 13 13-0210	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	35.11	5.79
		For 6 Gauge Fabric, Add	*18.83*	
		For 1" Mesh Fabric, Add	*24.72*	
32 31 13 13-0211	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	42.21	6.37
		For 6 Gauge Fabric, Add	*23.54*	
		For 1" Mesh Fabric, Add	*30.90*	
32 31 13 13-0212	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	49.20	6.94
		For 6 Gauge Fabric, Add	*28.25*	
		For 1" Mesh Fabric, Add	*37.08*	
32 31 13 13-0213		**Fence Inserts** *(32 31 13 13-0170)*		
		Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0214		**Vinyl Plastic Fence Inserts** *(32 31 13 13-0213)*		
		Note: Assorted colors.		
32 31 13 13-0215	LF	3' High Fence, Vinyl Plastic Fence Insert	9.94	
32 31 13 13-0216	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	11.36	
32 31 13 13-0217	LF	4' High Fence, Vinyl Plastic Fence Insert	12.52	
32 31 13 13-0218	LF	5' High Fence, Vinyl Plastic Fence Insert	15.70	
32 31 13 13-0219	LF	6' High Fence, Vinyl Plastic Fence Insert	18.78	
32 31 13 13-0220	LF	7' High Fence, Vinyl Plastic Fence Insert	21.97	
32 31 13 13-0221	LF	8' High Fence, Vinyl Plastic Fence Insert	25.04	
32 31 13 13-0222	LF	10' High Fence, Vinyl Plastic Fence Insert	30.36	
32 31 13 13-0223		**Aluminum Fence Inserts** *(32 31 13 13-0213)*		
		Note: Assorted colors.		
32 31 13 13-0224	LF	3' High Fence, Aluminum Fence Insert	34.22	
32 31 13 13-0225	LF	3-1/2' High Fence, Aluminum Fence Insert	37.54	
32 31 13 13-0226	LF	4' High Fence, Aluminum Fence Insert	42.68	
32 31 13 13-0227	LF	5' High Fence, Aluminum Fence Insert	53.41	
32 31 13 13-0228	LF	6' High Fence, Aluminum Fence Insert	64.09	
32 31 13 13-0229	LF	7' High Fence, Aluminum Fence Insert	69.68	
32 31 13 13-0230	LF	8' High Fence, Aluminum Fence Insert	85.43	
32 31 13 13-0231	LF	10' High Fence, Aluminum Fence Insert	106.28	
32 31 13 13-0232		**Redwood Fence Inserts** *(32 31 13 13-0213)*		
32 31 13 13-0233	LF	4' High Fence, Redwood Fence Insert	14.82	
32 31 13 13-0234	LF	5' High Fence, Redwood Fence Insert	18.75	
32 31 13 13-0235	LF	6' High Fence, Redwood Fence Insert	22.52	
32 31 13 13-0236	LF	7' High Fence, Redwood Fence Insert	26.21	
32 31 13 13-0237	LF	8' High Fence, Redwood Fence Insert	29.99	
32 31 13 13-0238		**Diagonal Flexible Polyethylene Inserts** *(32 31 13 13-0213)*		
32 31 13 13-0239	SF	Diagonal Polyethylene Fence Weave	3.97	
32 31 13 13-0240		**Hedge Link Fence Inserts** *(32 31 13 13-0213)*		
32 31 13 13-0241	LF	3' High Fence, Hedge Link Fence Insert	21.11	
32 31 13 13-0242	LF	3-1/2' High Fence, Hedge Link Fence Insert	24.04	
32 31 13 13-0243	LF	4' High Fence, Hedge Link Fence Insert	28.20	
32 31 13 13-0244	LF	5' High Fence, Hedge Link Fence Insert	34.79	
32 31 13 13-0245	LF	6' High Fence, Hedge Link Fence Insert	39.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0246	LF	7' High Fence, Hedge Link Fence Insert	50.26	
32 31 13 13-0247	LF	8' High Fence, Hedge Link Fence Insert	57.07	
32 31 13 13-0248	LF	10' High Fence, Hedge Link Fence Insert	68.18	
32 31 13 13-0249	LF	12' High Fence, Hedge Link Fence Insert	78.20	
32 31 13 13-0250		**Fence Windscreen Fabric** *(32 31 13 13-0170)*		
		Note: Includes plastic wire clips.		
32 31 13 13-0251	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.35	0.62
		For Sewn Boxed Vent (Each), Add	*28.17*	
		For Welded Boxed Vent (Each), Add	*14.09*	
		For 4' x 4' One Color Logo (Each), Add	*586.95*	
32 31 13 13-0252		**Non-Climbable Fabric, Galvanized Chain Link** *(32 31 13 13-0170)*		
32 31 13 13-0253	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	32.43	2.31
		For 11 Gauge, Deduct	*-4.98*	
		For 10 Gauge, Deduct	*-1.99*	
		For 7 Gauge, Add	*2.99*	
		For 6 Gauge, Add	*6.97*	
		For 1/2" Mesh Fabric, Deduct	*-1.25*	
		For 5/8" Mesh Fabric, Deduct	*-2.74*	
		For 3/4" Mesh Fabric, Deduct	*-3.99*	
32 31 13 13-0254	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	37.17	2.60
		For 11 Gauge, Deduct	*-5.81*	
		For 10 Gauge, Deduct	*-2.32*	
		For 7 Gauge, Add	*3.49*	
		For 6 Gauge, Add	*8.14*	
		For 1/2" Mesh Fabric, Deduct	*-1.45*	
		For 5/8" Mesh Fabric, Deduct	*-3.20*	
		For 3/4" Mesh Fabric, Deduct	*-4.65*	
32 31 13 13-0255	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	41.93	2.89
		For 11 Gauge, Deduct	*-6.65*	
		For 10 Gauge, Deduct	*-2.66*	
		For 7 Gauge, Add	*3.99*	
		For 6 Gauge, Add	*9.31*	
		For 1/2" Mesh Fabric, Deduct	*-1.66*	
		For 5/8" Mesh Fabric, Deduct	*-3.66*	
		For 3/4" Mesh Fabric, Deduct	*-5.32*	
32 31 13 13-0256	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	50.80	3.48
		For 11 Gauge, Deduct	*-8.31*	
		For 10 Gauge, Deduct	*-3.32*	
		For 7 Gauge, Add	*4.98*	
		For 6 Gauge, Add	*11.63*	
		For 1/2" Mesh Fabric, Deduct	*-2.08*	
		For 5/8" Mesh Fabric, Deduct	*-4.57*	
		For 3/4" Mesh Fabric, Deduct	*-6.65*	
32 31 13 13-0257	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	59.75	4.05
		For 11 Gauge, Deduct	*-9.97*	
		For 10 Gauge, Deduct	*-3.99*	
		For 7 Gauge, Add	*5.98*	
		For 6 Gauge, Add	*13.95*	
		For 1/2" Mesh Fabric, Deduct	*-2.49*	
		For 5/8" Mesh Fabric, Deduct	*-5.48*	
		For 3/4" Mesh Fabric, Deduct	*-7.97*	
32 31 13 13-0258	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	68.83	4.63
		For 11 Gauge, Deduct	*-11.63*	
		For 10 Gauge, Deduct	*-4.65*	
		For 7 Gauge, Add	*6.98*	
		For 6 Gauge, Add	*16.28*	
		For 1/2" Mesh Fabric, Deduct	*-2.91*	
		For 5/8" Mesh Fabric, Deduct	*-6.40*	
		For 3/4" Mesh Fabric, Deduct	*-9.30*	
32 31 13 13-0259	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	78.02	5.79
		For 11 Gauge, Deduct	*-13.29*	
		For 10 Gauge, Deduct	*-5.32*	
		For 7 Gauge, Add	*7.97*	
		For 6 Gauge, Add	*18.61*	
		For 1/2" Mesh Fabric, Deduct	*-3.32*	
		For 5/8" Mesh Fabric, Deduct	*-7.31*	
		For 3/4" Mesh Fabric, Deduct	*-10.63*	
32 31 13 13-0260	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	86.11	6.08
		For 11 Gauge, Deduct	*-14.79*	
		For 10 Gauge, Deduct	*-5.92*	
		For 7 Gauge, Add	*8.88*	
		For 6 Gauge, Add	*20.71*	
		For 1/2" Mesh Fabric, Deduct	*-3.70*	
		For 5/8" Mesh Fabric, Deduct	*-8.14*	
		For 3/4" Mesh Fabric, Deduct	*-11.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0261	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	94.26	6.37
		For 11 Gauge, Deduct	*-16.30*	
		For 10 Gauge, Deduct	*-6.52*	
		For 7 Gauge, Add	*9.78*	
		For 6 Gauge, Add	*22.81*	
		For 1/2" Mesh Fabric, Deduct	*-4.07*	
		For 5/8" Mesh Fabric, Deduct	*-8.96*	
		For 3/4" Mesh Fabric, Deduct	*-13.04*	
32 31 13 13-0262	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	102.22	6.94
		For 11 Gauge, Deduct	*-17.67*	
		For 10 Gauge, Deduct	*-7.07*	
		For 7 Gauge, Add	*10.60*	
		For 6 Gauge, Add	*24.73*	
		For 1/2" Mesh Fabric, Deduct	*-4.42*	
		For 5/8" Mesh Fabric, Deduct	*-9.72*	
		For 3/4" Mesh Fabric, Deduct	*-14.13*	

32 31 13 13-0263 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0264 Galvanized Steel Without Barbed Wire *(32 31 13 13-0263)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0265 4' Fence Height *(32 31 13 13-0264)*

32 31 13 13-0266	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	368.01	26.00
		For Gate With Single Barb Wire Arm, Add	*31.54*	
		For Gate With Double Barb Wire Arm, Add	*45.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.77*	
		For Aluminized Steel Gate And Post, Add	*137.64*	
		For Powder Coated Gate And Post, Add	*74.56*	
		For 1" Mesh Fabric, Add	*124.74*	
		For 1-1/4" Mesh Fabric, Add	*80.29*	
		For 1-3/4" Mesh Fabric, Add	*49.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.95*	
32 31 13 13-0267	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	463.59	27.09
		For Gate With Single Barb Wire Arm, Add	*42.06*	
		For Gate With Double Barb Wire Arm, Add	*61.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.69*	
		For Aluminized Steel Gate And Post, Add	*183.52*	
		For Powder Coated Gate And Post, Add	*99.41*	
		For 1" Mesh Fabric, Add	*166.31*	
		For 1-1/4" Mesh Fabric, Add	*107.05*	
		For 1-3/4" Mesh Fabric, Add	*66.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.26*	
32 31 13 13-0268	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	548.27	28.82
		For Gate With Single Barb Wire Arm, Add	*50.78*	
		For Gate With Double Barb Wire Arm, Add	*73.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.55*	
		For Aluminized Steel Gate And Post, Add	*221.57*	
		For Powder Coated Gate And Post, Add	*120.02*	
		For 1" Mesh Fabric, Add	*200.80*	
		For 1-1/4" Mesh Fabric, Add	*129.25*	
		For 1-3/4" Mesh Fabric, Add	*80.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.16*	
32 31 13 13-0269	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	644.88	34.67
		For Gate With Single Barb Wire Arm, Add	*59.49*	
		For Gate With Double Barb Wire Arm, Add	*86.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.41*	
		For Aluminized Steel Gate And Post, Add	*259.61*	
		For Powder Coated Gate And Post, Add	*140.62*	
		For 1" Mesh Fabric, Add	*235.27*	
		For 1-1/4" Mesh Fabric, Add	*151.44*	
		For 1-3/4" Mesh Fabric, Add	*94.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.05*	
32 31 13 13-0270	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	741.47	40.41
		For Gate With Single Barb Wire Arm, Add	*68.21*	
		For Gate With Double Barb Wire Arm, Add	*99.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.27*	
		For Aluminized Steel Gate And Post, Add	*297.66*	
		For Powder Coated Gate And Post, Add	*161.23*	
		For 1" Mesh Fabric, Add	*269.76*	
		For 1-1/4" Mesh Fabric, Add	*173.64*	
		For 1-3/4" Mesh Fabric, Add	*107.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0271	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	841.32	46.15
		For Gate With Single Barb Wire Arm, Add	*77.29*	
		For Gate With Double Barb Wire Arm, Add	*112.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-131.75*	
		For Aluminized Steel Gate And Post, Add	*337.27*	
		For Powder Coated Gate And Post, Add	*182.69*	
		For 1" Mesh Fabric, Add	*305.65*	
		For 1-1/4" Mesh Fabric, Add	*196.74*	
		For 1-3/4" Mesh Fabric, Add	*122.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.13*	
32 31 13 13-0272	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	937.92	52.00
		For Gate With Single Barb Wire Arm, Add	*86.01*	
		For Gate With Double Barb Wire Arm, Add	*125.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.61*	
		For Aluminized Steel Gate And Post, Add	*375.32*	
		For Powder Coated Gate And Post, Add	*203.30*	
		For 1" Mesh Fabric, Add	*340.14*	
		For 1-1/4" Mesh Fabric, Add	*218.94*	
		For 1-3/4" Mesh Fabric, Add	*136.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-68.03*	
32 31 13 13-0273	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,035.90	57.74
		For Gate With Single Barb Wire Arm, Add	*94.88*	
		For Gate With Double Barb Wire Arm, Add	*138.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.73*	
		For Aluminized Steel Gate And Post, Add	*414.04*	
		For Powder Coated Gate And Post, Add	*224.27*	
		For 1" Mesh Fabric, Add	*375.22*	
		For 1-1/4" Mesh Fabric, Add	*241.52*	
		For 1-3/4" Mesh Fabric, Add	*150.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.04*	
32 31 13 13-0274	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,320.34	57.74
		For Gate With Single Barb Wire Arm, Add	*126.17*	
		For Gate With Double Barb Wire Arm, Add	*183.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.06*	
		For Aluminized Steel Gate And Post, Add	*550.56*	
		For Powder Coated Gate And Post, Add	*298.22*	
		For 1" Mesh Fabric, Add	*498.95*	
		For 1-1/4" Mesh Fabric, Add	*321.16*	
		For 1-3/4" Mesh Fabric, Add	*199.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.79*	
32 31 13 13-0275	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,562.12	61.86
		For Gate With Single Barb Wire Arm, Add	*151.40*	
		For Gate With Double Barb Wire Arm, Add	*220.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.08*	
		For Aluminized Steel Gate And Post, Add	*660.67*	
		For Powder Coated Gate And Post, Add	*357.86*	
		For 1" Mesh Fabric, Add	*598.73*	
		For 1-1/4" Mesh Fabric, Add	*385.39*	
		For 1-3/4" Mesh Fabric, Add	*239.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.75*	
32 31 13 13-0276	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,805.80	66.63
		For Gate With Single Barb Wire Arm, Add	*176.64*	
		For Gate With Double Barb Wire Arm, Add	*256.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-301.09*	
		For Aluminized Steel Gate And Post, Add	*770.78*	
		For Powder Coated Gate And Post, Add	*417.51*	
		For 1" Mesh Fabric, Add	*698.52*	
		For 1-1/4" Mesh Fabric, Add	*449.62*	
		For 1-3/4" Mesh Fabric, Add	*279.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-139.70*	
32 31 13 13-0277	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,051.87	72.15
		For Gate With Single Barb Wire Arm, Add	*201.87*	
		For Gate With Double Barb Wire Arm, Add	*293.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.10*	
		For Aluminized Steel Gate And Post, Add	*880.90*	
		For Powder Coated Gate And Post, Add	*477.15*	
		For 1" Mesh Fabric, Add	*798.31*	
		For 1-1/4" Mesh Fabric, Add	*513.86*	
		For 1-3/4" Mesh Fabric, Add	*319.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-159.66*	
32 31 13 13-0278	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,333.63	89.54
		For Gate With Single Barb Wire Arm, Add	*227.11*	
		For Gate With Double Barb Wire Arm, Add	*330.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-387.11*	
		For Aluminized Steel Gate And Post, Add	*991.01*	
		For Powder Coated Gate And Post, Add	*536.80*	
		For 1" Mesh Fabric, Add	*898.10*	
		For 1-1/4" Mesh Fabric, Add	*578.09*	
		For 1-3/4" Mesh Fabric, Add	*359.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-179.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0279	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,582.24	95.97
		For Gate With Single Barb Wire Arm, Add	*252.34*	
		For Gate With Double Barb Wire Arm, Add	*367.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-430.13*	
		For Aluminized Steel Gate And Post, Add	*1,101.12*	
		For Powder Coated Gate And Post, Add	*596.44*	
		For 1" Mesh Fabric, Add	*997.89*	
		For 1-1/4" Mesh Fabric, Add	*642.32*	
		For 1-3/4" Mesh Fabric, Add	*399.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-199.58*	
32 31 13 13-0280	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,828.21	103.41
		For Gate With Single Barb Wire Arm, Add	*276.96*	
		For Gate With Double Barb Wire Arm, Add	*402.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-472.09*	
		For Aluminized Steel Gate And Post, Add	*1,208.54*	
		For Powder Coated Gate And Post, Add	*654.63*	
		For 1" Mesh Fabric, Add	*1,095.24*	
		For 1-1/4" Mesh Fabric, Add	*704.98*	
		For 1-3/4" Mesh Fabric, Add	*438.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.05*	
32 31 13 13-0281	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,077.89	111.98
		For Gate With Single Barb Wire Arm, Add	*301.58*	
		For Gate With Double Barb Wire Arm, Add	*438.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-514.05*	
		For Aluminized Steel Gate And Post, Add	*1,315.97*	
		For Powder Coated Gate And Post, Add	*712.82*	
		For 1" Mesh Fabric, Add	*1,192.60*	
		For 1-1/4" Mesh Fabric, Add	*767.65*	
		For 1-3/4" Mesh Fabric, Add	*477.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.52*	
32 31 13 13-0282	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,332.26	122.20
		For Gate With Single Barb Wire Arm, Add	*326.20*	
		For Gate With Double Barb Wire Arm, Add	*474.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-556.01*	
		For Aluminized Steel Gate And Post, Add	*1,423.40*	
		For Powder Coated Gate And Post, Add	*771.01*	
		For 1" Mesh Fabric, Add	*1,289.95*	
		For 1-1/4" Mesh Fabric, Add	*830.31*	
		For 1-3/4" Mesh Fabric, Add	*515.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.99*	
32 31 13 13-0283	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,508.83	134.43
		For Gate With Single Barb Wire Arm, Add	*341.58*	
		For Gate With Double Barb Wire Arm, Add	*496.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-582.24*	
		For Aluminized Steel Gate And Post, Add	*1,490.54*	
		For Powder Coated Gate And Post, Add	*807.38*	
		For 1" Mesh Fabric, Add	*1,350.80*	
		For 1-1/4" Mesh Fabric, Add	*869.48*	
		For 1-3/4" Mesh Fabric, Add	*540.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.16*	
32 31 13 13-0284	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,889.38	149.31
		For Gate With Single Barb Wire Arm, Add	*378.51*	
		For Gate With Double Barb Wire Arm, Add	*550.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-645.19*	
		For Aluminized Steel Gate And Post, Add	*1,651.68*	
		For Powder Coated Gate And Post, Add	*894.66*	
		For 1" Mesh Fabric, Add	*1,496.84*	
		For 1-1/4" Mesh Fabric, Add	*963.48*	
		For 1-3/4" Mesh Fabric, Add	*598.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.37*	

32 31 13 13-0285 5' Fence Height *(32 31 13 13-0264)*

32 31 13 13-0286	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	441.03	28.82
		For Gate With Single Barb Wire Arm, Add	*38.98*	
		For Gate With Double Barb Wire Arm, Add	*56.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.44*	
		For Aluminized Steel Gate And Post, Add	*170.09*	
		For Powder Coated Gate And Post, Add	*92.13*	
		For 1" Mesh Fabric, Add	*154.15*	
		For 1-1/4" Mesh Fabric, Add	*99.22*	
		For 1-3/4" Mesh Fabric, Add	*61.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.83*	
32 31 13 13-0287	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	557.59	28.82
		For Gate With Single Barb Wire Arm, Add	*51.80*	
		For Gate With Double Barb Wire Arm, Add	*75.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.30*	
		For Aluminized Steel Gate And Post, Add	*226.04*	
		For Powder Coated Gate And Post, Add	*122.44*	
		For 1" Mesh Fabric, Add	*204.85*	
		For 1-1/4" Mesh Fabric, Add	*131.86*	
		For 1-3/4" Mesh Fabric, Add	*81.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0288	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	651.61	30.66
		For Gate With Single Barb Wire Arm, Add	*61.55*	
		For Gate With Double Barb Wire Arm, Add	*89.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.91*	
		For Aluminized Steel Gate And Post, Add	*268.56*	
		For Powder Coated Gate And Post, Add	*145.47*	
		For 1" Mesh Fabric, Add	*243.39*	
		For 1-1/4" Mesh Fabric, Add	*156.66*	
		For 1-3/4" Mesh Fabric, Add	*97.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.68*	
32 31 13 13-0289	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	763.27	36.83
		For Gate With Single Barb Wire Arm, Add	*71.80*	
		For Gate With Double Barb Wire Arm, Add	*104.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.39*	
		For Aluminized Steel Gate And Post, Add	*313.32*	
		For Powder Coated Gate And Post, Add	*169.72*	
		For 1" Mesh Fabric, Add	*283.95*	
		For 1-1/4" Mesh Fabric, Add	*182.77*	
		For 1-3/4" Mesh Fabric, Add	*113.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.79*	
32 31 13 13-0290	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	865.61	42.90
		For Gate With Single Barb Wire Arm, Add	*81.04*	
		For Gate With Double Barb Wire Arm, Add	*117.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-138.13*	
		For Aluminized Steel Gate And Post, Add	*353.61*	
		For Powder Coated Gate And Post, Add	*191.54*	
		For 1" Mesh Fabric, Add	*320.46*	
		For 1-1/4" Mesh Fabric, Add	*206.27*	
		For 1-3/4" Mesh Fabric, Add	*128.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.09*	
32 31 13 13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	978.36	49.40
		For Gate With Single Barb Wire Arm, Add	*91.29*	
		For Gate With Double Barb Wire Arm, Add	*132.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.61*	
		For Aluminized Steel Gate And Post, Add	*398.37*	
		For Powder Coated Gate And Post, Add	*215.78*	
		For 1" Mesh Fabric, Add	*361.02*	
		For 1-1/4" Mesh Fabric, Add	*232.38*	
		For 1-3/4" Mesh Fabric, Add	*144.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.20*	
32 31 13 13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,085.36	55.57
		For Gate With Single Barb Wire Arm, Add	*101.04*	
		For Gate With Double Barb Wire Arm, Add	*146.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.22*	
		For Aluminized Steel Gate And Post, Add	*440.89*	
		For Powder Coated Gate And Post, Add	*238.82*	
		For 1" Mesh Fabric, Add	*399.56*	
		For 1-1/4" Mesh Fabric, Add	*257.19*	
		For 1-3/4" Mesh Fabric, Add	*159.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.91*	
32 31 13 13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,192.37	61.64
		For Gate With Single Barb Wire Arm, Add	*110.78*	
		For Gate With Double Barb Wire Arm, Add	*161.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-188.84*	
		For Aluminized Steel Gate And Post, Add	*483.42*	
		For Powder Coated Gate And Post, Add	*261.85*	
		For 1" Mesh Fabric, Add	*438.10*	
		For 1-1/4" Mesh Fabric, Add	*281.99*	
		For 1-3/4" Mesh Fabric, Add	*175.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.62*	
32 31 13 13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,606.88	61.86
		For Gate With Single Barb Wire Arm, Add	*156.33*	
		For Gate With Double Barb Wire Arm, Add	*227.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.47*	
		For Aluminized Steel Gate And Post, Add	*682.16*	
		For Powder Coated Gate And Post, Add	*369.50*	
		For 1" Mesh Fabric, Add	*618.20*	
		For 1-1/4" Mesh Fabric, Add	*397.92*	
		For 1-3/4" Mesh Fabric, Add	*247.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.64*	
32 31 13 13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,906.51	66.63
		For Gate With Single Barb Wire Arm, Add	*187.72*	
		For Gate With Double Barb Wire Arm, Add	*273.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-319.97*	
		For Aluminized Steel Gate And Post, Add	*819.12*	
		For Powder Coated Gate And Post, Add	*443.69*	
		For 1" Mesh Fabric, Add	*742.33*	
		For 1-1/4" Mesh Fabric, Add	*477.82*	
		For 1-3/4" Mesh Fabric, Add	*296.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-148.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,208.53	72.15
		For Gate With Single Barb Wire Arm, Add	*219.10*	
		For Gate With Double Barb Wire Arm, Add	*318.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-373.47*	
		For Aluminized Steel Gate And Post, Add	*956.09*	
		For Powder Coated Gate And Post, Add	*517.88*	
		For 1" Mesh Fabric, Add	*866.46*	
		For 1-1/4" Mesh Fabric, Add	*557.72*	
		For 1-3/4" Mesh Fabric, Add	*346.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-173.29*	
32 31 13 13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,546.24	89.54
		For Gate With Single Barb Wire Arm, Add	*250.49*	
		For Gate With Double Barb Wire Arm, Add	*364.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-426.98*	
		For Aluminized Steel Gate And Post, Add	*1,093.06*	
		For Powder Coated Gate And Post, Add	*592.07*	
		For 1" Mesh Fabric, Add	*990.59*	
		For 1-1/4" Mesh Fabric, Add	*637.62*	
		For 1-3/4" Mesh Fabric, Add	*396.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-198.12*	
32 31 13 13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,845.21	95.97
		For Gate With Single Barb Wire Arm, Add	*281.27*	
		For Gate With Double Barb Wire Arm, Add	*409.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-479.43*	
		For Aluminized Steel Gate And Post, Add	*1,227.35*	
		For Powder Coated Gate And Post, Add	*664.81*	
		For 1" Mesh Fabric, Add	*1,112.28*	
		For 1-1/4" Mesh Fabric, Add	*715.95*	
		For 1-3/4" Mesh Fabric, Add	*444.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-222.46*	
32 31 13 13-0299	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,158.33	103.41
		For Gate With Single Barb Wire Arm, Add	*313.27*	
		For Gate With Double Barb Wire Arm, Add	*455.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-533.99*	
		For Aluminized Steel Gate And Post, Add	*1,367.00*	
		For Powder Coated Gate And Post, Add	*740.46*	
		For 1" Mesh Fabric, Add	*1,238.85*	
		For 1-1/4" Mesh Fabric, Add	*797.42*	
		For 1-3/4" Mesh Fabric, Add	*495.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-247.77*	
32 31 13 13-0300	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,469.55	111.98
		For Gate With Single Barb Wire Arm, Add	*344.66*	
		For Gate With Double Barb Wire Arm, Add	*501.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-587.49*	
		For Aluminized Steel Gate And Post, Add	*1,503.97*	
		For Powder Coated Gate And Post, Add	*814.65*	
		For 1" Mesh Fabric, Add	*1,362.97*	
		For 1-1/4" Mesh Fabric, Add	*877.32*	
		For 1-3/4" Mesh Fabric, Add	*545.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-272.59*	
32 31 13 13-0301	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,779.87	122.20
		For Gate With Single Barb Wire Arm, Add	*375.43*	
		For Gate With Double Barb Wire Arm, Add	*546.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-639.94*	
		For Aluminized Steel Gate And Post, Add	*1,638.25*	
		For Powder Coated Gate And Post, Add	*887.39*	
		For 1" Mesh Fabric, Add	*1,484.66*	
		For 1-1/4" Mesh Fabric, Add	*955.65*	
		For 1-3/4" Mesh Fabric, Add	*593.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-296.93*	
32 31 13 13-0302	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,107.51	134.43
		For Gate With Single Barb Wire Arm, Add	*407.44*	
		For Gate With Double Barb Wire Arm, Add	*592.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-694.49*	
		For Aluminized Steel Gate And Post, Add	*1,777.91*	
		For Powder Coated Gate And Post, Add	*963.03*	
		For 1" Mesh Fabric, Add	*1,611.23*	
		For 1-1/4" Mesh Fabric, Add	*1,037.11*	
		For 1-3/4" Mesh Fabric, Add	*644.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-322.25*	
32 31 13 13-0303	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,434.18	149.31
		For Gate With Single Barb Wire Arm, Add	*438.44*	
		For Gate With Double Barb Wire Arm, Add	*637.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-747.34*	
		For Aluminized Steel Gate And Post, Add	*1,913.18*	
		For Powder Coated Gate And Post, Add	*1,036.31*	
		For 1" Mesh Fabric, Add	*1,733.82*	
		For 1-1/4" Mesh Fabric, Add	*1,116.02*	
		For 1-3/4" Mesh Fabric, Add	*693.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-346.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0304	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,767.90	167.97
		For Gate With Single Barb Wire Arm, Add	*468.98*	
		For Gate With Double Barb Wire Arm, Add	*682.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-799.40*	
		For Aluminized Steel Gate And Post, Add	*2,046.47*	
		For Powder Coated Gate And Post, Add	*1,108.50*	
		For 1" Mesh Fabric, Add	*1,854.61*	
		For 1-1/4" Mesh Fabric, Add	*1,193.77*	
		For 1-3/4" Mesh Fabric, Add	*741.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.92*	
32 31 13 13-0305		6' Fence Height *(32 31 13 13-0264)*		
32 31 13 13-0306	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	472.86	30.87
		For Gate With Single Barb Wire Arm, Add	*41.80*	
		For Gate With Double Barb Wire Arm, Add	*60.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.25*	
		For Aluminized Steel Gate And Post, Add	*182.40*	
		For Powder Coated Gate And Post, Add	*98.80*	
		For 1" Mesh Fabric, Add	*165.30*	
		For 1-1/4" Mesh Fabric, Add	*106.40*	
		For 1-3/4" Mesh Fabric, Add	*66.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.06*	
32 31 13 13-0307	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	598.75	30.87
		For Gate With Single Barb Wire Arm, Add	*55.65*	
		For Gate With Double Barb Wire Arm, Add	*80.94*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.85*	
		For Aluminized Steel Gate And Post, Add	*242.83*	
		For Powder Coated Gate And Post, Add	*131.53*	
		For 1" Mesh Fabric, Add	*220.06*	
		For 1-1/4" Mesh Fabric, Add	*141.65*	
		For 1-3/4" Mesh Fabric, Add	*88.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.01*	
32 31 13 13-0308	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	700.76	32.82
		For Gate With Single Barb Wire Arm, Add	*66.24*	
		For Gate With Double Barb Wire Arm, Add	*96.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-112.91*	
		For Aluminized Steel Gate And Post, Add	*289.04*	
		For Powder Coated Gate And Post, Add	*156.56*	
		For 1" Mesh Fabric, Add	*261.94*	
		For 1-1/4" Mesh Fabric, Add	*168.61*	
		For 1-3/4" Mesh Fabric, Add	*104.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.39*	
32 31 13 13-0309	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	813.90	39.65
		For Gate With Single Barb Wire Arm, Add	*76.42*	
		For Gate With Double Barb Wire Arm, Add	*111.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.26*	
		For Aluminized Steel Gate And Post, Add	*333.47*	
		For Powder Coated Gate And Post, Add	*180.63*	
		For 1" Mesh Fabric, Add	*302.21*	
		For 1-1/4" Mesh Fabric, Add	*194.52*	
		For 1-3/4" Mesh Fabric, Add	*120.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.44*	
32 31 13 13-0310	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	932.38	46.58
		For Gate With Single Barb Wire Arm, Add	*87.19*	
		For Gate With Double Barb Wire Arm, Add	*126.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.62*	
		For Aluminized Steel Gate And Post, Add	*380.47*	
		For Powder Coated Gate And Post, Add	*206.09*	
		For 1" Mesh Fabric, Add	*344.80*	
		For 1-1/4" Mesh Fabric, Add	*221.94*	
		For 1-3/4" Mesh Fabric, Add	*137.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-68.96*	
32 31 13 13-0311	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,045.13	53.09
		For Gate With Single Barb Wire Arm, Add	*97.45*	
		For Gate With Double Barb Wire Arm, Add	*141.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.10*	
		For Aluminized Steel Gate And Post, Add	*425.23*	
		For Powder Coated Gate And Post, Add	*230.33*	
		For 1" Mesh Fabric, Add	*385.36*	
		For 1-1/4" Mesh Fabric, Add	*248.05*	
		For 1-3/4" Mesh Fabric, Add	*154.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.07*	
32 31 13 13-0312	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,158.99	59.91
		For Gate With Single Barb Wire Arm, Add	*107.71*	
		For Gate With Double Barb Wire Arm, Add	*156.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.59*	
		For Aluminized Steel Gate And Post, Add	*469.99*	
		For Powder Coated Gate And Post, Add	*254.58*	
		For 1" Mesh Fabric, Add	*425.93*	
		For 1-1/4" Mesh Fabric, Add	*274.16*	
		For 1-3/4" Mesh Fabric, Add	*170.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0313	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,230.84	66.73
		For Gate With Single Barb Wire Arm, Add	*113.35*	
		For Gate With Double Barb Wire Arm, Add	*164.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-193.21*	
		For Aluminized Steel Gate And Post, Add	*494.61*	
		For Powder Coated Gate And Post, Add	*267.91*	
		For 1" Mesh Fabric, Add	*448.24*	
		For 1-1/4" Mesh Fabric, Add	*288.52*	
		For 1-3/4" Mesh Fabric, Add	*179.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.65*	
32 31 13 13-0314	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,716.28	66.63
		For Gate With Single Barb Wire Arm, Add	*166.79*	
		For Gate With Double Barb Wire Arm, Add	*242.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.30*	
		For Aluminized Steel Gate And Post, Add	*727.81*	
		For Powder Coated Gate And Post, Add	*394.23*	
		For 1" Mesh Fabric, Add	*659.58*	
		For 1-1/4" Mesh Fabric, Add	*424.56*	
		For 1-3/4" Mesh Fabric, Add	*263.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.92*	
32 31 13 13-0315	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,035.08	72.15
		For Gate With Single Barb Wire Arm, Add	*200.03*	
		For Gate With Double Barb Wire Arm, Add	*290.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-340.95*	
		For Aluminized Steel Gate And Post, Add	*872.84*	
		For Powder Coated Gate And Post, Add	*472.79*	
		For 1" Mesh Fabric, Add	*791.01*	
		For 1-1/4" Mesh Fabric, Add	*509.15*	
		For 1-3/4" Mesh Fabric, Add	*316.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-158.20*	
32 31 13 13-0316	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,414.39	95.97
		For Gate With Single Barb Wire Arm, Add	*233.88*	
		For Gate With Double Barb Wire Arm, Add	*340.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-398.65*	
		For Aluminized Steel Gate And Post, Add	*1,020.55*	
		For Powder Coated Gate And Post, Add	*552.80*	
		For 1" Mesh Fabric, Add	*924.88*	
		For 1-1/4" Mesh Fabric, Add	*595.32*	
		For 1-3/4" Mesh Fabric, Add	*369.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-184.98*	
32 31 13 13-0317	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,738.69	103.41
		For Gate With Single Barb Wire Arm, Add	*267.11*	
		For Gate With Double Barb Wire Arm, Add	*388.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-455.30*	
		For Aluminized Steel Gate And Post, Add	*1,165.57*	
		For Powder Coated Gate And Post, Add	*631.35*	
		For 1" Mesh Fabric, Add	*1,056.30*	
		For 1-1/4" Mesh Fabric, Add	*679.92*	
		For 1-3/4" Mesh Fabric, Add	*422.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.26*	
32 31 13 13-0318	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,072.29	111.98
		For Gate With Single Barb Wire Arm, Add	*300.96*	
		For Gate With Double Barb Wire Arm, Add	*437.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-513.00*	
		For Aluminized Steel Gate And Post, Add	*1,313.28*	
		For Powder Coated Gate And Post, Add	*711.36*	
		For 1" Mesh Fabric, Add	*1,190.16*	
		For 1-1/4" Mesh Fabric, Add	*766.08*	
		For 1-3/4" Mesh Fabric, Add	*476.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.03*	
32 31 13 13-0319	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,410.60	122.20
		For Gate With Single Barb Wire Arm, Add	*334.81*	
		For Gate With Double Barb Wire Arm, Add	*487.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-570.70*	
		For Aluminized Steel Gate And Post, Add	*1,461.00*	
		For Powder Coated Gate And Post, Add	*791.38*	
		For 1" Mesh Fabric, Add	*1,324.03*	
		For 1-1/4" Mesh Fabric, Add	*852.25*	
		For 1-3/4" Mesh Fabric, Add	*529.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-264.81*	
32 31 13 13-0320	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,749.42	134.43
		For Gate With Single Barb Wire Arm, Add	*368.05*	
		For Gate With Double Barb Wire Arm, Add	*535.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.35*	
		For Aluminized Steel Gate And Post, Add	*1,606.02*	
		For Powder Coated Gate And Post, Add	*869.93*	
		For 1" Mesh Fabric, Add	*1,455.46*	
		For 1-1/4" Mesh Fabric, Add	*936.85*	
		For 1-3/4" Mesh Fabric, Add	*582.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0321	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,099.20	149.31
		For Gate With Single Barb Wire Arm, Add	*401.59*	
		For Gate With Double Barb Wire Arm, Add	*584.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-684.53*	
		For Aluminized Steel Gate And Post, Add	*1,752.39*	
		For Powder Coated Gate And Post, Add	*949.21*	
		For 1" Mesh Fabric, Add	*1,588.11*	
		For 1-1/4" Mesh Fabric, Add	*1,022.23*	
		For 1-3/4" Mesh Fabric, Add	*635.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-317.62*	
32 31 13 13-0322	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,456.81	167.97
		For Gate With Single Barb Wire Arm, Add	*434.76*	
		For Gate With Double Barb Wire Arm, Add	*632.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-741.07*	
		For Aluminized Steel Gate And Post, Add	*1,897.15*	
		For Powder Coated Gate And Post, Add	*1,027.62*	
		For 1" Mesh Fabric, Add	*1,719.29*	
		For 1-1/4" Mesh Fabric, Add	*1,106.67*	
		For 1-3/4" Mesh Fabric, Add	*687.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-343.86*	
32 31 13 13-0323	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,834.38	191.93
		For Gate With Single Barb Wire Arm, Add	*468.37*	
		For Gate With Double Barb Wire Arm, Add	*681.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-798.35*	
		For Aluminized Steel Gate And Post, Add	*2,043.79*	
		For Powder Coated Gate And Post, Add	*1,107.05*	
		For 1" Mesh Fabric, Add	*1,852.18*	
		For 1-1/4" Mesh Fabric, Add	*1,192.21*	
		For 1-3/4" Mesh Fabric, Add	*740.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.44*	
32 31 13 13-0324	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,236.50	223.97
		For Gate With Single Barb Wire Arm, Add	*502.03*	
		For Gate With Double Barb Wire Arm, Add	*730.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-855.74*	
		For Aluminized Steel Gate And Post, Add	*2,190.69*	
		For Powder Coated Gate And Post, Add	*1,186.62*	
		For 1" Mesh Fabric, Add	*1,985.31*	
		For 1-1/4" Mesh Fabric, Add	*1,277.90*	
		For 1-3/4" Mesh Fabric, Add	*794.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.06*	
32 31 13 13-0325		7' Fence Height *(32 31 13 13-0264)*		
32 31 13 13-0326	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	496.32	33.26
		For Gate With Single Barb Wire Arm, Add	*43.60*	
		For Gate With Double Barb Wire Arm, Add	*63.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.31*	
		For Aluminized Steel Gate And Post, Add	*190.23*	
		For Powder Coated Gate And Post, Add	*103.04*	
		For 1" Mesh Fabric, Add	*172.40*	
		For 1-1/4" Mesh Fabric, Add	*110.97*	
		For 1-3/4" Mesh Fabric, Add	*68.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.48*	
32 31 13 13-0327	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	626.87	33.26
		For Gate With Single Barb Wire Arm, Add	*57.96*	
		For Gate With Double Barb Wire Arm, Add	*84.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.79*	
		For Aluminized Steel Gate And Post, Add	*252.90*	
		For Powder Coated Gate And Post, Add	*136.99*	
		For 1" Mesh Fabric, Add	*229.19*	
		For 1-1/4" Mesh Fabric, Add	*147.52*	
		For 1-3/4" Mesh Fabric, Add	*91.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.84*	
32 31 13 13-0328	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	737.71	34.99
		For Gate With Single Barb Wire Arm, Add	*69.59*	
		For Gate With Double Barb Wire Arm, Add	*101.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.62*	
		For Aluminized Steel Gate And Post, Add	*303.66*	
		For Powder Coated Gate And Post, Add	*164.48*	
		For 1" Mesh Fabric, Add	*275.19*	
		For 1-1/4" Mesh Fabric, Add	*177.13*	
		For 1-3/4" Mesh Fabric, Add	*110.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.04*	
32 31 13 13-0329	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	904.07	42.58
		For Gate With Single Barb Wire Arm, Add	*85.39*	
		For Gate With Double Barb Wire Arm, Add	*124.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.54*	
		For Aluminized Steel Gate And Post, Add	*372.59*	
		For Powder Coated Gate And Post, Add	*201.82*	
		For 1" Mesh Fabric, Add	*337.66*	
		For 1-1/4" Mesh Fabric, Add	*217.34*	
		For 1-3/4" Mesh Fabric, Add	*135.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0330	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,069.37	49.84
		For Gate With Single Barb Wire Arm, Add	*101.19*	
		For Gate With Double Barb Wire Arm, Add	*147.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.48*	
		For Aluminized Steel Gate And Post, Add	*441.54*	
		For Powder Coated Gate And Post, Add	*239.17*	
		For 1" Mesh Fabric, Add	*400.15*	
		For 1-1/4" Mesh Fabric, Add	*257.57*	
		For 1-3/4" Mesh Fabric, Add	*160.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.03*	
32 31 13 13-0331	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,235.74	57.31
		For Gate With Single Barb Wire Arm, Add	*116.98*	
		For Gate With Double Barb Wire Arm, Add	*170.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.40*	
		For Aluminized Steel Gate And Post, Add	*510.48*	
		For Powder Coated Gate And Post, Add	*276.51*	
		For 1" Mesh Fabric, Add	*462.62*	
		For 1-1/4" Mesh Fabric, Add	*297.78*	
		For 1-3/4" Mesh Fabric, Add	*185.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.52*	
32 31 13 13-0332	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,401.07	64.57
		For Gate With Single Barb Wire Arm, Add	*132.79*	
		For Gate With Double Barb Wire Arm, Add	*193.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.34*	
		For Aluminized Steel Gate And Post, Add	*579.43*	
		For Powder Coated Gate And Post, Add	*313.86*	
		For 1" Mesh Fabric, Add	*525.11*	
		For 1-1/4" Mesh Fabric, Add	*338.00*	
		For 1-3/4" Mesh Fabric, Add	*210.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.02*	
32 31 13 13-0333	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,541.55	72.15
		For Gate With Single Barb Wire Arm, Add	*145.74*	
		For Gate With Double Barb Wire Arm, Add	*211.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.42*	
		For Aluminized Steel Gate And Post, Add	*635.94*	
		For Powder Coated Gate And Post, Add	*344.47*	
		For 1" Mesh Fabric, Add	*576.32*	
		For 1-1/4" Mesh Fabric, Add	*370.97*	
		For 1-3/4" Mesh Fabric, Add	*230.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.26*	
32 31 13 13-0334	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,955.74	72.15
		For Gate With Single Barb Wire Arm, Add	*191.30*	
		For Gate With Double Barb Wire Arm, Add	*278.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-326.08*	
		For Aluminized Steel Gate And Post, Add	*834.75*	
		For Powder Coated Gate And Post, Add	*452.16*	
		For 1" Mesh Fabric, Add	*756.50*	
		For 1-1/4" Mesh Fabric, Add	*486.94*	
		For 1-3/4" Mesh Fabric, Add	*302.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-151.30*	
32 31 13 13-0335	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,221.95	95.97
		For Gate With Single Barb Wire Arm, Add	*212.71*	
		For Gate With Double Barb Wire Arm, Add	*309.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.57*	
		For Aluminized Steel Gate And Post, Add	*928.18*	
		For Powder Coated Gate And Post, Add	*502.76*	
		For 1" Mesh Fabric, Add	*841.16*	
		For 1-1/4" Mesh Fabric, Add	*541.44*	
		For 1-3/4" Mesh Fabric, Add	*336.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.23*	
32 31 13 13-0336	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,566.40	103.41
		For Gate With Single Barb Wire Arm, Add	*248.16*	
		For Gate With Double Barb Wire Arm, Add	*360.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-423.00*	
		For Aluminized Steel Gate And Post, Add	*1,082.88*	
		For Powder Coated Gate And Post, Add	*586.56*	
		For 1" Mesh Fabric, Add	*981.36*	
		For 1-1/4" Mesh Fabric, Add	*631.68*	
		For 1-3/4" Mesh Fabric, Add	*392.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.27*	
32 31 13 13-0337	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,887.65	111.98
		For Gate With Single Barb Wire Arm, Add	*280.65*	
		For Gate With Double Barb Wire Arm, Add	*408.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-478.38*	
		For Aluminized Steel Gate And Post, Add	*1,224.66*	
		For Powder Coated Gate And Post, Add	*663.36*	
		For 1" Mesh Fabric, Add	*1,109.85*	
		For 1-1/4" Mesh Fabric, Add	*714.38*	
		For 1-3/4" Mesh Fabric, Add	*443.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-221.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0338	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,242.74	122.20
		For Gate With Single Barb Wire Arm, Add	*316.35*	
		For Gate With Double Barb Wire Arm, Add	*460.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-539.23*	
		For Aluminized Steel Gate And Post, Add	*1,380.43*	
		For Powder Coated Gate And Post, Add	*747.73*	
		For 1" Mesh Fabric, Add	*1,251.01*	
		For 1-1/4" Mesh Fabric, Add	*805.25*	
		For 1-3/4" Mesh Fabric, Add	*500.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-250.20*	
32 31 13 13-0339	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,598.35	134.43
		For Gate With Single Barb Wire Arm, Add	*351.43*	
		For Gate With Double Barb Wire Arm, Add	*511.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-599.03*	
		For Aluminized Steel Gate And Post, Add	*1,533.51*	
		For Powder Coated Gate And Post, Add	*830.65*	
		For 1" Mesh Fabric, Add	*1,389.74*	
		For 1-1/4" Mesh Fabric, Add	*894.55*	
		For 1-3/4" Mesh Fabric, Add	*555.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-277.95*	
32 31 13 13-0340	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,962.12	149.31
		For Gate With Single Barb Wire Arm, Add	*386.51*	
		For Gate With Double Barb Wire Arm, Add	*562.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-658.83*	
		For Aluminized Steel Gate And Post, Add	*1,686.60*	
		For Powder Coated Gate And Post, Add	*913.57*	
		For 1" Mesh Fabric, Add	*1,528.48*	
		For 1-1/4" Mesh Fabric, Add	*983.85*	
		For 1-3/4" Mesh Fabric, Add	*611.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-305.70*	
32 31 13 13-0341	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,337.08	167.97
		For Gate With Single Barb Wire Arm, Add	*421.59*	
		For Gate With Double Barb Wire Arm, Add	*613.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-718.62*	
		For Aluminized Steel Gate And Post, Add	*1,839.68*	
		For Powder Coated Gate And Post, Add	*996.49*	
		For 1" Mesh Fabric, Add	*1,667.21*	
		For 1-1/4" Mesh Fabric, Add	*1,073.14*	
		For 1-3/4" Mesh Fabric, Add	*666.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-333.44*	
32 31 13 13-0342	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,728.07	191.93
		For Gate With Single Barb Wire Arm, Add	*456.67*	
		For Gate With Double Barb Wire Arm, Add	*664.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-778.42*	
		For Aluminized Steel Gate And Post, Add	*1,992.76*	
		For Powder Coated Gate And Post, Add	*1,079.41*	
		For 1" Mesh Fabric, Add	*1,805.94*	
		For 1-1/4" Mesh Fabric, Add	*1,162.44*	
		For 1-3/4" Mesh Fabric, Add	*722.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-361.19*	
32 31 13 13-0343	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,143.06	223.97
		For Gate With Single Barb Wire Arm, Add	*491.76*	
		For Gate With Double Barb Wire Arm, Add	*715.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-838.22*	
		For Aluminized Steel Gate And Post, Add	*2,145.84*	
		For Powder Coated Gate And Post, Add	*1,162.33*	
		For 1" Mesh Fabric, Add	*1,944.67*	
		For 1-1/4" Mesh Fabric, Add	*1,251.74*	
		For 1-3/4" Mesh Fabric, Add	*777.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-388.93*	
32 31 13 13-0344	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,596.51	268.73
		For Gate With Single Barb Wire Arm, Add	*526.84*	
		For Gate With Double Barb Wire Arm, Add	*766.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-898.02*	
		For Aluminized Steel Gate And Post, Add	*2,298.92*	
		For Powder Coated Gate And Post, Add	*1,245.25*	
		For 1" Mesh Fabric, Add	*2,083.40*	
		For 1-1/4" Mesh Fabric, Add	*1,341.04*	
		For 1-3/4" Mesh Fabric, Add	*833.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-416.68*	
32 31 13 13-0345		8' Fence Height *(32 31 13 13-0264)*		
32 31 13 13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	581.65	36.07
		For Gate With Single Barb Wire Arm, Add	*52.07*	
		For Gate With Double Barb Wire Arm, Add	*75.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.75*	
		For Aluminized Steel Gate And Post, Add	*227.19*	
		For Powder Coated Gate And Post, Add	*123.06*	
		For 1" Mesh Fabric, Add	*205.89*	
		For 1-1/4" Mesh Fabric, Add	*132.53*	
		For 1-3/4" Mesh Fabric, Add	*82.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	739.43	36.07
		For Gate With Single Barb Wire Arm, Add	*69.42*	
		For Gate With Double Barb Wire Arm, Add	*100.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.33*	
		For Aluminized Steel Gate And Post, Add	*302.93*	
		For Powder Coated Gate And Post, Add	*164.09*	
		For 1" Mesh Fabric, Add	*274.53*	
		For 1-1/4" Mesh Fabric, Add	*176.71*	
		For 1-3/4" Mesh Fabric, Add	*109.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.91*	
32 31 13 13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	863.04	40.19
		For Gate With Single Barb Wire Arm, Add	*81.65*	
		For Gate With Double Barb Wire Arm, Add	*118.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.17*	
		For Aluminized Steel Gate And Post, Add	*356.28*	
		For Powder Coated Gate And Post, Add	*192.98*	
		For 1" Mesh Fabric, Add	*322.87*	
		For 1-1/4" Mesh Fabric, Add	*207.83*	
		For 1-3/4" Mesh Fabric, Add	*129.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.57*	
32 31 13 13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	989.90	45.50
		For Gate With Single Barb Wire Arm, Add	*93.87*	
		For Gate With Double Barb Wire Arm, Add	*136.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.01*	
		For Aluminized Steel Gate And Post, Add	*409.63*	
		For Powder Coated Gate And Post, Add	*221.88*	
		For 1" Mesh Fabric, Add	*371.23*	
		For 1-1/4" Mesh Fabric, Add	*238.95*	
		For 1-3/4" Mesh Fabric, Add	*148.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.25*	
32 31 13 13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,129.22	54.81
		For Gate With Single Barb Wire Arm, Add	*106.10*	
		For Gate With Double Barb Wire Arm, Add	*154.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-180.85*	
		For Aluminized Steel Gate And Post, Add	*462.98*	
		For Powder Coated Gate And Post, Add	*250.78*	
		For 1" Mesh Fabric, Add	*419.58*	
		For 1-1/4" Mesh Fabric, Add	*270.07*	
		For 1-3/4" Mesh Fabric, Add	*167.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.92*	
32 31 13 13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,267.47	63.81
		For Gate With Single Barb Wire Arm, Add	*118.33*	
		For Gate With Double Barb Wire Arm, Add	*172.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.70*	
		For Aluminized Steel Gate And Post, Add	*516.34*	
		For Powder Coated Gate And Post, Add	*279.68*	
		For 1" Mesh Fabric, Add	*467.93*	
		For 1-1/4" Mesh Fabric, Add	*301.20*	
		For 1-3/4" Mesh Fabric, Add	*187.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.59*	
32 31 13 13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,406.79	73.23
		For Gate With Single Barb Wire Arm, Add	*130.55*	
		For Gate With Double Barb Wire Arm, Add	*189.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.54*	
		For Aluminized Steel Gate And Post, Add	*569.69*	
		For Powder Coated Gate And Post, Add	*308.58*	
		For 1" Mesh Fabric, Add	*516.28*	
		For 1-1/4" Mesh Fabric, Add	*332.32*	
		For 1-3/4" Mesh Fabric, Add	*206.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.26*	
32 31 13 13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,546.10	82.66
		For Gate With Single Barb Wire Arm, Add	*142.78*	
		For Gate With Double Barb Wire Arm, Add	*207.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-243.38*	
		For Aluminized Steel Gate And Post, Add	*623.05*	
		For Powder Coated Gate And Post, Add	*337.49*	
		For 1" Mesh Fabric, Add	*564.64*	
		For 1-1/4" Mesh Fabric, Add	*363.45*	
		For 1-3/4" Mesh Fabric, Add	*225.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.93*	
32 31 13 13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,235.30	95.97
		For Gate With Single Barb Wire Arm, Add	*214.18*	
		For Gate With Double Barb Wire Arm, Add	*311.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-365.07*	
		For Aluminized Steel Gate And Post, Add	*934.59*	
		For Powder Coated Gate And Post, Add	*506.24*	
		For 1" Mesh Fabric, Add	*846.97*	
		For 1-1/4" Mesh Fabric, Add	*545.18*	
		For 1-3/4" Mesh Fabric, Add	*338.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-169.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,632.38	103.41
		For Gate With Single Barb Wire Arm, Add	*255.42*	
		For Gate With Double Barb Wire Arm, Add	*371.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-435.37*	
		For Aluminized Steel Gate And Post, Add	*1,114.55*	
		For Powder Coated Gate And Post, Add	*603.71*	
		For 1" Mesh Fabric, Add	*1,010.06*	
		For 1-1/4" Mesh Fabric, Add	*650.15*	
		For 1-3/4" Mesh Fabric, Add	*404.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-202.01*	
32 31 13 13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,038.72	111.98
		For Gate With Single Barb Wire Arm, Add	*297.27*	
		For Gate With Double Barb Wire Arm, Add	*432.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-506.71*	
		For Aluminized Steel Gate And Post, Add	*1,297.17*	
		For Powder Coated Gate And Post, Add	*702.63*	
		For 1" Mesh Fabric, Add	*1,175.56*	
		For 1-1/4" Mesh Fabric, Add	*756.68*	
		For 1-3/4" Mesh Fabric, Add	*470.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-235.11*	
32 31 13 13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,460.95	122.20
		For Gate With Single Barb Wire Arm, Add	*340.35*	
		For Gate With Double Barb Wire Arm, Add	*495.06*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-580.14*	
		For Aluminized Steel Gate And Post, Add	*1,485.17*	
		For Powder Coated Gate And Post, Add	*804.47*	
		For 1" Mesh Fabric, Add	*1,345.93*	
		For 1-1/4" Mesh Fabric, Add	*866.35*	
		For 1-3/4" Mesh Fabric, Add	*538.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-269.19*	
32 31 13 13-0358	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,889.30	134.43
		For Gate With Single Barb Wire Arm, Add	*383.43*	
		For Gate With Double Barb Wire Arm, Add	*557.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-653.58*	
		For Aluminized Steel Gate And Post, Add	*1,673.16*	
		For Powder Coated Gate And Post, Add	*906.30*	
		For 1" Mesh Fabric, Add	*1,516.31*	
		For 1-1/4" Mesh Fabric, Add	*976.01*	
		For 1-3/4" Mesh Fabric, Add	*606.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-303.26*	
32 31 13 13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,320.20	149.31
		For Gate With Single Barb Wire Arm, Add	*425.90*	
		For Gate With Double Barb Wire Arm, Add	*619.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-725.97*	
		For Aluminized Steel Gate And Post, Add	*1,858.47*	
		For Powder Coated Gate And Post, Add	*1,006.67*	
		For 1" Mesh Fabric, Add	*1,684.24*	
		For 1-1/4" Mesh Fabric, Add	*1,084.11*	
		For 1-3/4" Mesh Fabric, Add	*673.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.85*	
32 31 13 13-0360	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,756.71	167.97
		For Gate With Single Barb Wire Arm, Add	*467.75*	
		For Gate With Double Barb Wire Arm, Add	*680.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-797.30*	
		For Aluminized Steel Gate And Post, Add	*2,041.10*	
		For Powder Coated Gate And Post, Add	*1,105.60*	
		For 1" Mesh Fabric, Add	*1,849.75*	
		For 1-1/4" Mesh Fabric, Add	*1,190.64*	
		For 1-3/4" Mesh Fabric, Add	*739.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-369.95*	
32 31 13 13-0361	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,220.44	191.93
		For Gate With Single Barb Wire Arm, Add	*510.83*	
		For Gate With Double Barb Wire Arm, Add	*743.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-870.74*	
		For Aluminized Steel Gate And Post, Add	*2,229.10*	
		For Powder Coated Gate And Post, Add	*1,207.43*	
		For 1" Mesh Fabric, Add	*2,020.12*	
		For 1-1/4" Mesh Fabric, Add	*1,300.31*	
		For 1-3/4" Mesh Fabric, Add	*808.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-404.02*	
32 31 13 13-0362	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,708.17	223.97
		For Gate With Single Barb Wire Arm, Add	*553.92*	
		For Gate With Double Barb Wire Arm, Add	*805.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-944.18*	
		For Aluminized Steel Gate And Post, Add	*2,417.09*	
		For Powder Coated Gate And Post, Add	*1,309.26*	
		For 1" Mesh Fabric, Add	*2,190.49*	
		For 1-1/4" Mesh Fabric, Add	*1,409.97*	
		For 1-3/4" Mesh Fabric, Add	*876.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-438.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0363	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,228.76	268.73
		For Gate With Single Barb Wire Arm, Add	*596.38*	
		For Gate With Double Barb Wire Arm, Add	*867.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,016.56*	
		For Aluminized Steel Gate And Post, Add	*2,602.40*	
		For Powder Coated Gate And Post, Add	*1,409.63*	
		For 1" Mesh Fabric, Add	*2,358.43*	
		For 1-1/4" Mesh Fabric, Add	*1,518.07*	
		For 1-3/4" Mesh Fabric, Add	*943.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-471.69*	
32 31 13 13-0364	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,816.59	335.95
		For Gate With Single Barb Wire Arm, Add	*638.85*	
		For Gate With Double Barb Wire Arm, Add	*929.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,088.95*	
		For Aluminized Steel Gate And Post, Add	*2,787.71*	
		For Powder Coated Gate And Post, Add	*1,510.01*	
		For 1" Mesh Fabric, Add	*2,526.36*	
		For 1-1/4" Mesh Fabric, Add	*1,626.16*	
		For 1-3/4" Mesh Fabric, Add	*1,010.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-505.27*	
32 31 13 13-0365		**10' Fence Height** *(32 31 13 13-0264)*		
32 31 13 13-0366	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	732.44	40.09
		For Gate With Single Barb Wire Arm, Add	*67.33*	
		For Gate With Double Barb Wire Arm, Add	*97.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.76*	
		For Aluminized Steel Gate And Post, Add	*293.79*	
		For Powder Coated Gate And Post, Add	*159.14*	
		For 1" Mesh Fabric, Add	*266.25*	
		For 1-1/4" Mesh Fabric, Add	*171.38*	
		For 1-3/4" Mesh Fabric, Add	*106.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.25*	
32 31 13 13-0367	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	936.46	40.09
		For Gate With Single Barb Wire Arm, Add	*89.77*	
		For Gate With Double Barb Wire Arm, Add	*130.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.02*	
		For Aluminized Steel Gate And Post, Add	*391.72*	
		For Powder Coated Gate And Post, Add	*212.18*	
		For 1" Mesh Fabric, Add	*355.00*	
		For 1-1/4" Mesh Fabric, Add	*228.51*	
		For 1-3/4" Mesh Fabric, Add	*142.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.00*	
32 31 13 13-0368	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,085.50	41.82
		For Gate With Single Barb Wire Arm, Add	*105.58*	
		For Gate With Double Barb Wire Arm, Add	*153.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.97*	
		For Aluminized Steel Gate And Post, Add	*460.72*	
		For Powder Coated Gate And Post, Add	*249.56*	
		For 1" Mesh Fabric, Add	*417.53*	
		For 1-1/4" Mesh Fabric, Add	*268.76*	
		For 1-3/4" Mesh Fabric, Add	*167.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.51*	
32 31 13 13-0369	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,259.59	52.00
		For Gate With Single Barb Wire Arm, Add	*121.39*	
		For Gate With Double Barb Wire Arm, Add	*176.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.92*	
		For Aluminized Steel Gate And Post, Add	*529.72*	
		For Powder Coated Gate And Post, Add	*286.93*	
		For 1" Mesh Fabric, Add	*480.06*	
		For 1-1/4" Mesh Fabric, Add	*309.01*	
		For 1-3/4" Mesh Fabric, Add	*192.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.01*	
32 31 13 13-0370	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,433.01	61.64
		For Gate With Single Barb Wire Arm, Add	*137.20*	
		For Gate With Double Barb Wire Arm, Add	*199.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-233.87*	
		For Aluminized Steel Gate And Post, Add	*598.70*	
		For Powder Coated Gate And Post, Add	*324.30*	
		For 1" Mesh Fabric, Add	*542.57*	
		For 1-1/4" Mesh Fabric, Add	*349.24*	
		For 1-3/4" Mesh Fabric, Add	*217.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.51*	
32 31 13 13-0371	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,606.62	71.83
		For Gate With Single Barb Wire Arm, Add	*153.01*	
		For Gate With Double Barb Wire Arm, Add	*222.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-260.82*	
		For Aluminized Steel Gate And Post, Add	*667.70*	
		For Powder Coated Gate And Post, Add	*361.67*	
		For 1" Mesh Fabric, Add	*605.10*	
		For 1-1/4" Mesh Fabric, Add	*389.49*	
		For 1-3/4" Mesh Fabric, Add	*242.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0372	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,779.62	81.58
		For Gate With Single Barb Wire Arm, Add	*168.83*	
		For Gate With Double Barb Wire Arm, Add	*245.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-287.77*	
		For Aluminized Steel Gate And Post, Add	*736.70*	
		For Powder Coated Gate And Post, Add	*399.05*	
		For 1" Mesh Fabric, Add	*667.63*	
		For 1-1/4" Mesh Fabric, Add	*429.74*	
		For 1-3/4" Mesh Fabric, Add	*267.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.53*	
32 31 13 13-0373	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,953.72	91.65
		For Gate With Single Barb Wire Arm, Add	*184.64*	
		For Gate With Double Barb Wire Arm, Add	*268.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-314.73*	
		For Aluminized Steel Gate And Post, Add	*805.70*	
		For Powder Coated Gate And Post, Add	*436.42*	
		For 1" Mesh Fabric, Add	*730.16*	
		For 1-1/4" Mesh Fabric, Add	*469.99*	
		For 1-3/4" Mesh Fabric, Add	*292.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.03*	
32 31 13 13-0374	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,838.05	106.69
		For Gate With Single Barb Wire Arm, Add	*276.96*	
		For Gate With Double Barb Wire Arm, Add	*402.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-472.08*	
		For Aluminized Steel Gate And Post, Add	*1,208.53*	
		For Powder Coated Gate And Post, Add	*654.62*	
		For 1" Mesh Fabric, Add	*1,095.23*	
		For 1-1/4" Mesh Fabric, Add	*704.98*	
		For 1-3/4" Mesh Fabric, Add	*438.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.05*	
32 31 13 13-0375	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,086.44	114.76
		For Gate With Single Barb Wire Arm, Add	*301.58*	
		For Gate With Double Barb Wire Arm, Add	*438.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-514.06*	
		For Aluminized Steel Gate And Post, Add	*1,315.99*	
		For Powder Coated Gate And Post, Add	*712.83*	
		For 1" Mesh Fabric, Add	*1,192.62*	
		For 1-1/4" Mesh Fabric, Add	*767.66*	
		For 1-3/4" Mesh Fabric, Add	*477.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.52*	
32 31 13 13-0376	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,518.11	124.47
		For Gate With Single Barb Wire Arm, Add	*345.89*	
		For Gate With Double Barb Wire Arm, Add	*503.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-589.59*	
		For Aluminized Steel Gate And Post, Add	*1,509.34*	
		For Powder Coated Gate And Post, Add	*817.56*	
		For 1" Mesh Fabric, Add	*1,367.84*	
		For 1-1/4" Mesh Fabric, Add	*880.45*	
		For 1-3/4" Mesh Fabric, Add	*547.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-273.57*	
32 31 13 13-0377	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,999.52	135.69
		For Gate With Single Barb Wire Arm, Add	*395.13*	
		For Gate With Double Barb Wire Arm, Add	*574.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-673.51*	
		For Aluminized Steel Gate And Post, Add	*1,724.19*	
		For Powder Coated Gate And Post, Add	*933.94*	
		For 1" Mesh Fabric, Add	*1,562.55*	
		For 1-1/4" Mesh Fabric, Add	*1,005.78*	
		For 1-3/4" Mesh Fabric, Add	*625.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.51*	
32 31 13 13-0378	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,488.06	149.31
		For Gate With Single Barb Wire Arm, Add	*444.36*	
		For Gate With Double Barb Wire Arm, Add	*646.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-757.44*	
		For Aluminized Steel Gate And Post, Add	*1,939.05*	
		For Powder Coated Gate And Post, Add	*1,050.32*	
		For 1" Mesh Fabric, Add	*1,757.26*	
		For 1-1/4" Mesh Fabric, Add	*1,131.11*	
		For 1-3/4" Mesh Fabric, Add	*702.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.45*	
32 31 13 13-0379	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,988.03	165.83
		For Gate With Single Barb Wire Arm, Add	*493.91*	
		For Gate With Double Barb Wire Arm, Add	*718.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-841.89*	
		For Aluminized Steel Gate And Post, Add	*2,155.24*	
		For Powder Coated Gate And Post, Add	*1,167.42*	
		For 1" Mesh Fabric, Add	*1,953.18*	
		For 1-1/4" Mesh Fabric, Add	*1,257.22*	
		For 1-3/4" Mesh Fabric, Add	*781.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0380	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,500.96	186.64
		For Gate With Single Barb Wire Arm, Add	*543.45*	
		For Gate With Double Barb Wire Arm, Add	*790.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-926.34*	
		For Aluminized Steel Gate And Post, Add	*2,371.44*	
		For Powder Coated Gate And Post, Add	*1,284.53*	
		For 1" Mesh Fabric, Add	*2,149.11*	
		For 1-1/4" Mesh Fabric, Add	*1,383.34*	
		For 1-3/4" Mesh Fabric, Add	*859.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-429.82*	
32 31 13 13-0381	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,028.23	213.12
		For Gate With Single Barb Wire Arm, Add	*592.69*	
		For Gate With Double Barb Wire Arm, Add	*862.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,010.27*	
		For Aluminized Steel Gate And Post, Add	*2,586.29*	
		For Powder Coated Gate And Post, Add	*1,400.91*	
		For 1" Mesh Fabric, Add	*2,343.82*	
		For 1-1/4" Mesh Fabric, Add	*1,508.67*	
		For 1-3/4" Mesh Fabric, Add	*937.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-468.76*	
32 31 13 13-0382	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,583.01	248.81
		For Gate With Single Barb Wire Arm, Add	*641.93*	
		For Gate With Double Barb Wire Arm, Add	*933.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,094.20*	
		For Aluminized Steel Gate And Post, Add	*2,801.14*	
		For Powder Coated Gate And Post, Add	*1,517.28*	
		For 1" Mesh Fabric, Add	*2,538.53*	
		For 1-1/4" Mesh Fabric, Add	*1,634.00*	
		For 1-3/4" Mesh Fabric, Add	*1,015.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-507.71*	
32 31 13 13-0383	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,179.29	298.37
		For Gate With Single Barb Wire Arm, Add	*691.17*	
		For Gate With Double Barb Wire Arm, Add	*1,005.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,178.12*	
		For Aluminized Steel Gate And Post, Add	*3,015.99*	
		For Powder Coated Gate And Post, Add	*1,633.66*	
		For 1" Mesh Fabric, Add	*2,733.24*	
		For 1-1/4" Mesh Fabric, Add	*1,759.33*	
		For 1-3/4" Mesh Fabric, Add	*1,093.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-546.65*	
32 31 13 13-0384	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,857.47	373.27
		For Gate With Single Barb Wire Arm, Add	*741.02*	
		For Gate With Double Barb Wire Arm, Add	*1,077.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,263.10*	
		For Aluminized Steel Gate And Post, Add	*3,233.53*	
		For Powder Coated Gate And Post, Add	*1,751.50*	
		For 1" Mesh Fabric, Add	*2,930.39*	
		For 1-1/4" Mesh Fabric, Add	*1,886.23*	
		For 1-3/4" Mesh Fabric, Add	*1,172.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-586.08*	
32 31 13 13-0385		**12' Fence Height** *(32 31 13 13-0264)*		
32 31 13 13-0386	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	917.20	44.53
		For Gate With Single Barb Wire Arm, Add	*86.18*	
		For Gate With Double Barb Wire Arm, Add	*125.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.90*	
		For Aluminized Steel Gate And Post, Add	*376.06*	
		For Powder Coated Gate And Post, Add	*203.70*	
		For 1" Mesh Fabric, Add	*340.80*	
		For 1-1/4" Mesh Fabric, Add	*219.37*	
		For 1-3/4" Mesh Fabric, Add	*136.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-68.16*	
32 31 13 13-0387	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,178.34	44.53
		For Gate With Single Barb Wire Arm, Add	*114.90*	
		For Gate With Double Barb Wire Arm, Add	*167.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-195.86*	
		For Aluminized Steel Gate And Post, Add	*501.40*	
		For Powder Coated Gate And Post, Add	*271.59*	
		For 1" Mesh Fabric, Add	*454.40*	
		For 1-1/4" Mesh Fabric, Add	*292.49*	
		For 1-3/4" Mesh Fabric, Add	*181.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.88*	
32 31 13 13-0388	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,367.27	46.15
		For Gate With Single Barb Wire Arm, Add	*135.15*	
		For Gate With Double Barb Wire Arm, Add	*196.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-230.36*	
		For Aluminized Steel Gate And Post, Add	*589.73*	
		For Powder Coated Gate And Post, Add	*319.44*	
		For 1" Mesh Fabric, Add	*534.44*	
		For 1-1/4" Mesh Fabric, Add	*344.01*	
		For 1-3/4" Mesh Fabric, Add	*213.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0389	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,584.83	57.31
		For Gate With Single Barb Wire Arm, Add	*155.38*	
		For Gate With Double Barb Wire Arm, Add	*226.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-264.86*	
		For Aluminized Steel Gate And Post, Add	*678.04*	
		For Powder Coated Gate And Post, Add	*367.27*	
		For 1" Mesh Fabric, Add	*614.47*	
		For 1-1/4" Mesh Fabric, Add	*395.52*	
		For 1-3/4" Mesh Fabric, Add	*245.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-122.89*	
32 31 13 13-0390	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	677.21	68.57
		For Gate With Single Barb Wire Arm, Add	*51.85*	
		For Gate With Double Barb Wire Arm, Add	*75.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.38*	
		For Aluminized Steel Gate And Post, Add	*226.25*	
		For Powder Coated Gate And Post, Add	*122.55*	
		For 1" Mesh Fabric, Add	*205.04*	
		For 1-1/4" Mesh Fabric, Add	*131.98*	
		For 1-3/4" Mesh Fabric, Add	*82.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.01*	
32 31 13 13-0391	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	764.03	79.41
		For Gate With Single Barb Wire Arm, Add	*57.82*	
		For Gate With Double Barb Wire Arm, Add	*84.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.57*	
		For Aluminized Steel Gate And Post, Add	*252.33*	
		For Powder Coated Gate And Post, Add	*136.68*	
		For 1" Mesh Fabric, Add	*228.67*	
		For 1-1/4" Mesh Fabric, Add	*147.19*	
		For 1-3/4" Mesh Fabric, Add	*91.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.73*	
32 31 13 13-0392	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	851.93	90.57
		For Gate With Single Barb Wire Arm, Add	*63.80*	
		For Gate With Double Barb Wire Arm, Add	*92.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.75*	
		For Aluminized Steel Gate And Post, Add	*278.40*	
		For Powder Coated Gate And Post, Add	*150.80*	
		For 1" Mesh Fabric, Add	*252.30*	
		For 1-1/4" Mesh Fabric, Add	*162.40*	
		For 1-3/4" Mesh Fabric, Add	*100.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.46*	
32 31 13 13-0393	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	939.83	101.73
		For Gate With Single Barb Wire Arm, Add	*69.78*	
		For Gate With Double Barb Wire Arm, Add	*101.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.94*	
		For Aluminized Steel Gate And Post, Add	*304.47*	
		For Powder Coated Gate And Post, Add	*164.92*	
		For 1" Mesh Fabric, Add	*275.93*	
		For 1-1/4" Mesh Fabric, Add	*177.61*	
		For 1-3/4" Mesh Fabric, Add	*110.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.19*	
32 31 13 13-0394	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,239.64	118.54
		For Gate With Single Barb Wire Arm, Add	*97.22*	
		For Gate With Double Barb Wire Arm, Add	*141.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.71*	
		For Aluminized Steel Gate And Post, Add	*424.21*	
		For Powder Coated Gate And Post, Add	*229.78*	
		For 1" Mesh Fabric, Add	*384.44*	
		For 1-1/4" Mesh Fabric, Add	*247.46*	
		For 1-3/4" Mesh Fabric, Add	*153.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.89*	
32 31 13 13-0395	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,354.35	127.62
		For Gate With Single Barb Wire Arm, Add	*106.85*	
		For Gate With Double Barb Wire Arm, Add	*155.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.12*	
		For Aluminized Steel Gate And Post, Add	*466.24*	
		For Powder Coated Gate And Post, Add	*252.55*	
		For 1" Mesh Fabric, Add	*422.53*	
		For 1-1/4" Mesh Fabric, Add	*271.97*	
		For 1-3/4" Mesh Fabric, Add	*169.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.51*	
32 31 13 13-0396	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,528.55	138.21
		For Gate With Single Barb Wire Arm, Add	*122.47*	
		For Gate With Double Barb Wire Arm, Add	*178.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.76*	
		For Aluminized Steel Gate And Post, Add	*534.43*	
		For Powder Coated Gate And Post, Add	*289.48*	
		For 1" Mesh Fabric, Add	*484.32*	
		For 1-1/4" Mesh Fabric, Add	*311.75*	
		For 1-3/4" Mesh Fabric, Add	*193.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0397	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,724.79	150.70
		For Gate With Single Barb Wire Arm, Add	*139.92*	
		For Gate With Double Barb Wire Arm, Add	*203.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-238.50*	
		For Aluminized Steel Gate And Post, Add	*610.55*	
		For Powder Coated Gate And Post, Add	*330.71*	
		For 1" Mesh Fabric, Add	*553.31*	
		For 1-1/4" Mesh Fabric, Add	*356.15*	
		For 1-3/4" Mesh Fabric, Add	*221.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.66*	
32 31 13 13-0398	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,343.32	165.96
		For Gate With Single Barb Wire Arm, Add	*532.99*	
		For Gate With Double Barb Wire Arm, Add	*775.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-908.51*	
		For Aluminized Steel Gate And Post, Add	*2,325.78*	
		For Powder Coated Gate And Post, Add	*1,259.80*	
		For 1" Mesh Fabric, Add	*2,107.74*	
		For 1-1/4" Mesh Fabric, Add	*1,356.70*	
		For 1-3/4" Mesh Fabric, Add	*843.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-421.55*	
32 31 13 13-0399	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,941.20	184.24
		For Gate With Single Barb Wire Arm, Add	*592.69*	
		For Gate With Double Barb Wire Arm, Add	*862.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,010.27*	
		For Aluminized Steel Gate And Post, Add	*2,586.29*	
		For Powder Coated Gate And Post, Add	*1,400.91*	
		For 1" Mesh Fabric, Add	*2,343.82*	
		For 1-1/4" Mesh Fabric, Add	*1,508.67*	
		For 1-3/4" Mesh Fabric, Add	*937.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-468.76*	
32 31 13 13-0400	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,547.98	207.32
		For Gate With Single Barb Wire Arm, Add	*651.78*	
		For Gate With Double Barb Wire Arm, Add	*948.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,110.98*	
		For Aluminized Steel Gate And Post, Add	*2,844.11*	
		For Powder Coated Gate And Post, Add	*1,540.56*	
		For 1" Mesh Fabric, Add	*2,577.48*	
		For 1-1/4" Mesh Fabric, Add	*1,659.06*	
		For 1-3/4" Mesh Fabric, Add	*1,030.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.50*	
32 31 13 13-0401	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,179.22	236.83
		For Gate With Single Barb Wire Arm, Add	*711.48*	
		For Gate With Double Barb Wire Arm, Add	*1,034.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,212.74*	
		For Aluminized Steel Gate And Post, Add	*3,104.62*	
		For Powder Coated Gate And Post, Add	*1,681.67*	
		For 1" Mesh Fabric, Add	*2,813.56*	
		For 1-1/4" Mesh Fabric, Add	*1,811.03*	
		For 1-3/4" Mesh Fabric, Add	*1,125.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-562.71*	
32 31 13 13-0402	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,829.83	276.55
		For Gate With Single Barb Wire Arm, Add	*769.95*	
		For Gate With Double Barb Wire Arm, Add	*1,119.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,312.41*	
		For Aluminized Steel Gate And Post, Add	*3,359.76*	
		For Powder Coated Gate And Post, Add	*1,819.87*	
		For 1" Mesh Fabric, Add	*3,044.78*	
		For 1-1/4" Mesh Fabric, Add	*1,959.86*	
		For 1-3/4" Mesh Fabric, Add	*1,217.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-608.96*	
32 31 13 13-0403	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,532.15	331.53
		For Gate With Single Barb Wire Arm, Add	*829.03*	
		For Gate With Double Barb Wire Arm, Add	*1,205.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,413.12*	
		For Aluminized Steel Gate And Post, Add	*3,617.58*	
		For Powder Coated Gate And Post, Add	*1,959.52*	
		For 1" Mesh Fabric, Add	*3,278.43*	
		For 1-1/4" Mesh Fabric, Add	*2,110.26*	
		For 1-3/4" Mesh Fabric, Add	*1,311.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-655.69*	
32 31 13 13-0404	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,324.85	414.76
		For Gate With Single Barb Wire Arm, Add	*888.73*	
		For Gate With Double Barb Wire Arm, Add	*1,292.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,514.88*	
		For Aluminized Steel Gate And Post, Add	*3,878.09*	
		For Powder Coated Gate And Post, Add	*2,100.63*	
		For 1" Mesh Fabric, Add	*3,514.52*	
		For 1-1/4" Mesh Fabric, Add	*2,262.22*	
		For 1-3/4" Mesh Fabric, Add	*1,405.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-702.90*	

32 31 13 13-0405 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0263)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0406		4' Fence Height *(32 31 13 13-0405)*		
32 31 13 13-0407	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	191.49	27.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-20.67*	
		For 1" Mesh Fabric, Add	*47.95*	
		For 1-1/4" Mesh Fabric, Add	*30.86*	
		For 1-3/4" Mesh Fabric, Add	*19.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-9.59*	
		For Gate With Single Barb Wire Arm, Add	*12.13*	
		For Gate With Double Barb Wire Arm, Add	*17.64*	
32 31 13 13-0408	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	228.23	27.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.56*	
		For 1" Mesh Fabric, Add	*63.93*	
		For 1-1/4" Mesh Fabric, Add	*41.15*	
		For 1-3/4" Mesh Fabric, Add	*25.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.79*	
		For Gate With Single Barb Wire Arm, Add	*16.17*	
		For Gate With Double Barb Wire Arm, Add	*23.52*	
32 31 13 13-0409	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	264.27	28.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.30*	
		For 1" Mesh Fabric, Add	*77.26*	
		For 1-1/4" Mesh Fabric, Add	*49.73*	
		For 1-3/4" Mesh Fabric, Add	*30.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.45*	
		For Gate With Single Barb Wire Arm, Add	*19.54*	
		For Gate With Double Barb Wire Arm, Add	*28.42*	
32 31 13 13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	312.22	34.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.04*	
		For 1" Mesh Fabric, Add	*90.57*	
		For 1-1/4" Mesh Fabric, Add	*58.30*	
		For 1-3/4" Mesh Fabric, Add	*36.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.11*	
		For Gate With Single Barb Wire Arm, Add	*22.90*	
		For Gate With Double Barb Wire Arm, Add	*33.31*	
32 31 13 13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	360.16	40.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.78*	
		For 1" Mesh Fabric, Add	*103.89*	
		For 1-1/4" Mesh Fabric, Add	*66.87*	
		For 1-3/4" Mesh Fabric, Add	*41.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.78*	
		For Gate With Single Barb Wire Arm, Add	*26.27*	
		For Gate With Double Barb Wire Arm, Add	*38.21*	
32 31 13 13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	408.13	46.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.52*	
		For 1" Mesh Fabric, Add	*117.22*	
		For 1-1/4" Mesh Fabric, Add	*75.45*	
		For 1-3/4" Mesh Fabric, Add	*46.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.44*	
		For Gate With Single Barb Wire Arm, Add	*29.64*	
		For Gate With Double Barb Wire Arm, Add	*43.11*	
32 31 13 13-0413	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	456.08	52.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.26*	
		For 1" Mesh Fabric, Add	*130.53*	
		For 1-1/4" Mesh Fabric, Add	*84.02*	
		For 1-3/4" Mesh Fabric, Add	*52.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.11*	
		For Gate With Single Barb Wire Arm, Add	*33.01*	
		For Gate With Double Barb Wire Arm, Add	*48.01*	
32 31 13 13-0414	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	504.03	57.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.00*	
		For 1" Mesh Fabric, Add	*143.85*	
		For 1-1/4" Mesh Fabric, Add	*92.59*	
		For 1-3/4" Mesh Fabric, Add	*57.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.77*	
		For Gate With Single Barb Wire Arm, Add	*36.38*	
		For Gate With Double Barb Wire Arm, Add	*52.91*	
32 31 13 13-0415	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	614.26	57.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.67*	
		For 1" Mesh Fabric, Add	*191.80*	
		For 1-1/4" Mesh Fabric, Add	*123.46*	
		For 1-3/4" Mesh Fabric, Add	*76.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.36*	
		For Gate With Single Barb Wire Arm, Add	*48.50*	
		For Gate With Double Barb Wire Arm, Add	*70.55*	
32 31 13 13-0416	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	714.82	61.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-99.21*	
		For 1" Mesh Fabric, Add	*230.16*	
		For 1-1/4" Mesh Fabric, Add	*148.15*	
		For 1-3/4" Mesh Fabric, Add	*92.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.03*	
		For Gate With Single Barb Wire Arm, Add	*58.20*	
		For Gate With Double Barb Wire Arm, Add	*84.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	817.29	66.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.74*	
		For 1" Mesh Fabric, Add	*268.52*	
		For 1-1/4" Mesh Fabric, Add	*172.84*	
		For 1-3/4" Mesh Fabric, Add	*107.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.70*	
		For Gate With Single Barb Wire Arm, Add	*67.90*	
		For Gate With Double Barb Wire Arm, Add	*98.77*	
32 31 13 13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	922.14	72.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-132.28*	
		For 1" Mesh Fabric, Add	*306.88*	
		For 1-1/4" Mesh Fabric, Add	*197.53*	
		For 1-3/4" Mesh Fabric, Add	*122.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.38*	
		For Gate With Single Barb Wire Arm, Add	*77.60*	
		For Gate With Double Barb Wire Arm, Add	*112.88*	
32 31 13 13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,062.68	89.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.81*	
		For 1" Mesh Fabric, Add	*345.24*	
		For 1-1/4" Mesh Fabric, Add	*222.22*	
		For 1-3/4" Mesh Fabric, Add	*138.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.05*	
		For Gate With Single Barb Wire Arm, Add	*87.30*	
		For Gate With Double Barb Wire Arm, Add	*126.98*	
32 31 13 13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,170.08	95.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.35*	
		For 1" Mesh Fabric, Add	*383.60*	
		For 1-1/4" Mesh Fabric, Add	*246.92*	
		For 1-3/4" Mesh Fabric, Add	*153.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.72*	
		For Gate With Single Barb Wire Arm, Add	*97.00*	
		For Gate With Double Barb Wire Arm, Add	*141.09*	
32 31 13 13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,280.43	103.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.88*	
		For 1" Mesh Fabric, Add	*421.96*	
		For 1-1/4" Mesh Fabric, Add	*271.61*	
		For 1-3/4" Mesh Fabric, Add	*168.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.39*	
		For Gate With Single Barb Wire Arm, Add	*106.70*	
		For Gate With Double Barb Wire Arm, Add	*155.20*	
32 31 13 13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,394.48	111.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.41*	
		For 1" Mesh Fabric, Add	*460.32*	
		For 1-1/4" Mesh Fabric, Add	*296.30*	
		For 1-3/4" Mesh Fabric, Add	*184.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.06*	
		For Gate With Single Barb Wire Arm, Add	*116.40*	
		For Gate With Double Barb Wire Arm, Add	*169.31*	
32 31 13 13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,513.24	122.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.95*	
		For 1" Mesh Fabric, Add	*498.68*	
		For 1-1/4" Mesh Fabric, Add	*320.99*	
		For 1-3/4" Mesh Fabric, Add	*199.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.74*	
		For Gate With Single Barb Wire Arm, Add	*126.10*	
		For Gate With Double Barb Wire Arm, Add	*183.42*	
32 31 13 13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,638.11	134.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-231.48*	
		For 1" Mesh Fabric, Add	*537.04*	
		For 1-1/4" Mesh Fabric, Add	*345.68*	
		For 1-3/4" Mesh Fabric, Add	*214.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-107.41*	
		For Gate With Single Barb Wire Arm, Add	*135.80*	
		For Gate With Double Barb Wire Arm, Add	*197.53*	
32 31 13 13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,771.14	149.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.02*	
		For 1" Mesh Fabric, Add	*575.40*	
		For 1-1/4" Mesh Fabric, Add	*370.37*	
		For 1-3/4" Mesh Fabric, Add	*230.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.08*	
		For Gate With Single Barb Wire Arm, Add	*145.50*	
		For Gate With Double Barb Wire Arm, Add	*211.64*	
32 31 13 13-0426		5' Fence Height *(32 31 13 13-0405)*		
32 31 13 13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	223.26	28.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.61*	
		For 1" Mesh Fabric, Add	*59.42*	
		For 1-1/4" Mesh Fabric, Add	*38.25*	
		For 1-3/4" Mesh Fabric, Add	*23.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.88*	
		For Gate With Single Barb Wire Arm, Add	*15.02*	
		For Gate With Double Barb Wire Arm, Add	*21.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	268.79	28.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.15*	
		For 1" Mesh Fabric, Add	*79.22*	
		For 1-1/4" Mesh Fabric, Add	*50.99*	
		For 1-3/4" Mesh Fabric, Add	*31.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.84*	
		For Gate With Single Barb Wire Arm, Add	*20.03*	
		For Gate With Double Barb Wire Arm, Add	*29.14*	
32 31 13 13-0429	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	308.37	30.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.55*	
		For 1" Mesh Fabric, Add	*94.08*	
		For 1-1/4" Mesh Fabric, Add	*60.56*	
		For 1-3/4" Mesh Fabric, Add	*37.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.82*	
		For Gate With Single Barb Wire Arm, Add	*23.79*	
		For Gate With Double Barb Wire Arm, Add	*34.60*	
32 31 13 13-0430	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	360.92	36.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.95*	
		For 1" Mesh Fabric, Add	*108.93*	
		For 1-1/4" Mesh Fabric, Add	*70.12*	
		For 1-3/4" Mesh Fabric, Add	*43.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.79*	
		For Gate With Single Barb Wire Arm, Add	*27.55*	
		For Gate With Double Barb Wire Arm, Add	*40.07*	
32 31 13 13-0431	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	413.49	42.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.36*	
		For 1" Mesh Fabric, Add	*123.79*	
		For 1-1/4" Mesh Fabric, Add	*79.68*	
		For 1-3/4" Mesh Fabric, Add	*49.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.76*	
		For Gate With Single Barb Wire Arm, Add	*31.30*	
		For Gate With Double Barb Wire Arm, Add	*45.53*	
32 31 13 13-0432	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	467.13	49.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.76*	
		For 1" Mesh Fabric, Add	*138.64*	
		For 1-1/4" Mesh Fabric, Add	*89.24*	
		For 1-3/4" Mesh Fabric, Add	*55.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.73*	
		For Gate With Single Barb Wire Arm, Add	*35.06*	
		For Gate With Double Barb Wire Arm, Add	*50.99*	
32 31 13 13-0433	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	519.69	55.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.16*	
		For 1" Mesh Fabric, Add	*153.49*	
		For 1-1/4" Mesh Fabric, Add	*98.80*	
		For 1-3/4" Mesh Fabric, Add	*61.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.70*	
		For Gate With Single Barb Wire Arm, Add	*38.81*	
		For Gate With Double Barb Wire Arm, Add	*56.46*	
32 31 13 13-0434	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	572.25	61.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.56*	
		For 1" Mesh Fabric, Add	*168.35*	
		For 1-1/4" Mesh Fabric, Add	*108.36*	
		For 1-3/4" Mesh Fabric, Add	*67.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.67*	
		For Gate With Single Barb Wire Arm, Add	*42.57*	
		For Gate With Double Barb Wire Arm, Add	*61.92*	
32 31 13 13-0435	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	732.08	61.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.44*	
		For 1" Mesh Fabric, Add	*237.67*	
		For 1-1/4" Mesh Fabric, Add	*152.98*	
		For 1-3/4" Mesh Fabric, Add	*95.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.53*	
		For Gate With Single Barb Wire Arm, Add	*60.10*	
		For Gate With Double Barb Wire Arm, Add	*87.42*	
32 31 13 13-0436	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	855.63	66.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.93*	
		For 1" Mesh Fabric, Add	*285.20*	
		For 1-1/4" Mesh Fabric, Add	*183.58*	
		For 1-3/4" Mesh Fabric, Add	*114.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.04*	
		For Gate With Single Barb Wire Arm, Add	*72.12*	
		For Gate With Double Barb Wire Arm, Add	*104.90*	
32 31 13 13-0437	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	981.57	72.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.42*	
		For 1" Mesh Fabric, Add	*332.73*	
		For 1-1/4" Mesh Fabric, Add	*214.17*	
		For 1-3/4" Mesh Fabric, Add	*133.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.55*	
		For Gate With Single Barb Wire Arm, Add	*84.14*	
		For Gate With Double Barb Wire Arm, Add	*122.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0438	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,143.20	89.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.91*	
		For 1" Mesh Fabric, Add	*380.26*	
		For 1-1/4" Mesh Fabric, Add	*244.77*	
		For 1-3/4" Mesh Fabric, Add	*152.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.05*	
		For Gate With Single Barb Wire Arm, Add	*96.16*	
		For Gate With Double Barb Wire Arm, Add	*139.87*	
32 31 13 13-0439	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,271.68	95.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-184.40*	
		For 1" Mesh Fabric, Add	*427.80*	
		For 1-1/4" Mesh Fabric, Add	*275.36*	
		For 1-3/4" Mesh Fabric, Add	*171.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.56*	
		For Gate With Single Barb Wire Arm, Add	*108.18*	
		For Gate With Double Barb Wire Arm, Add	*157.35*	
32 31 13 13-0440	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,403.12	103.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.88*	
		For 1" Mesh Fabric, Add	*475.33*	
		For 1-1/4" Mesh Fabric, Add	*305.96*	
		For 1-3/4" Mesh Fabric, Add	*190.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.07*	
		For Gate With Single Barb Wire Arm, Add	*120.20*	
		For Gate With Double Barb Wire Arm, Add	*174.83*	
32 31 13 13-0441	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,538.27	111.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-225.37*	
		For 1" Mesh Fabric, Add	*522.87*	
		For 1-1/4" Mesh Fabric, Add	*336.56*	
		For 1-3/4" Mesh Fabric, Add	*209.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.57*	
		For Gate With Single Barb Wire Arm, Add	*132.22*	
		For Gate With Double Barb Wire Arm, Add	*192.32*	
32 31 13 13-0442	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,678.11	122.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.86*	
		For 1" Mesh Fabric, Add	*570.40*	
		For 1-1/4" Mesh Fabric, Add	*367.15*	
		For 1-3/4" Mesh Fabric, Add	*228.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-114.08*	
		For Gate With Single Barb Wire Arm, Add	*144.24*	
		For Gate With Double Barb Wire Arm, Add	*209.80*	
32 31 13 13-0443	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,824.07	134.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.35*	
		For 1" Mesh Fabric, Add	*617.93*	
		For 1-1/4" Mesh Fabric, Add	*397.75*	
		For 1-3/4" Mesh Fabric, Add	*247.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.59*	
		For Gate With Single Barb Wire Arm, Add	*156.26*	
		For Gate With Double Barb Wire Arm, Add	*227.28*	
32 31 13 13-0444	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,978.18	149.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.84*	
		For 1" Mesh Fabric, Add	*665.46*	
		For 1-1/4" Mesh Fabric, Add	*428.34*	
		For 1-3/4" Mesh Fabric, Add	*266.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.09*	
		For Gate With Single Barb Wire Arm, Add	*168.28*	
		For Gate With Double Barb Wire Arm, Add	*244.77*	
32 31 13 13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,143.49	167.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-307.33*	
		For 1" Mesh Fabric, Add	*713.00*	
		For 1-1/4" Mesh Fabric, Add	*458.94*	
		For 1-3/4" Mesh Fabric, Add	*285.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.60*	
		For Gate With Single Barb Wire Arm, Add	*180.30*	
		For Gate With Double Barb Wire Arm, Add	*262.25*	
32 31 13 13-0446		6' Fence Height *(32 31 13 13-0405)*		
32 31 13 13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	238.83	30.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.37*	
		For 1" Mesh Fabric, Add	*63.50*	
		For 1-1/4" Mesh Fabric, Add	*40.87*	
		For 1-3/4" Mesh Fabric, Add	*25.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.70*	
		For Gate With Single Barb Wire Arm, Add	*16.06*	
		For Gate With Double Barb Wire Arm, Add	*23.36*	
32 31 13 13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	287.49	30.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.49*	
		For 1" Mesh Fabric, Add	*84.66*	
		For 1-1/4" Mesh Fabric, Add	*54.50*	
		For 1-3/4" Mesh Fabric, Add	*33.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.93*	
		For Gate With Single Barb Wire Arm, Add	*21.41*	
		For Gate With Double Barb Wire Arm, Add	*31.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	329.71	32.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.34*	
		For 1" Mesh Fabric, Add	*100.54*	
		For 1-1/4" Mesh Fabric, Add	*64.72*	
		For 1-3/4" Mesh Fabric, Add	*40.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.11*	
		For Gate With Single Barb Wire Arm, Add	*25.42*	
		For Gate With Double Barb Wire Arm, Add	*36.98*	
32 31 13 13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	386.79	39.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.18*	
		For 1" Mesh Fabric, Add	*116.41*	
		For 1-1/4" Mesh Fabric, Add	*74.93*	
		For 1-3/4" Mesh Fabric, Add	*46.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.28*	
		For Gate With Single Barb Wire Arm, Add	*29.44*	
		For Gate With Double Barb Wire Arm, Add	*42.82*	
32 31 13 13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	443.87	46.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.02*	
		For 1" Mesh Fabric, Add	*132.29*	
		For 1-1/4" Mesh Fabric, Add	*85.15*	
		For 1-3/4" Mesh Fabric, Add	*52.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.46*	
		For Gate With Single Barb Wire Arm, Add	*33.45*	
		For Gate With Double Barb Wire Arm, Add	*48.66*	
32 31 13 13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	499.85	53.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.86*	
		For 1" Mesh Fabric, Add	*148.17*	
		For 1-1/4" Mesh Fabric, Add	*95.37*	
		For 1-3/4" Mesh Fabric, Add	*59.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.63*	
		For Gate With Single Barb Wire Arm, Add	*37.47*	
		For Gate With Double Barb Wire Arm, Add	*54.50*	
32 31 13 13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	556.95	59.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.71*	
		For 1" Mesh Fabric, Add	*164.04*	
		For 1-1/4" Mesh Fabric, Add	*105.59*	
		For 1-3/4" Mesh Fabric, Add	*65.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.81*	
		For Gate With Single Barb Wire Arm, Add	*41.48*	
		For Gate With Double Barb Wire Arm, Add	*60.34*	
32 31 13 13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	614.02	66.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.55*	
		For 1" Mesh Fabric, Add	*179.92*	
		For 1-1/4" Mesh Fabric, Add	*115.81*	
		For 1-3/4" Mesh Fabric, Add	*71.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.98*	
		For Gate With Single Barb Wire Arm, Add	*45.50*	
		For Gate With Double Barb Wire Arm, Add	*66.18*	
32 31 13 13-0455	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	783.90	66.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.48*	
		For 1" Mesh Fabric, Add	*254.00*	
		For 1-1/4" Mesh Fabric, Add	*163.49*	
		For 1-3/4" Mesh Fabric, Add	*101.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.80*	
		For Gate With Single Barb Wire Arm, Add	*64.23*	
		For Gate With Double Barb Wire Arm, Add	*93.42*	
32 31 13 13-0456	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	917.35	72.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-131.38*	
		For 1" Mesh Fabric, Add	*304.80*	
		For 1-1/4" Mesh Fabric, Add	*196.19*	
		For 1-3/4" Mesh Fabric, Add	*121.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.96*	
		For Gate With Single Barb Wire Arm, Add	*77.07*	
		For Gate With Double Barb Wire Arm, Add	*112.11*	
32 31 13 13-0457	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,105.70	95.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.27*	
		For 1" Mesh Fabric, Add	*355.60*	
		For 1-1/4" Mesh Fabric, Add	*228.89*	
		For 1-3/4" Mesh Fabric, Add	*142.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.12*	
		For Gate With Single Barb Wire Arm, Add	*89.92*	
		For Gate With Double Barb Wire Arm, Add	*130.79*	
32 31 13 13-0458	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,244.65	103.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.17*	
		For 1" Mesh Fabric, Add	*406.39*	
		For 1-1/4" Mesh Fabric, Add	*261.59*	
		For 1-3/4" Mesh Fabric, Add	*162.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.28*	
		For Gate With Single Barb Wire Arm, Add	*102.77*	
		For Gate With Double Barb Wire Arm, Add	*149.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0459	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,387.30	111.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.07*	
		For 1" Mesh Fabric, Add	*457.19*	
		For 1-1/4" Mesh Fabric, Add	*294.29*	
		For 1-3/4" Mesh Fabric, Add	*182.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.44*	
		For Gate With Single Barb Wire Arm, Add	*115.61*	
		For Gate With Double Barb Wire Arm, Add	*168.16*	
32 31 13 13-0460	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,556.23	122.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-223.01*	
		For 1" Mesh Fabric, Add	*517.38*	
		For 1-1/4" Mesh Fabric, Add	*333.03*	
		For 1-3/4" Mesh Fabric, Add	*206.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.48*	
		For Gate With Single Barb Wire Arm, Add	*130.83*	
		For Gate With Double Barb Wire Arm, Add	*190.30*	
32 31 13 13-0461	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,692.04	134.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.59*	
		For 1" Mesh Fabric, Add	*560.50*	
		For 1-1/4" Mesh Fabric, Add	*360.78*	
		For 1-3/4" Mesh Fabric, Add	*224.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.10*	
		For Gate With Single Barb Wire Arm, Add	*141.74*	
		For Gate With Double Barb Wire Arm, Add	*206.16*	
32 31 13 13-0462	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,849.74	149.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.76*	
		For 1" Mesh Fabric, Add	*609.59*	
		For 1-1/4" Mesh Fabric, Add	*392.38*	
		For 1-3/4" Mesh Fabric, Add	*243.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.92*	
		For Gate With Single Barb Wire Arm, Add	*154.15*	
		For Gate With Double Barb Wire Arm, Add	*224.22*	
32 31 13 13-0463	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,022.56	167.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.65*	
		For 1" Mesh Fabric, Add	*660.39*	
		For 1-1/4" Mesh Fabric, Add	*425.08*	
		For 1-3/4" Mesh Fabric, Add	*264.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.08*	
		For Gate With Single Barb Wire Arm, Add	*167.00*	
		For Gate With Double Barb Wire Arm, Add	*242.90*	
32 31 13 13-0464	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,211.41	191.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.55*	
		For 1" Mesh Fabric, Add	*711.19*	
		For 1-1/4" Mesh Fabric, Add	*457.78*	
		For 1-3/4" Mesh Fabric, Add	*284.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.24*	
		For Gate With Single Barb Wire Arm, Add	*179.84*	
		For Gate With Double Barb Wire Arm, Add	*261.59*	
32 31 13 13-0465	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,424.26	223.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-328.44*	
		For 1" Mesh Fabric, Add	*761.99*	
		For 1-1/4" Mesh Fabric, Add	*490.48*	
		For 1-3/4" Mesh Fabric, Add	*304.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-152.40*	
		For Gate With Single Barb Wire Arm, Add	*192.69*	
		For Gate With Double Barb Wire Arm, Add	*280.27*	
32 31 13 13-0466		7' Fence Height *(32 31 13 13-0405)*		
32 31 13 13-0467	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	253.32	33.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.75*	
		For 1" Mesh Fabric, Add	*66.69*	
		For 1-1/4" Mesh Fabric, Add	*42.93*	
		For 1-3/4" Mesh Fabric, Add	*26.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.34*	
		For Gate With Single Barb Wire Arm, Add	*16.87*	
		For Gate With Double Barb Wire Arm, Add	*24.53*	
32 31 13 13-0468	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	304.43	33.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.33*	
		For 1" Mesh Fabric, Add	*88.93*	
		For 1-1/4" Mesh Fabric, Add	*57.24*	
		For 1-3/4" Mesh Fabric, Add	*35.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.79*	
		For Gate With Single Barb Wire Arm, Add	*22.49*	
		For Gate With Double Barb Wire Arm, Add	*32.71*	
32 31 13 13-0469	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	347.87	34.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.52*	
		For 1" Mesh Fabric, Add	*105.61*	
		For 1-1/4" Mesh Fabric, Add	*67.98*	
		For 1-3/4" Mesh Fabric, Add	*42.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.12*	
		For Gate With Single Barb Wire Arm, Add	*26.71*	
		For Gate With Double Barb Wire Arm, Add	*38.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0470	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	408.94	42.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.71*	
		For 1" Mesh Fabric, Add	*122.28*	
		For 1-1/4" Mesh Fabric, Add	*78.71*	
		For 1-3/4" Mesh Fabric, Add	*48.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.46*	
		For Gate With Single Barb Wire Arm, Add	*30.92*	
		For Gate With Double Barb Wire Arm, Add	*44.98*	
32 31 13 13-0471	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	468.93	49.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.90*	
		For 1" Mesh Fabric, Add	*138.96*	
		For 1-1/4" Mesh Fabric, Add	*89.44*	
		For 1-3/4" Mesh Fabric, Add	*55.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.79*	
		For Gate With Single Barb Wire Arm, Add	*35.14*	
		For Gate With Double Barb Wire Arm, Add	*51.11*	
32 31 13 13-0472	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	530.03	57.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.08*	
		For 1" Mesh Fabric, Add	*155.63*	
		For 1-1/4" Mesh Fabric, Add	*100.18*	
		For 1-3/4" Mesh Fabric, Add	*62.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.13*	
		For Gate With Single Barb Wire Arm, Add	*39.36*	
		For Gate With Double Barb Wire Arm, Add	*57.24*	
32 31 13 13-0473	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	590.02	64.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.27*	
		For 1" Mesh Fabric, Add	*172.30*	
		For 1-1/4" Mesh Fabric, Add	*110.91*	
		For 1-3/4" Mesh Fabric, Add	*68.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.46*	
		For Gate With Single Barb Wire Arm, Add	*43.57*	
		For Gate With Double Barb Wire Arm, Add	*63.38*	
32 31 13 13-0474	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	651.11	72.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.46*	
		For 1" Mesh Fabric, Add	*188.98*	
		For 1-1/4" Mesh Fabric, Add	*121.64*	
		For 1-3/4" Mesh Fabric, Add	*75.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.80*	
		For Gate With Single Barb Wire Arm, Add	*47.79*	
		For Gate With Double Barb Wire Arm, Add	*69.51*	
32 31 13 13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	829.99	72.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.00*	
		For 1" Mesh Fabric, Add	*266.79*	
		For 1-1/4" Mesh Fabric, Add	*171.73*	
		For 1-3/4" Mesh Fabric, Add	*106.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.36*	
		For Gate With Single Barb Wire Arm, Add	*67.47*	
		For Gate With Double Barb Wire Arm, Add	*98.13*	
32 31 13 13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,024.20	95.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.99*	
		For 1" Mesh Fabric, Add	*320.14*	
		For 1-1/4" Mesh Fabric, Add	*206.07*	
		For 1-3/4" Mesh Fabric, Add	*128.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.03*	
		For Gate With Single Barb Wire Arm, Add	*80.96*	
		For Gate With Double Barb Wire Arm, Add	*117.75*	
32 31 13 13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,169.05	103.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.00*	
		For 1" Mesh Fabric, Add	*373.51*	
		For 1-1/4" Mesh Fabric, Add	*240.42*	
		For 1-3/4" Mesh Fabric, Add	*149.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.70*	
		For Gate With Single Barb Wire Arm, Add	*94.45*	
		For Gate With Double Barb Wire Arm, Add	*137.38*	
32 31 13 13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,317.56	111.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.99*	
		For 1" Mesh Fabric, Add	*426.86*	
		For 1-1/4" Mesh Fabric, Add	*274.76*	
		For 1-3/4" Mesh Fabric, Add	*170.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.37*	
		For Gate With Single Barb Wire Arm, Add	*107.94*	
		For Gate With Double Barb Wire Arm, Add	*157.00*	
32 31 13 13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,470.81	122.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.99*	
		For 1" Mesh Fabric, Add	*480.22*	
		For 1-1/4" Mesh Fabric, Add	*309.11*	
		For 1-3/4" Mesh Fabric, Add	*192.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.04*	
		For Gate With Single Barb Wire Arm, Add	*121.44*	
		For Gate With Double Barb Wire Arm, Add	*176.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,630.14	134.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-229.99*	
		For 1" Mesh Fabric, Add	*533.57*	
		For 1-1/4" Mesh Fabric, Add	*343.45*	
		For 1-3/4" Mesh Fabric, Add	*213.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.71*	
		For Gate With Single Barb Wire Arm, Add	*134.93*	
		For Gate With Double Barb Wire Arm, Add	*196.26*	
32 31 13 13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,797.63	149.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-252.98*	
		For 1" Mesh Fabric, Add	*586.92*	
		For 1-1/4" Mesh Fabric, Add	*377.79*	
		For 1-3/4" Mesh Fabric, Add	*234.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.38*	
		For Gate With Single Barb Wire Arm, Add	*148.42*	
		For Gate With Double Barb Wire Arm, Add	*215.88*	
32 31 13 13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,976.34	167.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-275.99*	
		For 1" Mesh Fabric, Add	*640.29*	
		For 1-1/4" Mesh Fabric, Add	*412.14*	
		For 1-3/4" Mesh Fabric, Add	*256.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.06*	
		For Gate With Single Barb Wire Arm, Add	*161.91*	
		For Gate With Double Barb Wire Arm, Add	*235.51*	
32 31 13 13-0483	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,171.09	191.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.99*	
		For 1" Mesh Fabric, Add	*693.65*	
		For 1-1/4" Mesh Fabric, Add	*446.49*	
		For 1-3/4" Mesh Fabric, Add	*277.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.73*	
		For Gate With Single Barb Wire Arm, Add	*175.41*	
		For Gate With Double Barb Wire Arm, Add	*255.14*	
32 31 13 13-0484	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,389.81	223.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-321.98*	
		For 1" Mesh Fabric, Add	*747.00*	
		For 1-1/4" Mesh Fabric, Add	*480.83*	
		For 1-3/4" Mesh Fabric, Add	*298.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.40*	
		For Gate With Single Barb Wire Arm, Add	*188.90*	
		For Gate With Double Barb Wire Arm, Add	*274.76*	
32 31 13 13-0485	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,647.01	268.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.99*	
		For 1" Mesh Fabric, Add	*800.37*	
		For 1-1/4" Mesh Fabric, Add	*515.18*	
		For 1-3/4" Mesh Fabric, Add	*320.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.07*	
		For Gate With Single Barb Wire Arm, Add	*202.39*	
		For Gate With Double Barb Wire Arm, Add	*294.39*	
32 31 13 13-0486		8' Fence Height *(32 31 13 13-0405)*		
32 31 13 13-0487	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	294.17	36.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.85*	
		For 1" Mesh Fabric, Add	*80.84*	
		For 1-1/4" Mesh Fabric, Add	*52.04*	
		For 1-3/4" Mesh Fabric, Add	*32.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.17*	
		For Gate With Single Barb Wire Arm, Add	*20.44*	
		For Gate With Double Barb Wire Arm, Add	*29.73*	
32 31 13 13-0488	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	356.12	36.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.46*	
		For 1" Mesh Fabric, Add	*107.79*	
		For 1-1/4" Mesh Fabric, Add	*69.38*	
		For 1-3/4" Mesh Fabric, Add	*43.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.56*	
		For Gate With Single Barb Wire Arm, Add	*27.26*	
		For Gate With Double Barb Wire Arm, Add	*39.65*	
32 31 13 13-0489	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	397.42	36.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.20*	
		For 1" Mesh Fabric, Add	*125.75*	
		For 1-1/4" Mesh Fabric, Add	*80.95*	
		For 1-3/4" Mesh Fabric, Add	*50.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.15*	
		For Gate With Single Barb Wire Arm, Add	*31.80*	
		For Gate With Double Barb Wire Arm, Add	*46.25*	
32 31 13 13-0490	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	466.88	45.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.95*	
		For 1" Mesh Fabric, Add	*143.72*	
		For 1-1/4" Mesh Fabric, Add	*92.51*	
		For 1-3/4" Mesh Fabric, Add	*57.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.74*	
		For Gate With Single Barb Wire Arm, Add	*36.34*	
		For Gate With Double Barb Wire Arm, Add	*52.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0491	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	536.35	54.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.69*	
		For 1" Mesh Fabric, Add	*161.68*	
		For 1-1/4" Mesh Fabric, Add	*104.07*	
		For 1-3/4" Mesh Fabric, Add	*64.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.34*	
		For Gate With Single Barb Wire Arm, Add	*40.88*	
		For Gate With Double Barb Wire Arm, Add	*59.47*	
32 31 13 13-0492	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	604.74	63.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.43*	
		For 1" Mesh Fabric, Add	*179.65*	
		For 1-1/4" Mesh Fabric, Add	*115.63*	
		For 1-3/4" Mesh Fabric, Add	*71.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.93*	
		For Gate With Single Barb Wire Arm, Add	*45.43*	
		For Gate With Double Barb Wire Arm, Add	*66.08*	
32 31 13 13-0493	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	674.21	73.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.18*	
		For 1" Mesh Fabric, Add	*197.61*	
		For 1-1/4" Mesh Fabric, Add	*127.20*	
		For 1-3/4" Mesh Fabric, Add	*79.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.52*	
		For Gate With Single Barb Wire Arm, Add	*49.97*	
		For Gate With Double Barb Wire Arm, Add	*72.68*	
32 31 13 13-0494	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	743.66	82.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.92*	
		For 1" Mesh Fabric, Add	*215.58*	
		For 1-1/4" Mesh Fabric, Add	*138.76*	
		For 1-3/4" Mesh Fabric, Add	*86.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.12*	
		For Gate With Single Barb Wire Arm, Add	*54.51*	
		For Gate With Double Barb Wire Arm, Add	*79.29*	
32 31 13 13-0495	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,031.59	95.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.38*	
		For 1" Mesh Fabric, Add	*323.36*	
		For 1-1/4" Mesh Fabric, Add	*208.14*	
		For 1-3/4" Mesh Fabric, Add	*129.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.67*	
		For Gate With Single Barb Wire Arm, Add	*81.77*	
		For Gate With Double Barb Wire Arm, Add	*118.94*	
32 31 13 13-0496	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,202.44	103.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.26*	
		For 1" Mesh Fabric, Add	*388.03*	
		For 1-1/4" Mesh Fabric, Add	*249.77*	
		For 1-3/4" Mesh Fabric, Add	*155.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.61*	
		For Gate With Single Barb Wire Arm, Add	*98.12*	
		For Gate With Double Barb Wire Arm, Add	*142.72*	
32 31 13 13-0497	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,376.98	111.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-195.13*	
		For 1" Mesh Fabric, Add	*452.70*	
		For 1-1/4" Mesh Fabric, Add	*291.40*	
		For 1-3/4" Mesh Fabric, Add	*181.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.54*	
		For Gate With Single Barb Wire Arm, Add	*114.48*	
		For Gate With Double Barb Wire Arm, Add	*166.51*	
32 31 13 13-0498	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,556.22	122.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-223.01*	
		For 1" Mesh Fabric, Add	*517.38*	
		For 1-1/4" Mesh Fabric, Add	*333.02*	
		For 1-3/4" Mesh Fabric, Add	*206.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.48*	
		For Gate With Single Barb Wire Arm, Add	*130.83*	
		For Gate With Double Barb Wire Arm, Add	*190.30*	
32 31 13 13-0499	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,741.58	134.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.88*	
		For 1" Mesh Fabric, Add	*582.05*	
		For 1-1/4" Mesh Fabric, Add	*374.65*	
		For 1-3/4" Mesh Fabric, Add	*232.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.41*	
		For Gate With Single Barb Wire Arm, Add	*147.18*	
		For Gate With Double Barb Wire Arm, Add	*214.09*	
32 31 13 13-0500	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,935.09	149.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-278.76*	
		For 1" Mesh Fabric, Add	*646.72*	
		For 1-1/4" Mesh Fabric, Add	*416.28*	
		For 1-3/4" Mesh Fabric, Add	*258.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.34*	
		For Gate With Single Barb Wire Arm, Add	*163.54*	
		For Gate With Double Barb Wire Arm, Add	*237.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,139.80	167.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.63*	
		For 1" Mesh Fabric, Add	*711.39*	
		For 1-1/4" Mesh Fabric, Add	*457.91*	
		For 1-3/4" Mesh Fabric, Add	*284.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.28*	
		For Gate With Single Barb Wire Arm, Add	*179.89*	
		For Gate With Double Barb Wire Arm, Add	*261.66*	
32 31 13 13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,360.54	191.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.51*	
		For 1" Mesh Fabric, Add	*776.06*	
		For 1-1/4" Mesh Fabric, Add	*499.53*	
		For 1-3/4" Mesh Fabric, Add	*310.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.21*	
		For Gate With Single Barb Wire Arm, Add	*196.25*	
		For Gate With Double Barb Wire Arm, Add	*285.45*	
32 31 13 13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,605.28	223.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.39*	
		For 1" Mesh Fabric, Add	*840.73*	
		For 1-1/4" Mesh Fabric, Add	*541.16*	
		For 1-3/4" Mesh Fabric, Add	*336.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.15*	
		For Gate With Single Barb Wire Arm, Add	*212.60*	
		For Gate With Double Barb Wire Arm, Add	*309.24*	
32 31 13 13-0504	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,888.48	268.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-390.26*	
		For 1" Mesh Fabric, Add	*905.40*	
		For 1-1/4" Mesh Fabric, Add	*582.79*	
		For 1-3/4" Mesh Fabric, Add	*362.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.08*	
		For Gate With Single Barb Wire Arm, Add	*228.95*	
		For Gate With Double Barb Wire Arm, Add	*333.02*	
32 31 13 13-0505	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,238.92	335.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.14*	
		For 1" Mesh Fabric, Add	*970.08*	
		For 1-1/4" Mesh Fabric, Add	*624.42*	
		For 1-3/4" Mesh Fabric, Add	*388.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.02*	
		For Gate With Single Barb Wire Arm, Add	*245.31*	
		For Gate With Double Barb Wire Arm, Add	*356.81*	
32 31 13 13-0506		**10' Fence Height** *(32 31 13 13-0405)*		
32 31 13 13-0507	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	335.95	40.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.42*	
		For 1" Mesh Fabric, Add	*93.78*	
		For 1-1/4" Mesh Fabric, Add	*60.36*	
		For 1-3/4" Mesh Fabric, Add	*37.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.76*	
		For Gate With Single Barb Wire Arm, Add	*23.71*	
		For Gate With Double Barb Wire Arm, Add	*34.49*	
32 31 13 13-0508	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	407.81	40.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.90*	
		For 1" Mesh Fabric, Add	*125.04*	
		For 1-1/4" Mesh Fabric, Add	*80.48*	
		For 1-3/4" Mesh Fabric, Add	*50.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.01*	
		For Gate With Single Barb Wire Arm, Add	*31.62*	
		For Gate With Double Barb Wire Arm, Add	*45.99*	
32 31 13 13-0509	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	461.01	41.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.88*	
		For 1" Mesh Fabric, Add	*145.88*	
		For 1-1/4" Mesh Fabric, Add	*93.90*	
		For 1-3/4" Mesh Fabric, Add	*58.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.18*	
		For Gate With Single Barb Wire Arm, Add	*36.89*	
		For Gate With Double Barb Wire Arm, Add	*53.66*	
32 31 13 13-0510	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	539.26	52.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.86*	
		For 1" Mesh Fabric, Add	*166.72*	
		For 1-1/4" Mesh Fabric, Add	*107.31*	
		For 1-3/4" Mesh Fabric, Add	*66.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.34*	
		For Gate With Single Barb Wire Arm, Add	*42.16*	
		For Gate With Double Barb Wire Arm, Add	*61.32*	
32 31 13 13-0511	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	616.41	61.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.84*	
		For 1" Mesh Fabric, Add	*187.55*	
		For 1-1/4" Mesh Fabric, Add	*120.72*	
		For 1-3/4" Mesh Fabric, Add	*75.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.51*	
		For Gate With Single Barb Wire Arm, Add	*47.43*	
		For Gate With Double Barb Wire Arm, Add	*68.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0512	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	694.66	71.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.83*	
		For 1" Mesh Fabric, Add	*208.40*	
		For 1-1/4" Mesh Fabric, Add	*134.14*	
		For 1-3/4" Mesh Fabric, Add	*83.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.68*	
		For Gate With Single Barb Wire Arm, Add	*52.70*	
		For Gate With Double Barb Wire Arm, Add	*76.65*	
32 31 13 13-0513	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	771.82	81.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.81*	
		For 1" Mesh Fabric, Add	*229.24*	
		For 1-1/4" Mesh Fabric, Add	*147.56*	
		For 1-3/4" Mesh Fabric, Add	*91.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.85*	
		For Gate With Single Barb Wire Arm, Add	*57.97*	
		For Gate With Double Barb Wire Arm, Add	*84.32*	
32 31 13 13-0514	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	850.08	91.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.79*	
		For 1" Mesh Fabric, Add	*250.08*	
		For 1-1/4" Mesh Fabric, Add	*160.97*	
		For 1-3/4" Mesh Fabric, Add	*100.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.02*	
		For Gate With Single Barb Wire Arm, Add	*63.24*	
		For Gate With Double Barb Wire Arm, Add	*91.98*	
32 31 13 13-0515	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,182.60	106.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.69*	
		For 1" Mesh Fabric, Add	*375.11*	
		For 1-1/4" Mesh Fabric, Add	*241.45*	
		For 1-3/4" Mesh Fabric, Add	*150.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.02*	
		For Gate With Single Barb Wire Arm, Add	*94.86*	
		For Gate With Double Barb Wire Arm, Add	*137.97*	
32 31 13 13-0516	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,379.59	114.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.03*	
		For 1" Mesh Fabric, Add	*450.14*	
		For 1-1/4" Mesh Fabric, Add	*289.74*	
		For 1-3/4" Mesh Fabric, Add	*180.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.03*	
		For Gate With Single Barb Wire Arm, Add	*113.83*	
		For Gate With Double Barb Wire Arm, Add	*165.57*	
32 31 13 13-0517	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,580.91	124.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.36*	
		For 1" Mesh Fabric, Add	*525.16*	
		For 1-1/4" Mesh Fabric, Add	*338.03*	
		For 1-3/4" Mesh Fabric, Add	*210.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.03*	
		For Gate With Single Barb Wire Arm, Add	*132.80*	
		For Gate With Double Barb Wire Arm, Add	*193.16*	
32 31 13 13-0518	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,787.17	135.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.70*	
		For 1" Mesh Fabric, Add	*600.18*	
		For 1-1/4" Mesh Fabric, Add	*386.32*	
		For 1-3/4" Mesh Fabric, Add	*240.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.04*	
		For Gate With Single Barb Wire Arm, Add	*151.77*	
		For Gate With Double Barb Wire Arm, Add	*220.76*	
32 31 13 13-0519	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,000.57	149.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.04*	
		For 1" Mesh Fabric, Add	*675.20*	
		For 1-1/4" Mesh Fabric, Add	*434.61*	
		For 1-3/4" Mesh Fabric, Add	*270.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.04*	
		For Gate With Single Barb Wire Arm, Add	*170.74*	
		For Gate With Double Barb Wire Arm, Add	*248.35*	
32 31 13 13-0520	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,222.60	165.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.37*	
		For 1" Mesh Fabric, Add	*750.22*	
		For 1-1/4" Mesh Fabric, Add	*482.90*	
		For 1-3/4" Mesh Fabric, Add	*300.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.04*	
		For Gate With Single Barb Wire Arm, Add	*189.71*	
		For Gate With Double Barb Wire Arm, Add	*275.94*	
32 31 13 13-0521	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,457.59	186.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.71*	
		For 1" Mesh Fabric, Add	*825.25*	
		For 1-1/4" Mesh Fabric, Add	*531.19*	
		For 1-3/4" Mesh Fabric, Add	*330.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.05*	
		For Gate With Single Barb Wire Arm, Add	*208.68*	
		For Gate With Double Barb Wire Arm, Add	*303.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0522	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,709.72	213.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-388.05*	
		For 1" Mesh Fabric, Add	*900.27*	
		For 1-1/4" Mesh Fabric, Add	*579.49*	
		For 1-3/4" Mesh Fabric, Add	*360.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.05*	
		For Gate With Single Barb Wire Arm, Add	*227.65*	
		For Gate With Double Barb Wire Arm, Add	*331.13*	
32 31 13 13-0523	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,989.35	248.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.38*	
		For 1" Mesh Fabric, Add	*975.29*	
		For 1-1/4" Mesh Fabric, Add	*627.77*	
		For 1-3/4" Mesh Fabric, Add	*390.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.06*	
		For Gate With Single Barb Wire Arm, Add	*246.63*	
		For Gate With Double Barb Wire Arm, Add	*358.73*	
32 31 13 13-0524	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,310.49	298.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.72*	
		For 1" Mesh Fabric, Add	*1,050.32*	
		For 1-1/4" Mesh Fabric, Add	*676.07*	
		For 1-3/4" Mesh Fabric, Add	*420.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.06*	
		For Gate With Single Barb Wire Arm, Add	*265.60*	
		For Gate With Double Barb Wire Arm, Add	*386.32*	
32 31 13 13-0525	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,707.93	373.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-485.06*	
		For 1" Mesh Fabric, Add	*1,125.34*	
		For 1-1/4" Mesh Fabric, Add	*724.35*	
		For 1-3/4" Mesh Fabric, Add	*450.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.07*	
		For Gate With Single Barb Wire Arm, Add	*284.57*	
		For Gate With Double Barb Wire Arm, Add	*413.92*	
32 31 13 13-0526		12' Fence Height *(32 31 13 13-0405)*		
32 31 13 13-0527	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	434.40	44.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.37*	
		For 1" Mesh Fabric, Add	*130.78*	
		For 1-1/4" Mesh Fabric, Add	*84.18*	
		For 1-3/4" Mesh Fabric, Add	*52.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.16*	
		For Gate With Single Barb Wire Arm, Add	*33.07*	
		For Gate With Double Barb Wire Arm, Add	*48.10*	
32 31 13 13-0528	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	534.34	44.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.11*	
		For 1" Mesh Fabric, Add	*174.26*	
		For 1-1/4" Mesh Fabric, Add	*112.17*	
		For 1-3/4" Mesh Fabric, Add	*69.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.85*	
		For Gate With Single Barb Wire Arm, Add	*44.06*	
		For Gate With Double Barb Wire Arm, Add	*64.09*	
32 31 13 13-0529	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	613.60	46.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.05*	
		For 1" Mesh Fabric, Add	*206.59*	
		For 1-1/4" Mesh Fabric, Add	*132.98*	
		For 1-3/4" Mesh Fabric, Add	*82.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.32*	
		For Gate With Single Barb Wire Arm, Add	*52.24*	
		For Gate With Double Barb Wire Arm, Add	*75.99*	
32 31 13 13-0530	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	709.12	57.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.66*	
		For 1" Mesh Fabric, Add	*233.54*	
		For 1-1/4" Mesh Fabric, Add	*150.32*	
		For 1-3/4" Mesh Fabric, Add	*93.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.71*	
		For Gate With Single Barb Wire Arm, Add	*59.06*	
		For Gate With Double Barb Wire Arm, Add	*85.90*	
32 31 13 13-0531	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	811.55	68.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.57*	
		For 1" Mesh Fabric, Add	*263.48*	
		For 1-1/4" Mesh Fabric, Add	*169.60*	
		For 1-3/4" Mesh Fabric, Add	*105.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.70*	
		For Gate With Single Barb Wire Arm, Add	*66.63*	
		For Gate With Double Barb Wire Arm, Add	*96.91*	
32 31 13 13-0532	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	912.88	79.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.47*	
		For 1" Mesh Fabric, Add	*293.42*	
		For 1-1/4" Mesh Fabric, Add	*188.87*	
		For 1-3/4" Mesh Fabric, Add	*117.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.68*	
		For Gate With Single Barb Wire Arm, Add	*74.20*	
		For Gate With Double Barb Wire Arm, Add	*107.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0533	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,015.29	90.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.38*	
		For 1" Mesh Fabric, Add	*323.36*	
		For 1-1/4" Mesh Fabric, Add	*208.14*	
		For 1-3/4" Mesh Fabric, Add	*129.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.67*	
		For Gate With Single Barb Wire Arm, Add	*81.77*	
		For Gate With Double Barb Wire Arm, Add	*118.94*	
32 31 13 13-0534	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,110.82	101.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.00*	
		For 1" Mesh Fabric, Add	*350.31*	
		For 1-1/4" Mesh Fabric, Add	*225.49*	
		For 1-3/4" Mesh Fabric, Add	*140.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.06*	
		For Gate With Single Barb Wire Arm, Add	*88.58*	
		For Gate With Double Barb Wire Arm, Add	*128.85*	
32 31 13 13-0535	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,563.28	118.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.42*	
		For 1" Mesh Fabric, Add	*525.28*	
		For 1-1/4" Mesh Fabric, Add	*338.11*	
		For 1-3/4" Mesh Fabric, Add	*210.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.06*	
		For Gate With Single Barb Wire Arm, Add	*132.83*	
		For Gate With Double Barb Wire Arm, Add	*193.21*	
32 31 13 13-0536	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,871.40	127.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.07*	
		For 1" Mesh Fabric, Add	*647.45*	
		For 1-1/4" Mesh Fabric, Add	*416.75*	
		For 1-3/4" Mesh Fabric, Add	*258.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.49*	
		For Gate With Single Barb Wire Arm, Add	*163.72*	
		For Gate With Double Barb Wire Arm, Add	*238.14*	
32 31 13 13-0537	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,152.98	138.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-325.84*	
		For 1" Mesh Fabric, Add	*755.95*	
		For 1-1/4" Mesh Fabric, Add	*486.59*	
		For 1-3/4" Mesh Fabric, Add	*302.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-151.19*	
		For Gate With Single Barb Wire Arm, Add	*191.16*	
		For Gate With Double Barb Wire Arm, Add	*278.05*	
32 31 13 13-0538	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,438.42	150.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-372.30*	
		For 1" Mesh Fabric, Add	*863.74*	
		For 1-1/4" Mesh Fabric, Add	*555.97*	
		For 1-3/4" Mesh Fabric, Add	*345.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-172.75*	
		For Gate With Single Barb Wire Arm, Add	*218.42*	
		For Gate With Double Barb Wire Arm, Add	*317.70*	
32 31 13 13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,728.28	165.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.14*	
		For 1" Mesh Fabric, Add	*970.09*	
		For 1-1/4" Mesh Fabric, Add	*624.43*	
		For 1-3/4" Mesh Fabric, Add	*388.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.02*	
		For Gate With Single Barb Wire Arm, Add	*245.31*	
		For Gate With Double Barb Wire Arm, Add	*356.81*	
32 31 13 13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,030.98	184.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-464.60*	
		For 1" Mesh Fabric, Add	*1,077.88*	
		For 1-1/4" Mesh Fabric, Add	*693.81*	
		For 1-3/4" Mesh Fabric, Add	*431.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.58*	
		For Gate With Single Barb Wire Arm, Add	*272.57*	
		For Gate With Double Barb Wire Arm, Add	*396.46*	
32 31 13 13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,348.42	207.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-511.06*	
		For 1" Mesh Fabric, Add	*1,185.67*	
		For 1-1/4" Mesh Fabric, Add	*763.19*	
		For 1-3/4" Mesh Fabric, Add	*474.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.13*	
		For Gate With Single Barb Wire Arm, Add	*299.82*	
		For Gate With Double Barb Wire Arm, Add	*436.11*	
32 31 13 13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,684.72	236.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.52*	
		For 1" Mesh Fabric, Add	*1,293.46*	
		For 1-1/4" Mesh Fabric, Add	*832.57*	
		For 1-3/4" Mesh Fabric, Add	*517.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.69*	
		For Gate With Single Barb Wire Arm, Add	*327.08*	
		For Gate With Double Barb Wire Arm, Add	*475.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,059.83	276.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-605.53*	
		For 1" Mesh Fabric, Add	*1,404.83*	
		For 1-1/4" Mesh Fabric, Add	*904.26*	
		For 1-3/4" Mesh Fabric, Add	*561.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.97*	
		For Gate With Single Barb Wire Arm, Add	*355.25*	
		For Gate With Double Barb Wire Arm, Add	*516.72*	
32 31 13 13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,472.81	331.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-651.99*	
		For 1" Mesh Fabric, Add	*1,512.62*	
		For 1-1/4" Mesh Fabric, Add	*973.64*	
		For 1-3/4" Mesh Fabric, Add	*605.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-302.52*	
		For Gate With Single Barb Wire Arm, Add	*382.50*	
		For Gate With Double Barb Wire Arm, Add	*556.37*	
32 31 13 13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,970.58	414.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-698.45*	
		For 1" Mesh Fabric, Add	*1,620.41*	
		For 1-1/4" Mesh Fabric, Add	*1,043.02*	
		For 1-3/4" Mesh Fabric, Add	*648.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.08*	
		For Gate With Single Barb Wire Arm, Add	*409.76*	
		For Gate With Double Barb Wire Arm, Add	*596.01*	

32 31 13 13-0546 Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0263)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0642 for additonal gate accessories, 32 31 13 13-0724 for gate repacement parts.

32 31 13 13-0547 4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0548	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,105.18	409.34
		For 1" Mesh Fabric, Add	*994.60*	
		For 1-1/4" Mesh Fabric, Add	*640.20*	
		For 1-3/4" Mesh Fabric, Add	*397.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-198.92*	
		For Gate With Barb Wire Arm, Add	*251.51*	
		For Vinyl Coated, Add	*685.93*	
32 31 13 13-0549	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,732.03	494.22
		For 1" Mesh Fabric, Add	*1,193.52*	
		For 1-1/4" Mesh Fabric, Add	*768.24*	
		For 1-3/4" Mesh Fabric, Add	*477.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.70*	
		For Gate With Barb Wire Arm, Add	*301.81*	
		For Vinyl Coated, Add	*823.12*	
32 31 13 13-0550	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,354.26	576.56
		For 1" Mesh Fabric, Add	*1,392.44*	
		For 1-1/4" Mesh Fabric, Add	*896.29*	
		For 1-3/4" Mesh Fabric, Add	*556.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-278.49*	
		For Gate With Barb Wire Arm, Add	*352.11*	
		For Vinyl Coated, Add	*960.31*	
32 31 13 13-0551	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,983.66	662.69
		For 1" Mesh Fabric, Add	*1,591.36*	
		For 1-1/4" Mesh Fabric, Add	*1,024.33*	
		For 1-3/4" Mesh Fabric, Add	*636.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-318.27*	
		For Gate With Barb Wire Arm, Add	*402.41*	
		For Vinyl Coated, Add	*1,097.49*	
32 31 13 13-0552	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,606.67	745.55
		For 1" Mesh Fabric, Add	*1,790.29*	
		For 1-1/4" Mesh Fabric, Add	*1,152.37*	
		For 1-3/4" Mesh Fabric, Add	*716.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-358.06*	
		For Gate With Barb Wire Arm, Add	*452.72*	
		For Vinyl Coated, Add	*1,234.68*	
32 31 13 13-0553	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,214.37	820.71
		For 1" Mesh Fabric, Add	*1,989.21*	
		For 1-1/4" Mesh Fabric, Add	*1,280.41*	
		For 1-3/4" Mesh Fabric, Add	*795.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.84*	
		For Gate With Barb Wire Arm, Add	*503.02*	
		For Vinyl Coated, Add	*1,371.87*	
32 31 13 13-0554	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,423.80	988.30
		For 1" Mesh Fabric, Add	*2,369.53*	
		For 1-1/4" Mesh Fabric, Add	*1,525.22*	
		For 1-3/4" Mesh Fabric, Add	*947.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-473.91*	
		For Gate With Barb Wire Arm, Add	*599.19*	
		For Vinyl Coated, Add	*1,634.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0555	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	10,590.29	1,865.49
		For 1" Mesh Fabric, Add	*2,983.81*	
		For 1-1/4" Mesh Fabric, Add	*1,920.61*	
		For 1-3/4" Mesh Fabric, Add	*1,193.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-596.76*	
		For Gate With Barb Wire Arm, Add	*754.53*	
		For Vinyl Coated, Add	*2,057.80*	
32 31 13 13-0556	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,120.40	2,487.33
		For 1" Mesh Fabric, Add	*3,978.41*	
		For 1-1/4" Mesh Fabric, Add	*2,560.82*	
		For 1-3/4" Mesh Fabric, Add	*1,591.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-795.68*	
		For Gate With Barb Wire Arm, Add	*1,006.03*	
		For Vinyl Coated, Add	*2,743.73*	
32 31 13 13-0557		5' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*		
32 31 13 13-0558	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,244.70	445.54
		For 1" Mesh Fabric, Add	*1,023.83*	
		For 1-1/4" Mesh Fabric, Add	*659.02*	
		For 1-3/4" Mesh Fabric, Add	*409.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-204.77*	
		For Gate With Barb Wire Arm, Add	*258.90*	
		For Vinyl Coated, Add	*706.09*	
32 31 13 13-0559	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,892.39	534.06
		For 1" Mesh Fabric, Add	*1,228.60*	
		For 1-1/4" Mesh Fabric, Add	*790.82*	
		For 1-3/4" Mesh Fabric, Add	*491.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-245.72*	
		For Gate With Barb Wire Arm, Add	*310.68*	
		For Vinyl Coated, Add	*847.31*	
32 31 13 13-0560	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,540.91	622.97
		For 1" Mesh Fabric, Add	*1,433.37*	
		For 1-1/4" Mesh Fabric, Add	*922.63*	
		For 1-3/4" Mesh Fabric, Add	*573.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-286.67*	
		For Gate With Barb Wire Arm, Add	*362.46*	
		For Vinyl Coated, Add	*988.53*	
32 31 13 13-0561	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,189.96	712.13
		For 1" Mesh Fabric, Add	*1,638.14*	
		For 1-1/4" Mesh Fabric, Add	*1,054.43*	
		For 1-3/4" Mesh Fabric, Add	*655.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.63*	
		For Gate With Barb Wire Arm, Add	*414.24*	
		For Vinyl Coated, Add	*1,129.75*	
32 31 13 13-0562	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,838.41	800.91
		For 1" Mesh Fabric, Add	*1,842.90*	
		For 1-1/4" Mesh Fabric, Add	*1,186.23*	
		For 1-3/4" Mesh Fabric, Add	*737.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-368.58*	
		For Gate With Barb Wire Arm, Add	*466.02*	
		For Vinyl Coated, Add	*1,270.97*	
32 31 13 13-0563	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,487.19	889.93
		For 1" Mesh Fabric, Add	*2,047.67*	
		For 1-1/4" Mesh Fabric, Add	*1,318.04*	
		For 1-3/4" Mesh Fabric, Add	*819.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-409.53*	
		For Gate With Barb Wire Arm, Add	*517.80*	
		For Vinyl Coated, Add	*1,412.18*	
32 31 13 13-0564	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,745.61	1,069.14
		For 1" Mesh Fabric, Add	*2,439.18*	
		For 1-1/4" Mesh Fabric, Add	*1,570.04*	
		For 1-3/4" Mesh Fabric, Add	*975.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-487.84*	
		For Gate With Barb Wire Arm, Add	*616.80*	
		For Vinyl Coated, Add	*1,682.19*	
32 31 13 13-0565	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,731.26	1,335.21
		For 1" Mesh Fabric, Add	*3,071.50*	
		For 1-1/4" Mesh Fabric, Add	*1,977.06*	
		For 1-3/4" Mesh Fabric, Add	*1,228.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-614.30*	
		For Gate With Barb Wire Arm, Add	*776.70*	
		For Vinyl Coated, Add	*2,118.28*	
32 31 13 13-0566	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	12,974.38	1,779.87
		For 1" Mesh Fabric, Add	*4,095.33*	
		For 1-1/4" Mesh Fabric, Add	*2,636.08*	
		For 1-3/4" Mesh Fabric, Add	*1,638.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-819.07*	
		For Gate With Barb Wire Arm, Add	*1,035.60*	
		For Vinyl Coated, Add	*2,824.37*	
32 31 13 13-0567		6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0568	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,445.26	522.34
		For 1" Mesh Fabric, Add	*1,044.30*	
		For 1-1/4" Mesh Fabric, Add	*672.19*	
		For 1-3/4" Mesh Fabric, Add	*417.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-208.86*	
		For Gate With Barb Wire Arm, Add	*264.07*	
		For Vinyl Coated, Add	*720.20*	
32 31 13 13-0569	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,130.64	624.86
		For 1" Mesh Fabric, Add	*1,253.16*	
		For 1-1/4" Mesh Fabric, Add	*806.63*	
		For 1-3/4" Mesh Fabric, Add	*501.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-250.63*	
		For Gate With Barb Wire Arm, Add	*316.89*	
		For Vinyl Coated, Add	*864.25*	
32 31 13 13-0570	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,818.83	728.89
		For 1" Mesh Fabric, Add	*1,462.01*	
		For 1-1/4" Mesh Fabric, Add	*941.07*	
		For 1-3/4" Mesh Fabric, Add	*584.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-292.40*	
		For Gate With Barb Wire Arm, Add	*369.70*	
		For Vinyl Coated, Add	*1,008.29*	
32 31 13 13-0571	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,507.52	833.19
		For 1" Mesh Fabric, Add	*1,670.87*	
		For 1-1/4" Mesh Fabric, Add	*1,075.51*	
		For 1-3/4" Mesh Fabric, Add	*668.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-334.17*	
		For Gate With Barb Wire Arm, Add	*422.52*	
		For Vinyl Coated, Add	*1,152.33*	
32 31 13 13-0572	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,195.72	937.22
		For 1" Mesh Fabric, Add	*1,879.73*	
		For 1-1/4" Mesh Fabric, Add	*1,209.94*	
		For 1-3/4" Mesh Fabric, Add	*751.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-375.95*	
		For Gate With Barb Wire Arm, Add	*475.33*	
		For Vinyl Coated, Add	*1,296.37*	
32 31 13 13-0573	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,890.94	1,044.80
		For 1" Mesh Fabric, Add	*2,088.59*	
		For 1-1/4" Mesh Fabric, Add	*1,344.38*	
		For 1-3/4" Mesh Fabric, Add	*835.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-417.72*	
		For Gate With Barb Wire Arm, Add	*528.15*	
		For Vinyl Coated, Add	*1,440.41*	
32 31 13 13-0574	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,219.00	1,249.85
		For 1" Mesh Fabric, Add	*2,487.93*	
		For 1-1/4" Mesh Fabric, Add	*1,601.42*	
		For 1-3/4" Mesh Fabric, Add	*995.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-497.59*	
		For Gate With Barb Wire Arm, Add	*629.13*	
		For Vinyl Coated, Add	*1,715.81*	
32 31 13 13-0575	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,327.36	1,562.72
		For 1" Mesh Fabric, Add	*3,132.89*	
		For 1-1/4" Mesh Fabric, Add	*2,016.57*	
		For 1-3/4" Mesh Fabric, Add	*1,253.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-626.58*	
		For Gate With Barb Wire Arm, Add	*792.22*	
		For Vinyl Coated, Add	*2,160.61*	
32 31 13 13-0576	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	13,768.09	2,082.66
		For 1" Mesh Fabric, Add	*4,177.18*	
		For 1-1/4" Mesh Fabric, Add	*2,688.76*	
		For 1-3/4" Mesh Fabric, Add	*1,670.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-835.44*	
		For Gate With Barb Wire Arm, Add	*1,056.30*	
		For Vinyl Coated, Add	*2,880.82*	

32 31 13 13-0577 7' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0578	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,659.99	582.62
		For 1" Mesh Fabric, Add	*1,085.22*	
		For 1-1/4" Mesh Fabric, Add	*698.53*	
		For 1-3/4" Mesh Fabric, Add	*434.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.04*	
		For Gate With Barb Wire Arm, Add	*274.42*	
		For Vinyl Coated, Add	*748.43*	
32 31 13 13-0579	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,391.11	698.63
		For 1" Mesh Fabric, Add	*1,302.30*	
		For 1-1/4" Mesh Fabric, Add	*838.26*	
		For 1-3/4" Mesh Fabric, Add	*520.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-260.46*	
		For Gate With Barb Wire Arm, Add	*329.32*	
		For Vinyl Coated, Add	*898.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0580	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,124.04	815.65
		For 1" Mesh Fabric, Add	*1,519.30*	
		For 1-1/4" Mesh Fabric, Add	*977.94*	
		For 1-3/4" Mesh Fabric, Add	*607.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-303.86*	
		For Gate With Barb Wire Arm, Add	*384.19*	
		For Vinyl Coated, Add	*1,047.80*	
32 31 13 13-0581	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,855.03	931.68
		For 1" Mesh Fabric, Add	*1,736.35*	
		For 1-1/4" Mesh Fabric, Add	*1,117.65*	
		For 1-3/4" Mesh Fabric, Add	*694.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-347.27*	
		For Gate With Barb Wire Arm, Add	*439.08*	
		For Vinyl Coated, Add	*1,197.49*	
32 31 13 13-0582	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,587.09	1,048.32
		For 1" Mesh Fabric, Add	*1,953.39*	
		For 1-1/4" Mesh Fabric, Add	*1,257.36*	
		For 1-3/4" Mesh Fabric, Add	*781.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.68*	
		For Gate With Barb Wire Arm, Add	*493.96*	
		For Vinyl Coated, Add	*1,347.17*	
32 31 13 13-0583	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,318.37	1,164.47
		For 1" Mesh Fabric, Add	*2,170.45*	
		For 1-1/4" Mesh Fabric, Add	*1,397.07*	
		For 1-3/4" Mesh Fabric, Add	*868.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-434.09*	
		For Gate With Barb Wire Arm, Add	*548.85*	
		For Vinyl Coated, Add	*1,496.86*	
32 31 13 13-0584	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	8,738.11	1,397.26
		For 1" Mesh Fabric, Add	*2,585.42*	
		For 1-1/4" Mesh Fabric, Add	*1,664.18*	
		For 1-3/4" Mesh Fabric, Add	*1,034.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-517.08*	
		For Gate With Barb Wire Arm, Add	*653.79*	
		For Vinyl Coated, Add	*1,783.05*	
32 31 13 13-0585	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	10,977.53	1,746.58
		For 1" Mesh Fabric, Add	*3,255.66*	
		For 1-1/4" Mesh Fabric, Add	*2,095.60*	
		For 1-3/4" Mesh Fabric, Add	*1,302.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-651.13*	
		For Gate With Barb Wire Arm, Add	*823.27*	
		For Vinyl Coated, Add	*2,245.28*	
32 31 13 13-0586	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	14,636.71	2,328.81
		For 1" Mesh Fabric, Add	*4,340.88*	
		For 1-1/4" Mesh Fabric, Add	*2,794.13*	
		For 1-3/4" Mesh Fabric, Add	*1,736.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-868.18*	
		For Gate With Barb Wire Arm, Add	*1,097.69*	
		For Vinyl Coated, Add	*2,993.71*	
32 31 13 13-0587		8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*		
32 31 13 13-0588	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,831.02	631.16
		For 1" Mesh Fabric, Add	*1,117.38*	
		For 1-1/4" Mesh Fabric, Add	*719.23*	
		For 1-3/4" Mesh Fabric, Add	*446.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-223.48*	
		For Gate With Barb Wire Arm, Add	*282.56*	
		For Vinyl Coated, Add	*770.61*	
32 31 13 13-0589	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,593.58	755.63
		For 1" Mesh Fabric, Add	*1,340.85*	
		For 1-1/4" Mesh Fabric, Add	*863.08*	
		For 1-3/4" Mesh Fabric, Add	*536.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-268.17*	
		For Gate With Barb Wire Arm, Add	*339.07*	
		For Vinyl Coated, Add	*924.73*	
32 31 13 13-0590	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,359.26	881.61
		For 1" Mesh Fabric, Add	*1,564.32*	
		For 1-1/4" Mesh Fabric, Add	*1,006.92*	
		For 1-3/4" Mesh Fabric, Add	*625.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.86*	
		For Gate With Barb Wire Arm, Add	*395.58*	
		For Vinyl Coated, Add	*1,078.84*	
32 31 13 13-0591	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,125.17	1,007.60
		For 1" Mesh Fabric, Add	*1,787.80*	
		For 1-1/4" Mesh Fabric, Add	*1,150.77*	
		For 1-3/4" Mesh Fabric, Add	*715.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-357.56*	
		For Gate With Barb Wire Arm, Add	*452.09*	
		For Vinyl Coated, Add	*1,232.96*	
32 31 13 13-0592	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,889.68	1,133.07
		For 1" Mesh Fabric, Add	*2,011.27*	
		For 1-1/4" Mesh Fabric, Add	*1,294.61*	
		For 1-3/4" Mesh Fabric, Add	*804.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-402.25*	
		For Gate With Barb Wire Arm, Add	*508.60*	
		For Vinyl Coated, Add	*1,387.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0593	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,655.70	1,259.17
		For 1" Mesh Fabric, Add	*2,234.75*	
		For 1-1/4" Mesh Fabric, Add	*1,438.46*	
		For 1-3/4" Mesh Fabric, Add	*893.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-446.95*	
		For Gate With Barb Wire Arm, Add	*565.11*	
		For Vinyl Coated, Add	*1,541.21*	
32 31 13 13-0594	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,141.92	1,511.14
		For 1" Mesh Fabric, Add	*2,662.03*	
		For 1-1/4" Mesh Fabric, Add	*1,713.49*	
		For 1-3/4" Mesh Fabric, Add	*1,064.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-532.41*	
		For Gate With Barb Wire Arm, Add	*673.16*	
		For Vinyl Coated, Add	*1,835.88*	
32 31 13 13-0595	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,484.52	1,889.21
		For 1" Mesh Fabric, Add	*3,352.13*	
		For 1-1/4" Mesh Fabric, Add	*2,157.69*	
		For 1-3/4" Mesh Fabric, Add	*1,340.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-670.43*	
		For Gate With Barb Wire Arm, Add	*847.66*	
		For Vinyl Coated, Add	*2,311.81*	
32 31 13 13-0596	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,306.90	2,517.09
		For 1" Mesh Fabric, Add	*4,469.49*	
		For 1-1/4" Mesh Fabric, Add	*2,876.92*	
		For 1-3/4" Mesh Fabric, Add	*1,787.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-893.90*	
		For Gate With Barb Wire Arm, Add	*1,130.22*	
		For Vinyl Coated, Add	*3,082.41*	

32 31 13 13-0597 9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*

32 31 13 13-0598	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,033.12	688.54
		For 1" Mesh Fabric, Add	*1,155.37*	
		For 1-1/4" Mesh Fabric, Add	*743.69*	
		For 1-3/4" Mesh Fabric, Add	*462.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-231.07*	
		For Gate With Barb Wire Arm, Add	*292.16*	
		For Vinyl Coated, Add	*796.81*	
32 31 13 13-0599	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,834.62	823.73
		For 1" Mesh Fabric, Add	*1,386.45*	
		For 1-1/4" Mesh Fabric, Add	*892.43*	
		For 1-3/4" Mesh Fabric, Add	*554.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-277.29*	
		For Gate With Barb Wire Arm, Add	*350.60*	
		For Vinyl Coated, Add	*956.17*	
32 31 13 13-0600	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,640.09	960.80
		For 1" Mesh Fabric, Add	*1,617.53*	
		For 1-1/4" Mesh Fabric, Add	*1,041.17*	
		For 1-3/4" Mesh Fabric, Add	*647.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-323.51*	
		For Gate With Barb Wire Arm, Add	*409.03*	
		For Vinyl Coated, Add	*1,115.54*	
32 31 13 13-0601	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,446.63	1,098.52
		For 1" Mesh Fabric, Add	*1,848.60*	
		For 1-1/4" Mesh Fabric, Add	*1,189.90*	
		For 1-3/4" Mesh Fabric, Add	*739.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-369.72*	
		For Gate With Barb Wire Arm, Add	*467.46*	
		For Vinyl Coated, Add	*1,274.90*	
32 31 13 13-0602	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,252.33	1,235.72
		For 1" Mesh Fabric, Add	*2,079.67*	
		For 1-1/4" Mesh Fabric, Add	*1,338.64*	
		For 1-3/4" Mesh Fabric, Add	*831.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-415.93*	
		For Gate With Barb Wire Arm, Add	*525.89*	
		For Vinyl Coated, Add	*1,434.26*	
32 31 13 13-0603	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,058.01	1,372.93
		For 1" Mesh Fabric, Add	*2,310.75*	
		For 1-1/4" Mesh Fabric, Add	*1,487.38*	
		For 1-3/4" Mesh Fabric, Add	*924.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-462.15*	
		For Gate With Barb Wire Arm, Add	*584.33*	
		For Vinyl Coated, Add	*1,593.62*	
32 31 13 13-0604	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,622.47	1,647.33
		For 1" Mesh Fabric, Add	*2,752.56*	
		For 1-1/4" Mesh Fabric, Add	*1,771.76*	
		For 1-3/4" Mesh Fabric, Add	*1,101.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-550.51*	
		For Gate With Barb Wire Arm, Add	*696.05*	
		For Vinyl Coated, Add	*1,898.32*	
32 31 13 13-0605	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	12,085.87	2,058.94
		For 1" Mesh Fabric, Add	*3,466.12*	
		For 1-1/4" Mesh Fabric, Add	*2,231.07*	
		For 1-3/4" Mesh Fabric, Add	*1,386.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-693.22*	
		For Gate With Barb Wire Arm, Add	*876.49*	
		For Vinyl Coated, Add	*2,390.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0606	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	16,119.00	2,747.49
		For 1" Mesh Fabric, Add	*4,621.51*	
		For 1-1/4" Mesh Fabric, Add	*2,974.76*	
		For 1-3/4" Mesh Fabric, Add	*1,848.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-924.30*	
		For Gate With Barb Wire Arm, Add	*1,168.66*	
		For Vinyl Coated, Add	*3,187.25*	
32 31 13 13-0607		10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0546)*		
32 31 13 13-0608	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,285.07	757.39
		For 1" Mesh Fabric, Add	*1,205.07*	
		For 1-1/4" Mesh Fabric, Add	*775.68*	
		For 1-3/4" Mesh Fabric, Add	*482.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-241.01*	
		For Gate With Barb Wire Arm, Add	*304.73*	
		For Vinyl Coated, Add	*831.08*	
32 31 13 13-0609	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,142.09	908.85
		For 1" Mesh Fabric, Add	*1,446.08*	
		For 1-1/4" Mesh Fabric, Add	*930.81*	
		For 1-3/4" Mesh Fabric, Add	*578.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-289.22*	
		For Gate With Barb Wire Arm, Add	*365.68*	
		For Vinyl Coated, Add	*997.30*	
32 31 13 13-0610	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,999.61	1,060.56
		For 1" Mesh Fabric, Add	*1,687.10*	
		For 1-1/4" Mesh Fabric, Add	*1,085.95*	
		For 1-3/4" Mesh Fabric, Add	*674.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.42*	
		For Gate With Barb Wire Arm, Add	*426.62*	
		For Vinyl Coated, Add	*1,163.52*	
32 31 13 13-0611	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,856.42	1,212.01
		For 1" Mesh Fabric, Add	*1,928.12*	
		For 1-1/4" Mesh Fabric, Add	*1,241.09*	
		For 1-3/4" Mesh Fabric, Add	*771.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-385.62*	
		For Gate With Barb Wire Arm, Add	*487.57*	
		For Vinyl Coated, Add	*1,329.74*	
32 31 13 13-0612	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,713.11	1,363.34
		For 1" Mesh Fabric, Add	*2,169.12*	
		For 1-1/4" Mesh Fabric, Add	*1,396.21*	
		For 1-3/4" Mesh Fabric, Add	*867.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-433.82*	
		For Gate With Barb Wire Arm, Add	*548.51*	
		For Vinyl Coated, Add	*1,495.94*	
32 31 13 13-0613	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,570.13	1,514.80
		For 1" Mesh Fabric, Add	*2,410.13*	
		For 1-1/4" Mesh Fabric, Add	*1,551.35*	
		For 1-3/4" Mesh Fabric, Add	*964.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-482.03*	
		For Gate With Barb Wire Arm, Add	*609.46*	
		For Vinyl Coated, Add	*1,662.16*	
32 31 13 13-0614	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,236.70	1,818.45
		For 1" Mesh Fabric, Add	*2,870.95*	
		For 1-1/4" Mesh Fabric, Add	*1,847.97*	
		For 1-3/4" Mesh Fabric, Add	*1,148.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-574.19*	
		For Gate With Barb Wire Arm, Add	*725.99*	
		For Vinyl Coated, Add	*1,979.96*	
32 31 13 13-0615	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	12,855.20	2,272.19
		For 1" Mesh Fabric, Add	*3,615.20*	
		For 1-1/4" Mesh Fabric, Add	*2,327.03*	
		For 1-3/4" Mesh Fabric, Add	*1,446.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-723.04*	
		For Gate With Barb Wire Arm, Add	*914.19*	
		For Vinyl Coated, Add	*2,493.24*	
32 31 13 13-0616	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	17,136.65	3,027.82
		For 1" Mesh Fabric, Add	*4,820.28*	
		For 1-1/4" Mesh Fabric, Add	*3,102.71*	
		For 1-3/4" Mesh Fabric, Add	*1,928.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-964.06*	
		For Gate With Barb Wire Arm, Add	*1,218.92*	
		For Vinyl Coated, Add	*3,324.33*	
32 31 13 13-0617		Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0263)*		

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0618	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	6,580.63	504.42
		For 1" Mesh Fabric, Add	*2,423.72*	
		For 1-1/4" Mesh Fabric, Add	*1,560.10*	
		For 1-3/4" Mesh Fabric, Add	*969.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-484.74*	
		For Gate With Single Barb Wire Arm, Add	*612.89*	
		For Gate With Double Barb Wire Arm, Add	*891.48*	
		For Aluminized Steel Gate And Post, Add	*2,674.45*	
		For Powder Coated Gate And Post, Add	*1,170.07*	
		For Vinyl Coated, Add	*1,671.53*	
32 31 13 13-0619	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	7,212.13	630.53
		For 1" Mesh Fabric, Add	*2,588.71*	
		For 1-1/4" Mesh Fabric, Add	*1,666.30*	
		For 1-3/4" Mesh Fabric, Add	*1,035.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-517.74*	
		For Gate With Single Barb Wire Arm, Add	*654.62*	
		For Gate With Double Barb Wire Arm, Add	*952.17*	
		For Aluminized Steel Gate And Post, Add	*2,856.51*	
		For Powder Coated Gate And Post, Add	*1,249.72*	
		For Vinyl Coated, Add	*1,785.32*	
32 31 13 13-0620	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	7,848.84	756.64
		For 1" Mesh Fabric, Add	*2,755.97*	
		For 1-1/4" Mesh Fabric, Add	*1,773.96*	
		For 1-3/4" Mesh Fabric, Add	*1,102.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-551.19*	
		For Gate With Single Barb Wire Arm, Add	*696.91*	
		For Gate With Double Barb Wire Arm, Add	*1,013.69*	
		For Aluminized Steel Gate And Post, Add	*3,041.07*	
		For Powder Coated Gate And Post, Add	*1,330.47*	
		For Vinyl Coated, Add	*1,900.67*	
32 31 13 13-0621	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	9,197.99	1,008.86
		For 1" Mesh Fabric, Add	*3,123.43*	
		For 1-1/4" Mesh Fabric, Add	*2,010.48*	
		For 1-3/4" Mesh Fabric, Add	*1,249.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-624.69*	
		For Gate With Single Barb Wire Arm, Add	*789.83*	
		For Gate With Double Barb Wire Arm, Add	*1,148.85*	
		For Aluminized Steel Gate And Post, Add	*3,446.54*	
		For Powder Coated Gate And Post, Add	*1,507.86*	
		For Vinyl Coated, Add	*2,154.09*	
32 31 13 13-0622	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	8,542.58	1,008.86
		For 1" Mesh Fabric, Add	*2,838.32*	
		For 1-1/4" Mesh Fabric, Add	*1,826.97*	
		For 1-3/4" Mesh Fabric, Add	*1,135.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-567.66*	
		For Gate With Single Barb Wire Arm, Add	*717.74*	
		For Gate With Double Barb Wire Arm, Add	*1,043.98*	
		For Aluminized Steel Gate And Post, Add	*3,131.94*	
		For Powder Coated Gate And Post, Add	*1,370.22*	
		For Vinyl Coated, Add	*1,957.46*	
32 31 13 13-0623	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	9,996.55	1,324.12
		For 1" Mesh Fabric, Add	*3,196.51*	
		For 1-1/4" Mesh Fabric, Add	*2,057.53*	
		For 1-3/4" Mesh Fabric, Add	*1,278.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-639.30*	
		For Gate With Single Barb Wire Arm, Add	*808.31*	
		For Gate With Double Barb Wire Arm, Add	*1,175.73*	
		For Aluminized Steel Gate And Post, Add	*3,527.19*	
		For Powder Coated Gate And Post, Add	*1,543.15*	
		For Vinyl Coated, Add	*2,204.49*	
32 31 13 13-0624	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	13,266.18	1,639.38
		For 1" Mesh Fabric, Add	*4,344.52*	
		For 1-1/4" Mesh Fabric, Add	*2,796.47*	
		For 1-3/4" Mesh Fabric, Add	*1,737.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-868.90*	
		For Gate With Single Barb Wire Arm, Add	*1,098.61*	
		For Gate With Double Barb Wire Arm, Add	*1,597.98*	
		For Aluminized Steel Gate And Post, Add	*4,793.95*	
		For Powder Coated Gate And Post, Add	*2,097.35*	
		For Vinyl Coated, Add	*2,996.22*	
32 31 13 13-0625	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	14,931.65	1,954.65
		For 1" Mesh Fabric, Add	*4,794.72*	
		For 1-1/4" Mesh Fabric, Add	*3,086.26*	
		For 1-3/4" Mesh Fabric, Add	*1,917.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-958.94*	
		For Gate With Single Barb Wire Arm, Add	*1,212.46*	
		For Gate With Double Barb Wire Arm, Add	*1,763.57*	
		For Aluminized Steel Gate And Post, Add	*5,290.72*	
		For Powder Coated Gate And Post, Add	*2,314.69*	
		For Vinyl Coated, Add	*3,306.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0626	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	17,514.44	2,143.82
		For 1" Mesh Fabric, Add	*5,753.66*	
		For 1-1/4" Mesh Fabric, Add	*3,703.51*	
		For 1-3/4" Mesh Fabric, Add	*2,301.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,150.73*	
		For Gate With Single Barb Wire Arm, Add	*1,454.95*	
		For Gate With Double Barb Wire Arm, Add	*2,116.29*	
		For Aluminized Steel Gate And Post, Add	*6,348.87*	
		For Powder Coated Gate And Post, Add	*2,777.63*	
		For Vinyl Coated, Add	*3,968.04*	
32 31 13 13-0627	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	9,987.30	1,261.07
		For 1" Mesh Fabric, Add	*3,247.34*	
		For 1-1/4" Mesh Fabric, Add	*2,090.24*	
		For 1-3/4" Mesh Fabric, Add	*1,298.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-649.47*	
		For Gate With Single Barb Wire Arm, Add	*821.17*	
		For Gate With Double Barb Wire Arm, Add	*1,194.43*	
		For Aluminized Steel Gate And Post, Add	*3,583.28*	
		For Powder Coated Gate And Post, Add	*1,567.68*	
		For Vinyl Coated, Add	*2,239.55*	
32 31 13 13-0628	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	11,810.75	1,702.44
		For 1" Mesh Fabric, Add	*3,656.55*	
		For 1-1/4" Mesh Fabric, Add	*2,353.64*	
		For 1-3/4" Mesh Fabric, Add	*1,462.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-731.31*	
		For Gate With Single Barb Wire Arm, Add	*924.64*	
		For Gate With Double Barb Wire Arm, Add	*1,344.94*	
		For Aluminized Steel Gate And Post, Add	*4,034.81*	
		For Powder Coated Gate And Post, Add	*1,765.23*	
		For Vinyl Coated, Add	*2,521.76*	
32 31 13 13-0629	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	15,712.33	2,143.82
		For 1" Mesh Fabric, Add	*4,969.74*	
		For 1-1/4" Mesh Fabric, Add	*3,198.92*	
		For 1-3/4" Mesh Fabric, Add	*1,987.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-993.95*	
		For Gate With Single Barb Wire Arm, Add	*1,256.72*	
		For Gate With Double Barb Wire Arm, Add	*1,827.95*	
		For Aluminized Steel Gate And Post, Add	*5,483.86*	
		For Powder Coated Gate And Post, Add	*2,399.19*	
		For Vinyl Coated, Add	*3,427.41*	
32 31 13 13-0630	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	17,651.41	2,522.14
		For 1" Mesh Fabric, Add	*5,484.11*	
		For 1-1/4" Mesh Fabric, Add	*3,530.00*	
		For 1-3/4" Mesh Fabric, Add	*2,193.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,096.82*	
		For Gate With Single Barb Wire Arm, Add	*1,386.79*	
		For Gate With Double Barb Wire Arm, Add	*2,017.14*	
		For Aluminized Steel Gate And Post, Add	*6,051.43*	
		For Powder Coated Gate And Post, Add	*2,647.50*	
		For Vinyl Coated, Add	*3,782.14*	
32 31 13 13-0631	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	20,677.26	2,774.35
		For 1" Mesh Fabric, Add	*6,580.93*	
		For 1-1/4" Mesh Fabric, Add	*4,236.00*	
		For 1-3/4" Mesh Fabric, Add	*2,632.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,316.19*	
		For Gate With Single Barb Wire Arm, Add	*1,664.14*	
		For Gate With Double Barb Wire Arm, Add	*2,420.57*	
		For Aluminized Steel Gate And Post, Add	*7,261.71*	
		For Powder Coated Gate And Post, Add	*3,177.00*	
		For Vinyl Coated, Add	*4,538.57*	
32 31 13 13-0632	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate	11,424.86	1,513.28
		For 1" Mesh Fabric, Add	*3,653.26*	
		For 1-1/4" Mesh Fabric, Add	*2,351.52*	
		For 1-3/4" Mesh Fabric, Add	*1,461.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-730.65*	
		For Gate With Single Barb Wire Arm, Add	*923.81*	
		For Gate With Double Barb Wire Arm, Add	*1,343.73*	
		For Aluminized Steel Gate And Post, Add	*4,031.18*	
		For Powder Coated Gate And Post, Add	*1,763.64*	
		For Vinyl Coated, Add	*2,519.49*	
32 31 13 13-0633	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate	13,260.82	1,954.65
		For 1" Mesh Fabric, Add	*4,067.91*	
		For 1-1/4" Mesh Fabric, Add	*2,618.42*	
		For 1-3/4" Mesh Fabric, Add	*1,627.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-813.58*	
		For Gate With Single Barb Wire Arm, Add	*1,028.67*	
		For Gate With Double Barb Wire Arm, Add	*1,496.24*	
		For Aluminized Steel Gate And Post, Add	*4,488.72*	
		For Powder Coated Gate And Post, Add	*1,963.82*	
		For Vinyl Coated, Add	*2,805.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0634	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate	17,392.63	2,269.92
		For 1" Mesh Fabric, Add	*5,590.96*	
		For 1-1/4" Mesh Fabric, Add	*3,598.78*	
		For 1-3/4" Mesh Fabric, Add	*2,236.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,118.19*	
		For Gate With Single Barb Wire Arm, Add	*1,413.81*	
		For Gate With Double Barb Wire Arm, Add	*2,056.45*	
		For Aluminized Steel Gate And Post, Add	*6,169.34*	
		For Powder Coated Gate And Post, Add	*2,699.09*	
		For Vinyl Coated, Add	*3,855.84*	
32 31 13 13-0635	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate	19,479.51	2,648.24
		For 1" Mesh Fabric, Add	*6,169.62*	
		For 1-1/4" Mesh Fabric, Add	*3,971.25*	
		For 1-3/4" Mesh Fabric, Add	*2,467.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,233.92*	
		For Gate With Single Barb Wire Arm, Add	*1,560.13*	
		For Gate With Double Barb Wire Arm, Add	*2,269.28*	
		For Aluminized Steel Gate And Post, Add	*6,807.85*	
		For Powder Coated Gate And Post, Add	*2,978.44*	
		For Vinyl Coated, Add	*4,254.91*	
32 31 13 13-0636	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate	22,820.54	2,900.45
		For 1" Mesh Fabric, Add	*7,403.54*	
		For 1-1/4" Mesh Fabric, Add	*4,765.50*	
		For 1-3/4" Mesh Fabric, Add	*2,961.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,480.71*	
		For Gate With Single Barb Wire Arm, Add	*1,872.16*	
		For Gate With Double Barb Wire Arm, Add	*2,723.14*	
		For Aluminized Steel Gate And Post, Add	*8,169.43*	
		For Powder Coated Gate And Post, Add	*3,574.12*	
		For Vinyl Coated, Add	*5,105.89*	
32 31 13 13-0637	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate	13,482.84	1,702.44
		For 1" Mesh Fabric, Add	*4,383.91*	
		For 1-1/4" Mesh Fabric, Add	*2,821.83*	
		For 1-3/4" Mesh Fabric, Add	*1,753.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-876.78*	
		For Gate With Single Barb Wire Arm, Add	*1,108.58*	
		For Gate With Double Barb Wire Arm, Add	*1,612.47*	
		For Aluminized Steel Gate And Post, Add	*4,837.42*	
		For Powder Coated Gate And Post, Add	*2,116.37*	
		For Vinyl Coated, Add	*3,023.39*	
32 31 13 13-0638	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate	15,635.53	2,143.82
		For 1" Mesh Fabric, Add	*4,936.34*	
		For 1-1/4" Mesh Fabric, Add	*3,177.41*	
		For 1-3/4" Mesh Fabric, Add	*1,974.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-987.27*	
		For Gate With Single Barb Wire Arm, Add	*1,248.27*	
		For Gate With Double Barb Wire Arm, Add	*1,815.66*	
		For Aluminized Steel Gate And Post, Add	*5,446.99*	
		For Powder Coated Gate And Post, Add	*2,383.06*	
		For Vinyl Coated, Add	*3,404.37*	
32 31 13 13-0639	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate	20,341.50	2,459.08
		For 1" Mesh Fabric, Add	*6,709.15*	
		For 1-1/4" Mesh Fabric, Add	*4,318.54*	
		For 1-3/4" Mesh Fabric, Add	*2,683.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,341.83*	
		For Gate With Single Barb Wire Arm, Add	*1,696.57*	
		For Gate With Double Barb Wire Arm, Add	*2,467.73*	
		For Aluminized Steel Gate And Post, Add	*7,403.20*	
		For Powder Coated Gate And Post, Add	*3,238.90*	
		For Vinyl Coated, Add	*4,627.00*	
32 31 13 13-0640	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate	22,568.33	2,774.35
		For 1" Mesh Fabric, Add	*7,403.54*	
		For 1-1/4" Mesh Fabric, Add	*4,765.50*	
		For 1-3/4" Mesh Fabric, Add	*2,961.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,480.71*	
		For Gate With Single Barb Wire Arm, Add	*1,872.16*	
		For Gate With Double Barb Wire Arm, Add	*2,723.14*	
		For Aluminized Steel Gate And Post, Add	*8,169.43*	
		For Powder Coated Gate And Post, Add	*3,574.12*	
		For Vinyl Coated, Add	*5,105.89*	
32 31 13 13-0641	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate	25,594.18	3,026.56
		For 1" Mesh Fabric, Add	*8,500.36*	
		For 1-1/4" Mesh Fabric, Add	*5,471.50*	
		For 1-3/4" Mesh Fabric, Add	*3,400.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,700.07*	
		For Gate With Single Barb Wire Arm, Add	*2,149.52*	
		For Gate With Double Barb Wire Arm, Add	*3,126.57*	
		For Aluminized Steel Gate And Post, Add	*9,379.71*	
		For Powder Coated Gate And Post, Add	*4,103.62*	
		For Vinyl Coated, Add	*5,862.32*	

32 31 13 13-0642 Gate Accessories *(32 31 13 13-0263)*

32 31 13 13-0643	EA	Gate Center Stop, Cast Steel, Ground	44.06	
32 31 13 13-0644	EA	Gate Latch, Malleable Galvanized Steel	57.93	
32 31 13 13-0645	EA	Gate Keeper, Full Length, Galvanized Steel	268.32	
32 31 13 13-0646	EA	Gate Keeper Hold-Open For Cantilever Gate	110.06	20.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0647	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	62.39	
32 31 13 13-0648	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,140.99	
32 31 13 13-0649	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,223.01	
32 31 13 13-0650	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,305.03	
32 31 13 13-0651	LF	Aluminum V-Groove Gate Track	60.34	11.80
32 31 13 13-0652	LF	Galvanized Steel V-Groove Gate Track	45.84	11.80
32 31 13 13-0653		**Vertical-Pivot Lift Gate** *(32 31 13 13-0263)*		
		Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0654	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	25,511.96	945.80
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0655	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	25,890.28	1,134.96
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0656	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	26,268.60	1,324.12
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0657	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	26,943.10	1,513.28
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0658	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	27,602.79	1,702.44
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0659	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	26,656.99	1,229.54
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0660	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	27,035.31	1,418.70
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0661	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	27,413.63	1,607.86
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0662	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	27,954.84	1,797.02
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0663	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	28,747.82	1,986.18
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0664		**Accessories** *(32 31 13 13)*		
32 31 13 13-0665		**Barbed And Concertina Wire** *(32 31 13 13-0664)*		
32 31 13 13-0666		**Single Strand Barbed Wire** *(32 31 13 13-0665)*		
32 31 13 13-0667	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand	1.17	0.55
		Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
		For >500 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0668	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.20	0.55
		For >500 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0669	LF	Vinyl Coated Barbed Wire (Fused), Per Strand	1.27	0.55
		Note: Includes clips.		
		For >500 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0670	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm	14.23	8.67
32 31 13 13-0671	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm	22.75	10.40
32 31 13 13-0672	EA	Barbed Wire Eye Tops (For Single Strand)	13.08	8.67
32 31 13 13-0673		**Galvanized Steel Concertina (Razor) Wire, Single Coil** *(32 31 13 13-0665)*		
32 31 13 13-0674	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.57	0.76
		For >500 To 1,500, Deduct	*-0.47*	
		For >1,500 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.33*	
		For Ground Installation, Deduct	*-0.54*	
		For Double Coil (Helix), Add	*4.49*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0675	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	8.42	0.76
		For >500 To 1,500, Deduct	*-0.71*	
		For >1,500 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.01*	
		For Ground Installation, Deduct	*-0.81*	
		For Double Coil (Helix), Add	*6.80*	
32 31 13 13-0676	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	11.15	0.76
		For >500 To 1,500, Deduct	*-0.94*	
		For >1,500 To 5,000, Deduct	*-1.89*	
		For >5,000, Deduct	*-2.66*	
		For Ground Installation, Deduct	*-1.08*	
		For Double Coil (Helix), Add	*8.99*	
32 31 13 13-0677	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	9.68	0.76
		For >500 To 1,500, Deduct	*-0.79*	
		For >1,500 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-2.18*	
		For Ground Installation, Deduct	*-0.60*	
		For Double Coil (Helix), Add	*8.48*	
32 31 13 13-0678	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.62	0.76
		For >500 To 1,500, Deduct	*-1.19*	
		For >1,500 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-3.29*	
		For Ground Installation, Deduct	*-0.90*	
		For Double Coil (Helix), Add	*12.82*	
32 31 13 13-0679	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	19.31	0.76
		For >500 To 1,500, Deduct	*-1.57*	
		For >1,500 To 5,000, Deduct	*-3.14*	
		For >5,000, Deduct	*-4.34*	
		For Ground Installation, Deduct	*-1.20*	
		For Double Coil (Helix), Add	*16.92*	
32 31 13 13-0680	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	31.22	0.76
		For >500 To 1,500, Deduct	*-2.41*	
		For >1,500 To 5,000, Deduct	*-4.82*	
		For >5,000, Deduct	*-6.52*	
		For Ground Installation, Deduct	*-0.68*	
		For Double Coil (Helix), Add	*29.87*	
32 31 13 13-0681	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	47.25	0.76
		For >500 To 1,500, Deduct	*-3.65*	
		For >1,500 To 5,000, Deduct	*-7.29*	
		For >5,000, Deduct	*-9.86*	
		For Ground Installation, Deduct	*-1.02*	
		For Double Coil (Helix), Add	*45.22*	
32 31 13 13-0682	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	62.43	0.76
		For >500 To 1,500, Deduct	*-4.82*	
		For >1,500 To 5,000, Deduct	*-9.64*	
		For >5,000, Deduct	*-13.03*	
		For Ground Installation, Deduct	*-1.36*	
		For Double Coil (Helix), Add	*59.72*	

32 31 13 13-0683 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0665)*

32 31 13 13-0684	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.46	0.76
		For >500 To 1,500, Deduct	*-0.84*	
		For >1,500 To 5,000, Deduct	*-1.68*	
		For >5,000, Deduct	*-2.31*	
		For Ground Installation, Deduct	*-0.54*	
		For Double Coil (Helix), Add	*9.38*	
32 31 13 13-0685	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.83	0.76
		For >500 To 1,500, Deduct	*-1.27*	
		For >1,500 To 5,000, Deduct	*-2.54*	
		For >5,000, Deduct	*-3.49*	
		For Ground Installation, Deduct	*-0.81*	
		For Double Coil (Helix), Add	*14.21*	
32 31 13 13-0686	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.94	0.76
		For >500 To 1,500, Deduct	*-1.68*	
		For >1,500 To 5,000, Deduct	*-3.36*	
		For >5,000, Deduct	*-4.62*	
		For Ground Installation, Deduct	*-1.08*	
		For Double Coil (Helix), Add	*18.78*	
32 31 13 13-0687	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	13.83	0.76
		For >500 To 1,500, Deduct	*-1.10*	
		For >1,500 To 5,000, Deduct	*-2.20*	
		For >5,000, Deduct	*-3.01*	
		For Ground Installation, Deduct	*-0.60*	
		For Double Coil (Helix), Add	*12.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0688	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	20.91	0.76
		For >500 To 1,500, Deduct	*-1.66*	
		For >1,500 To 5,000, Deduct	*-3.32*	
		For >5,000, Deduct	*-4.54*	
		For Ground Installation, Deduct	*-0.90*	
		For Double Coil (Helix), Add	*19.11*	
32 31 13 13-0689	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	27.61	0.76
		For >500 To 1,500, Deduct	*-2.19*	
		For >1,500 To 5,000, Deduct	*-4.38*	
		For >5,000, Deduct	*-6.00*	
		For Ground Installation, Deduct	*-1.20*	
		For Double Coil (Helix), Add	*25.22*	
32 31 13 13-0690	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	46.93	0.76
		For >500 To 1,500, Deduct	*-3.59*	
		For >1,500 To 5,000, Deduct	*-7.18*	
		For >5,000, Deduct	*-9.66*	
		For Ground Installation, Deduct	*-0.68*	
		For Double Coil (Helix), Add	*45.58*	
32 31 13 13-0691	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	71.06	0.76
		For >500 To 1,500, Deduct	*-5.43*	
		For >1,500 To 5,000, Deduct	*-10.86*	
		For >5,000, Deduct	*-14.62*	
		For Ground Installation, Deduct	*-1.02*	
		For Double Coil (Helix), Add	*69.03*	
32 31 13 13-0692	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	93.86	0.76
		For >500 To 1,500, Deduct	*-7.18*	
		For >1,500 To 5,000, Deduct	*-14.35*	
		For >5,000, Deduct	*-19.31*	
		For Ground Installation, Deduct	*-1.36*	
		For Double Coil (Helix), Add	*91.15*	
32 31 13 13-0693		**Grounding For Gates** *(32 31 13 13-0664)*		
		Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0694	OPNG	Grounding For Gates (Per Opening)	489.40	
32 31 13 13-0695		**Coiled Spring Reinforcing Wire** *(32 31 13 13-0664)*		
32 31 13 13-0696		**Galvanized Steel** *(32 31 13 13-0695)*		
32 31 13 13-0697	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.28	0.55
32 31 13 13-0698		**Vinyl Coated Steel** *(32 31 13 13-0695)*		
32 31 13 13-0699	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.28	0.55
32 31 13 13-0700		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0664)*		
		Note: Only where specified.		
32 31 13 13-0701	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.74	
32 31 13 13-0702	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.51	
32 31 13 13-0703		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0664)*		
		Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0704	EA	Mounting Plate For 1-5/8" Diameter Post	48.03	
32 31 13 13-0705	EA	Mounting Plate For 2" Diameter Post	48.81	
32 31 13 13-0706	EA	Mounting Plate For 2-1/2" Diameter Post	50.20	
32 31 13 13-0707	EA	Mounting Plate For 3" Diameter Post	60.43	
32 31 13 13-0708	EA	Mounting Plate For 4" Diameter Post	69.45	
32 31 13 13-0709	EA	Mounting Plate For 6-5/8" Diameter Post	80.41	
32 31 13 13-0710	EA	Mounting Plate For 8-5/8" Diameter Post	94.76	
32 31 13 13-0711		**Tension Bar** *(32 31 13 13-0664)*		
32 31 13 13-0712	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.20	
32 31 13 13-0713	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.28	
32 31 13 13-0714	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	22.42	
32 31 13 13-0715	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	25.94	
32 31 13 13-0716	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	30.57	
32 31 13 13-0717	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	35.39	
32 31 13 13-0718	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	39.99	
32 31 13 13-0719	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	47.89	
32 31 13 13-0720	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	57.29	
32 31 13 13-0721		**Truss Rods** *(32 31 13 13-0664)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0722	LF	3/8" Diameter Truss Rods	2.32	0.61
32 31 13 13-0723		Fence And Gate Repair And Replacement *(32 31 13 13)*		
32 31 13 13-0724		Fence And Gate Parts Replacement *(32 31 13 13-0723)*		
32 31 13 13-0725	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	133.67	
32 31 13 13-0726	EA	Sliding Gate Roller Assembly Replacement	131.52	
32 31 13 13-0727	EA	Rod And Lock Gate Keeper Replacement	132.79	
32 31 13 13-0728	EA	Galvanized Gate Holdback Replacement	29.97	
32 31 13 13-0729	LF	3/8" Cross Bracing Rod Replacement	1.73	
32 31 13 13-0730	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.68	
32 31 13 13-0731	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	29.03	
32 31 13 13-0732	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	33.20	
32 31 13 13-0733	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	37.47	
32 31 13 13-0734	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	55.58	
32 31 13 13-0735	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	112.91	
32 31 13 13-0736	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	27.88	
32 31 13 13-0737	EA	3" x 2" Off Set Gate Hinge Replacement	29.11	
32 31 13 13-0738	EA	4" x 2" Off Set Gate Hinge Replacement	31.07	
32 31 13 13-0739	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	50.28	
32 31 13 13-0740	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	78.72	
32 31 13 13-0741	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	6.34	
32 31 13 13-0742	EA	2" Aluminum Die-Cast Post Cap Replacement	6.96	
32 31 13 13-0743	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	8.13	
32 31 13 13-0744	EA	3" Aluminum Die-Cast Post Cap Replacement	9.48	
32 31 13 13-0745	EA	2" Galvanized Post Cap Replacement	7.00	
32 31 13 13-0746	EA	2-1/2" Galvanized Post Cap Replacement	7.58	
32 31 13 13-0747	EA	3" Galvanized Post Cap Replacement	8.68	
32 31 13 13-0748	EA	4" Galvanized Post Cap Replacement	12.77	
32 31 13 13-0749	EA	6-5/8" Galvanized Post Cap Replacement	23.70	
32 31 13 13-0750	EA	8-5/8" Galvanized Post Cap Replacement	38.75	
32 31 13 13-0751	EA	1-5/8" Boulevard Clamp Replacement	11.71	
32 31 13 13-0752	EA	2" Boulevard Clamp Replacement	14.27	
32 31 13 13-0753	EA	2-1/2" Boulevard Clamp Replacement	16.74	
32 31 13 13-0754	EA	3" Boulevard Clamp Replacement	20.31	
32 31 13 13-0755	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.49	
32 31 13 13-0756	EA	2" Gate Brace Or End Rail Clamp Replacement	13.96	
32 31 13 13-0757	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	16.44	
32 31 13 13-0758	EA	3" Gate Brace Or End Rail Clamp Replacement	19.99	
32 31 13 13-0759	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.89	
32 31 13 13-0760	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.15	
32 31 13 13-0761	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.03	
32 31 13 13-0762	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.23	
32 31 13 13-0763	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.39	
32 31 13 13-0764	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.86	
32 31 13 13-0765	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	16.29	
32 31 13 13-0766	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	11.79	
32 31 13 13-0767		Removal And Reinstallation Of Chain Link Fences *(32 31 13 13)* Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0768	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	21.67	
32 31 13 13-0769	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	32.50	
32 31 13 13-0770		Decorative Privacy Fence *(32 31 13 13)* Note: Includes fastener clips		
32 31 13 13-0771	LF	59", Faux Ivy Leaf Decorative Privacy Fence Note: Includes faux Ivy leaves closely attached to the mesh screen. Applied to fence, railing or wall	16.98	2.10
32 31 13 13-0772		Ballfield Fencing *(32 31 13 13)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0773		Concrete Bases For Ballfield Poles, Cast In Place *(32 31 13 13-0772)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0774	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	132.16	
32 31 13 13-0775	VLF	3' Diameter Concrete Base For Ballfield Poles	154.75	
32 31 13 13-0776	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	193.64	
32 31 13 13-0777	VLF	4' Diameter Concrete Base For Ballfield Poles	227.65	
32 31 13 13-0778		Ballfield Poles *(32 31 13 13-0772)*		
32 31 13 13-0779	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,124.52	697.39
32 31 13 13-0780	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,078.37	871.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0781	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	11,584.02	1,046.08
32 31 13 13-0782	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	15,569.16	1,220.43
32 31 13 13-0783	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	20,859.18	1,394.78
32 31 13 13-0784	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	23,309.81	1,569.13
32 31 13 13-0785		**Ballfield Nylon Netting** *(32 31 13 13-0772)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0786	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.69	
32 31 13 13-0787	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.73	
32 31 13 13-0788	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.95	
32 31 13 13-0789	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.20	
32 31 13 13-0790	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.44	
32 31 13 13-0791	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.28	
32 31 13 13-0792	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.73	
32 31 13 13-0793	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.85	
32 31 13 13-0794		**Ballfield Chainlink Netting** *(32 31 13 13-0772)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0795	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.59	1.16
		For 13 Gauge Fabric, Deduct	*-0.58*	
		For 11 Gauge Fabric, Deduct	*-0.32*	
		For 6 Gauge Fabric, Add	*1.02*	
		For 1" Mesh Fabric, Add	*0.96*	
		For 1-3/4" Mesh Fabric, Add	*0.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.26*	
32 31 13 13-0796		**Ballfield Netting Accessories** *(32 31 13 13-0772)*		
32 31 13 13-0797	EA	Sliding Clip For Ballfield Netting	8.30	
32 31 13 13-0798	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	3.69	
32 31 13 13-0799	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	3.89	
32 31 13 13-0800	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.19	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		**Regulation Baseball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	13,370.57	2,196.57
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	19,284.69	2,928.77
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	24,574.27	3,416.89
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	18,759.13	2,196.57
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	27,347.68	2,928.77
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	35,214.64	3,416.89
32 31 13 33-0008		**Regulation Softball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009		**14' High Softball Backstop** *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation	11,314.95	2,193.12
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation	15,179.71	2,193.12
32 31 13 33-0012		**18' High Softball Backstop** *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation	13,209.98	2,438.15
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation	17,885.09	2,438.15
32 31 13 33-0015		**20' High Softball Backstop** *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA	20' Softball Backstop, Galvanized Regulation	14,958.99	2,570.68
32 31 13 33-0017	EA	20' Softball Backstop, Vinyl Coated Regulation	20,506.85	2,570.68
32 31 13 33-0018		**22' High Softball Backstop** *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation	17,230.64	2,648.24
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	23,900.47	2,648.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0021		24' High Softball Backstop *(32 31 13 33-0008)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation	20,507.57	3,026.56
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	28,798.10	3,026.56
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.72	1.96
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.52	1.96
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.56	1.96
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	11.27	1.96
32 31 16 00-0008		Welded Galvanized Perforated Wired Metal Screen Panel *(32 31 16)*		
32 31 16 00-0009		16 Gauge Welded Galvanized Perforated Wired Metal Screen Panel *(32 31 16 00-0008)*		
32 31 16 00-0010	EA	7' High x 30' Wide, 16 Gauge Welded Galvanized Perforated Wired Metal Screen Panel Note: 40% Open Area	10,045.66	1,150.09
32 31 16 00-0011		Galvanized Steel Welded Wire Fence Assemblies *(32 31 16)*		
32 31 16 00-0012		6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assemblies *(32 31 16 00-0011)* Note: Posts 8' on center.		
32 31 16 00-0013	LF	48" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2" Square, 16 Gauge Posts at 8' Centers	47.91	1.96
32 31 16 00-0014	LF	60" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2" Square, 16 Gauge Posts at 8' Centers	57.07	1.96
32 31 16 00-0015	LF	72" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2" Square, 16 Gauge Posts at 8' Centers	63.86	1.96
32 31 16 00-0016	LF	96" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2-1/2" Square, 16 Gauge Posts at 8' Centers	89.68	1.96
32 31 19		**Decorative Metal Fences and Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)* Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)* Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	47.95	11.92
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*8.86*	
		For Verticals Up To 2" On Center, Add	*7.72*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.82*	
		For Verticals >2-1/2" To 3" On Center, Add	*1.93*	
		For Verticals >4" To 6" On Center, Deduct	*-2.17*	
		For Pickets Extending Above Top Rail, Add	*4.21*	
		For Curved Pickets Extending Above Top Rail, Add	*9.63*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	61.24	15.16
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*11.23*	
		For Verticals Up To 2" On Center, Add	*10.23*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.39*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.56*	
		For Verticals >4" To 6" On Center, Deduct	*-2.88*	
		For Pickets Extending Above Top Rail, Add	*5.46*	
		For Curved Pickets Extending Above Top Rail, Add	*12.59*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	72.17	15.82
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*13.06*	
		For Verticals Up To 2" On Center, Add	*12.90*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.06*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.23*	
		For Verticals >4" To 6" On Center, Deduct	*-3.63*	
		For Pickets Extending Above Top Rail, Add	*6.63*	
		For Curved Pickets Extending Above Top Rail, Add	*15.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	87.30	19.07
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*15.77*	
		For Verticals Up To 2" On Center, Add	*15.71*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.82*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.93*	
		For Verticals >4" To 6" On Center, Deduct	*-4.42*	
		For Pickets Extending Above Top Rail, Add	*8.05*	
		For Curved Pickets Extending Above Top Rail, Add	*18.82*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	101.35	20.17
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*18.03*	
		For Verticals Up To 2" On Center, Add	*19.52*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.20*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.88*	
		For Verticals >4" To 6" On Center, Deduct	*-5.49*	
		For Pickets Extending Above Top Rail, Add	*9.64*	
		For Curved Pickets Extending Above Top Rail, Add	*22.85*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	115.38	21.23
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*20.28*	
		For Verticals Up To 2" On Center, Add	*23.33*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.58*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.83*	
		For Verticals >4" To 6" On Center, Deduct	*-6.56*	
		For Pickets Extending Above Top Rail, Add	*11.24*	
		For Curved Pickets Extending Above Top Rail, Add	*26.88*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	139.52	23.83
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*24.26*	
		For Verticals Up To 2" On Center, Add	*29.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.37*	
		For Verticals >2-1/2" To 3" On Center, Add	*7.35*	
		For Verticals >4" To 6" On Center, Deduct	*-8.27*	
		For Pickets Extending Above Top Rail, Add	*13.86*	
		For Curved Pickets Extending Above Top Rail, Add	*33.43*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	164.47	27.09
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*28.46*	
		For Verticals Up To 2" On Center, Add	*35.30*	
		For Verticals >2" To 2-1/2" On Center, Add	*22.06*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.82*	
		For Verticals >4" To 6" On Center, Deduct	*-9.93*	
		For Pickets Extending Above Top Rail, Add	*16.50*	
		For Curved Pickets Extending Above Top Rail, Add	*39.91*	
32 31 19 00-0011		**Wrought Iron Gates** *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0012		**Single Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	58.81	14.52
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	77.15	17.98
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	93.90	21.67
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	113.98	26.00
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	150.47	28.82
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	180.89	31.85
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	210.78	36.18
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	71.67	13.00
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	93.89	16.26
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	113.80	19.50
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	137.69	23.40
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	182.61	26.00
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	219.92	28.60
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	256.75	32.50
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	20.50	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	30.14	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	86.67	
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)*		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)*		
		Note: 6 foot long panel sections.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	77.02	11.92
		For Verticals Up To 2" On Center, Add	*10.73*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.37*	
		For Verticals >3" To 4" On Center, Deduct	*-5.37*	
		For Verticals >4" To 6" On Center, Deduct	*-10.73*	
		For Pickets Extending Above Top Rail, Add	*5.73*	
		For Curved Pickets Extending Above Top Rail, Add	*10.07*	
		For Solid Pickets, Add	*15.58*	
		For Aluminum With Satin Finish, Add	*12.59*	
		For Third Rail, Add	*4.02*	
		For 1" Square x 14 Gauge Pickets, Add	*13.42*	
		For 3" Square Posts, Add	*6.71*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	82.41	12.74
		For Verticals Up To 2" On Center, Add	*11.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.69*	
		For Verticals >3" To 4" On Center, Deduct	*-5.69*	
		For Verticals >4" To 6" On Center, Deduct	*-11.39*	
		For Pickets Extending Above Top Rail, Add	*6.11*	
		For Curved Pickets Extending Above Top Rail, Add	*10.74*	
		For Solid Pickets, Add	*16.63*	
		For Aluminum With Satin Finish, Add	*13.26*	
		For Third Rail, Add	*4.27*	
		For 1" Square x 14 Gauge Pickets, Add	*14.23*	
		For 3" Square Posts, Add	*7.12*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	87.20	14.08
		For Verticals Up To 2" On Center, Add	*11.92*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.96*	
		For Verticals >3" To 4" On Center, Deduct	*-5.96*	
		For Verticals >4" To 6" On Center, Deduct	*-11.92*	
		For Pickets Extending Above Top Rail, Add	*6.45*	
		For Curved Pickets Extending Above Top Rail, Add	*11.31*	
		For Solid Pickets, Add	*17.55*	
		For Aluminum With Satin Finish, Add	*13.74*	
		For Third Rail, Add	*4.47*	
		For 1" Square x 14 Gauge Pickets, Add	*14.90*	
		For 3" Square Posts, Add	*7.45*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	92.94	15.82
		For Verticals Up To 2" On Center, Add	*12.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.11*	
		For Verticals >3" To 4" On Center, Deduct	*-6.11*	
		For Verticals >4" To 6" On Center, Deduct	*-12.22*	
		For Pickets Extending Above Top Rail, Add	*6.79*	
		For Curved Pickets Extending Above Top Rail, Add	*11.86*	
		For Solid Pickets, Add	*18.52*	
		For Aluminum With Satin Finish, Add	*13.55*	
		For Third Rail, Add	*4.58*	
		For 1" Square x 14 Gauge Pickets, Add	*15.27*	
		For 3" Square Posts, Add	*7.64*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	107.76	17.87
		For Verticals Up To 2" On Center, Add	*14.40*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.20*	
		For Verticals >3" To 4" On Center, Deduct	*-7.20*	
		For Verticals >4" To 6" On Center, Deduct	*-14.40*	
		For Pickets Extending Above Top Rail, Add	*7.91*	
		For Curved Pickets Extending Above Top Rail, Add	*13.84*	
		For Solid Pickets, Add	*21.56*	
		For Aluminum With Satin Finish, Add	*16.24*	
		For Third Rail, Add	*5.40*	
		For 1" Square x 14 Gauge Pickets, Add	*18.00*	
		For 3" Square Posts, Add	*9.00*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	123.36	19.50
		For Verticals Up To 2" On Center, Add	*16.87*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.44*	
		For Verticals >3" To 4" On Center, Deduct	*-8.44*	
		For Verticals >4" To 6" On Center, Deduct	*-16.87*	
		For Pickets Extending Above Top Rail, Add	*9.12*	
		For Curved Pickets Extending Above Top Rail, Add	*16.00*	
		For Solid Pickets, Add	*24.83*	
		For Aluminum With Satin Finish, Add	*19.46*	
		For Third Rail, Add	*6.33*	
		For 1" Square x 14 Gauge Pickets, Add	*21.09*	
		For 4" Square Posts, Add	*29.53*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	139.18	21.23
		For Verticals Up To 2" On Center, Add	*19.34*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.67*	
		For Verticals >3" To 4" On Center, Deduct	*-9.67*	
		For Verticals >4" To 6" On Center, Deduct	*-19.34*	
		For Pickets Extending Above Top Rail, Add	*10.34*	
		For Curved Pickets Extending Above Top Rail, Add	*18.18*	
		For Solid Pickets, Add	*28.13*	
		For Aluminum With Satin Finish, Add	*22.65*	
		For Third Rail, Add	*7.25*	
		For 1" Square x 14 Gauge Pickets, Add	*24.18*	
		For 4" Square Posts, Add	*33.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	161.80	22.75
		For Verticals Up To 2" On Center, Add	*23.26*	
		For Verticals >2" To 2-1/2" On Center, Add	*11.63*	
		For Verticals >3" To 4" On Center, Deduct	*-11.63*	
		For Verticals >4" To 6" On Center, Deduct	*-23.26*	
		For Pickets Extending Above Top Rail, Add	*12.16*	
		For Curved Pickets Extending Above Top Rail, Add	*21.44*	
		For Solid Pickets, Add	*32.99*	
		For Aluminum With Satin Finish, Add	*28.07*	
		For Third Rail, Add	*8.72*	
		For 1" Square x 14 Gauge Pickets, Add	*29.08*	
		For 4" Square Posts, Add	*40.71*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	184.63	24.38
		For Verticals Up To 2" On Center, Add	*27.17*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.59*	
		For Verticals >3" To 4" On Center, Deduct	*-13.59*	
		For Verticals >4" To 6" On Center, Deduct	*-27.17*	
		For Pickets Extending Above Top Rail, Add	*13.99*	
		For Curved Pickets Extending Above Top Rail, Add	*24.72*	
		For Solid Pickets, Add	*37.88*	
		For Aluminum With Satin Finish, Add	*33.45*	
		For Third Rail, Add	*10.19*	
		For 1" Square x 14 Gauge Pickets, Add	*33.97*	
		For 6" Square Posts, Add	*47.55*	
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	217.45	27.09
		For Verticals Up To 2" On Center, Add	*32.66*	
		For Verticals >2" To 2-1/2" On Center, Add	*16.33*	
		For Verticals >3" To 4" On Center, Deduct	*-16.33*	
		For Verticals >4" To 6" On Center, Deduct	*-32.66*	
		For Pickets Extending Above Top Rail, Add	*16.59*	
		For Curved Pickets Extending Above Top Rail, Add	*29.37*	
		For Solid Pickets, Add	*44.86*	
		For Aluminum With Satin Finish, Add	*40.86*	
		For Third Rail, Add	*12.25*	
		For 1" Square x 14 Gauge Pickets, Add	*40.82*	
		For 6" Square Posts, Add	*57.15*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	232.94	29.25
		For Verticals Up To 2" On Center, Add	*34.89*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.44*	
		For Verticals >3" To 4" On Center, Deduct	*-17.44*	
		For Verticals >4" To 6" On Center, Deduct	*-34.89*	
		For Pickets Extending Above Top Rail, Add	*17.75*	
		For Curved Pickets Extending Above Top Rail, Add	*31.42*	
		For Solid Pickets, Add	*48.02*	
		For Aluminum With Satin Finish, Add	*43.55*	
		For Third Rail, Add	*13.08*	
		For 1" Square x 14 Gauge Pickets, Add	*43.61*	
		For 6" Square Posts, Add	*61.05*	
32 31 19 00-0045		**Steel Tube Swing Gates** *(32 31 19 00-0032)*		
32 31 19 00-0046		**3' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	727.33	23.07
		For Solid Pickets, Add	*158.45*	
		For Aluminum With Satin Finish, Add	*187.00*	
		For Third Rail, Add	*49.35*	
		For 1" Square x 14 Gauge Pickets, Add	*65.80*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	809.05	24.16
		For Solid Pickets, Add	*176.59*	
		For Aluminum With Satin Finish, Add	*210.05*	
		For Third Rail, Add	*55.23*	
		For 1" Square x 14 Gauge Pickets, Add	*73.65*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	895.41	25.57
		For Solid Pickets, Add	*195.70*	
		For Aluminum With Satin Finish, Add	*234.01*	
		For Third Rail, Add	*61.39*	
		For 1" Square x 14 Gauge Pickets, Add	*81.85*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	941.84	27.41
		For Solid Pickets, Add	*205.74*	
		For Aluminum With Satin Finish, Add	*245.50*	
		For Third Rail, Add	*64.46*	
		For 1" Square x 14 Gauge Pickets, Add	*85.95*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,052.59	32.82
		For Solid Pickets, Add	*229.44*	
		For Aluminum With Satin Finish, Add	*271.42*	
		For Third Rail, Add	*71.55*	
		For 1" Square x 14 Gauge Pickets, Add	*95.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,120.56	38.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*243.51*	
		For Aluminum With Satin Finish, Add	*284.49*	
		For Third Rail, Add	*75.43*	
		For 1" Square x 14 Gauge Pickets, Add	*100.57*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,223.49	43.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*265.37*	
		For Aluminum With Satin Finish, Add	*307.57*	
		For Third Rail, Add	*81.85*	
		For 1" Square x 14 Gauge Pickets, Add	*109.13*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,312.85	49.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*284.26*	
		For Aluminum With Satin Finish, Add	*327.07*	
		For Third Rail, Add	*87.33*	
		For 1" Square x 14 Gauge Pickets, Add	*116.44*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,391.51	54.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*300.74*	
		For Aluminum With Satin Finish, Add	*343.35*	
		For Third Rail, Add	*92.01*	
		For 1" Square x 14 Gauge Pickets, Add	*122.68*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,520.47	46.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*331.71*	
		For Aluminum With Satin Finish, Add	*393.74*	
		For Third Rail, Add	*103.64*	
		For 1" Square x 14 Gauge Pickets, Add	*138.18*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,619.88	48.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*353.59*	
		For Aluminum With Satin Finish, Add	*420.64*	
		For Third Rail, Add	*110.60*	
		For 1" Square x 14 Gauge Pickets, Add	*147.47*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,790.81	51.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*391.40*	
		For Aluminum With Satin Finish, Add	*468.02*	
		For Third Rail, Add	*122.77*	
		For 1" Square x 14 Gauge Pickets, Add	*163.70*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,876.48	53.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*410.26*	
		For Aluminum With Satin Finish, Add	*491.28*	
		For Third Rail, Add	*128.79*	
		For 1" Square x 14 Gauge Pickets, Add	*171.72*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,946.09	54.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*425.52*	
		For Aluminum With Satin Finish, Add	*509.73*	
		For Third Rail, Add	*133.61*	
		For 1" Square x 14 Gauge Pickets, Add	*178.14*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,190.79	65.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*478.14*	
		For Aluminum With Satin Finish, Add	*568.51*	
		For Third Rail, Add	*149.52*	
		For 1" Square x 14 Gauge Pickets, Add	*199.36*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	2,401.61	76.48
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*523.14*	
		For Aluminum With Satin Finish, Add	*617.13*	
		For Third Rail, Add	*162.90*	
		For 1" Square x 14 Gauge Pickets, Add	*217.19*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	2,578.93	88.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*560.43*	
		For Aluminum With Satin Finish, Add	*654.73*	
		For Third Rail, Add	*173.59*	
		For 1" Square x 14 Gauge Pickets, Add	*231.46*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate	2,727.34	98.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*591.39*	
		For Aluminum With Satin Finish, Add	*684.62*	
		For Third Rail, Add	*182.29*	
		For 1" Square x 14 Gauge Pickets, Add	*243.05*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate	2,849.00	109.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*616.32*	
		For Aluminum With Satin Finish, Add	*706.50*	
		For Third Rail, Add	*188.97*	
		For 1" Square x 14 Gauge Pickets, Add	*251.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate	839.90	21.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*183.49*	
		For Aluminum With Satin Finish, Add	*219.07*	
		For Third Rail, Add	*57.51*	
		For 1" Square x 14 Gauge Pickets, Add	*76.68*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate	908.58	25.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*198.74*	
		For Aluminum With Satin Finish, Add	*238.45*	
		For Third Rail, Add	*62.46*	
		For 1" Square x 14 Gauge Pickets, Add	*83.26*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate	979.99	27.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*214.40*	
		For Aluminum With Satin Finish, Add	*257.43*	
		For Third Rail, Add	*67.40*	
		For 1" Square x 14 Gauge Pickets, Add	*89.87*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate	1,038.90	28.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*227.25*	
		For Aluminum With Satin Finish, Add	*272.67*	
		For Third Rail, Add	*71.42*	
		For 1" Square x 14 Gauge Pickets, Add	*95.22*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate	1,120.43	34.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*244.30*	
		For Aluminum With Satin Finish, Add	*289.32*	
		For Third Rail, Add	*76.23*	
		For 1" Square x 14 Gauge Pickets, Add	*101.64*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate	1,230.48	40.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*267.76*	
		For Aluminum With Satin Finish, Add	*314.55*	
		For Third Rail, Add	*83.19*	
		For 1" Square x 14 Gauge Pickets, Add	*110.92*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate	1,381.56	46.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*300.45*	
		For Aluminum With Satin Finish, Add	*352.07*	
		For Third Rail, Add	*93.22*	
		For 1" Square x 14 Gauge Pickets, Add	*124.29*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate	1,529.07	52.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*332.34*	
		For Aluminum With Satin Finish, Add	*388.52*	
		For Third Rail, Add	*102.98*	
		For 1" Square x 14 Gauge Pickets, Add	*137.31*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate	1,669.44	57.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*362.62*	
		For Aluminum With Satin Finish, Add	*422.83*	
		For Third Rail, Add	*112.21*	
		For 1" Square x 14 Gauge Pickets, Add	*149.61*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,679.81	48.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*366.99*	
		For Aluminum With Satin Finish, Add	*438.13*	
		For Third Rail, Add	*115.02*	
		For 1" Square x 14 Gauge Pickets, Add	*153.36*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,817.18	50.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*397.49*	
		For Aluminum With Satin Finish, Add	*476.90*	
		For Third Rail, Add	*124.91*	
		For 1" Square x 14 Gauge Pickets, Add	*166.55*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	1,959.97	54.17
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*428.81*	
		For Aluminum With Satin Finish, Add	*514.87*	
		For Third Rail, Add	*134.81*	
		For 1" Square x 14 Gauge Pickets, Add	*179.75*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,072.38	55.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*453.69*	
		For Aluminum With Satin Finish, Add	*546.15*	
		For Third Rail, Add	*142.83*	
		For 1" Square x 14 Gauge Pickets, Add	*190.45*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,166.96	57.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*474.57*	
		For Aluminum With Satin Finish, Add	*572.09*	
		For Third Rail, Add	*149.52*	
		For 1" Square x 14 Gauge Pickets, Add	*199.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,460.18	69.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*537.94*	
		For Aluminum With Satin Finish, Add	*644.45*	
		For Third Rail, Add	*168.91*	
		For 1" Square x 14 Gauge Pickets, Add	*225.22*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,717.76	80.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*593.30*	
		For Aluminum With Satin Finish, Add	*706.12*	
		For Third Rail, Add	*185.63*	
		For 1" Square x 14 Gauge Pickets, Add	*247.51*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	2,941.44	92.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*641.02*	
		For Aluminum With Satin Finish, Add	*757.63*	
		For Third Rail, Add	*199.81*	
		For 1" Square x 14 Gauge Pickets, Add	*266.41*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,134.82	103.89
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*681.93*	
		For Aluminum With Satin Finish, Add	*800.04*	
		For Third Rail, Add	*211.71*	
		For 1" Square x 14 Gauge Pickets, Add	*282.28*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,299.65	115.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*716.42*	
		For Aluminum With Satin Finish, Add	*833.89*	
		For Third Rail, Add	*221.47*	
		For 1" Square x 14 Gauge Pickets, Add	*295.30*	
32 31 19 00-0086		**5' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	913.93	25.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*199.95*	
		For Aluminum With Satin Finish, Add	*240.06*	
		For Third Rail, Add	*62.86*	
		For 1" Square x 14 Gauge Pickets, Add	*83.81*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	963.94	27.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*210.79*	
		For Aluminum With Satin Finish, Add	*252.62*	
		For Third Rail, Add	*66.20*	
		For 1" Square x 14 Gauge Pickets, Add	*88.27*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,012.15	28.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*221.23*	
		For Aluminum With Satin Finish, Add	*264.64*	
		For Third Rail, Add	*69.41*	
		For 1" Square x 14 Gauge Pickets, Add	*92.55*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,081.77	30.66
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*236.49*	
		For Aluminum With Satin Finish, Add	*283.09*	
		For Third Rail, Add	*74.23*	
		For 1" Square x 14 Gauge Pickets, Add	*98.97*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,176.85	36.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*256.50*	
		For Aluminum With Satin Finish, Add	*303.33*	
		For Third Rail, Add	*79.98*	
		For 1" Square x 14 Gauge Pickets, Add	*106.64*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,302.27	42.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*283.34*	
		For Aluminum With Satin Finish, Add	*332.67*	
		For Third Rail, Add	*88.00*	
		For 1" Square x 14 Gauge Pickets, Add	*117.34*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,476.90	49.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*321.17*	
		For Aluminum With Satin Finish, Add	*376.28*	
		For Third Rail, Add	*99.64*	
		For 1" Square x 14 Gauge Pickets, Add	*132.85*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,646.89	55.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*358.04*	
		For Aluminum With Satin Finish, Add	*418.99*	
		For Third Rail, Add	*111.00*	
		For 1" Square x 14 Gauge Pickets, Add	*148.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,813.31	61.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*394.10*	
		For Aluminum With Satin Finish, Add	*460.63*	
		For Third Rail, Add	*122.10*	
		For 1" Square x 14 Gauge Pickets, Add	*162.81*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,797.77	42.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*395.38*	
		For Aluminum With Satin Finish, Add	*484.63*	
		For Third Rail, Add	*125.72*	
		For 1" Square x 14 Gauge Pickets, Add	*167.62*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	1,905.39	49.62
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*418.08*	
		For Aluminum With Satin Finish, Add	*507.80*	
		For Third Rail, Add	*132.27*	
		For 1" Square x 14 Gauge Pickets, Add	*176.36*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,014.22	57.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*440.96*	
		For Aluminum With Satin Finish, Add	*530.80*	
		For Third Rail, Add	*138.82*	
		For 1" Square x 14 Gauge Pickets, Add	*185.10*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,162.87	64.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*472.88*	
		For Aluminum With Satin Finish, Add	*566.28*	
		For Third Rail, Add	*148.45*	
		For 1" Square x 14 Gauge Pickets, Add	*197.94*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,293.69	71.28
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*500.80*	
		For Aluminum With Satin Finish, Add	*596.41*	
		For Third Rail, Add	*156.74*	
		For 1" Square x 14 Gauge Pickets, Add	*208.99*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,610.56	79.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*570.39*	
		For Aluminum With Satin Finish, Add	*681.28*	
		For Third Rail, Add	*178.81*	
		For 1" Square x 14 Gauge Pickets, Add	*238.41*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate	2,895.94	87.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*632.73*	
		For Aluminum With Satin Finish, Add	*755.63*	
		For Third Rail, Add	*198.34*	
		For 1" Square x 14 Gauge Pickets, Add	*264.45*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate	3,151.60	97.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*688.20*	
		For Aluminum With Satin Finish, Add	*819.99*	
		For Third Rail, Add	*215.46*	
		For 1" Square x 14 Gauge Pickets, Add	*287.27*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate	3,382.29	108.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*737.78*	
		For Aluminum With Satin Finish, Add	*875.26*	
		For Third Rail, Add	*230.43*	
		For 1" Square x 14 Gauge Pickets, Add	*307.25*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate	3,588.04	120.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*781.48*	
		For Aluminum With Satin Finish, Add	*921.43*	
		For Third Rail, Add	*243.27*	
		For 1" Square x 14 Gauge Pickets, Add	*324.36*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate	951.84	27.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*207.91*	
		For Aluminum With Satin Finish, Add	*248.01*	
		For Third Rail, Add	*65.13*	
		For 1" Square x 14 Gauge Pickets, Add	*86.84*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	1,000.75	29.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*218.59*	
		For Aluminum With Satin Finish, Add	*260.74*	
		For Third Rail, Add	*68.48*	
		For 1" Square x 14 Gauge Pickets, Add	*91.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate	1,050.44	30.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*229.38*	
		For Aluminum With Satin Finish, Add	*273.35*	
		For Third Rail, Add	*71.82*	
		For 1" Square x 14 Gauge Pickets, Add	*95.76*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate	1,111.45	32.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*242.68*	
		For Aluminum With Satin Finish, Add	*289.07*	
		For Third Rail, Add	*75.96*	
		For 1" Square x 14 Gauge Pickets, Add	*101.29*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate	1,247.94	39.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*271.85*	
		For Aluminum With Satin Finish, Add	*320.76*	
		For Third Rail, Add	*84.66*	
		For 1" Square x 14 Gauge Pickets, Add	*112.88*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate	1,393.33	46.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*303.02*	
		For Aluminum With Satin Finish, Add	*355.12*	
		For Third Rail, Add	*94.02*	
		For 1" Square x 14 Gauge Pickets, Add	*125.36*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate	1,555.49	53.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*338.04*	
		For Aluminum With Satin Finish, Add	*394.99*	
		For Third Rail, Add	*104.72*	
		For 1" Square x 14 Gauge Pickets, Add	*139.63*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate	1,711.61	59.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*371.62*	
		For Aluminum With Satin Finish, Add	*432.56*	
		For Third Rail, Add	*114.88*	
		For 1" Square x 14 Gauge Pickets, Add	*153.18*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate	1,901.58	66.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*412.82*	
		For Aluminum With Satin Finish, Add	*480.29*	
		For Third Rail, Add	*127.59*	
		For 1" Square x 14 Gauge Pickets, Add	*170.12*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate	1,867.92	45.93
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*410.45*	
		For Aluminum With Satin Finish, Add	*501.39*	
		For Third Rail, Add	*130.26*	
		For 1" Square x 14 Gauge Pickets, Add	*173.68*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	1,979.73	53.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*433.91*	
		For Aluminum With Satin Finish, Add	*524.74*	
		For Third Rail, Add	*136.95*	
		For 1" Square x 14 Gauge Pickets, Add	*182.60*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,090.34	61.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*457.19*	
		For Aluminum With Satin Finish, Add	*548.27*	
		For Third Rail, Add	*143.64*	
		For 1" Square x 14 Gauge Pickets, Add	*191.52*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,223.54	69.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*485.46*	
		For Aluminum With Satin Finish, Add	*578.04*	
		For Third Rail, Add	*151.93*	
		For 1" Square x 14 Gauge Pickets, Add	*202.57*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,431.63	77.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*530.58*	
		For Aluminum With Satin Finish, Add	*630.28*	
		For Third Rail, Add	*165.84*	
		For 1" Square x 14 Gauge Pickets, Add	*221.12*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	2,850.75	85.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*623.01*	
		For Aluminum With Satin Finish, Add	*744.75*	
		For Third Rail, Add	*195.39*	
		For 1" Square x 14 Gauge Pickets, Add	*260.53*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	2,986.33	95.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*651.37*	
		For Aluminum With Satin Finish, Add	*772.56*	
		For Third Rail, Add	*203.42*	
		For 1" Square x 14 Gauge Pickets, Add	*271.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate	3,279.46	106.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*715.00*	
		For Aluminum With Satin Finish, Add	*846.55*	
		For Third Rail, Add	*223.08*	
		For 1" Square x 14 Gauge Pickets, Add	*297.44*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,549.39	118.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*773.14*	
		For Aluminum With Satin Finish, Add	*911.98*	
		For Third Rail, Add	*240.73*	
		For 1" Square x 14 Gauge Pickets, Add	*320.98*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	3,800.92	132.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*826.79*	
		For Aluminum With Satin Finish, Add	*969.74*	
		For Third Rail, Add	*256.65*	
		For 1" Square x 14 Gauge Pickets, Add	*342.20*	
32 31 19 00-0126		**7' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,008.59	30.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*220.16*	
		For Aluminum With Satin Finish, Add	*261.97*	
		For Third Rail, Add	*68.88*	
		For 1" Square x 14 Gauge Pickets, Add	*91.84*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,059.72	31.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*231.31*	
		For Aluminum With Satin Finish, Add	*275.16*	
		For Third Rail, Add	*72.35*	
		For 1" Square x 14 Gauge Pickets, Add	*96.47*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,111.07	33.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*242.49*	
		For Aluminum With Satin Finish, Add	*288.32*	
		For Third Rail, Add	*75.83*	
		For 1" Square x 14 Gauge Pickets, Add	*101.11*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	1,162.53	34.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*253.69*	
		For Aluminum With Satin Finish, Add	*301.47*	
		For Third Rail, Add	*79.31*	
		For 1" Square x 14 Gauge Pickets, Add	*105.74*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	1,345.77	42.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*293.21*	
		For Aluminum With Satin Finish, Add	*346.20*	
		For Third Rail, Add	*91.34*	
		For 1" Square x 14 Gauge Pickets, Add	*121.79*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,513.64	49.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*329.36*	
		For Aluminum With Satin Finish, Add	*386.82*	
		For Third Rail, Add	*102.31*	
		For 1" Square x 14 Gauge Pickets, Add	*136.42*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,636.26	57.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*355.24*	
		For Aluminum With Satin Finish, Add	*413.37*	
		For Third Rail, Add	*109.80*	
		For 1" Square x 14 Gauge Pickets, Add	*146.40*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,775.62	64.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*384.97*	
		For Aluminum With Satin Finish, Add	*445.42*	
		For Third Rail, Add	*118.63*	
		For 1" Square x 14 Gauge Pickets, Add	*158.17*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	1,946.37	72.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*421.68*	
		For Aluminum With Satin Finish, Add	*486.41*	
		For Third Rail, Add	*129.73*	
		For 1" Square x 14 Gauge Pickets, Add	*172.97*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	1,977.32	49.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*434.35*	
		For Aluminum With Satin Finish, Add	*529.92*	
		For Third Rail, Add	*137.75*	
		For 1" Square x 14 Gauge Pickets, Add	*183.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,093.87	57.53
		For Solid Pickets, Add	*458.79*	
		For Aluminum With Satin Finish, Add	*554.16*	
		For Third Rail, Add	*144.71*	
		For 1" Square x 14 Gauge Pickets, Add	*192.94*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,211.63	66.31
		For Solid Pickets, Add	*483.41*	
		For Aluminum With Satin Finish, Add	*578.22*	
		For Third Rail, Add	*151.66*	
		For 1" Square x 14 Gauge Pickets, Add	*202.22*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,329.97	74.64
		For Solid Pickets, Add	*508.25*	
		For Aluminum With Satin Finish, Add	*603.00*	
		For Third Rail, Add	*158.75*	
		For 1" Square x 14 Gauge Pickets, Add	*211.67*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,624.26	83.42
		For Solid Pickets, Add	*572.58*	
		For Aluminum With Satin Finish, Add	*680.03*	
		For Third Rail, Add	*178.94*	
		For 1" Square x 14 Gauge Pickets, Add	*238.59*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,170.58	93.06
		For Solid Pickets, Add	*693.45*	
		For Aluminum With Satin Finish, Add	*831.59*	
		For Third Rail, Add	*217.86*	
		For 1" Square x 14 Gauge Pickets, Add	*290.48*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,138.57	104.33
		For Solid Pickets, Add	*683.83*	
		For Aluminum With Satin Finish, Add	*807.50*	
		For Third Rail, Add	*213.05*	
		For 1" Square x 14 Gauge Pickets, Add	*284.06*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,401.37	116.36
		For Solid Pickets, Add	*740.37*	
		For Aluminum With Satin Finish, Add	*870.80*	
		For Third Rail, Add	*230.17*	
		For 1" Square x 14 Gauge Pickets, Add	*306.89*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,715.31	130.11
		For Solid Pickets, Add	*808.06*	
		For Aluminum With Satin Finish, Add	*947.28*	
		For Third Rail, Add	*250.76*	
		For 1" Square x 14 Gauge Pickets, Add	*334.35*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,924.05	145.17
		For Solid Pickets, Add	*851.81*	
		For Aluminum With Satin Finish, Add	*990.60*	
		For Third Rail, Add	*263.20*	
		For 1" Square x 14 Gauge Pickets, Add	*350.93*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,096.09	32.50
		For Solid Pickets, Add	*239.31*	
		For Aluminum With Satin Finish, Add	*284.95*	
		For Third Rail, Add	*74.89*	
		For 1" Square x 14 Gauge Pickets, Add	*99.86*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,149.66	34.23
		For Solid Pickets, Add	*250.95*	
		For Aluminum With Satin Finish, Add	*298.58*	
		For Third Rail, Add	*78.51*	
		For 1" Square x 14 Gauge Pickets, Add	*104.67*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,206.78	36.07
		For Solid Pickets, Add	*263.40*	
		For Aluminum With Satin Finish, Add	*313.29*	
		For Third Rail, Add	*82.38*	
		For 1" Square x 14 Gauge Pickets, Add	*109.85*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,258.48	40.19
		For Solid Pickets, Add	*274.10*	
		For Aluminum With Satin Finish, Add	*323.18*	
		For Third Rail, Add	*85.33*	
		For 1" Square x 14 Gauge Pickets, Add	*113.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate	1,488.17	45.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*324.60*	
		For Aluminum With Satin Finish, Add	*385.03*	
		For Third Rail, Add	*101.38*	
		For 1" Square x 14 Gauge Pickets, Add	*135.17*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate	1,657.21	54.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*360.52*	
		For Aluminum With Satin Finish, Add	*423.06*	
		For Third Rail, Add	*111.94*	
		For 1" Square x 14 Gauge Pickets, Add	*149.25*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate	1,732.44	63.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*375.42*	
		For Aluminum With Satin Finish, Add	*433.44*	
		For Third Rail, Add	*115.55*	
		For 1" Square x 14 Gauge Pickets, Add	*154.07*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate	1,858.69	73.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*401.71*	
		For Aluminum With Satin Finish, Add	*458.64*	
		For Third Rail, Add	*122.91*	
		For 1" Square x 14 Gauge Pickets, Add	*163.88*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate	1,968.87	82.66
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*424.39*	
		For Aluminum With Satin Finish, Add	*479.03*	
		For Third Rail, Add	*129.06*	
		For 1" Square x 14 Gauge Pickets, Add	*172.08*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	2,149.12	52.54
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*472.29*	
		For Aluminum With Satin Finish, Add	*577.17*	
		For Third Rail, Add	*149.92*	
		For 1" Square x 14 Gauge Pickets, Add	*199.90*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	2,279.96	63.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*499.41*	
		For Aluminum With Satin Finish, Add	*602.48*	
		For Third Rail, Add	*157.41*	
		For 1" Square x 14 Gauge Pickets, Add	*209.88*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	2,407.83	73.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*525.94*	
		For Aluminum With Satin Finish, Add	*627.43*	
		For Third Rail, Add	*164.77*	
		For 1" Square x 14 Gauge Pickets, Add	*219.69*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	2,515.50	84.72
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*547.84*	
		For Aluminum With Satin Finish, Add	*645.79*	
		For Third Rail, Add	*170.52*	
		For 1" Square x 14 Gauge Pickets, Add	*227.36*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	2,922.74	95.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*637.15*	
		For Aluminum With Satin Finish, Add	*754.02*	
		For Third Rail, Add	*198.74*	
		For 1" Square x 14 Gauge Pickets, Add	*264.98*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate	3,640.25	107.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*796.00*	
		For Aluminum With Satin Finish, Add	*953.72*	
		For Third Rail, Add	*249.96*	
		For 1" Square x 14 Gauge Pickets, Add	*333.28*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate	3,333.64	121.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*724.06*	
		For Aluminum With Satin Finish, Add	*844.04*	
		For Third Rail, Add	*224.01*	
		For 1" Square x 14 Gauge Pickets, Add	*298.69*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate	3,571.52	137.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*774.19*	
		For Aluminum With Satin Finish, Add	*895.02*	
		For Third Rail, Add	*238.46*	
		For 1" Square x 14 Gauge Pickets, Add	*317.95*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate	3,937.19	154.70
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*852.71*	
		For Aluminum With Satin Finish, Add	*982.20*	
		For Third Rail, Add	*262.13*	
		For 1" Square x 14 Gauge Pickets, Add	*349.51*	

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32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,021.73	174.32
		For Solid Pickets, Add	*867.53*	
		For Aluminum With Satin Finish, Add	*982.36*	
		For Third Rail, Add	*264.27*	
		For 1" Square x 14 Gauge Pickets, Add	*352.36*	
32 31 19 00-0166		Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*		
32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	30.83	
		For 1" Square x 14 Gauge Pickets, Add	*0.92*	
32 31 19 00-0168		Removal And Reinstallation Of Ornamental Fences *(32 31 19)* Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	48.76	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	53.62	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	58.50	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	63.37	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	68.25	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	73.12	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	81.26	
32 31 23		**Plastic Fences and Gates** *(32 31)*		
32 31 23 00-0001		Vinyl Fence *(32 31 23)*		
32 31 23 00-0002		Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	56.56	5.43
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	63.28	6.51
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	70.56	7.59
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	77.70	8.68
32 31 23 00-0007		Semi-Privacy 6" Picket Vinyl Fence *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	75.71	7.59
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	82.90	8.68
32 31 23 00-0010		Picket Straight Top Vinyl Fence *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	52.02	5.43
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	58.97	6.51
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	67.55	7.59
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	74.75	8.68
32 31 23 00-0015		Picket Scalloped Top Vinyl Fence *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	57.86	5.43
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	64.99	6.51
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	73.18	7.59
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	80.56	8.68
32 31 23 00-0020		Post And Rail Vinyl Fence, Ranch Style *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	20.09	5.43
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	25.93	6.51
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	30.00	7.05
32 31 23 00-0024		Post, Rails And Pickets (Traditional Style) Vinyl Fence *(32 31 23 00-0001)* Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	67.87	5.97
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	74.00	7.05
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	64.09	5.43
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	69.54	6.51
32 31 23 00-0029		Vinyl Gates *(32 31 23)*		
32 31 23 00-0030		Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0029)* Note: Includes hinges.		
32 31 23 00-0031		3' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	627.62	54.25
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	666.15	56.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	731.77	59.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	821.45	62.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0036		**4' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	666.15	56.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	689.64	59.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	767.28	62.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	902.11	65.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0041		**5' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	689.64	59.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	719.13	62.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	826.88	65.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	967.73	67.81
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0046		**6' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	724.56	65.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	754.06	67.81
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	912.96	70.53
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,008.67	70.53
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0051		**Gates For Picket Fences** *(32 31 23 00-0029)*		
		Note: Includes hinges.		
32 31 23 00-0052		**3' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	600.54	54.25
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	624.02	56.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	701.68	59.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	836.49	62.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0057		**4' High Gates For Picket Fences** *(32 31 23 00-0051)*		
32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	605.97	56.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	629.45	59.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	707.09	62.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	841.92	65.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0062		5' High Gates For Picket Fences *(32 31 23 00-0051)*		
32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	629.45	59.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	658.94	62.39
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	766.69	65.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	907.54	67.81
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0067		6' High Gates For Picket Fences *(32 31 23 00-0051)*		
32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	664.37	65.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	693.87	67.81
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	852.77	70.53
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	948.49	73.24
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0072		Gates Accessories *(32 31 23 00-0029)*		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	135.45	
32 31 23 00-0074	EA	Latch Set	91.81	
32 31 23 00-0075	EA	Stainless Steel Latch Set	135.45	
32 31 26		**Wire Fences and Gates** *(32 31)*		
32 31 26 13		**Wire Fences with Steel Posts** *(32 31 26)*		
32 31 26 13-0001		Chicken Wire *(32 31 26 13)*		
		Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.12	1.96
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.98	1.96
32 31 26 13-0004		Wire And Screen *(32 31 26 13)*		
32 31 26 13-0005		Wire And Screen For Partitions And Fences *(32 31 26 13-0004)*		
		Note: Excludes framing and post.		
32 31 26 13-0006		Screen Wire *(32 31 26 13-0005)*		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	13.38	1.10
32 31 26 13-0008		Hog Wire *(32 31 26 13-0005)*		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	2.30	0.87
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	2.40	0.99
32 31 26 13-0011		Non-Climb Horse Fence *(32 31 26 13-0005)*		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	10.40	3.50
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	13.38	4.37
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	16.86	5.25
32 31 26 13-0015		Screen For Partitions And Ceilings *(32 31 26 13-0004)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	2.34	0.62
32 31 26 13-0017		Wicket Fence *(32 31 26 13)*		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted	89.96	5.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29		**Wood Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		Basket Weave *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	45.44	3.90
		For Fastening With Screws Instead Of Nails, Add	*2.68*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	30.38	3.90
		For Fastening With Screws Instead Of Nails, Add	*1.95*	
32 31 29 00-0004		Board Fence *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	29.78	3.90
		For 1" x 6" Boards, Deduct	*-3.17*	
		For 1" x 3" Boards (Stockade Top), Add	*3.95*	
		For Fastening With Screws Instead Of Nails, Add	*1.94*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	33.10	3.90
		For 1" x 6" Boards, Deduct	*-3.45*	
		For 1" x 3" Boards (Stockade Top), Add	*4.28*	
		For Fastening With Screws Instead Of Nails, Add	*2.14*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	36.89	3.90
		For 1" x 6" Boards, Deduct	*-3.68*	
		For 1" x 3" Boards (Stockade Top), Add	*4.52*	
		For Fastening With Screws Instead Of Nails, Add	*2.35*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	39.36	3.90
		For 1" x 6" Boards, Deduct	*-3.87*	
		For 1" x 3" Boards (Stockade Top), Add	*4.73*	
		For Fastening With Screws Instead Of Nails, Add	*2.49*	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	42.03	3.90
		For 1" x 6" Boards, Deduct	*-4.06*	
		For 1" x 3" Boards (Stockade Top), Add	*4.94*	
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	31.77	3.90
		For 1" x 6" Boards, Deduct	*-3.25*	
		For 1" x 3" Boards (Stockade Top), Add	*4.01*	
		For Fastening With Screws Instead Of Nails, Add	*2.04*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	34.63	3.90
		For 1" x 6" Boards, Deduct	*-3.51*	
		For 1" x 3" Boards (Stockade Top), Add	*4.32*	
		For Fastening With Screws Instead Of Nails, Add	*2.21*	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	36.89	3.90
		For 1" x 6" Boards, Deduct	*-3.68*	
		For 1" x 3" Boards (Stockade Top), Add	*4.52*	
		For Fastening With Screws Instead Of Nails, Add	*2.35*	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	39.36	3.90
		For 1" x 6" Boards, Deduct	*-3.87*	
		For 1" x 3" Boards (Stockade Top), Add	*4.73*	
		For Fastening With Screws Instead Of Nails, Add	*2.49*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	42.03	3.90
		For 1" x 6" Boards, Deduct	*-4.06*	
		For 1" x 3" Boards (Stockade Top), Add	*4.94*	
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	31.77	3.90
		For 1" x 6" Boards, Deduct	*-3.25*	
		For 1" x 3" Boards (Stockade Top), Add	*4.01*	
		For Fastening With Screws Instead Of Nails, Add	*2.04*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	41.42	3.90
		For 1" x 6" Boards, Deduct	*-3.78*	
		For 1" x 3" Boards (Stockade Top), Add	*4.53*	
		For Fastening With Screws Instead Of Nails, Add	*2.55*	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	43.40	3.90
		For 1" x 6" Boards, Deduct	*-3.94*	
		For 1" x 3" Boards (Stockade Top), Add	*4.71*	
		For Fastening With Screws Instead Of Nails, Add	*2.67*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	46.64	3.90
		For 1" x 6" Boards, Deduct	*-4.16*	
		For 1" x 3" Boards (Stockade Top), Add	*4.95*	
		For Fastening With Screws Instead Of Nails, Add	*2.85*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	50.15	3.90
		For 1" x 6" Boards, Deduct	*-4.39*	
		For 1" x 3" Boards (Stockade Top), Add	*5.19*	
		For Fastening With Screws Instead Of Nails, Add	*3.05*	
32 31 29 00-0020		Shadow Box *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	62.73	3.90
		For Fastening With Screws Instead Of Nails, Add	*3.54*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	78.75	3.90
		For Fastening With Screws Instead Of Nails, Add	*4.42*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	85.76	3.90
		For Fastening With Screws Instead Of Nails, Add	*4.79*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	92.14	3.90
		For Fastening With Screws Instead Of Nails, Add	*5.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	29.71	3.90
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	23.40	3.90
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	35.10	3.90
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	25.26	3.90
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	28.09	3.90
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.33	3.90
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	32.00	3.90
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	26.18	3.90
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	33.96	3.90
		For Fastening With Screws Instead Of Nails, Add	*2.16*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	31.79	3.90
		For Fastening With Screws Instead Of Nails, Add	*2.06*	
32 31 29 00-0039		**Wood Fence Post Accessories** *(32 31 29)*		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	47.75	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	53.39	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	58.18	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	85.54	
32 31 29 00-0044		**Wood Gate** *(32 31 29)*		
32 31 29 00-0045		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0044)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	445.73	136.73
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	493.15	144.93
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	551.51	158.61
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	626.49	166.81
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	701.46	175.02
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	567.69	180.48
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	618.56	188.68
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	669.42	196.89
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	754.74	205.09
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	822.82	213.30
32 31 29 00-0056		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0044)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	709.19	122.03
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	734.18	129.36
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	772.37	141.55
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	814.57	148.88
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	867.11	156.21
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	838.98	161.08
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	870.85	168.40
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	919.94	175.73
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	969.04	183.04
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,018.14	190.37
32 31 29 00-0067		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0044)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	760.87	122.03
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	792.75	129.36
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	834.38	141.55
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	883.48	148.88
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	932.57	156.21
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	907.89	161.08
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	939.75	168.40
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	988.85	175.73
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,037.95	183.04
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,104.27	190.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0078		**Pressure Treated Wood Fence Posts** *(32 31 29)* See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	42.40	13.68
32 31 29 00-0080	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	47.84	13.68
32 31 29 00-0081	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	74.55	26.26
32 31 29 00-0082	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	80.75	26.26
32 31 29 00-0083		**Wood Utility Pole Fence** *(32 31 29)* Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence Note: Includes notching post, drilling and pinned with #5 rebar.	57.60	3.90
32 31 29 00-0085		**Wood Rail Fence** *(32 31 29)* Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	29.52	3.90
32 31 34		**Tubular Barrier Gates** *(32 31)*		
32 31 34 00-0001		**Tube Gate** *(32 31 34)* See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0642 for gate accessories.		
32 31 34 00-0002		**50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	210.86	29.25
		For 13 Gauge Tubing, Add	*33.51*	
		For Galvanized Finish, Add	*18.63*	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	274.16	37.92
		For 13 Gauge Tubing, Add	*43.46*	
		For Galvanized Finish, Add	*24.06*	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	369.26	48.76
		For 13 Gauge Tubing, Add	*59.23*	
		For Galvanized Finish, Add	*33.45*	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	427.29	60.67
		For 13 Gauge Tubing, Add	*67.04*	
		For Galvanized Finish, Add	*36.47*	
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	506.74	72.15
		For 13 Gauge Tubing, Add	*79.68*	
		For Galvanized Finish, Add	*43.51*	
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	553.95	81.26
		For 13 Gauge Tubing, Add	*86.41*	
		For Galvanized Finish, Add	*46.53*	
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	649.99	93.71
		For 13 Gauge Tubing, Add	*101.83*	
		For Galvanized Finish, Add	*55.25*	
32 31 34 00-0010		**33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	273.10	29.25
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*74.57*	
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	327.71	37.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*85.58*	
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	392.56	48.76
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*98.52*	
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	453.83	60.67
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*107.86*	
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	515.43	72.15
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*119.50*	
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	571.36	81.26
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*131.04*	
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	639.09	93.71
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*142.97*	
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	733.94	105.47
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*165.74*	
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	814.76	117.97
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*195.90*	
32 31 34 00-0020		**33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	294.94	29.25
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*83.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	349.18	37.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*94.17*	
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	407.12	48.76
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*104.34*	
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	475.06	60.67
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*116.36*	
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	530.78	72.15
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*125.64*	
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	607.19	81.26
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*145.37*	
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	678.00	93.71
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*158.53*	
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	793.31	105.47
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*189.49*	
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	868.14	117.97
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*217.26*	
32 31 34 00-0030		Tubular Steel Barrier Gate (Triangular Shape) *(32 31 34 00-0001)*		
		Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,277.13	60.67
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*742.42*	
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,471.34	72.15
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*796.05*	
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,926.97	81.26
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*956.64*	
32 31 34 00-0034	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,362.54	60.67
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*776.30*	
32 31 34 00-0035	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,568.95	72.15
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*834.76*	
32 31 34 00-0036	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	3,024.58	81.26
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*995.34*	
32 31 34 00-0037		Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing *(32 31 34 00-0001)*		
		Note: Excludes augering holes and concrete.		
32 31 34 00-0038	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts	491.10	29.25
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*40.44*	
32 31 34 00-0039		Tubular Horse Gate *(32 31 34 00-0001)*		
		Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts	3,563.07	29.25
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*1,013.55*	
32 31 34 00-0041		Pipe Gate *(32 31 34)*		
		Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,125.14	
32 31 34 00-0043	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,157.59	
32 31 34 00-0044	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,144.89	
32 31 41		**Precast Concrete Fences** *(32 31)*		
32 31 41 00-0001		Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. *(32 31 41)*		
		Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury	72.09	3.90
		Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.		
32 31 56		**Wild Life Deterrent Fence** *(32 31)*		
32 31 56 00-0001		Barbed Wire Fences *(32 31 56)*		
		Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002		Fence Posts *(32 31 56 00-0001)*		
32 31 56 00-0003		Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	105.56	8.67
		For Bracing On Corner Post, End Post And Pull Post, Add	*170.15*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	141.70	8.67
		For Bracing On Corner Post, End Post And Pull Post, Add	*230.50*	
32 31 56 00-0006		Post In Rock *(32 31 56 00-0002)*		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	103.66	8.67
		For Bracing On Corner Post, End Post And Pull Post, Add	*167.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	139.80	8.67
		For Bracing On Corner Post, End Post And Pull Post, Add	*227.65*	

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	28.25	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	28.93	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	30.23	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	31.52	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	33.23	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	37.38	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	45.40	

32 31 56 00-0017 Barbed Wire *(32 31 56 00-0001)*

Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.96	0.43
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.10	0.43

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts. Note: Posts at 10' maximum.	12.88	2.81

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls *(32 32 13)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	368.56	142.25
		For >3:1 Sloped Soil At Top, Add	*7.15*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	458.84	175.05
		For >3:1 Sloped Soil At Top, Add	*9.24*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	499.04	188.81
		For >3:1 Sloped Soil At Top, Add	*10.32*	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	632.90	233.45
		For >3:1 Sloped Soil At Top, Add	*14.12*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	729.10	268.15
		For >3:1 Sloped Soil At Top, Add	*16.38*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,056.86	393.39
		For >3:1 Sloped Soil At Top, Add	*22.97*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,452.11	543.09
		For >3:1 Sloped Soil At Top, Add	*31.09*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	404.64	155.35
		For >3:1 Sloped Soil At Top, Add	*7.99*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	494.11	187.18
		For >3:1 Sloped Soil At Top, Add	*10.19*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	522.07	195.31
		For >3:1 Sloped Soil At Top, Add	*11.17*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	715.47	261.75
		For >3:1 Sloped Soil At Top, Add	*16.31*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	908.89	336.23
		For >3:1 Sloped Soil At Top, Add	*20.10*	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,365.02	509.64
		For >3:1 Sloped Soil At Top, Add	*29.40*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,926.53	719.39
		For >3:1 Sloped Soil At Top, Add	*41.46*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001 Precast Retaining Walls *(32 32 16)*

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	97.40	14.14
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	100.04	11.36
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	103.75	9.46
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	112.19	9.46
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	118.68	8.08

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	65.94	8.61
		For >3:1 Sloped Soil At Top, Add	*4.14*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	69.57	9.06
		For >3:1 Sloped Soil At Top, Add	*4.37*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	72.55	9.96
		For >3:1 Sloped Soil At Top, Add	*4.47*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	75.69	10.87
		For >3:1 Sloped Soil At Top, Add	*4.59*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	68.49	8.61
		For >3:1 Sloped Soil At Top, Add	*4.36*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	72.12	9.06
		For >3:1 Sloped Soil At Top, Add	*4.59*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	75.09	9.96
		For >3:1 Sloped Soil At Top, Add	*4.69*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	78.24	10.87
		For >3:1 Sloped Soil At Top, Add	*4.80*	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	74.57	8.61
		For >3:1 Sloped Soil At Top, Add	*4.88*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	78.20	9.06
		For >3:1 Sloped Soil At Top, Add	*5.11*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	81.18	9.96
		For >3:1 Sloped Soil At Top, Add	*5.21*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	84.33	10.87
		For >3:1 Sloped Soil At Top, Add	*5.32*	

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	65.94	8.61
		For >3:1 Sloped Soil At Top, Add	*4.14*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	69.57	9.06
		For >3:1 Sloped Soil At Top, Add	*4.37*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	72.55	9.96
		For >3:1 Sloped Soil At Top, Add	*4.47*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	75.69	10.87
		For >3:1 Sloped Soil At Top, Add	*4.59*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	58.21	8.61
		For >3:1 Sloped Soil At Top, Add	*3.49*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	64.39	9.06
		For >3:1 Sloped Soil At Top, Add	*3.93*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	67.41	9.96
		For >3:1 Sloped Soil At Top, Add	*4.04*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	70.08	10.87
		For >3:1 Sloped Soil At Top, Add	*4.11*	

32 32 23 13-0027 Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	34.53	
		For >3:1 Sloped Soil At Top, Add	*1.84*	

32 32 26 Metal Crib Retaining Walls *(32 32)*

32 32 26 00-0001 Bin Type Retaining Wall *(32 32 26)*

32 32 26 00-0002 Vertical Bin Walls *(32 32 26 00-0001)*

Note: Excludes excavation and backfill.

32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	74.64
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	88.63
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	103.29
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	111.68
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	124.69
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	133.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0009		**Battered Bin Walls** *(32 32 26 00-0001)* Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	66.15	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	71.74	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	80.71	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	90.50	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	105.91	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	108.71	
32 32 26 00-0016		**Aluminized Steel Bin** *(32 32 26)* Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	50.01	4.98
		For >3:1 Sloped Soil At Top, Add	*3.41*	
		For Galvanized Type, Deduct	*-4.01*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	56.19	4.98
		For >3:1 Sloped Soil At Top, Add	*3.92*	
		For Galvanized Type, Deduct	*-4.62*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	59.98	5.44
		For >3:1 Sloped Soil At Top, Add	*4.18*	
		For Galvanized Type, Deduct	*-4.92*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	68.35	6.13
		For >3:1 Sloped Soil At Top, Add	*4.77*	
		For Galvanized Type, Deduct	*-5.61*	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	65.68	6.36
		For >3:1 Sloped Soil At Top, Add	*4.51*	
		For Galvanized Type, Deduct	*-5.31*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	73.42	6.47
		For >3:1 Sloped Soil At Top, Add	*5.15*	
		For Galvanized Type, Deduct	*-6.06*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	81.52	6.82
		For >3:1 Sloped Soil At Top, Add	*5.76*	
		For Galvanized Type, Deduct	*-6.78*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	83.44	7.17
		For >3:1 Sloped Soil At Top, Add	*5.88*	
		For Galvanized Type, Deduct	*-6.92*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	87.90	7.17
		For >3:1 Sloped Soil At Top, Add	*6.25*	
		For Galvanized Type, Deduct	*-7.36*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	92.33	7.29
		For >3:1 Sloped Soil At Top, Add	*6.62*	
		For Galvanized Type, Deduct	*-7.79*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	95.46	7.40
		For >3:1 Sloped Soil At Top, Add	*6.86*	
		For Galvanized Type, Deduct	*-8.08*	
32 32 29		**Timber Retaining Walls** *(32 32)*		
32 32 29 00-0001		**Wood Post Retaining Walls** *(32 32 29)* Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	83.06	29.06
		For >3:1 Sloped Soil At Top, Add	*2.13*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	162.55	56.88
		For >3:1 Sloped Soil At Top, Add	*4.15*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	79.86	29.06
		For >3:1 Sloped Soil At Top, Add	*1.86*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	156.33	56.88
		For >3:1 Sloped Soil At Top, Add	*3.62*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	79.70	25.38
		For >3:1 Sloped Soil At Top, Add	*2.45*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	156.03	49.65
		For >3:1 Sloped Soil At Top, Add	*4.82*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	66.23	22.53
		For >3:1 Sloped Soil At Top, Add	*1.80*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	119.74	40.78
		For >3:1 Sloped Soil At Top, Add	*3.25*	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	219.53	68.91
		For >3:1 Sloped Soil At Top, Add	*6.95*	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	433.49	135.07
		For >3:1 Sloped Soil At Top, Add	*13.89*	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	215.97	68.91
		For >3:1 Sloped Soil At Top, Add	*6.64*	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	424.61	135.07
		For >3:1 Sloped Soil At Top, Add	*13.14*	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	203.93	55.97
		For >3:1 Sloped Soil At Top, Add	*7.82*	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	405.01	110.51
		For >3:1 Sloped Soil At Top, Add	*15.63*	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	150.88	44.75
		For >3:1 Sloped Soil At Top, Add	*5.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	296.82	87.57
		For >3:1 Sloped Soil At Top, Add	*10.34*	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	542.14	149.34
		For >3:1 Sloped Soil At Top, Add	*20.69*	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,014.14	278.80
		For >3:1 Sloped Soil At Top, Add	*38.81*	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	524.37	149.34
		For >3:1 Sloped Soil At Top, Add	*19.18*	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	980.38	278.80
		For >3:1 Sloped Soil At Top, Add	*35.94*	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	562.73	172.28
		For >3:1 Sloped Soil At Top, Add	*18.54*	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,049.82	321.72
		For >3:1 Sloped Soil At Top, Add	*34.54*	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	425.05	139.25
		For >3:1 Sloped Soil At Top, Add	*12.46*	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	788.38	258.32
		For >3:1 Sloped Soil At Top, Add	*23.11*	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	159.29	57.39
		For >3:1 Sloped Soil At Top, Add	*3.78*	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	238.04	86.14
		For >3:1 Sloped Soil At Top, Add	*5.59*	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	316.70	114.78
		For >3:1 Sloped Soil At Top, Add	*7.40*	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	108.43	32.41
		For >3:1 Sloped Soil At Top, Add	*3.70*	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	157.57	46.79
		For >3:1 Sloped Soil At Top, Add	*5.44*	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	213.40	63.20
		For >3:1 Sloped Soil At Top, Add	*7.40*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	66.71	17.22
		For >3:1 Sloped Soil At Top, Add	*2.74*	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	102.39	29.46
		For >3:1 Sloped Soil At Top, Add	*3.70*	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	134.52	36.59
		For >3:1 Sloped Soil At Top, Add	*5.21*	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	188.06	51.89
		For >3:1 Sloped Soil At Top, Add	*7.17*	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	245.99	67.49
		For >3:1 Sloped Soil At Top, Add	*9.44*	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	505.13	133.54
		For >3:1 Sloped Soil At Top, Add	*20.24*	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	571.14	147.92
		For >3:1 Sloped Soil At Top, Add	*23.41*	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	67.69	17.95
		For >3:1 Sloped Soil At Top, Add	*2.70*	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	118.83	31.91
		For >3:1 Sloped Soil At Top, Add	*4.68*	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	116.79	31.30
		For >3:1 Sloped Soil At Top, Add	*4.61*	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	163.62	44.96
		For >3:1 Sloped Soil At Top, Add	*6.27*	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	254.63	71.76
		For >3:1 Sloped Soil At Top, Add	*9.44*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	201.77	55.15
		For >3:1 Sloped Soil At Top, Add	*7.78*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	522.56	137.82
		For >3:1 Sloped Soil At Top, Add	*20.99*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	84.54	33.13
		For >3:1 Sloped Soil At Top, Add	*1.55*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	122.37	47.10
		For >3:1 Sloped Soil At Top, Add	*2.39*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	178.07	64.64
		For >3:1 Sloped Soil At Top, Add	*4.15*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	313.24	109.08
		For >3:1 Sloped Soil At Top, Add	*8.08*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	317.68	109.08
		For >3:1 Sloped Soil At Top, Add	*8.46*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	298.46	104.79
		For >3:1 Sloped Soil At Top, Add	*7.55*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	702.40	241.09
		For >3:1 Sloped Soil At Top, Add	*18.73*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	84.54	33.13
		For >3:1 Sloped Soil At Top, Add	*1.55*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	122.37	47.10
		For >3:1 Sloped Soil At Top, Add	*2.39*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	178.07	64.64
		For >3:1 Sloped Soil At Top, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	223.86	80.43
		For >3:1 Sloped Soil At Top, Add	*5.36*	
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	313.24	109.08
		For >3:1 Sloped Soil At Top, Add	*8.08*	
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	298.46	104.79
		For >3:1 Sloped Soil At Top, Add	*7.55*	
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	702.40	241.09
		For >3:1 Sloped Soil At Top, Add	*18.73*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	113.27	35.27
		For >3:1 Sloped Soil At Top, Add	*3.62*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	258.51	80.43
		For >3:1 Sloped Soil At Top, Add	*8.31*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	386.92	120.59
		For >3:1 Sloped Soil At Top, Add	*12.38*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	375.50	103.37
		For >3:1 Sloped Soil At Top, Add	*14.35*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	564.25	155.05
		For >3:1 Sloped Soil At Top, Add	*21.60*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	745.27	203.88
		For >3:1 Sloped Soil At Top, Add	*28.69*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	111.49	35.27
		For >3:1 Sloped Soil At Top, Add	*3.47*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	253.18	80.43
		For >3:1 Sloped Soil At Top, Add	*7.85*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	379.82	120.59
		For >3:1 Sloped Soil At Top, Add	*11.78*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	363.06	103.37
		For >3:1 Sloped Soil At Top, Add	*13.29*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	546.48	155.05
		For >3:1 Sloped Soil At Top, Add	*20.08*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	720.40	203.88
		For >3:1 Sloped Soil At Top, Add	*26.58*	

32 32 29 00-0076 Creosoted Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	123.90	46.79
		For >3:1 Sloped Soil At Top, Add	*2.57*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	283.77	107.65
		For >3:1 Sloped Soil At Top, Add	*5.81*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	420.85	159.33
		For >3:1 Sloped Soil At Top, Add	*8.68*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	570.33	216.73
		For >3:1 Sloped Soil At Top, Add	*11.63*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	830.38	315.71
		For >3:1 Sloped Soil At Top, Add	*16.91*	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,101.90	418.57
		For >3:1 Sloped Soil At Top, Add	*22.50*	

32 32 29 00-0083 Pressure Treated Wood *(32 32 29 00-0061)*

32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	98.36	29.15
		For >3:1 Sloped Soil At Top, Add	*3.41*	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	223.58	66.06
		For >3:1 Sloped Soil At Top, Add	*7.78*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	334.92	99.09
		For >3:1 Sloped Soil At Top, Add	*11.63*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	363.50	119.17
		For >3:1 Sloped Soil At Top, Add	*10.65*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	546.19	178.09
		For >3:1 Sloped Soil At Top, Add	*16.16*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	724.06	236.81
		For >3:1 Sloped Soil At Top, Add	*21.29*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	458.83	203.94
		For >3:1 Sloped Soil At Top, Add	*4.32*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	540.90	242.62
		For >3:1 Sloped Soil At Top, Add	*4.73*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	709.74	322.35
		For >3:1 Sloped Soil At Top, Add	*5.53*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,092.06	504.00
		For >3:1 Sloped Soil At Top, Add	*7.14*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,418.01	659.29
		For >3:1 Sloped Soil At Top, Add	*8.45*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,759.20	821.01
		For >3:1 Sloped Soil At Top, Add	*9.96*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	411.99	180.56
		For >3:1 Sloped Soil At Top, Add	*4.32*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	482.91	213.64
		For >3:1 Sloped Soil At Top, Add	*4.73*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	624.15	279.49
		For >3:1 Sloped Soil At Top, Add	*5.53*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	954.30	435.15
		For >3:1 Sloped Soil At Top, Add	*7.14*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,224.76	562.72
		For >3:1 Sloped Soil At Top, Add	*8.45*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,520.83	701.87
		For >3:1 Sloped Soil At Top, Add	*9.96*	

32 32 53 00-0015 Stone Retaining Walls *(32 32 53 00-0001)*
Note: Stone at $32.00/ton.

32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	474.21	203.94
		For >3:1 Sloped Soil At Top, Add	*5.63*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	562.20	242.62
		For >3:1 Sloped Soil At Top, Add	*6.54*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	740.49	322.35
		For >3:1 Sloped Soil At Top, Add	*8.14*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,137.02	504.00
		For >3:1 Sloped Soil At Top, Add	*10.96*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,479.53	659.29
		For >3:1 Sloped Soil At Top, Add	*13.68*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,837.28	821.01
		For >3:1 Sloped Soil At Top, Add	*16.59*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	427.37	180.56
		For >3:1 Sloped Soil At Top, Add	*5.63*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	504.21	213.64
		For >3:1 Sloped Soil At Top, Add	*6.54*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	654.90	279.49
		For >3:1 Sloped Soil At Top, Add	*8.14*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	999.26	435.15
		For >3:1 Sloped Soil At Top, Add	*10.96*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,286.28	562.72
		For >3:1 Sloped Soil At Top, Add	*13.68*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,598.91	701.87
		For >3:1 Sloped Soil At Top, Add	*16.59*	

32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*
Note: Stone at $48.00/ton.

32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	490.77	203.94
		For >3:1 Sloped Soil At Top, Add	*7.04*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	583.25	242.62
		For >3:1 Sloped Soil At Top, Add	*8.33*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	770.07	322.35
		For >3:1 Sloped Soil At Top, Add	*10.66*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,181.97	504.00
		For >3:1 Sloped Soil At Top, Add	*14.78*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,541.05	659.29
		For >3:1 Sloped Soil At Top, Add	*18.90*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,916.54	821.01
		For >3:1 Sloped Soil At Top, Add	*23.33*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	443.93	180.56
		For >3:1 Sloped Soil At Top, Add	*7.04*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	525.50	213.64
		For >3:1 Sloped Soil At Top, Add	*8.35*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	684.48	279.49
		For >3:1 Sloped Soil At Top, Add	*10.66*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	1,044.21	435.15
		For >3:1 Sloped Soil At Top, Add	*14.78*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,347.80	562.72
		For >3:1 Sloped Soil At Top, Add	*18.90*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,678.17	701.87
		For >3:1 Sloped Soil At Top, Add	*23.33*	

32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*
Note: Stone at $64.00/ton.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	507.33	203.94
		For >3:1 Sloped Soil At Top, Add	*8.45*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	581.12	242.62
		For >3:1 Sloped Soil At Top, Add	*8.14*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	802.01	322.35
		For >3:1 Sloped Soil At Top, Add	*13.37*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,229.29	504.00
		For >3:1 Sloped Soil At Top, Add	*18.80*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,604.93	659.29
		For >3:1 Sloped Soil At Top, Add	*24.33*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	1,996.98	821.01
		For >3:1 Sloped Soil At Top, Add	*30.17*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	460.49	180.56
		For >3:1 Sloped Soil At Top, Add	*8.45*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	546.79	213.64
		For >3:1 Sloped Soil At Top, Add	*10.16*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	716.42	279.49
		For >3:1 Sloped Soil At Top, Add	*13.37*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,091.53	435.15
		For >3:1 Sloped Soil At Top, Add	*18.80*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,411.68	562.72
		For >3:1 Sloped Soil At Top, Add	*24.33*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,758.61	701.87
		For >3:1 Sloped Soil At Top, Add	*30.17*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	799.82	136.70
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,205.99	224.58
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,078.45	341.76

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	700.17	122.06
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	989.72	203.11
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,697.02	305.15

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	132.73	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,057.25	239.53

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	584.02	146.47
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	795.34	158.67
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,006.68	170.89
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,244.73	183.09
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,482.77	195.29
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,613.99	207.50

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	662.31	146.47
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	851.79	158.67
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,041.27	170.89
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,210.14	183.09
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,399.62	195.29
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,630.38	207.50
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized	1,923.04	244.12
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized	2,236.33	231.92
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized	2,529.00	244.12

32 33 13 00-0033 Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	584.02	146.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	795.34	158.67
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,006.68	170.89
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,244.73	183.09
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,482.77	195.29
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,613.99	207.50
32 33 13 00-0040		Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	682.94	146.47
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	893.06	158.67
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,082.54	170.89
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,313.31	183.09
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,502.79	195.29
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,754.19	207.50
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated	2,088.11	244.12
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated	2,422.04	231.92
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated	2,735.35	244.12
32 33 13 00-0050		Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,110.06	146.47
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,659.18	158.67
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,208.34	170.89
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,832.48	183.09
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,456.58	195.29
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,780.84	207.50
32 33 13 00-0057		Stainless Steel, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	868.66	146.47
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,924.79	158.67
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,526.96	170.89
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,087.88	183.09
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,669.43	195.29
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,271.61	207.50
32 33 13 00-0064		Bike Racks Bollards/Bicycle Posts *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0065	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	650.43	109.86
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		Steel Trash Containment *(32 33 23)*		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	554.45	58.33
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	529.46	58.33
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	529.46	58.33
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	501.34	58.33
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	554.45	58.33
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	501.34	58.33
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	685.64	58.33
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,000.00	58.33
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,079.39	58.33
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,079.39	58.33
32 33 23 00-0014		Round Steel Pipe And Flat Steel Frames *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,476.30	58.33
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,589.71	58.33
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,830.69	58.33
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,660.59	58.33
32 33 23 00-0019		Round Steel Pipe Surrounded With Perforated *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,320.37	58.33
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,433.78	58.33
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,674.76	58.33
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,518.83	58.33
32 33 23 00-0024		Round Steel Pipe Frames Surrounded With Welded Wire *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,051.03	58.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,164.44	58.33
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,405.42	58.33
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,249.49	58.33
32 33 23 00-0029		**Litter Baskets** *(32 33 23)*		
32 33 23 00-0030		**Round Wire Litter Baskets** *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	184.90	5.93
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	233.41	5.93
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	315.72	5.93
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	362.17	5.93
32 33 23 00-0035		**Trash Can/Wire Basket Holder** *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	265.60	47.63
32 33 23 00-0037	EA	Steel Post, Double Holder	358.44	47.63
32 33 23 00-0038	EA	Redwood Post, Single Holder	140.86	47.63
32 33 23 00-0039	EA	Redwood Post, Double Holder	161.61	47.63
32 33 23 00-0040		**Litter Receptacles, Freestanding** *(32 33 23 00-0029)* Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,485.53	24.31
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,563.62	24.31
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,822.20	36.45
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,900.30	36.45
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	1,978.39	36.45
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,056.49	36.45
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,640.68	31.59
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,718.77	31.59
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0049		**Ash Receptacles** *(32 33 23)*		
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	527.04	24.31
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	230.44	24.31
32 33 23 00-0052		**Trash Receptacles** *(32 33 23)*		
32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,220.01	24.31
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	417.24	24.31
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	567.76	24.31
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	592.99	26.73
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	638.56	29.16
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	601.58	19.44
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	718.81	19.44
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,219.83	24.31
32 33 23 00-0061	EA	25" Square x 34" Height, Concrete Trash Receptacle With "C" Style Lid (Quick Crete QS-CAL2534W-C21)	1,455.42	32.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0062		Trash Containers (Dumpsters) *(32 33 23)*		
32 33 23 00-0063	EA	1 CY Straight Side Trash Dumpster	302.15	
32 33 23 00-0064	EA	1.5 CY Straight Side Trash Dumpster	453.23	
32 33 23 00-0065	EA	2 CY Straight Side Trash Dumpster	604.30	
32 33 23 00-0066	EA	2 CY Sloped Side Trash Dumpster	604.30	
32 33 23 00-0067	EA	3 CY Sloped Side Trash Dumpster	906.45	
32 33 23 00-0068	EA	4 CY Sloped Side Trash Dumpster	1,208.61	
32 33 23 00-0069	EA	6 CY Sloped Side Trash Dumpster	1,812.91	
32 33 23 00-0070	EA	8 CY Sloped Side Trash Dumpster	2,417.21	
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		Precast Concrete Planters *(32 33 33)*		
32 33 33 00-0002		Circular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	819.81	28.82
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	918.01	34.59
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	1,004.67	34.59
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	1,090.14	40.36
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,319.67	51.88
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,436.92	51.88
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,619.23	57.65
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,710.99	57.65
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,905.51	72.06
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	2,026.89	76.68
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	2,111.44	80.72
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,917.37	72.06
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	2,108.89	80.72
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,704.15	86.47
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	3,509.87	109.54
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	4,079.65	115.30
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,650.49	74.95
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,890.34	80.72
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,990.96	92.24
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	3,191.13	98.01
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	956.24	34.59
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	1,120.84	51.88
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,300.60	57.65
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,479.82	72.06
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,023.90	28.82
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,379.00	28.82
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,343.92	28.82
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,664.64	28.82
32 33 33 00-0035		Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	777.53	28.82
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,147.52	28.82
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,058.29	28.82
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,880.68	28.82
32 33 33 00-0040		Square Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,026.14	28.82
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,049.33	28.82
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,061.59	28.82
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,206.45	28.82
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,311.99	28.82
32 33 33 00-0046		Rectangular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,183.51	28.82
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,270.06	28.82
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,659.82	28.82
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,832.92	28.82
32 33 33 00-0051		Timber Planters *(32 33 33)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	510.54	58.33
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	510.54	58.33
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	946.75	58.33
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	823.87	58.33
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	977.47	58.33
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,476.57	58.33
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	3,711.48	58.33
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	504.39	58.33
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	559.69	58.33
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	725.57	58.33
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	799.30	58.33
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,020.48	58.33
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,180.22	58.33
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,315.38	58.33
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,702.44	58.33
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	1,917.48	58.33
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,181.66	58.33
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,077.22	58.33
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,347.55	58.33
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	2,624.02	58.33
32 33 43		**Site Seating and Tables** *(32 33)*		
32 33 43 13		**Site Seating** *(32 33 43)*		
32 33 43 13-0001		Benches (Landscapeforms) *(32 33 43 13)*		
		Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,652.47	97.21
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,060.72	97.21
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,323.17	97.21
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	194.41	24.31
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,804.61	97.21
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,039.17	97.21
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,223.01	97.21
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,508.27	97.21
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,539.97	97.21
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,825.24	97.21
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,291.30	97.21
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,575.56	97.21
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	938.74	72.92
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,013.54	72.92
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,097.70	85.07
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,277.23	85.07
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,172.50	85.07
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,247.30	85.07
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,346.41	97.21
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,540.90	97.21
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,307.15	85.07
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,406.25	97.21
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,481.05	97.21
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,675.54	97.21
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,654.08	97.21
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,047.11	97.21
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,710.79	97.21
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,060.72	97.21
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,235.68	97.21
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,178.63	97.21
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,413.19	97.21
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,666.76	97.21
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,901.31	97.21
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,142.20	97.21
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,768.19	97.21
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,002.74	97.21
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,389.44	97.21
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,636.67	97.21
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,864.88	97.21
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	631.83	24.31
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	847.36	24.31
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	847.36	24.31
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	771.29	24.31
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	955.13	24.31
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	955.13	24.31
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	955.13	24.31
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	194.41	24.31
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	885.40	24.31
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	980.49	24.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,075.58	24.31
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,069.24	24.31
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,164.33	24.31
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,259.42	24.31
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,056.56	24.31
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,151.65	24.31
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,246.74	24.31
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,291.11	24.31
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,386.20	24.31
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,481.29	24.31
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,291.11	24.31
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,386.20	24.31
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,481.29	24.31
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,779.25	97.21
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,804.61	97.21
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,191.31	97.21
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,654.08	97.21
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,129.53	97.21
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,579.62	97.21
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,436.93	97.21
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,906.04	97.21
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,950.42	97.21
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,242.02	97.21
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,527.29	97.21
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,825.24	97.21
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,116.85	97.21
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,527.29	97.21
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,053.45	97.21
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,566.94	97.21
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,864.88	97.21
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,498.81	97.21
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,790.42	97.21
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,075.69	97.21
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,216.11	85.07
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,463.35	85.07
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,596.47	85.07
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,868.01	97.21
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,115.24	97.21

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	873.49	48.61
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,001.76	48.61
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,283.91	48.61
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	912.00	48.61
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,040.24	48.61
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,335.22	48.61
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,335.22	48.61
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,553.24	48.61
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,002.11	48.61
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,399.34	48.61
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,617.36	48.61
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,091.88	48.61
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,579.23	48.61
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,028.10	48.61
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	3,964.31	48.61
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,643.35	48.61
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,092.22	48.61
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,054.09	48.61
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,014.59	48.61
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,142.84	48.61
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,053.07	48.61
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,181.32	48.61
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,694.31	48.61
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,002.11	48.61
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,796.91	48.61
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,104.71	48.61
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,066.59	72.92
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,117.89	72.92
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,515.46	72.92
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	822.22	48.61
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	950.47	48.61
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,078.72	48.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,386.52	48.61
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,514.76	48.61
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	835.05	48.61
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	963.30	48.61
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,091.54	48.61
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,424.99	48.61
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,553.24	48.61
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,412.17	48.61
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,630.19	48.61
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,104.71	48.61
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,322.73	48.61
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,437.82	48.61
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,655.84	48.61
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,143.18	48.61
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,361.20	48.61
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,412.17	48.61
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	1,989.28	48.61
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,771.26	48.61
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,335.56	48.61
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,553.58	48.61
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,617.36	48.61
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,027.76	48.61
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,796.91	48.61
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,374.03	48.61
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,592.05	48.61
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,489.82	72.92
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,720.66	72.92
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,208.01	72.92
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,630.89	72.92
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,861.74	72.92
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,426.03	72.92
32 33 43 13-0154		Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*		
		Note: Includes powder coated steel frames.		
32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,194.14	48.61
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,630.19	48.61
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,232.62	48.61
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,668.66	48.61
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,873.86	48.61
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,194.48	48.61
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	1,976.46	48.61
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,297.08	48.61
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,194.84	72.92
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,438.52	72.92
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,695.01	72.92
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	976.09	48.61
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,309.56	48.61
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,566.05	48.61
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,014.59	48.61
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,348.04	48.61
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,617.36	48.61
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,553.24	48.61
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,091.88	48.61
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,540.75	48.61
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,617.36	48.61
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,181.66	48.61
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,630.53	48.61
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,028.10	48.61
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,169.51	48.61
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,618.38	48.61
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,092.22	48.61
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,259.28	48.61

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32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,708.15	48.61
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,899.51	48.61
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,643.35	48.61
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,527.93	48.61
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	2,899.85	48.61
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	3,900.19	48.61
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,925.16	48.61
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,681.83	48.61
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,566.40	48.61
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	2,938.32	48.61
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	3,964.31	48.61
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,810.44	72.92
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,438.85	72.92
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,015.97	72.92
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,028.46	72.92
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,708.18	72.92
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	2,977.50	72.92
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	873.52	48.61
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,142.84	48.61
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,540.41	48.61
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,809.74	48.61
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,104.71	48.61
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	899.17	48.61
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,168.49	48.61
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,578.89	48.61
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,848.21	48.61
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,156.01	48.61
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,694.31	48.61
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,322.73	48.61
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,861.37	48.61
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,220.47	48.61
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,719.96	48.61
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,361.20	48.61
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	2,899.85	48.61
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,271.77	48.61

32 33 43 13-0218 Benches (Wabash Valley) *(32 33 43 13)*

32 33 43 13-0219 Prestige/Profile Benches *(32 33 43 13-0218)*

32 33 43 13-0220	EA	6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D)	746.06	45.40
32 33 43 13-0221	EA	6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P)	821.21	45.40

32 33 43 13-0222 Straight Benches *(32 33 43 13-0218)*

32 33 43 13-0223	EA	6' Signature Standard Inground Bench With Back (Wabash Valley SG303P)	991.19	68.05
32 33 43 13-0224	EA	6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P)	1,006.44	68.05
32 33 43 13-0225	EA	8' Signature Standard Inground Bench With Back (Wabash Valley SG315P)	1,080.16	68.05
32 33 43 13-0226	EA	8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P)	716.66	68.05
32 33 43 13-0227	EA	8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P)	1,080.16	68.05
32 33 43 13-0228	EA	8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P)	716.66	68.05
32 33 43 13-0229	EA	Shelter With 6' Bench (Wabash Valley SH305P)	7,000.77	87.49
32 33 43 13-0230	EA	2-Seat With Back, Portable (Wabash Valley CL310)	1,454.10	45.40
32 33 43 13-0231	EA	2-Seat With Back, Surface Mount (Wabash Valley CL311D)	1,398.79	68.15
32 33 43 13-0232	EA	2-Seat With Back, Inground (Wabash Valley CL312D)	1,548.35	90.89
32 33 43 13-0233	EA	2-Seat Without Back, Portable (Wabash Valley CL315D)	1,252.20	45.40
32 33 43 13-0234	EA	2-Seat Without Back, Surface Mount (Wabash Valley CL316D)	1,196.89	68.15
32 33 43 13-0235	EA	2-Seat Without Back, Inground (Wabash Valley CL317D)	1,316.76	90.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0236	EA	3-Seat With Back, Portable (Wabash Valley CL320D)	2,104.33	45.40
32 33 43 13-0237	EA	3-Seat With Back, Surface Mount (Wabash Valley CL321D)	2,069.81	68.15
32 33 43 13-0238	EA	3-Seat With Back, Inground (Wabash Valley CL322D)	2,180.77	90.89
32 33 43 13-0239	EA	3-Seat Without Back, Portable (Wabash Valley CL325D)	1,742.10	45.40
32 33 43 13-0240	EA	3-Seat Without Back, Surface Mount (Wabash Valley CL326D)	1,707.58	68.15
32 33 43 13-0241	EA	3-Seat Without Back, Inground (Wabash Valley CL327D)	1,821.51	90.89
32 33 43 13-0242		Concave Benches *(32 33 43 13-0218)*		
32 33 43 13-0243	EA	Benches, 15 Deg Concave With Back, Portable, CL405D	1,997.45	45.40
32 33 43 13-0244	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D	1,951.04	68.15
32 33 43 13-0245	EA	Benches, 15 Deg Concave With Back, Inground, CL407D	2,064.97	90.89
32 33 43 13-0246	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D	1,952.91	45.40
32 33 43 13-0247	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D	1,906.51	68.15
32 33 43 13-0248	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D	2,020.44	90.89
32 33 43 13-0249		Swings *(32 33 43 13-0218)*		
32 33 43 13-0250	EA	4' Swing With Chain (Perforated Or Rib) SP300P	1,530.89	38.89
32 33 43 13-0251	EA	6' Swing With Chain (Perforated Or Rib) SP305P	1,792.72	38.89
32 33 43 13-0252	EA	Round Inground Post Package SP310N	748.58	90.89
32 33 43 13-0253	EA	4' Square Inground Post Package SP315N	1,646.52	116.66
32 33 43 13-0254	EA	6' Square Inground Post Package SP320N	1,783.79	116.66
32 33 43 13-0255		Accessories *(32 33 43 13-0218)*		
32 33 43 13-0256	EA	Mounting Plate Covers (Set Of 2), MC102N	65.07	6.80
32 33 43 13-0257	EA	Mounting Plate Covers (Set Of 3), MC103N	93.67	9.04
32 33 43 13-0258	EA	Mounting Plate Covers (Set Of 4), MC104	109.39	9.04
32 33 43 13-0259		Camden Series Benches *(32 33 43 13-0218)*		
32 33 43 13-0260	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C	1,482.72	68.05
32 33 43 13-0261	EA	6' Bench, With Back, Square Perforation, Inground, CA1112I	1,519.09	90.89
32 33 43 13-0262	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C	1,650.09	68.05
32 33 43 13-0263	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I	1,690.54	90.89
32 33 43 13-0264	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C	1,850.12	68.05
32 33 43 13-0265	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114I	1,890.56	90.89
32 33 43 13-0266	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C	1,460.27	68.05
32 33 43 13-0267	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I	1,498.68	90.89
32 33 43 13-0268	EA	6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C	1,664.38	68.05
32 33 43 13-0269	EA	6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I	1,702.78	90.89
32 33 43 13-0270		Miscellaneous *(32 33 43 13-0218)*		
32 33 43 13-0271	EA	4' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES500)	1,737.05	90.89
32 33 43 13-0272	EA	4' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES505)	1,445.66	68.05
32 33 43 13-0273	EA	6' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES520)	2,031.40	90.89
32 33 43 13-0274	EA	6' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES525)	1,737.86	68.05
32 33 43 13-0275	EA	8' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES527)	2,845.68	90.89
32 33 43 13-0276	EA	8' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES528)	2,401.74	68.05
32 33 43 13-0277		Benches, Concrete (Quick Crete) *(32 33 43 13)*		
32 33 43 13-0278	EA	84" Long, Concrete Park Bench With Back (Quick Crete Q1PS84B)	2,433.36	121.52
32 33 43 13-0279		Other Benches *(32 33 43 13)*		
32 33 43 13-0280	EA	6' Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount	3,919.97	89.92
32 33 43 53		**Site Tables** *(32 33 43)*		
32 33 43 53-0001		Tables *(32 33 43 53)*		
32 33 43 53-0002		Tables (Wabash) *(32 33 43 53-0001)*		
32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,570.08	87.49
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	7,783.70	87.49
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,363.91	87.49
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,535.17	97.21
32 33 43 53-0007		Tables (Landscapeforms) *(32 33 43 53-0001)*		
32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	815.68	90.89
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,018.54	90.89
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,018.54	90.89
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,018.54	90.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	3,062.84	90.89
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,722.04	90.89
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,409.63	90.89
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,417.97	87.49
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,277.23	68.05
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,067.77	68.05
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,830.53	87.49
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,722.04	90.89
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,722.04	90.89
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,531.44	90.89
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,531.44	90.89
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,906.64	90.89
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,906.64	90.89
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,716.04	90.89
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,716.04	90.89
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,835.64	90.89
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,835.64	90.89
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,701.84	90.89
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,701.84	90.89
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,020.24	90.89
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,020.24	90.89
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,886.44	90.89
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,886.44	90.89
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,892.44	90.89
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,892.44	90.89
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,716.04	90.89
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,716.04	90.89
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,077.04	90.89
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,077.04	90.89
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,900.64	90.89
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,900.64	90.89
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,034.44	90.89
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,034.44	90.89
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,929.04	90.89
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,929.04	90.89
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,219.04	90.89
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,219.04	90.89
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,113.64	90.89
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,113.64	90.89
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,527.29	90.89
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,527.29	90.89
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,326.04	90.89
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,326.04	90.89
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,628.72	90.89
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,628.72	90.89
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,414.79	90.89
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,414.79	90.89
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,641.40	90.89
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,641.40	90.89
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,478.19	90.89
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,478.19	90.89
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,730.15	90.89
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,730.15	90.89
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,566.94	90.89
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,566.94	90.89
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,692.11	90.89
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,692.11	90.89
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,503.54	90.89
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,503.54	90.89
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,787.20	90.89
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,787.20	90.89
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,592.29	90.89
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,592.29	90.89
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,850.60	90.89
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,850.60	90.89
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,750.78	90.89
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,750.78	90.89
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,939.35	90.89
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,939.35	90.89
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,839.53	90.89
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,839.53	90.89

32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*

32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,754.94	113.55
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,802.86	113.55
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,012.66	113.55
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,002.36	113.55
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,673.64	113.55
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	2,906.51	113.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,280.67	113.55
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,484.43	113.55
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	2,979.29	113.55
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,183.05	113.55
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,813.15	113.55
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,644.53	113.55
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,848.30	113.55
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,478.40	113.55
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,284.93	113.55
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,517.80	113.55
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,838.00	113.55
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,070.87	113.55
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,813.15	113.55
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,046.02	113.55
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,813.15	113.55
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,046.02	113.55
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,130.58	45.40
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,509.00	45.40
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	325.15	22.74
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,284.93	113.55
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,750.67	113.55
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,517.80	113.55
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	3,983.55	113.55
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,648.79	113.55
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,114.54	113.55
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	3,881.66	113.55
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,347.41	113.55
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,080.88	45.40
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,459.30	45.40
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,444.75	45.40
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	3,823.16	45.40
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	7,753.16	113.55
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	8,568.21	113.55
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	7,753.16	113.55
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	8,568.21	113.55
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	1,916.81	113.55
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,106.02	113.55
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,295.22	113.55
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,047.80	113.55
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,237.01	113.55
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,426.22	113.55
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,873.14	113.55
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,004.13	113.55
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,135.12	113.55
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,004.13	113.55
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,135.12	113.55
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,266.12	113.55
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,814.93	113.55
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,004.13	113.55
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,193.34	113.55
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,814.93	113.55
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,004.13	113.55
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,193.34	113.55
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,814.93	113.55
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,004.13	113.55
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,193.34	113.55
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,727.60	113.55
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,858.59	113.55
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	1,989.58	113.55
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,727.60	113.55
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,858.59	113.55
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	1,989.58	113.55
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,727.60	113.55
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,858.59	113.55
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	1,989.58	113.55
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,654.83	113.55
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,844.04	113.55
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,033.24	113.55
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,785.82	113.55
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	1,975.03	113.55
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,164.23	113.55
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,538.39	113.55
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,654.83	113.55
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,785.82	113.55
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,654.83	113.55
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,785.82	113.55
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	1,916.81	113.55
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,742.15	113.55
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	1,931.36	113.55
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,120.57	113.55
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,742.15	113.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	1,931.36	113.55
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,120.57	113.55
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,742.15	113.55
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	1,931.36	113.55
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,120.57	113.55
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,640.27	113.55
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,771.26	113.55
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,902.25	113.55
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,640.27	113.55
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,771.26	113.55
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,902.25	113.55
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,640.27	113.55
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,771.26	113.55
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,902.25	113.55
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,538.39	113.55
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,596.61	113.55
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,654.83	113.55
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,669.38	113.55
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,727.60	113.55
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,785.82	113.55
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,523.84	113.55
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,567.50	113.55
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,611.16	113.55
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,654.83	113.55
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,698.49	113.55
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,742.15	113.55
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,567.50	113.55
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,625.72	113.55
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,683.94	113.55
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,567.50	113.55
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,625.72	113.55
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,683.94	113.55
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,567.50	113.55
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,625.72	113.55
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,683.94	113.55
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,567.50	113.55
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,611.16	113.55
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,654.83	113.55
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,567.50	113.55
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,611.16	113.55
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,654.83	113.55
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,567.50	113.55
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,611.16	113.55
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,654.83	113.55
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,596.61	113.55
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,654.83	113.55
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,713.04	113.55
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,727.60	113.55
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,785.82	113.55
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,844.04	113.55
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,698.49	113.55
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,742.15	113.55
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,785.82	113.55
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,829.48	113.55
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,873.14	113.55
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	1,916.81	113.55
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,669.38	113.55
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,727.60	113.55
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,785.82	113.55
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,669.38	113.55
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,727.60	113.55
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,785.82	113.55
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,669.38	113.55
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,727.60	113.55
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,785.82	113.55
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,771.26	113.55
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,814.93	113.55
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,858.59	113.55
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,771.26	113.55
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,814.93	113.55
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,858.59	113.55
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,771.26	113.55
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,814.93	113.55
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,858.59	113.55
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,349.18	113.55
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,392.85	113.55
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,436.51	113.55
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,480.17	113.55
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,523.84	113.55
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,567.50	113.55
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,596.61	113.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,654.83	113.55
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,713.04	113.55
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,436.51	113.55
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,494.73	113.55
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,552.94	113.55
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,320.07	113.55
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,363.74	113.55
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,407.40	113.55
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,451.06	113.55
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,494.73	113.55
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,538.39	113.55
32 33 43 53-0264		Picnic Tables *(32 33 43 53)*		
32 33 43 53-0265		Wooden Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	890.43	72.92
32 33 43 53-0267		Portable Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,465.21	48.61
32 33 43 53-0269	EA	6' Aluminum Table And Frame	2,126.32	48.61
32 33 43 53-0270	EA	8' Aluminum Table And Frame	2,537.13	60.76
32 33 43 53-0271	EA	6' Steel Table And Frame	1,285.92	48.61
32 33 43 53-0272	EA	8' Steel Table And Frame	1,472.74	60.76
32 33 43 53-0273		Concrete Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,549.09	194.43
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	2,943.35	
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	2,952.76	
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	3,123.64	
32 33 43 53-0278		Plastic Picnic Tables *(32 33 43 53-0264)* Note: Manufactured from recycled plastic.		
32 33 43 53-0279		Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0278)*		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,749.62	72.92
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,919.98	72.92
32 33 43 53-0282		Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0278)*		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,302.07	72.92
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,530.84	72.92
32 33 43 53-0285		Recycled Plastic Tables *(32 33 43 53-0278)*		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	3,024.05	72.92
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,513.87	72.92
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,748.33	72.92
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,568.26	72.92
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	3,239.29	72.92
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,277.24	58.33
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		Picnic Grills *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	431.02	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	461.11	
32 33 63		**Skate Board Deterrent** *(32 33)*		
32 33 63 00-0001		Skate Stoppers *(32 33 63)*		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	65.16	
		For >59 To 99, Deduct	*-6.93*	
		For >99 To 249, Deduct	*-8.77*	
		For >249, Deduct	*-10.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	68.96	
		For >59 To 99, Deduct	*-7.47*	
		For >99 To 249, Deduct	*-9.41*	
		For >249, Deduct	*-11.36*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	48.99	
		For >59 To 99, Deduct	*-4.67*	
		For >99 To 249, Deduct	*-6.02*	
		For >249, Deduct	*-7.37*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	39.45	
		For >59 To 99, Deduct	*-3.34*	
		For >99 To 249, Deduct	*-4.40*	
		For >249, Deduct	*-5.46*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	43.02	
		For >59 To 99, Deduct	*-3.83*	
		For >99 To 249, Deduct	*-5.00*	
		For >249, Deduct	*-6.17*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	41.21	
		For >59 To 99, Deduct	*-3.58*	
		For >99 To 249, Deduct	*-4.70*	
		For >249, Deduct	*-5.81*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	38.87	
		For >59 To 99, Deduct	*-3.25*	
		For >99 To 249, Deduct	*-4.30*	
		For >249, Deduct	*-5.34*	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	53.42	
		For >59 To 99, Deduct	*-5.29*	
		For >99 To 249, Deduct	*-6.77*	
		For >249, Deduct	*-8.25*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	97.09	
		For >59 To 99, Deduct	*-11.40*	
		For >99 To 249, Deduct	*-14.20*	
		For >249, Deduct	*-16.99*	

32 35 Screening Devices *(32 30)*

32 35 13 Screens and Louvers *(32 35)*

32 35 13 00-0001 Roof Screen System *(32 35 13)*

32 35 13 00-0002	SF	Roof Screen System Note: Includes panels with bolted connection wall or roof mounted support frames, inside an outside corners, and gates as necessary.	91.55
32 35 13 00-0003	SF	Roof Screen System (Ruskin EV 700) Note: Includes panels with bolted connection wall or roof mounted support frames, inside an outside corners, and acessories as necessary.	92.55

32 35 16 Sound Barriers *(32 35)*

32 35 16 00-0001 Acoustical K-Rail Mounted Sound Wall (Rental) *(32 35 16)*

32 35 16 00-0002	LF	Freight/Delivery And Installation Of Rented 16' High, Dual K-Rail Mounted STC-32 Sound Wall	51.27
32 35 16 00-0003	EA	Freight/Delivery And Installation Of Rented 20' K-Rail For Dual K-Rail Mounted Sound Wall	284.60
32 35 16 00-0004	LF	16' High, Dual K-Rail Mounted STC-32 Sound Wall, Material Rental Per Month Note: Includes rental material only per LF per Month.	31.20
32 35 16 00-0005	EA	20' K-Rail For Dual K-Rail Mounted Sound Wall, Material Rental Per Each Note: Includes rental material only per each 20' section per Month.	121.31
32 35 16 00-0006	LF	Freight/Return And Removal Of Rented 16' High, Dual K-Rail Mounted STC-32 Sound Wall	47.51
32 35 16 00-0007	EA	Freight/Return And Removal Of Rented 20' K-Rail For Dual K-Rail Mounted Sound Wall	284.60

32 35 16 00-0008 Acoustical K-Rail Mounted Sound Wall (Purchase) *(32 35 16)*

32 35 16 00-0009	LF	16' High, Dual K-Rail Mounted STC-32 Sound Wall (Purchase) Note: Includes freight/delivery, installation and material.	883.14
32 35 16 00-0010	EA	20' K-Rail For Dual K-Rail Mounted Sound Wall (Purchase) Note: Includes freight/delivery, installation and material.	1,324.43

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0083 for concrete core drilling, 02 41 19 13-0221 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0001		Metal Pipe Bollards *(32 39 13)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002		Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*		
32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	114.83	13.17
		For Galvanized Steel, Add	*15.05*	
		For 304 Stainless Steel, Add	*119.48*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*129.32*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*90.58*	
		For Schedule 80, Add	*15.91*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*9.46*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	165.93	13.17
		For Galvanized Steel, Add	*23.73*	
		For 304 Stainless Steel, Add	*188.46*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*129.32*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*90.58*	
		For Schedule 80, Add	*23.57*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*13.24*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	239.98	16.46
		For Galvanized Steel, Add	*35.20*	
		For 304 Stainless Steel, Add	*279.52*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*169.72*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*134.02*	
		For Schedule 80, Add	*34.35*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*17.68*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	322.80	19.75
		For Galvanized Steel, Add	*48.16*	
		For 304 Stainless Steel, Add	*382.44*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*196.04*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*147.18*	
		For Schedule 80, Add	*46.44*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*21.56*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	404.24	26.33
		For Galvanized Steel, Add	*59.77*	
		For 304 Stainless Steel, Add	*474.61*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*269.72*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*202.23*	
		For Schedule 80, Add	*58.00*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*25.07*	
32 39 23		**Manufactured Concrete Bollards** *(32 39)*		
32 39 23 00-0001		Concrete Bollards *(32 39 23)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002		Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*		
32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	562.92	105.35
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	562.92	105.35
32 39 23 00-0005		Poured In Place Concrete Bollard With Powder Coated Steel Exterior *(32 39 23 00-0001)* Note: Includes high visibility powder coated steel exterior with welded anchoring tabs for embedding in concrete. Excludes excavation and concrete foundation.		
32 39 23 00-0006	EA	24" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	246.47	52.68
32 39 23 00-0007	EA	36" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	316.23	52.68
32 39 23 00-0008	EA	42" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	362.83	52.68
32 39 23 00-0009	EA	48" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	407.03	52.68
32 39 25		**Manufactured Wood Bollards** *(32 39)*		
32 39 25 00-0001		Wood Bollards *(32 39 25)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002		Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*		
32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	23.74	10.54
		For Each Sleeve For Removable, Lockable Bollard, Add	*89.16*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	26.56	10.54
		For Each Sleeve For Removable, Lockable Bollard, Add	*89.16*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	33.48	11.85
		For Each Sleeve For Removable, Lockable Bollard, Add	*132.62*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	46.84	15.80
		For Each Sleeve For Removable, Lockable Bollard, Add	*148.42*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	64.06	21.07
		For Each Sleeve For Removable, Lockable Bollard, Add	*205.37*	
32 39 27		**Manufactured Plastic Bollards** *(32 39)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0001		Plastic Bollards *(32 39 27)*		
		See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002		Recycled Plastic Bollards *(32 39 27 00-0001)*		
32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard	352.12	52.68
		Note: Includes anchor bolts.		
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	571.81	52.68
32 39 27 00-0005		Plastic Bollard Covers *(32 39 27 00-0001)*		
32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	90.25	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	97.60	13.75
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	122.88	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	122.88	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	138.11	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	122.88	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	125.06	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	122.88	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	125.06	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	175.09	12.50
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	125.37	13.75
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	160.18	13.75
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	182.44	13.75
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	153.98	15.01
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	167.03	15.01
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	167.03	15.01
		For Reflective Tape, Add	*10.36*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	225.79	15.01
		For Reflective Tape, Add	*10.36*	
32 39 29		**Manufactured Stone Bollards** *(32 39)*		
32 39 29 00-0001		Stone Bollards *(32 39 29)*		
32 39 29 00-0002		Granite Bollards *(32 39 29 00-0001)*		
32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish	1,450.45	131.69
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish	1,836.38	184.36
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top	897.92	131.69
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish	1,333.02	105.35
		Note: Flat Top, surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section	1,991.31	105.35
		Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.		
32 80		**Irrigation** *(32)*		
32 84		**Planting Irrigation** *(32 80)*		
32 84 13		**Drip Irrigation** *(32 84)*		
32 84 13 00-0001		Drip Emitter Irrigation Devices *(32 84 13)*		
32 84 13 00-0002		Drip Emitter Irrigation Valves *(32 84 13 00-0001)*		
32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	50.88	11.48
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	85.73	11.48
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	83.30	11.48
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	116.04	11.48
32 84 13 00-0007		Drip Emitter Irrigation Filters *(32 84 13 00-0001)*		
32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	185.24	11.48
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	187.04	11.48
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	66.10	11.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	67.54	11.48
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	202.01	11.48
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	87.77	11.48
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	99.06	11.48
32 84 13 00-0015		**Drip Emitter Irrigation Pressure Regulators** *(32 84 13 00-0001)*		
32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	64.64	11.48
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	64.64	11.48
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	64.64	11.48
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	76.50	11.48
32 84 13 00-0020		**Drip Emitter Irrigation Tubing** *(32 84 13 00-0001)*		
		Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.56	1.61
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.03	1.83
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.42	1.61
		For Shallow Trenching And Backfill By Hand, Add	*6.60*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.13	1.83
		For Shallow Trenching And Backfill By Hand, Add	*7.14*	
32 84 13 00-0025		**Drip Emitter Irrigation Fittings** *(32 84 13 00-0001)*		
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.09	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.13	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.19	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.41	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.05	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.30	
		For Compression Fitting, Add	*0.43*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.42	
		For Compression Fitting, Add	*0.55*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.48	
		For Compression Fitting, Add	*0.61*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.52	
		For Compression Fitting, Add	*0.65*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	3.78	
		For Compression Fitting, Add	*0.91*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.07	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.01	
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	6.40	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	7.55	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	16.76	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	24.75	10.33
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	24.81	10.33
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	28.00	10.33
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	28.34	10.33
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	41.92	13.55
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	46.02	13.55
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	48.95	13.55
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)*		
		Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	4.63	2.01

32 84 23 Underground Sprinklers *(32 84)*

32 84 23 00-0001 Sprinkler Heads *(32 84 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	36.61	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	34.28	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	42.91	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	50.13	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	37.53	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	49.67	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	55.52	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	40.99	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	52.06	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	57.51	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	42.37	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	59.36	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	64.74	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	29.75	12.68
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	35.15	12.68
32 84 23 00-0018		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	53.67	12.68
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	55.59	12.68
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		**3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	49.06	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	69.81	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	52.90	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	72.89	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	54.44	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	57.51	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	77.50	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	89.80	12.68
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	57.13	12.68
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	69.43	12.68
		For Non-Potable Cover, Add	*2.00*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0033			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034		EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	98.64	12.68
			For Non-Potable Cover, Add	*2.00*	
			For Stainless Steel Riser, Add	*9.00*	
			For Stainless Steel Riser And High Speed Rotor, Add	*56.58*	
32 84 23 00-0035			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036		EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	143.22	12.68
			For Non-Potable Cover, Add	*2.00*	
			For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037			Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*		
			Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038		EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	77.12	12.68
			For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039		EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	58.67	12.68
32 84 23 00-0040		EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	120.13	12.68
32 84 23 00-0041			Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0042			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*		
			Note: 15 to 150 PSI.		
32 84 23 00-0043		EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	154.38	52.87
32 84 23 00-0044		EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	154.38	52.87
32 84 23 00-0045		EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	169.49	60.26
32 84 23 00-0046		EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	155.91	52.87
32 84 23 00-0047			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
			Note: 15 to 150 PSI.		
32 84 23 00-0048		EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	155.91	52.87
32 84 23 00-0049		EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	171.79	60.26
32 84 23 00-0050		EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	173.33	60.26
32 84 23 00-0051			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0041)*		
			Note: 20 to 200 PSI.		
32 84 23 00-0052		EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	278.90	52.87
32 84 23 00-0053		EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	332.71	52.87
32 84 23 00-0054		EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	401.89	52.87
32 84 23 00-0055			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0041)*		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056		EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	408.89	59.42
32 84 23 00-0057		EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	462.70	59.42
32 84 23 00-0058		EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	531.88	59.42
32 84 23 00-0059			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0041)*		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060		EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	485.76	59.42
32 84 23 00-0061		EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	539.57	59.42
32 84 23 00-0062		EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	608.75	59.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0063		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	431.94	52.87
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	679.32	52.87
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	701.68	52.87
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,681.99	71.37
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	392.21	59.42
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	465.78	59.42
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	545.64	59.42
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	650.80	59.42
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	530.49	59.42
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	823.98	59.42
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	849.14	59.42
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,807.89	59.42
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	543.75	52.87
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	791.12	52.87
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	813.48	52.87
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,793.80	71.37
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	507.52	59.42
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	581.08	59.42
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	660.95	59.42
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	766.10	59.42
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	642.29	59.42
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	935.79	59.42
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	960.95	59.42
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,919.70	59.42
32 84 23 00-0093		**Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	157.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0095		**Remote Control Valve Assemblies** *(32 84 23 00-0041)*		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	571.83	132.17
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	625.64	132.17
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	694.82	132.17
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	648.70	132.17
		Note: Purple components for use with recycled water		
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	702.51	132.17
		Note: Purple components for use with recycled water		
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	771.69	132.17
		Note: Purple components for use with recycled water		
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	670.46	132.17
		Note: Purple components for use with recycled water		
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	823.88	132.17
		Note: Purple components for use with recycled water		
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	929.04	132.17
		Note: Purple components for use with recycled water		
32 84 23 00-0105		**Irrigation Valve Boxes** *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	90.59	38.06
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	108.75	38.06
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	142.59	50.12
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	237.23	73.17
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	242.40	73.17
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	279.45	73.17
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	283.86	73.17
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	495.60	73.17
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	769.85	73.17
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	481.11	145.72
		For 12" Extension, Add	*102.67*	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	750.53	145.72
		For 12" Extension, Add	*102.67*	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	193.99	63.44
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	281.78	73.17
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	149.06	50.12
32 84 23 00-0120		**Irrigation Controllers** *(32 84 23)*		
		See CSI section 27 15 13 00-0256 for low voltage wiring.		
32 84 23 00-0121		**Irrigation Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0122		**Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0121)*		
32 84 23 00-0123		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)** *(32 84 23 00-0122)*		
32 84 23 00-0124		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0123)*		
32 84 23 00-0125		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)** *(32 84 23 00-0124)*		
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	441.93	38.89
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	616.94	38.89
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	791.95	38.89
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	966.97	38.89
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,103.09	38.89
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,282.97	38.89
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,462.85	38.89
32 84 23 00-0133		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0124)*		
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	520.56	38.89
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	695.57	38.89
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	870.58	38.89
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,045.60	38.89
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,181.72	38.89
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,361.60	38.89
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,541.48	38.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0141		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0123)*		
32 84 23 00-0142		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0141)*		
32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	715.06	38.89
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	890.07	38.89
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,065.09	38.89
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,240.10	38.89
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,376.23	38.89
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,556.11	38.89
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,735.98	38.89
32 84 23 00-0150		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0141)*		
32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	773.98	38.89
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	948.99	38.89
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,124.01	38.89
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,299.02	38.89
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,435.14	38.89
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,615.03	38.89
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,794.90	38.89
32 84 23 00-0158		Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0123)*		
32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	179.87	
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	343.35	
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	500.01	
32 84 23 00-0162		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0122)*		
32 84 23 00-0163		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) *(32 84 23 00-0162)*		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,055.26	38.89
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,276.22	38.89
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,501.00	38.89
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,721.96	38.89
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,946.74	38.89
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,167.71	38.89
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,392.48	38.89
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,613.44	38.89
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,838.22	38.89
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	3,059.18	38.89
32 84 23 00-0174		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0162)*		
32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,063.11	38.89
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,284.06	38.89
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,508.84	38.89
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,729.80	38.89
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,954.58	38.89
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,175.55	38.89
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,400.33	38.89
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,621.29	38.89
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,846.06	38.89
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,067.03	38.89
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,291.80	38.89
32 84 23 00-0186		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0162)*		
32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	793.15	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,843.72	
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,756.03	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,902.95	
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	220.96	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	445.74	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	692.92	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	258.91	
32 84 23 00-0195		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0122)*		
32 84 23 00-0196		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0195)*		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	517.07	38.89
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	622.68	38.89
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	769.09	38.89
32 84 23 00-0200		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0195)*		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	667.34	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	128.69	29.16
32 84 23 00-0203		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0122)*		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	179.58	29.16
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	371.75	29.16
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	394.63	29.16
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	592.93	29.16
32 84 23 00-0208		Two-Wire Decoder Systems *(32 84 23 00-0120)*		
32 84 23 00-0209		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0208)*		
32 84 23 00-0210		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0209)* Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,089.65	38.89
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,361.24	38.89
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	5,632.82	38.89
32 84 23 00-0214		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)*		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	375.90	38.89
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	479.25	38.89
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	719.07	38.89
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	880.72	38.89
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,464.50	38.89
32 84 23 00-0220		Accessories For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)*		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	2,287.71	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,271.59	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	283.69	34.03
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,307.96	38.89
32 84 23 00-0225		Calsense Controllers *(32 84 23 00-0120)*		
32 84 23 00-0226		Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0227	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,815.44	97.21
32 84 23 00-0228	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,632.15	109.36
32 84 23 00-0229	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	4,985.24	121.52
32 84 23 00-0230	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,485.06	121.52
32 84 23 00-0231	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,484.62	133.67
32 84 23 00-0232	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	7,825.60	133.67
32 84 23 00-0233	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	8,861.74	145.82
32 84 23 00-0234	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	9,922.33	145.82
32 84 23 00-0235	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,867.83	48.61
32 84 23 00-0236	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,205.46	48.61
32 84 23 00-0237		Irrigation Controller Accessories *(32 84 23 00-0225)*		
32 84 23 00-0238	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	117.03	
32 84 23 00-0239	EA	Spare Lock For Enclosures (Calsense PAD)	126.78	
32 84 23 00-0240	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	151.09	12.15
32 84 23 00-0241	EA	Transformer For Irrigation Controllers (Calsense TR-1)	219.12	48.61
32 84 23 00-0242	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	597.03	48.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0243	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	792.08	48.61
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*366.40*	
32 84 23 00-0244		**Sensors For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0245		**Flow Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0246	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,389.28	72.92
		For Flow Meter Replacement Insert Only, Deduct	*-997.06*	
32 84 23 00-0247	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,438.04	72.92
		For Flow Meter Replacement Insert Only, Deduct	*-1,045.82*	
32 84 23 00-0248	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,486.80	72.92
		For Flow Meter Replacement Insert Only, Deduct	*-1,094.58*	
32 84 23 00-0249	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,645.13	97.21
		For Flow Meter Replacement Insert Only, Deduct	*-1,252.60*	
32 84 23 00-0250	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,767.04	97.21
		For Flow Meter Replacement Insert Only, Deduct	*-1,374.51*	
32 84 23 00-0251	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,815.80	97.21
		For Flow Meter Replacement Insert Only, Deduct	*-1,423.27*	
32 84 23 00-0252	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,132.76	97.21
		For Flow Meter Replacement Insert Only, Deduct	*-1,612.05*	
32 84 23 00-0253	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,657.63	48.61
		For Flow Meter Replacement Insert Only, Deduct	*-1,136.92*	
32 84 23 00-0254		**Moisture Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0255	EA	Soil Moisture Sensor (Calsense 1000-S)	584.93	36.46
32 84 23 00-0256		**Weather Sensors** *(32 84 23 00-0244)*		
32 84 23 00-0257	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,596.37	97.21
32 84 23 00-0258	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,839.56	194.43
32 84 23 00-0259	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,644.10	145.82
32 84 23 00-0260		**Weather Sensor Accessories** *(32 84 23 00-0244)*		
32 84 23 00-0261	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,072.47	
32 84 23 00-0262	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,023.35	
32 84 23 00-0263	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,072.47	48.61
32 84 23 00-0264	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,474.57	48.61
32 84 23 00-0265		**Antennas For Irrigation Controllers** *(32 84 23 00-0225)* Note: Excludes antenna cable.		
32 84 23 00-0266	EA	Local Radio Dome Antenna (Calsense LR-DOME)	560.46	48.61
32 84 23 00-0267	EA	Local Radio Stick Antenna (Calsense LR-STICK)	816.46	48.61
32 84 23 00-0268	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	913.68	97.21
32 84 23 00-0269	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	560.46	48.61
32 84 23 00-0270	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	560.46	48.61
32 84 23 00-0271	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	560.46	48.61
32 84 23 00-0272	EA	GPRS Stick Antenna (Calsense GR-STICK)	816.46	48.61
32 84 23 00-0273	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	560.46	48.61
32 84 23 00-0274	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	816.46	48.61
32 84 23 00-0275	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	913.68	97.21
32 84 23 00-0276	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	560.46	48.61
32 84 23 00-0277	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	560.46	48.61
32 84 23 00-0278	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	560.46	48.61
32 84 23 00-0279	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	560.46	48.61
32 84 23 00-0280	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.30	0.58
32 84 23 00-0281	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	560.62	24.31
32 84 23 00-0282	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	913.99	48.61
32 84 23 00-0283	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	792.40	
32 84 23 00-0284	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,121.55	
32 84 23 00-0285	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	828.97	
32 84 23 00-0286		**Pedestals And Enclosures For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0287	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	511.54	72.92
32 84 23 00-0288	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,240.46	121.52
32 84 23 00-0289	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	1,377.24	48.61
32 84 23 00-0290	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	1,645.53	36.46
32 84 23 00-0291	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	5,158.13	36.46
32 84 23 00-0292	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	5,826.95	36.46
32 84 23 00-0293	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,454.37	72.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0294	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	8,861.65	72.92
32 84 23 00-0295	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	290.29	
32 84 23 00-0296	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	938.46	
32 84 23 00-0297		**Central Computer For Irrigation Control Systems** *(32 84 23 00-0225)*		
32 84 23 00-0298	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,502.89	
32 84 23 00-0299	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	11,512.19	
32 84 23 00-0300	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,209.70	
32 84 23 00-0301	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,351.34	
32 84 23 00-0302	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,006.29	
32 84 23 00-0303	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,189.18	
32 84 23 00-0304		**Data Access Service** *(32 84 23 00-0225)*		
32 84 23 00-0305	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	35.46	
32 84 23 00-0306	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	387.89	
32 84 23 00-0307	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	1,662.38	
32 84 23 00-0308	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	144.07	
32 84 23 00-0309	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	1,551.55	
32 84 23 00-0310	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	6,649.50	
32 84 23 00-0311		**Communication Options For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0312	EA	FCC License Fee (Calsense)	237.01	
32 84 23 00-0313	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	458.66	
32 84 23 00-0314	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,285.57	
32 84 23 00-0315	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,352.06	
32 84 23 00-0316	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,352.06	
32 84 23 00-0317	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,770.62	
32 84 23 00-0318	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,524.24	
32 84 23 00-0319	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,524.24	
32 84 23 00-0320	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,524.24	
32 84 23 00-0321	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,304.15	
32 84 23 00-0322	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,354.16	
32 84 23 00-0323		**Retrofit Options For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0324		**Weather Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0325	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,726.34	
32 84 23 00-0326	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,726.34	
32 84 23 00-0327	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,726.34	
32 84 23 00-0328	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,726.34	
32 84 23 00-0329		**Phone Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0330	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,815.00	
32 84 23 00-0331	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,147.47	
32 84 23 00-0332	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,444.13	
32 84 23 00-0333		**Local Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0334	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,036.65	
32 84 23 00-0335	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,297.48	
32 84 23 00-0336	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,583.05	
32 84 23 00-0337		**Spread Spectrum Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0338	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,036.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0339	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,297.48	
32 84 23 00-0340	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,583.05	
32 84 23 00-0341		**Ethernet Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0342	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,036.65	
32 84 23 00-0343	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,147.47	
32 84 23 00-0344	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,444.13	
32 84 23 00-0345		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0346	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,036.65	
32 84 23 00-0347	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,297.48	
32 84 23 00-0348	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,583.05	
32 84 23 00-0349		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0350	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,047.73	
32 84 23 00-0351	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	438.87	
32 84 23 00-0352	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	188.40	
32 84 23 00-0353	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	334.62	
32 84 23 00-0354	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	212.71	12.15
32 84 23 00-0355	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	412.20	12.15
32 84 23 00-0356	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	445.45	12.15
32 84 23 00-0357		**Hydro-Safe WeatherTrak Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0358		**Front Entry Pedestal Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 Commercial controller assembly in StrongBox SB-18SS enclosure.		
32 84 23 00-0359	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC12S)	8,742.08	121.52
32 84 23 00-0360	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC18S)	9,305.55	121.52
32 84 23 00-0361	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC24S)	9,893.32	133.67
32 84 23 00-0362	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC30S)	10,574.18	133.67
32 84 23 00-0363	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC36S)	11,137.65	133.67
32 84 23 00-0364	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC42S)	11,701.95	145.82
32 84 23 00-0365	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC48S)	12,265.42	145.82
32 84 23 00-0366		**Back-to-Back Dual Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 Dual back-to-back controller assembly in StrongBox SB-18DSS enclosure.		
32 84 23 00-0367	EA	12+18 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1218S)	16,139.29	145.82
32 84 23 00-0368	EA	12+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1224S)	16,679.28	145.82
32 84 23 00-0369	EA	12+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1236S)	17,892.07	165.26
32 84 23 00-0370	EA	12+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1242S)	18,525.98	165.26
32 84 23 00-0371	EA	18+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1824S)	17,242.76	145.82
32 84 23 00-0372	EA	18+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1836S)	18,525.98	165.26
32 84 23 00-0373	EA	18+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1842S)	19,089.45	165.26
32 84 23 00-0374	EA	24+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2424S)	17,845.12	165.26
32 84 23 00-0375	EA	24+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2436S)	19,089.45	165.26
32 84 23 00-0376	EA	24+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2442S)	19,668.34	184.71
32 84 23 00-0377	EA	36+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3636S)	20,372.68	184.71
32 84 23 00-0378	EA	36+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3642S)	20,912.67	184.71
32 84 23 00-0379	EA	42+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC4242S)	21,515.02	204.15
32 84 23 00-0380		**Wall Mount/Retrofit Mount Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 wall mount / retrofit controller assembly.		
32 84 23 00-0381	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC12S)	5,337.77	121.52
32 84 23 00-0382	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC18S)	5,807.33	121.52
32 84 23 00-0383	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC24S)	6,395.10	133.67
32 84 23 00-0384	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC30S)	7,075.96	133.67
32 84 23 00-0385	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC36S)	7,639.43	133.67
32 84 23 00-0386	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC42S)	8,227.20	145.82
32 84 23 00-0387		**Top Mount Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 stainless steel top mount controller assembly.		
32 84 23 00-0388	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC12S)	9,305.55	121.52
32 84 23 00-0389	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC18S)	9,869.02	121.52

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32 84 23 00-0390	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC24S)	10,480.27	133.67
32 84 23 00-0391	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC30S)	11,137.65	133.67
32 84 23 00-0392	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC36S)	11,701.13	133.67
32 84 23 00-0393	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC42S)	12,288.90	145.82
32 84 23 00-0394	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC48S)	12,828.89	145.82
32 84 23 00-0395		**Wall Mount Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 stainless steel wall mount controller assembly.		
32 84 23 00-0396	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC12S)	6,887.31	121.52
32 84 23 00-0397	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC18S)	7,450.79	121.52
32 84 23 00-0398	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC24S)	8,038.56	133.67
32 84 23 00-0399	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC30S)	8,719.42	133.67
32 84 23 00-0400	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC36S)	9,282.89	133.67
32 84 23 00-0401	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC42S)	9,870.66	145.82
32 84 23 00-0402	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC48S)	10,410.66	145.82
32 84 23 00-0403		**Accessories** *(32 84 23 00-0357)*		
32 84 23 00-0404	EA	WeatherTRAK Central Internet Management Upgrade (HydroPoint WTEXB-PRO2-CIM)	2,558.41	
32 84 23 00-0405	EA	Central Pancake Antenna (HydroPoint ANT-GRPS-PC)	392.74	
32 84 23 00-0406	EA	Central Antenna Amplifier Kit (HydroPoint ANT-AMP-C-Kit)	3,215.79	
32 84 23 00-0407	EA	Central Antenna Amplifier Kit With YAGI Antenna (HydroPoint ANT-AMP-C-Yagi-Kit)	4,213.61	
32 84 23 00-0408	EA	6-Station Key - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-6STA-KEY)	799.58	
32 84 23 00-0409	EA	24-Station Output Board - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-STA-EXT-BRD)	1,173.21	
32 84 23 00-0410		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0120)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0411	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,803.54	218.74
32 84 23 00-0412	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,065.77	230.89
32 84 23 00-0413	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,035.86	243.04
32 84 23 00-0414		**LEIT Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0415		**LEIT X Series Irrigation Controller** *(32 84 23 00-0414)*		
32 84 23 00-0416	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,515.86	38.89
32 84 23 00-0417	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,954.80	38.89
32 84 23 00-0418	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,671.55	38.89
32 84 23 00-0419	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,388.31	38.89
32 84 23 00-0420	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,895.30	38.89
32 84 23 00-0421	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,402.31	38.89
32 84 23 00-0422		**LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0414)* Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0423	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,111.38	200.69
32 84 23 00-0424	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,550.33	200.69
32 84 23 00-0425	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,267.08	200.69
32 84 23 00-0426	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,983.83	200.69
32 84 23 00-0427	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,490.84	200.69
32 84 23 00-0428	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,997.83	200.69
32 84 23 00-0429		**Enclosure For LEIT Controller Assembly** *(32 84 23 00-0414)* Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0430	EA	12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	3,452.18	264.83
32 84 23 00-0431		**Hunter Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0432		**Hunter XC Hybrid Controller** *(32 84 23 00-0431)* Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0433	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	750.18	97.21
32 84 23 00-0434	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	954.45	121.52
32 84 23 00-0435		**DC Latching Solenoid** *(32 84 23 00-0120)*		
32 84 23 00-0436	EA	DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers Note: As per manufacture of valve.	42.37	
32 84 23 00-0437	EA	DC Solenoid For LEIT Controllers (DIG S-305DC)	66.00	
32 84 23 00-0438		**Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)* Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0439	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,336.34	534.31
32 84 23 00-0440	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,599.67	582.89
32 84 23 00-0441	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,976.94	631.46
32 84 23 00-0442	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,336.37	534.31
32 84 23 00-0443	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,599.67	582.89
32 84 23 00-0444	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,976.94	631.46
32 84 23 00-0445	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,139.25	534.31
32 84 23 00-0446	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,502.91	582.89
32 84 23 00-0447	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,880.18	631.46

32 84 23 00-0448 Irrigation Valves *(32 84 23)*

32 84 23 00-0449 Reduced Pressure Zone Valves With QT Shut-Offs *(32 84 23 00-0448)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

32 84 23 00-0450	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	871.43	43.63
32 84 23 00-0451	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,033.51	53.28
32 84 23 00-0452	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,567.34	62.00
32 84 23 00-0453	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,655.58	71.19
32 84 23 00-0454	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,984.41	91.85

32 84 23 00-0455 Brass Quick-Coupling Irrigation Valves *(32 84 23 00-0448)*

32 84 23 00-0456	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	182.97	38.06
		For Valve Key, Add	*56.50*	
32 84 23 00-0457	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	189.50	38.06
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*56.50*	
32 84 23 00-0458	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	261.38	38.06
		For Valve Key, Add	*144.51*	
32 84 23 00-0459	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	287.51	38.06
		For Valve Key, Add	*144.51*	
32 84 23 00-0460	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	275.21	38.06
32 84 23 00-0461	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	287.51	38.06

32 84 23 00-0462 Anti-Siphon Pressure Type Vacuum Breaker *(32 84 23 00-0448)*

Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.

32 84 23 00-0463	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	299.17	32.15
32 84 23 00-0464	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	430.39	36.74
32 84 23 00-0465	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	785.06	42.48
32 84 23 00-0466	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	956.58	47.07
32 84 23 00-0467	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	963.21	57.41

32 84 23 00-0468 Aluminum Cam And Groove Adapter *(32 84 23 00-0448)*

32 84 23 00-0469	EA	1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread	41.56	
32 84 23 00-0470	EA	2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread	43.91	
32 84 23 00-0471	EA	1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread	42.83	
32 84 23 00-0472	EA	2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread	46.28	

32 84 23 00-0473 Manual Sprinkler Control Valves *(32 84 23 00-0448)*

32 84 23 00-0474	EA	3/4" Manual Sprinkler Control Valves, With Union	100.41	31.00
32 84 23 00-0475	EA	1" Manual Sprinkler Control Valves, With Union	122.40	33.30
32 84 23 00-0476	EA	1-1/4" Manual Sprinkler Control Valves, With Union	188.86	42.14
32 84 23 00-0477	EA	1-1/2" Manual Sprinkler Control Valves, With Union	224.05	48.57
32 84 23 00-0478	EA	2" Manual Sprinkler Control Valves, With Union	301.55	57.41

32 84 23 00-0479 Irrigation Piping *(32 84 23)*

32 84 23 00-0480 Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0479)*

Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.

32 84 23 00-0481 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

32 84 23 00-0482	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.62	1.06
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0483	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.44	1.32
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0484	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.51	1.58
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0485	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	7.43	2.00
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0486	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	9.45	2.52
		For >1,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0487	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	12.59	2.94
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0488	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	17.04	4.23
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0489	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	22.73	5.29
		For >1,000, Deduct	*-1.14*	
32 84 23 00-0490	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	34.08	6.61
		For >1,000, Deduct	*-1.70*	

32 84 23 00-0491 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

32 84 23 00-0492	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.05	1.32
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0493	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.85	1.58
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0494	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.97	2.00
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0495	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	9.06	2.52
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0496	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	12.00	2.94
		For >1,000, Deduct	*-0.60*	
32 84 23 00-0497	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	16.81	4.23
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0498	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	23.95	5.29
		For >1,000, Deduct	*-1.20*	
32 84 23 00-0499	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	41.81	6.61
		For >1,000, Deduct	*-2.09*	

32 84 23 00-0500 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

32 84 23 00-0501	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.38	1.32
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0502	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.30	1.58
		For >1,000, Deduct	*-0.27*	
32 84 23 00-0503	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	7.83	2.00
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0504	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.49	2.52
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0505	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.27	2.94
		For >1,000, Deduct	*-0.71*	
32 84 23 00-0506	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	17.04	4.23
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0507	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	22.73	5.29
		For >1,000, Deduct	*-1.14*	
32 84 23 00-0508	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	34.83	6.61
		For >1,000, Deduct	*-1.74*	

32 84 23 00-0509 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

(32 84 23 00-0479)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0510 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0511	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.56	1.32
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0512	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.63	1.58
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0513	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.55	2.00
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0514	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.57	2.52
		For >1,000, Deduct	*-0.58*	
32 84 23 00-0515	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	14.71	2.94
		For >1,000, Deduct	*-0.74*	
32 84 23 00-0516	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	19.15	4.23
		For >1,000, Deduct	*-0.96*	
32 84 23 00-0517	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	24.85	5.29
		For >1,000, Deduct	*-1.24*	
32 84 23 00-0518	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	36.20	6.61
		For >1,000, Deduct	*-1.81*	

32 84 23 00-0519 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0520	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.83	1.32
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0521	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.89	1.58
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0522	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.81	2.00
		For >1,000, Deduct	*-0.49*	

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32 84 23 00-0523	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.83	2.52
		For >1,000, Deduct	*-0.59*	
32 84 23 00-0524	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	14.96	2.94
		For >1,000, Deduct	*-0.75*	
32 84 23 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	19.41	4.23
		For >1,000, Deduct	*-0.97*	
32 84 23 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	25.11	5.29
		For >1,000, Deduct	*-1.26*	
32 84 23 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	36.46	6.61
		For >1,000, Deduct	*-1.82*	

32 84 23 00-0528 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0529	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.09	1.32
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0530	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.15	1.58
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0531	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.07	2.00
		For >1,000, Deduct	*-0.50*	
32 84 23 00-0532	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.08	2.52
		For >1,000, Deduct	*-0.60*	
32 84 23 00-0533	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	15.22	2.94
		For >1,000, Deduct	*-0.76*	
32 84 23 00-0534	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	19.67	4.23
		For >1,000, Deduct	*-0.98*	
32 84 23 00-0535	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	25.36	5.29
		For >1,000, Deduct	*-1.27*	
32 84 23 00-0536	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	36.71	6.61
		For >1,000, Deduct	*-1.84*	

32 84 23 00-0537 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0538	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.35	1.32
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0539	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.29	1.58
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0540	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.58	2.00
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0541	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.25	2.52
		For >1,000, Deduct	*-0.61*	
32 84 23 00-0542	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	15.83	2.94
		For >1,000, Deduct	*-0.79*	
32 84 23 00-0543	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	18.93	4.23
		For >1,000, Deduct	*-0.95*	
32 84 23 00-0544	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	26.07	5.29
		For >1,000, Deduct	*-1.30*	
32 84 23 00-0545	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	43.93	6.61
		For >1,000, Deduct	*-2.20*	

32 84 23 00-0546 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0547	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.62	1.32
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0548	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.55	1.58
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0549	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.84	2.00
		For >1,000, Deduct	*-0.49*	
32 84 23 00-0550	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.51	2.52
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0551	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.08	2.94
		For >1,000, Deduct	*-0.80*	
32 84 23 00-0552	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	19.19	4.23
		For >1,000, Deduct	*-0.96*	
32 84 23 00-0553	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	26.33	5.29
		For >1,000, Deduct	*-1.32*	
32 84 23 00-0554	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	44.19	6.61
		For >1,000, Deduct	*-2.21*	

32 84 23 00-0555 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0556	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.88	1.32
		For >1,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0557	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.81	1.58
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0558	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	10.10	2.00
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0559	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.76	2.52
		For >1,000, Deduct	*-0.64*	
32 84 23 00-0560	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.34	2.94
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0561	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	19.45	4.23
		For >1,000, Deduct	*-0.97*	
32 84 23 00-0562	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	26.58	5.29
		For >1,000, Deduct	*-1.33*	
32 84 23 00-0563	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	44.44	6.61
		For >1,000, Deduct	*-2.22*	
32 84 23 00-0564		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*		
32 84 23 00-0565	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.49	1.32
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0566	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.41	1.58
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0567	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.95	2.00
		For >1,000, Deduct	*-0.50*	
32 84 23 00-0568	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.60	2.52
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0569	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.40	2.94
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0570	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	19.15	4.23
		For >1,000, Deduct	*-0.96*	
32 84 23 00-0571	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	24.85	5.29
		For >1,000, Deduct	*-1.24*	
32 84 23 00-0572	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	36.95	6.61
		For >1,000, Deduct	*-1.85*	
32 84 23 00-0573		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*		
32 84 23 00-0574	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.76	1.32
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0575	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.67	1.58
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0576	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.21	2.00
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0577	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.86	2.52
		For >1,000, Deduct	*-0.64*	
32 84 23 00-0578	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.65	2.94
		For >1,000, Deduct	*-0.83*	
32 84 23 00-0579	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	19.41	4.23
		For >1,000, Deduct	*-0.97*	
32 84 23 00-0580	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	25.11	5.29
		For >1,000, Deduct	*-1.26*	
32 84 23 00-0581	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	37.21	6.61
		For >1,000, Deduct	*-1.86*	
32 84 23 00-0582		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*		
32 84 23 00-0583	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.02	1.32
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0584	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.93	1.58
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0585	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.47	2.00
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0586	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.11	2.52
		For >1,000, Deduct	*-0.66*	
32 84 23 00-0587	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.91	2.94
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0588	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	19.67	4.23
		For >1,000, Deduct	*-0.98*	
32 84 23 00-0589	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	25.36	5.29
		For >1,000, Deduct	*-1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0590	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	37.46	6.61
		For >1,000, Deduct	*-1.87*	

32 84 23 00-0591 Irrigation Riser Piping With Fittings *(32 84 23 00-0479)*

32 84 23 00-0592	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.29	3.17
32 84 23 00-0593	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.94	3.97
32 84 23 00-0594	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.73	3.70
32 84 23 00-0595	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	23.77	4.62
32 84 23 00-0596	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	43.70	5.55
32 84 23 00-0597	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.59	6.94
32 84 23 00-0598	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	51.42	7.13
32 84 23 00-0599	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	55.14	8.93
32 84 23 00-0600	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	59.15	8.72
32 84 23 00-0601	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	63.69	10.91

32 84 23 00-0602 Irrigation Crossover Piping With Fittings *(32 84 23 00-0479)*

Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0646 for irrigation wiring.

32 84 23 00-0603 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench *(32 84 23 00-0602)*

32 84 23 00-0604	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	50.93	
		For >1,000, Deduct	*-2.55*	
32 84 23 00-0605	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	73.70	
		For >1,000, Deduct	*-3.69*	
32 84 23 00-0606	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	103.60	
		For >1,000, Deduct	*-5.18*	
32 84 23 00-0607	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	138.32	
		For >1,000, Deduct	*-6.92*	

32 84 23 00-0608 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench *(32 84 23 00-0602)*

32 84 23 00-0609	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	51.70	
		For >1,000, Deduct	*-2.59*	
32 84 23 00-0610	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	74.56	
		For >1,000, Deduct	*-3.73*	
32 84 23 00-0611	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	104.55	
		For >1,000, Deduct	*-5.23*	
32 84 23 00-0612	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	139.36	
		For >1,000, Deduct	*-6.97*	

32 84 23 00-0613 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench *(32 84 23 00-0602)*

32 84 23 00-0614	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	52.47	
		For >1,000, Deduct	*-2.62*	
32 84 23 00-0615	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	75.42	
		For >1,000, Deduct	*-3.77*	
32 84 23 00-0616	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	105.50	
		For >1,000, Deduct	*-5.28*	
32 84 23 00-0617	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	140.39	
		For >1,000, Deduct	*-7.02*	

32 84 23 00-0618 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore *(32 84 23 00-0602)*

32 84 23 00-0619	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	111.24	
		For >1,000, Deduct	*-5.56*	
32 84 23 00-0620	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	146.23	
		For >1,000, Deduct	*-7.31*	
32 84 23 00-0621	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	182.14	
		For >1,000, Deduct	*-9.11*	
32 84 23 00-0622	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	222.88	
		For >1,000, Deduct	*-11.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0623		**Below Ground Cam Adapter Assembly** *(32 84 23 00-0479)* Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0624	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	717.97	
32 84 23 00-0625		**Above Ground Cam Adapter Assembly** *(32 84 23 00-0479)* Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0626	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	442.32	
32 84 23 00-0627		**Thrust Block** *(32 84 23 00-0479)*		
32 84 23 00-0628	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	36.69	
32 84 23 00-0629	EA	Thrust Block For 2" Pipe	62.79	
32 84 23 00-0630	EA	Thrust Block For 3" And 4" Pipe	88.86	
32 84 23 00-0631	EA	Thrust Block For 6" Pipe	141.62	
32 84 23 00-0632	EA	Thrust Block For 8" Pipe	200.41	
32 84 23 00-0633		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0634	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	69.99	21.05
32 84 23 00-0635	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	79.82	23.49
32 84 23 00-0636	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	110.57	23.49
32 84 23 00-0637	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	44.84	27.42
32 84 23 00-0638	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	59.92	36.58
32 84 23 00-0639	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	75.65	44.86
32 84 23 00-0640	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	63.50	27.85
32 84 23 00-0641	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	83.98	36.95
32 84 23 00-0642	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	103.52	45.31
32 84 23 00-0643	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	35.77	17.06
32 84 23 00-0644	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	47.82	22.75
32 84 23 00-0645	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	56.97	28.20
32 84 23 00-0646		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0647		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0648	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	52.23	15.86
32 84 23 00-0649	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	68.91	18.51
32 84 23 00-0650	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	79.32	21.15
32 84 23 00-0651	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	90.88	23.79
32 84 23 00-0652	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	103.56	26.44
32 84 23 00-0653	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	124.24	29.07
32 84 23 00-0654	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	144.05	31.72
32 84 23 00-0655	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	156.54	34.36
32 84 23 00-0656	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	172.02	37.00
32 84 23 00-0657	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	189.85	39.65
32 84 23 00-0658	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	196.25	42.29
32 84 23 00-0659	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	203.82	44.93
32 84 23 00-0660	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	215.01	47.58
32 84 23 00-0661		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0662	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	55.26	15.86
32 84 23 00-0663		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0664	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	55.27	15.86
32 84 23 00-0665		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0666	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	75.30	15.86
32 84 23 00-0667		10 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0646)*		
32 84 23 00-0668	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	100.69	15.86
32 84 23 00-0669		Root Watering Systems *(32 84 23)*		
		Note: Includes swing assembly.		
32 84 23 00-0670	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	115.64	21.15
		For Root Watering Sand Sock, Add	*5.49*	
32 84 23 00-0671	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	125.81	21.15
		For Root Watering Sand Sock, Add	*5.49*	
32 84 23 00-0672	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	115.64	21.15
		For Root Watering Sand Sock, Add	*5.49*	
32 84 23 00-0673	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	125.81	21.15
		For Root Watering Sand Sock, Add	*5.49*	
32 84 23 00-0674	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	125.81	21.15
		For Root Watering Sand Sock, Add	*5.49*	
32 84 23 00-0675	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	100.26	18.51
		For Root Watering Sand Sock, Add	*4.96*	
32 84 23 00-0676	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	110.02	18.51
		For Root Watering Sand Sock, Add	*4.96*	
32 84 23 00-0677	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	100.26	18.51
		For Root Watering Sand Sock, Add	*4.96*	
32 84 23 00-0678	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	110.02	18.51
		For Root Watering Sand Sock, Add	*4.96*	
32 84 23 00-0679	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	65.37	15.86
		For Root Watering Sand Sock, Add	*4.44*	
32 84 23 00-0680	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	74.67	15.86
		For Root Watering Sand Sock, Add	*4.44*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
32 91 13 16-0001		Mulch *(32 91 13 16)*	
		Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.	
32 91 13 16-0002	CY	Pine Bark Nugget Mulch	102.18
		For >5 To 20, Deduct	*-8.95*
		For >20 To 50, Deduct	*-13.43*
		For >50, Deduct	*-18.54*
		For Work On Slopes >2.5:1, Add	*15.37*
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	101.17
		For >5 To 20, Deduct	*-8.90*
		For >20 To 50, Deduct	*-13.35*
		For >50, Deduct	*-18.41*
		For Work On Slopes >2.5:1, Add	*15.37*
32 91 13 16-0004	CY	Pine Wood Chip Mulch	99.15
		For >5 To 20, Deduct	*-8.80*
		For >20 To 50, Deduct	*-13.20*
		For >50, Deduct	*-18.16*
		For Work On Slopes >2.5:1, Add	*15.37*
32 91 13 16-0005	CY	Hardwood Chip Mulch	103.20
		For >5 To 20, Deduct	*-9.00*
		For >20 To 50, Deduct	*-13.50*
		For >50, Deduct	*-18.66*
		For Work On Slopes >2.5:1, Add	*15.37*
32 91 13 16-0006	CY	Shredded Hardwood Mulch	103.20
		For >5 To 20, Deduct	*-9.00*
		For >20 To 50, Deduct	*-13.50*
		For >50, Deduct	*-18.66*
		For Work On Slopes >2.5:1, Add	*15.37*
32 91 13 16-0007	CY	Shredded Pine Mulch	94.08
		For >5 To 20, Deduct	*-8.55*
		For >20 To 50, Deduct	*-12.82*
		For >50, Deduct	*-17.52*
		For Work On Slopes >2.5:1, Add	*15.37*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0008	CY	Shredded Cedar Mulch	113.83	
		For >5 To 20, Deduct	*-9.53*	
		For >20 To 50, Deduct	*-14.30*	
		For >50, Deduct	*-19.99*	
		For Work On Slopes >2.5:1, Add	*15.37*	
32 91 13 16-0009	CY	Shredded Cypress Mulch	112.32	
		For >5 To 20, Deduct	*-9.46*	
		For >20 To 50, Deduct	*-14.19*	
		For >50, Deduct	*-19.80*	
		For Work On Slopes >2.5:1, Add	*15.37*	
32 91 13 16-0010	CY	Shredded Redwood Mulch	116.37	
		For >5 To 20, Deduct	*-9.66*	
		For >20 To 50, Deduct	*-14.49*	
		For >50, Deduct	*-20.31*	
		For Work On Slopes >2.5:1, Add	*15.37*	
32 91 13 16-0011	CY	Pea Gravel Mulch	133.43	
		For >5 To 20, Deduct	*-10.51*	
		For >20 To 50, Deduct	*-15.77*	
		For >50, Deduct	*-22.44*	
		For Work On Slopes >2.5:1, Add	*15.37*	
32 91 13 16-0012	CY	Chunk Recycled Tire Mulch	169.17	
		For >5 To 20, Deduct	*-13.37*	
		For >20 To 50, Deduct	*-20.06*	
		For >50, Deduct	*-28.52*	
		For Work On Slopes >2.5:1, Add	*19.65*	
32 91 13 16-0013	CY	Chunk Colored Recycled Tire Mulch	239.07	
		For >5 To 20, Deduct	*-16.87*	
		For >20 To 50, Deduct	*-25.30*	
		For >50, Deduct	*-37.25*	
		For Work On Slopes >2.5:1, Add	*19.65*	
32 91 13 16-0014	CY	Shredded Recycled Tire Mulch	240.08	
		For >5 To 20, Deduct	*-16.92*	
		For >20 To 50, Deduct	*-25.38*	
		For >50, Deduct	*-37.38*	
		For Work On Slopes >2.5:1, Add	*19.65*	
32 91 13 16-0015	CY	Shredded Colored Recycled Tire Mulch	379.87	
		For >5 To 20, Deduct	*-23.91*	
		For >20 To 50, Deduct	*-35.86*	
		For >50, Deduct	*-54.85*	
		For Work On Slopes >2.5:1, Add	*19.65*	
32 91 13 16-0016	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	7.87	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.00*	
		For Work On Slopes >2.5:1, Add	*0.87*	
32 91 13 16-0017	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	7.41	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-0.90*	
		For Work On Slopes >2.5:1, Add	*0.65*	
32 91 13 16-0018	CY	Stone/Gravel Mulch, Marble Chips	306.85	
		For >5 To 20, Deduct	*-19.19*	
		For >20 To 50, Deduct	*-28.78*	
		For >50, Deduct	*-44.12*	
		For Work On Slopes >2.5:1, Add	*15.37*	
32 91 13 16-0019	CY	Stone Mulch, Decomposed Granite Chips	109.03	
		For >5 To 20, Deduct	*-9.29*	
		For >20 To 50, Deduct	*-13.94*	
		For >50, Deduct	*-19.39*	
		For Work On Slopes >2.5:1, Add	*15.37*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	97.28	
		For Work On Slopes >2.5:1, Add	*15.37*	
		For >100 To 1,000, Deduct	*-16.39*	
		For >1,000, Deduct	*-25.10*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.22	
		For Work On Slopes >2.5:1, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.39	
		For Work On Slopes >2.5:1, Add	*0.28*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.64	
		For Work On Slopes >2.5:1, Add	*0.33*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.62	
		For Work On Slopes >2.5:1, Add	*1.12*	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.46	
		For Work On Slopes >2.5:1, Add	*1.29*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.59	
		For Work On Slopes >2.5:1, Add	*1.52*	
32 91 13 26-0008		**Plant Bed Preparation With Humic Compost** *(32 91 13 26)*		
32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.36	
		For Work On Slopes >2.5:1, Add	*0.26*	
		For >1,000 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.92*	
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.68	
		For Work On Slopes >2.5:1, Add	*0.31*	
		For >1,000 To 5,000, Deduct	*-0.23*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.79*	
		For >20,000, Deduct	*-1.10*	
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	2.00	
		For Work On Slopes >2.5:1, Add	*0.36*	
		For >1,000 To 5,000, Deduct	*-0.27*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000 To 20,000, Deduct	*-0.92*	
		For >20,000, Deduct	*-1.29*	
32 91 13 26-0012		**Planting Pit Preparation** *(32 91 13 26)* Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	97.21	
		For Work On Slopes >2.5:1, Add	*19.44*	
32 91 13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	194.43	
		For Work On Slopes >2.5:1, Add	*38.89*	
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	14.81	
		For Work On Slopes >2.5:1, Add	*2.96*	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	19.28	
		For Work On Slopes >2.5:1, Add	*3.86*	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	86.39	
		For Work On Slopes >2.5:1, Add	*17.28*	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	108.95	
		For Work On Slopes >2.5:1, Add	*15.51*	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.21	
		For Work On Slopes >2.5:1, Add	*1.64*	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	50.93	
		For Work On Slopes >2.5:1, Add	*3.90*	
32 91 13 26-0021		**Weed Barrier** *(32 91 13 26)*		
32 91 13 26-0022	SY	Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier	2.44	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0023	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	3.29	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0024	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	3.67	
		For Work On Slopes >2.5:1, Add	*0.15*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader	0.44	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 LB/MSF Tractor Spreader	40.87	
32 91 13 33-0004	MSF	Fertilizer, 20 LB/MSF, Push Spreader	7.87	
32 91 13 33-0005	MSF	Fertilizer, 20 LB/MSF, Tractor Spread	3.13	
32 91 13 33-0006	MSF	Fertilizer, 20 LB/MSF, Truck Spread	5.56	
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 LB/MSF, Tractor Spreader	7.83	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	3.72	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	385.57	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	3.45	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	376.64	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader	0.23	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader	20.47	

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	93.16	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	77.76	
32 91 13 36-0004	MSF	Screen Loam By Hand	51.84	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.19	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.47	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.02	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	34.59	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	57.65	
		For >45 to 225, Deduct	*-40.36*	
		For >225, Deduct	*-51.89*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	96.09	
		For >45 to 225, Deduct	*-67.26*	
		For >225, Deduct	*-86.48*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.13	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.39	
		For Work On Slopes >2.5:1, Add	*2.08*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.83	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.99	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.24	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.38	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.56	
		For Work On Slopes >2.5:1, Add	*1.31*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.70	
		For Work On Slopes >2.5:1, Add	*0.14*	
32 91 13 36-0020	SY	Pile Sod By Hand	3.89	
		For Work On Slopes >2.5:1, Add	*0.78*	
32 91 13 36-0021	SY	Pile Sod With Machine	1.30	
		For Work On Slopes >2.5:1, Add	*0.26*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.28	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.23	

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.62	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.74	

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	8.81	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	74.20	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	3.28	
		For Unscreened, Deduct	*-0.33*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	6.22	
		For Unscreened, Deduct	*-0.66*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	8.91	
		For Unscreened, Deduct	*-0.99*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	12.71	
		For Unscreened, Deduct	*-1.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	16.52	
		For Unscreened, Deduct	*-1.98*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	44.37	
		For Unscreened, Deduct	*-5.93*	
32 91 19 13-0017		Scarify Soil For Planting Preparation *(32 91 19 13)*		
		Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	69.31	
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	48.51	
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	28.44	

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*
Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	242.40
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	25.96
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	17.15

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	186.19
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	20.70
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	12.94

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	158.16
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	14.39
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	8.42

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*
Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	40.85
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	36.45
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	37.05
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	40.07
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	42.25
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	39.35
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	35.74
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	28.92
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	82.82
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	50.94
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	28.84
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	31.74
32 92 19 13-0014	MSF	Bermuda, Tractor Spreader Note: 10 LB/MSF spread rate.	47.35

32 92 19 13-0015 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0016	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	84.39
		For Spot Areas Up To 1, Add	*97.26*
		For >1 To 4, Add	*63.06*
		For >4 To 7.5, Add	*43.08*
		For >7.5 To 10, Add	*21.54*
		For >45, Deduct	*-7.11*
		For Tackifier, Add	*1.44*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0017	MSF	Tall Fescue, Hydro Or Air Seeding	88.44	
		Note: 5.5 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*98.88*	
		For >1 To 4, Add	*63.87*	
		For >4 To 7.5, Add	*43.48*	
		For >7.5 To 10, Add	*21.74*	
		For >45, Deduct	*-7.31*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0018	MSF	Rye, Hydro Or Air Spread	84.56	
		Note: 10 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*97.33*	
		For >1 To 4, Add	*63.10*	
		For >4 To 7.5, Add	*43.09*	
		For >7.5 To 10, Add	*21.55*	
		For >45, Deduct	*-7.11*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0019	MSF	Shade Mix, Hydro Or Air Seeding	84.39	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For Spot Areas Up To 1, Add	*97.26*	
		For >1 To 4, Add	*63.06*	
		For >4 To 7.5, Add	*43.08*	
		For >7.5 To 10, Add	*21.54*	
		For >45, Deduct	*-7.11*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0020	MSF	Turf Mix, Hydro Or Air Seeding	88.44	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For Spot Areas Up To 1, Add	*98.88*	
		For >1 To 4, Add	*63.87*	
		For >4 To 7.5, Add	*43.48*	
		For >7.5 To 10, Add	*21.74*	
		For >45, Deduct	*-7.31*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0021	MSF	Slope Mix, Hydro Or Air Seeding	86.71	
		Note: 6 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*98.19*	
		For >1 To 4, Add	*63.53*	
		For >4 To 7.5, Add	*43.31*	
		For >7.5 To 10, Add	*21.65*	
		For >45, Deduct	*-7.22*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0022	MSF	Utility Mix, Hydro Or Air Seeding	85.30	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*97.62*	
		For >1 To 4, Add	*63.24*	
		For >4 To 7.5, Add	*43.17*	
		For >7.5 To 10, Add	*21.58*	
		For >45, Deduct	*-7.15*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0023	MSF	Wild Flower Mix, Hydro Or Air Seeding	80.79	
		Note: 0.10 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*95.82*	
		For >1 To 4, Add	*62.34*	
		For >4 To 7.5, Add	*42.72*	
		For >7.5 To 10, Add	*21.36*	
		For >45, Deduct	*-6.93*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0024	MSF	Crown Vetch Mix, Hydro Or Air Seeding	121.47	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*112.09*	
		For >1 To 4, Add	*70.48*	
		For >4 To 7.5, Add	*46.79*	
		For >7.5 To 10, Add	*23.39*	
		For >45, Deduct	*-8.96*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0025	MSF	Athletic Mix, Hydro Or Air Seeding	108.74	
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*107.00*	
		For >1 To 4, Add	*67.93*	
		For >4 To 7.5, Add	*45.51*	
		For >7.5 To 10, Add	*22.76*	
		For >45, Deduct	*-8.32*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0026	MSF	White Clover Mix, Hydro Or Air Seeding	75.29	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*93.62*	
		For >1 To 4, Add	*61.24*	
		For >4 To 7.5, Add	*42.17*	
		For >7.5 To 10, Add	*21.08*	
		For >45, Deduct	*-6.65*	
		For Tackifier, Add	*1.44*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0027	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	82.07	
		For Spot Areas Up To 1, Add	*96.33*	
		For >1 To 4, Add	*62.60*	
		For >4 To 7.5, Add	*42.85*	
		For >7.5 To 10, Add	*21.42*	
		For >45, Deduct	*-6.99*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0028	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 LB/MSF spread rate.	85.55	
		For Spot Areas Up To 1, Add	*97.72*	
		For >1 To 4, Add	*63.29*	
		For >4 To 7.5, Add	*43.19*	
		For >7.5 To 10, Add	*21.60*	
		For >45, Deduct	*-7.16*	
		For Tackifier, Add	*1.44*	
32 92 19 13-0029	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	93.56	
		For >45, Deduct	*-6.12*	
32 92 19 13-0030	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	107.96	
		For >45, Deduct	*-6.91*	
32 92 19 13-0031	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	122.42	
		For >45, Deduct	*-7.71*	
32 92 19 13-0032	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	136.94	
		For >45, Deduct	*-8.52*	
32 92 19 13-0033	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	151.54	
		For >45, Deduct	*-9.33*	
32 92 19 13-0034	MSF	Custom Mix (Landfill Closure), Hydro Or Air Seeding Note: Mixture of varieties: 0.184 Lbs/MSF (8 Lbs/Acre) Vulpia Microstachys, 0.138 Lbs/MSF (6 Lbs/Acre) Poa Secunda, 0.23 Lbs/MSF (10 Lbs/Acre) Hordeum Californicum Prostrate, 0.138 Lbs/MSF (6 Lbs/Acre) Nassella Pulchra, 0.184 Lbs/MSF (8 Lbs/Acre) Elymus Glaucus Anderson, 0.023 Lbs/MSF (1 Lbs/Acre) Artemisia Californica, 0.046 Lbs/MSF (2 Lbs/Acre) Atriplex Semibaccata, and 0.023 Lbs/MSF (1 Lbs/Acre) Atriplex Polycarpa.	121.01	
		For Spot Areas Up To 1, Add	*111.91*	
		For >1 To 4, Add	*70.39*	
		For >4 To 7.5, Add	*46.74*	
		For >7.5 To 10, Add	*23.37*	
		For >45, Deduct	*-8.94*	
32 92 19 13-0035	ACR	Custom Mix (Landfill Closure), Hydro Or Air Seeding Note: Mixture of varieties: 8 Lbs/Acre Vulpia Microstachys, 6 Lbs/Acre Poa Secunda, 10 Lbs/Acre Hordeum Californicum Prostrate, 6 Lbs/Acre Nassella Pulchra, 8 Lbs/Acre Elymus Glaucus Anderson, 1 Lbs/Acre Artemisia Californica, 2 Lbs/Acre Atriplex Semibaccata, and 1 Lbs/Acre Atriplex Polycarpa.	5,015.34	

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	113.19	
		For >5 To 20, Deduct	*-8.09*	
		For >20 To 45, Deduct	*-15.78*	
		For >45, Deduct	*-25.90*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 LB/MSF spread rate.	108.79	
		For >5 To 20, Deduct	*-7.87*	
		For >20 To 45, Deduct	*-15.45*	
		For >45, Deduct	*-25.46*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	109.39	
		For >5 To 20, Deduct	*-7.90*	
		For >20 To 45, Deduct	*-15.49*	
		For >45, Deduct	*-25.52*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	112.41	
		For >5 To 20, Deduct	*-8.05*	
		For >20 To 45, Deduct	*-15.72*	
		For >45, Deduct	*-25.82*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	114.59	
		For >5 To 20, Deduct	*-8.16*	
		For >20 To 45, Deduct	*-15.88*	
		For >45, Deduct	*-26.04*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	111.69	
		For >5 To 20, Deduct	*-8.01*	
		For >20 To 45, Deduct	*-15.67*	
		For >45, Deduct	*-25.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	108.08	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	*-7.83*	
		For >20 To 45, Deduct	*-15.40*	
		For >45, Deduct	*-25.39*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand	101.26	
		Note: 0.10 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.49*	
		For >20 To 45, Deduct	*-14.88*	
		For >45, Deduct	*-24.71*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	155.16	
		Note: 4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-10.19*	
		For >20 To 45, Deduct	*-18.93*	
		For >45, Deduct	*-30.10*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	123.28	
		Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-8.59*	
		For >20 To 45, Deduct	*-16.54*	
		For >45, Deduct	*-26.91*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	101.18	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.49*	
		For >20 To 45, Deduct	*-14.88*	
		For >45, Deduct	*-24.70*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	104.08	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.63*	
		For >20 To 45, Deduct	*-15.10*	
		For >45, Deduct	*-24.99*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	114.30	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.15*	
		For >20 To 45, Deduct	*-15.86*	
		For >45, Deduct	*-26.01*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	111.11	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.99*	
		For >20 To 45, Deduct	*-15.62*	
		For >45, Deduct	*-25.69*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	108.79	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.87*	
		For >20 To 45, Deduct	*-15.45*	
		For >45, Deduct	*-25.46*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	113.43	
		Note: 4.4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.10*	
		For >20 To 45, Deduct	*-15.80*	
		For >45, Deduct	*-25.92*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	109.95	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.93*	
		For >20 To 45, Deduct	*-15.54*	
		For >45, Deduct	*-25.58*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	114.59	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.16*	
		For >20 To 45, Deduct	*-15.88*	
		For >45, Deduct	*-26.04*	
32 92 19 19-0020	MSF	Bermuda, Push Spreader Or Hand	119.69	
		Note: 10 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.41*	
		For >20 To 45, Deduct	*-16.27*	
		For >45, Deduct	*-26.55*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,376.11
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,189.01
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,015.91
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	903.86
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,758.19
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,512.66
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,239.20
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,093.74

32 92 23 00-0010 Zoysia Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	1,867.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	1,555.49	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	1,321.32	
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	1,148.18	
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,246.84	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,879.14	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,544.61	
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,338.06	
32 92 23 00-0019		**Tall Fescue Sod** *(32 92 23)*		
32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,100.86	
		For Hybrid Fescue "Marathon", Add	*130.24*	
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,730.82	
		For Hybrid Fescue "Marathon", Add	*98.21*	
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,467.42	
		For Hybrid Fescue "Marathon", Add	*82.20*	
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,265.07	
		For Hybrid Fescue "Marathon", Add	*66.19*	
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,480.60	
		For Hybrid Fescue "Marathon", Add	*130.24*	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,054.47	
		For Hybrid Fescue "Marathon", Add	*98.21*	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,690.71	
		For Hybrid Fescue "Marathon", Add	*82.20*	
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,454.95	
		For Hybrid Fescue "Marathon", Add	*66.19*	
32 92 23 00-0028		**Centipede Sod** *(32 92 23)*		
32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	1,678.20	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,413.82	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	1,203.26	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	1,053.73	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,057.94	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,737.47	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,426.55	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,243.61	
32 92 23 00-0037		**Kentucky Blue Grass Sod** *(32 92 23)*		
32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,611.59	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,363.86	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,161.63	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,020.43	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,991.33	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,687.51	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,384.92	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,210.31	
32 92 23 00-0046		**Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar** *(32 92 23)*		
32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,511.67	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,288.92	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,099.18	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	970.47	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,891.41	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,612.57	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,322.47	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,160.35	
32 92 23 00-0055		**GN-1 Sod** *(32 92 23)*		
32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	1,857.54	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	1,548.33	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	1,315.35	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	1,143.40	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,237.28	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,871.98	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,538.64	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,333.28	
32 92 23 00-0064		**Tifgreen Bermuda Sod** *(32 92 23)*		
32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,933.12	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,605.01	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,362.58	
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,181.19	
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,312.86	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,928.66	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,585.87	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,371.07	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	34.95
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	64.60
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	117.41
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	213.69
32 93 13 00-0006	EA	1 Gallon, Distichlis spicata - Saltgrass	11.23
32 93 13 00-0007	EA	5 Gallon, Distichlis spicata - Saltgrass	29.37
32 93 13 00-0008	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	26.75
32 93 13 00-0009	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	35.57
32 93 13 00-0010	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	38.07
32 93 13 00-0011	EA	1 Quart, Koeleria glauca - Blue Hair Grass	26.68
32 93 13 00-0012	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	35.57
32 93 13 00-0013	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	86.06
32 93 13 00-0014	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	33.77
32 93 13 00-0015	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	43.77
32 93 13 00-0016	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	83.68
32 93 13 00-0017	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	31.35
32 93 13 00-0018	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	49.28
32 93 13 00-0019	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	84.34
32 93 13 00-0020	EA	1 Gallon, Monathochloe littoralis - Shore Grass	14.04
32 93 13 00-0021	EA	1 Quart, Pennisetum setaceum - Fountain Grass	29.18
32 93 13 00-0022	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	74.23
32 93 13 00-0023	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	97.86
32 93 13 00-0024	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	92.38
32 93 13 00-0025	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	103.78
32 93 13 00-0026	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	171.21
32 93 13 00-0027	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	50.16
32 93 13 00-0028	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	75.08
32 93 13 00-0029	EA	1 Quart, Stipa gigantea - Giant Feather Grass	38.29
32 93 13 00-0030	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	53.36
32 93 13 00-0031	EA	1 Gallon, Triglochin maritima - Arrow Grass	8.43

32 93 13 00-0032 Ground Covers *(32 93 13)*

32 93 13 00-0033	EA	1 Gallon Agave Attenuata - Century Plant	12.35
32 93 13 00-0034	EA	5 Gallon Agave Attenuata - Century Plant	33.30
32 93 13 00-0035	EA	15 Gallon Agave Attenuata - Century Plant	110.11
32 93 13 00-0036	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	10.54
32 93 13 00-0037	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	29.33
32 93 13 00-0038	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	10.54
32 93 13 00-0039	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	27.40
32 93 13 00-0040	EA	1 Gallon Dietes Vegata - Fortnight Lily	9.24
32 93 13 00-0041	EA	5 Gallon Dietes Vegata - Fortnight Lily	22.77
32 93 13 00-0042	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	17.17
32 93 13 00-0043	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	45.10
32 93 13 00-0044	EA	4" Pot Miscanthus 'Morning Light' - NCN	12.87
32 93 13 00-0045	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	189.84
32 93 13 00-0046	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	17.17
32 93 13 00-0047	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	9.33
32 93 13 00-0048	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	23.38
32 93 13 00-0049	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	9.24
32 93 13 00-0050	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	22.77
32 93 13 00-0051	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	93.46
32 93 13 00-0052	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	42.82
32 93 13 00-0053	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	55.74
32 93 13 00-0054	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	70.55
32 93 13 00-0055	EA	1 Quart Waldsteinia ternata - Barren Strawberry	12.12
32 93 13 00-0056	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	29.08
32 93 13 00-0057	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	39.58
32 93 13 00-0058	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	75.13
32 93 13 00-0059	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	132.48
32 93 13 00-0060	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	13.55
32 93 13 00-0061	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	25.04
32 93 13 00-0062	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	88.05
32 93 13 00-0063	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	32.87
32 93 13 00-0064	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	16.16
32 93 13 00-0065	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	36.84
32 93 13 00-0066	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	100.81
32 93 13 00-0067	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	42.37
32 93 13 00-0068	EA	1 Quart Iberis sempervirens - Candytuft	12.12
32 93 13 00-0069	EA	1 Gallon Iberis sempervirens - Candytuft	29.08
32 93 13 00-0070	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	34.90
32 93 13 00-0071	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	126.02

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0072	EA	3" Pot Ajuga reptans - Carpet Bugle	7.27	
32 93 13 00-0073	EA	1 Quart Ajuga reptans - Carpet Bugle	12.12	
32 93 13 00-0074	EA	1 Gallon Ajuga reptans - Carpet Bugle	29.08	
32 93 13 00-0075	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	125.21	
32 93 13 00-0076	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	29.08	
32 93 13 00-0077	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	126.02	
32 93 13 00-0078	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	37.97	
32 93 13 00-0079	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	84.02	
32 93 13 00-0080	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	126.02	
32 93 13 00-0081	EA	1 Gallon Ranunculaceae - Clematis Varieties	41.74	
32 93 13 00-0082	EA	2 Gallon Ranunculaceae - Clematis Varieties	77.20	
32 93 13 00-0083	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	52.51	
32 93 13 00-0084	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	98.55	
32 93 13 00-0085	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	161.56	
32 93 13 00-0086	EA	4" Pot Lantana camera - Common Lantana	7.27	
32 93 13 00-0087	EA	1 Gallon Lantana camera - Common Lantana	21.00	
32 93 13 00-0088	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	25.04	
32 93 13 00-0089	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	82.40	
32 93 13 00-0090	EA	2 Quart Lysimachia nummularia - Creeping Jenny	12.12	
32 93 13 00-0091	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	23.43	
32 93 13 00-0092	EA	2 Quart Liriope spicata - Creeping Lilytuft	21.00	
32 93 13 00-0093	EA	1 Gallon Liriope spicata - Creeping Lilytuft	37.97	
32 93 13 00-0094	EA	5 Gallon Liriope spicata - Creeping Lilytuft	79.97	
32 93 13 00-0095	EA	Bare Root Liriope spicata - Creeping Liriope	5.30	
32 93 13 00-0096	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.27	
32 93 13 00-0097	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	29.08	
32 93 13 00-0098	EA	2-1/4" Pot Securigera varia - Crown Vetch	4.85	
32 93 13 00-0099	EA	50 Plant Flat Securigera varia - Crown Vetch	163.99	
32 93 13 00-0100	EA	1 Quart Senecio cineraria - Dusty Miller	12.12	
32 93 13 00-0101	EA	1 Gallon Senecio cineraria - Dusty Miller	29.08	
32 93 13 00-0102	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	100.98	
32 93 13 00-0103	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	184.99	
32 93 13 00-0104	EA	1 Gallon Ilex cornuta - Dwarf Holly	21.94	
32 93 13 00-0105	EA	3 Gallon Ilex cornuta - Dwarf Holly	47.02	
32 93 13 00-0106	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	47.02	
32 93 13 00-0107	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	15.67	
32 93 13 00-0108	EA	2" To 3" Pot Hedera helix - English Ivy	7.27	
32 93 13 00-0109	EA	12" To 15" Runners Hedera helix - English Ivy	12.12	
32 93 13 00-0110	EA	1 Gallon Hedera helix - English Ivy	29.08	
32 93 13 00-0111	EA	50 Plant Flat Hedera helix - English Ivy	168.02	
32 93 13 00-0112	EA	4" Pot Lavandula angustifolia - English Lavender	10.50	
32 93 13 00-0113	EA	1 Quart Lavandula angustifolia - English Lavender	20.20	
32 93 13 00-0114	EA	1 Gallon Lavandula angustifolia - English Lavender	33.12	
32 93 13 00-0115	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	31.50	
32 93 13 00-0116	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	63.01	
32 93 13 00-0117	EA	1 Quart Arundo donax - Giant Reed	38.78	
32 93 13 00-0118	EA	1 Gallon Arundo donax - Giant Reed	55.74	
32 93 13 00-0119	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	33.12	
32 93 13 00-0120	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	63.01	
32 93 13 00-0121	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	42.82	
32 93 13 00-0122	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	64.63	
32 93 13 00-0123	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.27	
32 93 13 00-0124	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	33.12	
32 93 13 00-0125	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	63.01	
32 93 13 00-0126	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	29.08	
32 93 13 00-0127	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	96.94	
32 93 13 00-0128	EA	3 Gallon Hibiscus, Assorted Colors	37.88	
32 93 13 00-0129	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	30.29	
32 93 13 00-0130	EA	1 Gallon Jasminum volubile - Wax Jasmine	15.26	
32 93 13 00-0131	EA	1 Gallon Jasminum volubile - Wax Jasmine	37.88	
32 93 13 00-0132	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	19.03	
32 93 13 00-0133	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	42.37	
32 93 13 00-0134	EA	1 Gallon Cissus antarctica - Kangaroo Vine	23.43	
32 93 13 00-0135	EA	5 Gallon Cissus antarctica - Kangaroo Vine	73.51	
32 93 13 00-0136	EA	1 Quart Stachys byzantina - Lamb's Ear	12.12	
32 93 13 00-0137	EA	1 Quart Stachys byzantina - Lamb's Ear	29.08	
32 93 13 00-0138	EA	1 Gallon Lantana spp. Various Colors	17.14	
32 93 13 00-0139	EA	1 Gallon Lantana sellowiana - Trailing Lantana	11.28	
32 93 13 00-0140	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	23.43	
32 93 13 00-0141	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	84.01	
32 93 13 00-0142	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	17.14	
32 93 13 00-0143	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	21.63	
32 93 13 00-0144	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	34.59	
32 93 13 00-0145	EA	1 Quart Moss Phlox, Creeping Phlox	12.12	
32 93 13 00-0146	EA	1 Gallon Moss Phlox, Creeping Phlox	29.08	
32 93 13 00-0147	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	15.26	
32 93 13 00-0148	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.27	
32 93 13 00-0149	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	29.08	
32 93 13 00-0150	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	67.05	
32 93 13 00-0151	EA	2' To 3' High Oregon Holly-Grape	33.57	
32 93 13 00-0152	EA	1 Gallon Pachysandra terminalis - Pachysandra	43.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0153	EA	2-1/4" Pot Vinca minor - Periwinkle	4.04	
32 93 13 00-0154	EA	4" Pot Vinca minor - Periwinkle	12.12	
32 93 13 00-0155	EA	Bare Root Vinca minor - Periwinkle	4.04	
32 93 13 00-0156	EA	1 Quart Nepeta mussinii - Persian Catmint	12.12	
32 93 13 00-0157	EA	1 Gallon Nepeta mussinii - Persian Catmint	25.04	
32 93 13 00-0158	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	20.20	
32 93 13 00-0159	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	73.51	
32 93 13 00-0160	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	33.12	
32 93 13 00-0161	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	71.09	
32 93 13 00-0162	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	105.02	
32 93 13 00-0163	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	28.84	
32 93 13 00-0164	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	74.74	
32 93 13 00-0165	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	125.21	
32 93 13 00-0166	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	15.26	
32 93 13 00-0167	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	16.96	
32 93 13 00-0168	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	30.29	
32 93 13 00-0169	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	47.26	
32 93 13 00-0170	EA	1 Gallon Hymenocallis latifolia - Spider Lily	18.80	
32 93 13 00-0171	EA	3 Gallon Hymenocallis latifolia - Spider Lily	50.15	
32 93 13 00-0172	EA	1 Quart Hypericum perforatum - St. John's Wort	12.12	
32 93 13 00-0173	EA	1 Gallon Hypericum perforatum - St. John's Wort	29.08	
32 93 13 00-0174	EA	5 Gallon Hypericum perforatum - St. John's Wort	75.13	
32 93 13 00-0175	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	102.24	
32 93 13 00-0176	EA	1 Gallon Campsis radicans - Trumpet Creeper	44.43	
32 93 13 00-0177	EA	2 Gallon Campsis radicans - Trumpet Creeper	67.05	
32 93 13 00-0178	EA	5 Gallon Campsis radicans - Trumpet Creeper	161.56	
32 93 13 00-0179	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.04	
32 93 13 00-0180	EA	4" Pot Vinca major - Variegated Greater Periwinkle	12.12	
32 93 13 00-0181	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.04	
32 93 13 00-0182	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	21.81	
32 93 13 00-0183	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	30.29	
32 93 13 00-0184	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	47.26	
32 93 13 00-0185	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	33.12	
32 93 13 00-0186	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	15.35	
32 93 13 00-0187	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	23.43	
32 93 13 00-0188	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	143.98	
32 93 13 00-0189	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.27	
32 93 13 00-0190	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	37.97	
32 93 13 00-0191	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	29.08	
32 93 13 00-0192	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	58.16	
32 93 13 00-0193	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	100.98	
32 93 13 00-0194	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	23.43	
32 93 13 00-0195	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	79.97	
32 93 13 00-0196	EA	1 Gallon Acmispon galaber - Common Deerweed	10.08	
32 93 13 00-0197	EA	1 Gallon Acacia redolens - Bank Catclaw	4.18	
32 93 13 00-0198	EA	5 Gallon Acacia redolens - Bank Catclaw	12.97	
32 93 13 00-0199	EA	15 Gallon Acacia redolens - Bank Catclaw	50.42	
32 93 13 00-0200	EA	1 Gallon Achillea filipendulina - Fernleaf Yarrow	6.19	
32 93 13 00-0201	EA	1 Gallon Achillea millefolium - Common Yarrow	5.62	
32 93 13 00-0202	EA	5 Gallon Achillea millefolium - Common Yarrow	17.29	
32 93 13 00-0203	EA	1 Gallon Achillea millefolium 'Paprika' - Red Yarrow	6.19	
32 93 13 00-0204	EA	1 Gallon Achillea 'Moonshine' - Yellow yarrow	6.19	
32 93 13 00-0205	EA	1 Gallon Agave americana - Century Plant	8.50	
32 93 13 00-0206	EA	5 Gallon Agave americana - Century Plant	23.05	
32 93 13 00-0207	EA	15 Gallon Agave americana - Century Plant	70.59	
32 93 13 00-0208	EA	24" Box Agave americana - Century Plant	252.10	
32 93 13 00-0209	EA	1 Gallon Agave vilmoriniana - Octopus Agave	8.50	
32 93 13 00-0210	EA	5 Gallon Agave vilmoriniana - Octopus Agave	23.05	
32 93 13 00-0211	EA	15 Gallon Agave vilmoriniana - Octopus Agave	70.59	
32 93 13 00-0212	EA	24" Box Agave vilmoriniana - Octopus Agave	252.10	
32 93 13 00-0213	EA	5 Gallon Nolina parryi - Giant Nolina	23.05	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	23.43	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	33.12	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	54.93	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	12.12	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	30.29	
32 93 23 00-0007	EA	1 Quart Balloon Flower	12.12	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	30.29	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	12.12	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	30.29	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	39.18	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	12.12	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	30.29	
32 93 23 00-0014	EA	1 Quart Blank Flower	12.12	
32 93 23 00-0015	EA	1 Gallon Blank Flower	27.87	
32 93 23 00-0016	EA	2 Gallon Blank Flower	39.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	12.12	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	30.29	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	20.60	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	34.74	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	12.12	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	30.29	
32 93 23 00-0023	EA	1 Quart Blue Star	21.81	
32 93 23 00-0024	EA	1 Gallon Blue Star	34.74	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	12.12	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	30.29	
32 93 23 00-0027	EA	4" Pot Columbine	7.27	
32 93 23 00-0028	EA	1 Quart Columbine	12.12	
32 93 23 00-0029	EA	1 Gallon Columbine	30.29	
32 93 23 00-0030	EA	1 Quart Common Globeflower	12.12	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	30.29	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	12.12	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	30.29	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	43.63	
32 93 23 00-0035	EA	1 Quart Diploid	15.35	
32 93 23 00-0036	EA	1 Gallon Diploid	34.74	
32 93 23 00-0037	EA	3 Gallon Diploid	59.78	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	17.30	
32 93 23 00-0039	EA	1 Quart Evans Begonia	21.81	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	39.18	
32 93 23 00-0041	EA	1 Quart False Dragonhead	12.12	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	30.29	
32 93 23 00-0043	EA	1 Quart False Spirea	12.12	
32 93 23 00-0044	EA	1 Gallon False Spirea	39.18	
32 93 23 00-0045	EA	3 Gallon False Spirea	54.12	
32 93 23 00-0046	EA	2 Quart False Sunflower	19.39	
32 93 23 00-0047	EA	1 Gallon False Sunflower	30.29	
32 93 23 00-0048	EA	2 Gallon False Sunflower	39.18	
32 93 23 00-0049	EA	1 Gallon Foxglove	27.87	
32 93 23 00-0050	EA	2 Gallon Foxglove	39.18	
32 93 23 00-0051	EA	3 Gallon Foxglove	56.55	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	49.06	
32 93 23 00-0053	EA	1 Quart Garden Phlox	12.12	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	30.29	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	25.85	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	52.11	
32 93 23 00-0057	EA	1 Quart Golden Star	12.12	
32 93 23 00-0058	EA	1 Gallon Golden Star	30.29	
32 93 23 00-0059	EA	1 Quart Goldenrod	12.12	
32 93 23 00-0060	EA	1 Gallon Goldenrod	30.29	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	56.42	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	7.27	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	12.12	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	30.29	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	10.51	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	17.37	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	27.87	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	43.22	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	69.07	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	90.89	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	7.27	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	21.81	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	39.18	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.31	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	6.46	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	27.83	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	17.37	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	34.74	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	143.98	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	23.83	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	45.24	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	45.87	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	7.27	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	12.12	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	30.29	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	12.12	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	30.29	
32 93 23 00-0088	EA	2 Quart Plantain Lily	23.43	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	33.12	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	54.93	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	103.81	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	21.81	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	30.29	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	39.18	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	12.12	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	30.29	
32 93 23 00-0097	EA	1 Quart Rose Mallow	23.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0098	EA	2 Gallon Rose Mallow	43.22	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	73.92	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	46.19	
32 93 23 00-0101	EA	1 Quart Siberian Iris	20.60	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	39.18	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	54.12	
32 93 23 00-0104	EA	1 Quart Speedwell	12.12	
32 93 23 00-0105	EA	1 Gallon Speedwell	30.29	
32 93 23 00-0106	EA	1 Quart Tetraploid	30.29	
32 93 23 00-0107	EA	1 Gallon Tetraploid	56.55	
32 93 23 00-0108	EA	3 Gallon Tetraploid	77.15	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	12.12	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	30.29	
32 93 23 00-0111	EA	1 Quart Torch Lily	12.12	
32 93 23 00-0112	EA	1 Quart Bluebeard	21.81	
32 93 23 00-0113	EA	1 Gallon Bluebeard	32.32	
32 93 23 00-0114	EA	2 Gallon Bluebeard	47.26	
32 93 23 00-0115	EA	1 Gallon Anemopsis californica - Yerba Mansa	12.63	
32 93 23 00-0116	EA	1 Gallon Artemisia palmeri - San Diego Sagewort	11.23	
32 93 23 00-0117	EA	1 Gallon Arthrocnemum subterminale - Parish's Pickleweed	14.04	
32 93 23 00-0118	EA	1 Gallon Cressa truxillensis - Alkali Weed	14.04	
32 93 23 00-0119	EA	1 Gallon Frankenia salina - Alkali Heath	11.23	
32 93 23 00-0120	EA	4" Pot Jaumea carnosa - Salt Marsh Daisy	5.62	
32 93 23 00-0121	EA	1 Gallon Jaumea carnosa - Salt Marsh Daisy	11.24	
32 93 23 00-0122	EA	1 Gallon Juncus acutus - Spiny Rush	11.23	
32 93 23 00-0123	EA	5 Gallon Juncus acutus - Spiny Rush	29.37	
32 93 23 00-0124	EA	1 Gallon Limonium californicum - Sea Lavender	11.23	
32 93 23 00-0125	EA	1 Gallon Salicornia virginica - Deer Weed	11.23	
32 93 23 00-0126	EA	1 Gallon Suaeda esteroa - Sea Blite	14.04	
32 93 23 00-0127	EA	1 Gallon Suaeda taxifolia - Wooly Sea Blite	11.23	
32 93 23 00-0128		Annuals *(32 93 23)*		
32 93 23 00-0129	EA	2-1/2" Pot Annual Flowers	5.62	
32 93 23 00-0130	EA	3" Pot Annual Flowers	7.61	
32 93 23 00-0131	EA	4" Pot Annual Flowers	16.26	
32 93 23 00-0132	EA	5-1/2" Pot Annual Flowers	21.62	
32 93 23 00-0133	EA	6" Pot Annual Flowers	42.81	
32 93 23 00-0134	EA	8" Pot Annual Flowers	71.34	
32 93 23 00-0135	EA	36 Plant Flat Annual Flowers	93.39	
32 93 23 00-0136	EA	48 Plant Flat Annual Flowers	105.93	
32 93 23 00-0137		Bulbs *(32 93 23)*		
32 93 23 00-0138	EA	Top Size Allium giganteum - Giant Ornamental Onion	19.55	
32 93 23 00-0139	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.13	
32 93 23 00-0140	EA	Top Size Crocus Hybrid	1.28	
32 93 23 00-0141	EA	Top Size Eranthis hyemalis - Winter Aconite	1.65	
32 93 23 00-0142	EA	Top Size Galanthus nivalis - Snowdrops	2.11	
32 93 23 00-0143	EA	Top Size Iris reticulata cvs - Dutch Iris	0.83	
32 93 23 00-0144	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.98	
32 93 23 00-0145	EA	Top Size Muscari latifolium - Grape Hyacinth	1.13	
32 93 23 00-0146	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	6.77	
32 93 23 00-0147	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.23	
32 93 23 00-0148	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.38	
32 93 23 00-0149	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.38	
32 93 23 00-0150	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.53	
32 93 23 00-0151	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	3.76	
32 93 23 00-0152	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.53	
32 93 23 00-0153	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.31	
32 93 23 00-0154	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.53	
32 93 23 00-0155	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.53	
32 93 23 00-0156	EA	Top Size Scilla siberica - Siberian Squill	1.05	
32 93 23 00-0157	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.01	
32 93 23 00-0158	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.26	
32 93 23 00-0159	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.01	
32 93 23 00-0160	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.63	
32 93 23 00-0161	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	3.76	
32 93 23 00-0162	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	2.86	
32 93 23 00-0163	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.48	
32 93 23 00-0164	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	2.78	
32 93 23 00-0165	EA	Top Size Tulip clusiana - Species Tulip	2.78	
32 93 23 00-0166	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	2.78	
32 93 23 00-0167	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.26	
32 93 23 00-0168	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.18	
32 93 23 00-0169	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.26	
32 93 23 00-0170	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	3.76	
32 93 23 00-0171	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.26	
32 93 23 00-0172	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.01	
32 93 23 00-0173	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.23	
32 93 23 00-0174	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0175	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.71	
32 93 23 00-0176	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.56	
32 93 23 00-0177	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	2.78	
32 93 23 00-0178	EA	Top Size Tulip 'Princeps' - Princeps Tulip	2.78	
32 93 23 00-0179	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.18	
32 93 23 00-0180	EA	Top Size Tulip saxatilis - Species Tulip	1.50	
32 93 23 00-0181	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.26	
32 93 23 00-0182	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	2.93	
32 93 23 00-0183	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.26	

32 93 33 Shrubs *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shurbs.

32 93 33 00-0001 Shrubs *(32 93 33)*

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	18.87	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	38.43	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	73.77	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	101.16	
32 93 33 00-0006	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	147.84	
32 93 33 00-0007	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	164.96	
32 93 33 00-0008	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	208.54	
32 93 33 00-0009	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	231.88	
32 93 33 00-0010	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	46.69	
32 93 33 00-0011	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	62.25	
32 93 33 00-0012	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	77.81	
32 93 33 00-0013	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	42.46	
32 93 33 00-0014	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	49.95	
32 93 33 00-0015	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	59.94	
32 93 33 00-0016	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	69.93	
32 93 33 00-0017	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	84.92	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	41.21	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.71	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.21	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	52.45	
32 93 33 00-0022	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	41.84	
32 93 33 00-0023	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	44.33	
32 93 33 00-0024	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.83	
32 93 33 00-0025	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.33	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.59	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	19.86	
32 93 33 00-0028	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.33	
32 93 33 00-0029	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	23.08	
32 93 33 00-0030	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.33	
32 93 33 00-0031	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	23.08	
32 93 33 00-0032	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.06	
32 93 33 00-0033	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	22.14	
32 93 33 00-0034	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	29.92	
32 93 33 00-0035	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	10.73	
32 93 33 00-0036	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	15.70	
32 93 33 00-0037	EA	15" To 18" Berberis - Northern Bayberry	44.81	
32 93 33 00-0038	EA	2' To 2-1/2' Berberis - Northern Bayberry	56.88	
32 93 33 00-0039	EA	2-1/2' To 3' Berberis - Northern Bayberry	79.69	
32 93 33 00-0040	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	10.54	
32 93 33 00-0041	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	25.39	
32 93 33 00-0042	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	47.89	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	61.31	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	78.35	
32 93 33 00-0045	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	12.88	
32 93 33 00-0046	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	25.36	
32 93 33 00-0047	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	30.99	
32 93 33 00-0048	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	12.21	
32 93 33 00-0049	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	34.48	
32 93 33 00-0050	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	47.89	
32 93 33 00-0051	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	73.92	
32 93 33 00-0052	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	13.95	
32 93 33 00-0053	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	37.43	
32 93 33 00-0054	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	39.85	
32 93 33 00-0055	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	51.25	
32 93 33 00-0056	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	68.29	
32 93 33 00-0057	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	102.50	
32 93 33 00-0058	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	142.34	
32 93 33 00-0059	EA	12" To 15" Buxus sempervirens - Common Boxwood	39.85	
32 93 33 00-0060	EA	15" To 18" Buxus sempervirens - Common Boxwood	51.25	
32 93 33 00-0061	EA	18" To 24" Buxus sempervirens - Common Boxwood	68.29	
32 93 33 00-0062	EA	24" To 30" Buxus sempervirens - Common Boxwood	102.50	
32 93 33 00-0063	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	26.23	
32 93 33 00-0064	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	43.71	
32 93 33 00-0065	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	114.89	
32 93 33 00-0066	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	62.44	
32 93 33 00-0067	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	84.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0068	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	114.89	
32 93 33 00-0069	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	41.21	
32 93 33 00-0070	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	37.46	
32 93 33 00-0071	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	49.95	
32 93 33 00-0072	EA	1 Gallon Camellia "Sasanqua" - Camellia	14.96	
32 93 33 00-0073	EA	3 Gallon Camellia "Sasanqua" - Camellia	31.92	
32 93 33 00-0074	EA	5 Gallon Camellia "Sasanqua" - Camellia	53.08	
32 93 33 00-0075	EA	7 Gallon Camellia "Sasanqua" - Camellia	79.03	
32 93 33 00-0076	EA	15 Gallon Camellia "Sasanqua" - Camellia	205.06	
32 93 33 00-0077	EA	1 Gallon Camellia japonica - Camellia	14.96	
32 93 33 00-0078	EA	3 Gallon Camellia japonica - Camellia	31.92	
32 93 33 00-0079	EA	5 Gallon Camellia japonica - Camellia	53.08	
32 93 33 00-0080	EA	5 Gallon Ceanothus americanus - New Jersey Tea	41.21	
32 93 33 00-0081	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	10.54	
32 93 33 00-0082	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	27.40	
32 93 33 00-0083	EA	5 Gallon Celastrus scandens - Bittersweet	41.21	
32 93 33 00-0084	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	34.97	
32 93 33 00-0085	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	41.21	
32 93 33 00-0086	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	31.22	
32 93 33 00-0087	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	34.97	
32 93 33 00-0088	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	37.46	
32 93 33 00-0089	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	35.95	
32 93 33 00-0090	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	47.89	
32 93 33 00-0091	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	73.92	
32 93 33 00-0092	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	39.96	
32 93 33 00-0093	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	43.08	
32 93 33 00-0094	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	48.08	
32 93 33 00-0095	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.58	
32 93 33 00-0096	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	59.32	
32 93 33 00-0097	EA	1 Gallon Cistus Hybridus - White Rockrose	9.33	
32 93 33 00-0098	EA	5 Gallon Cistus Hybridus - White Rockrose	23.08	
32 93 33 00-0099	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.33	
32 93 33 00-0100	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.08	
32 93 33 00-0101	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	108.09	
32 93 33 00-0102	EA	2' To 3' Cornus mas - Cornelian Cherry	56.88	
32 93 33 00-0103	EA	3' To 4' Cornus mas - Cornelian Cherry	71.10	
32 93 33 00-0104	EA	4' To 5' Cornus mas - Cornelian Cherry	91.10	
32 93 33 00-0105	EA	5' To 6' Cornus mas - Cornelian Cherry	125.17	
32 93 33 00-0106	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	37.46	
32 93 33 00-0107	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	26.23	
32 93 33 00-0108	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.97	
32 93 33 00-0109	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	37.46	
32 93 33 00-0110	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	44.96	
32 93 33 00-0111	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	37.46	
32 93 33 00-0112	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	41.21	
32 93 33 00-0113	EA	5 Gallon Cornus racemosa - Gray Dogwood	41.21	
32 93 33 00-0114	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	37.46	
32 93 33 00-0115	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	43.71	
32 93 33 00-0116	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	47.46	
32 93 33 00-0117	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	57.45	
32 93 33 00-0118	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	40.59	
32 93 33 00-0119	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.58	
32 93 33 00-0120	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	51.83	
32 93 33 00-0121	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	32.47	
32 93 33 00-0122	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	37.46	
32 93 33 00-0123	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.96	
32 93 33 00-0124	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	43.71	
32 93 33 00-0125	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.70	
32 93 33 00-0126	EA	5 Gallon Corylus americana - American Filbert	38.71	
32 93 33 00-0127	EA	30" Balled and Burlapped, Corylus americana - American Filbert	43.71	
32 93 33 00-0128	EA	36" Balled and Burlapped, Corylus americana - American Filbert	46.83	
32 93 33 00-0129	EA	48" Balled and Burlapped, Corylus americana - American Filbert	50.58	
32 93 33 00-0130	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	124.88	
32 93 33 00-0131	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	162.35	
32 93 33 00-0132	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	174.84	
32 93 33 00-0133	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	224.79	
32 93 33 00-0134	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	274.74	
32 93 33 00-0135	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	312.21	
32 93 33 00-0136	EA	5' To 6' Cotinus coggygria - Smoke Tree	119.54	
32 93 33 00-0137	EA	6' To 8' Cotinus coggygria - Smoke Tree	179.24	
32 93 33 00-0138	EA	8' To 10' Cotinus coggygria - Smoke Tree	270.33	
32 93 33 00-0139	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22	
32 93 33 00-0140	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22	
32 93 33 00-0141	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.47	
32 93 33 00-0142	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	29.92	
32 93 33 00-0143	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47	
32 93 33 00-0144	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	31.22	
32 93 33 00-0145	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47	
32 93 33 00-0146	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	12.88	
32 93 33 00-0147	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	39.85	
32 93 33 00-0148	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	53.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0149	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	91.09	
32 93 33 00-0150	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.33	
32 93 33 00-0151	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.08	
32 93 33 00-0152	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	12.88	
32 93 33 00-0153	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	25.36	
32 93 33 00-0154	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.33	
32 93 33 00-0155	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.08	
32 93 33 00-0156	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	91.63	
32 93 33 00-0157	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	31.85	
32 93 33 00-0158	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	34.97	
32 93 33 00-0159	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	44.96	
32 93 33 00-0160	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	52.45	
32 93 33 00-0161	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	59.94	
32 93 33 00-0162	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	49.95	
32 93 33 00-0163	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	59.94	
32 93 33 00-0164	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	69.93	
32 93 33 00-0165	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	18.73	
32 93 33 00-0166	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	44.96	
32 93 33 00-0167	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	59.94	
32 93 33 00-0168	EA	1 Gallon Elaeagnus - Silverberry	11.49	
32 93 33 00-0169	EA	3 Gallon Elaeagnus - Silverberry	22.98	
32 93 33 00-0170	EA	5 Gallon Elaeagnus - Silverberry	31.60	
32 93 33 00-0171	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	37.30	
32 93 33 00-0172	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	51.25	
32 93 33 00-0173	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	61.31	
32 93 33 00-0174	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	59.70	
32 93 33 00-0175	EA	1 Gallon Euonymus - Gold Spot	10.73	
32 93 33 00-0176	EA	2 Gallon Euonymus - Gold Spot	22.54	
32 93 33 00-0177	EA	5 Gallon Euonymus - Gold Spot	30.99	
32 93 33 00-0178	EA	1 Gallon Euonymus alatus - Winged Euonymus	9.16	
32 93 33 00-0179	EA	3 Gallon Euonymus alatus - Winged Euonymus	26.43	
32 93 33 00-0180	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	35.62	
32 93 33 00-0181	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	44.52	
32 93 33 00-0182	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	61.18	
32 93 33 00-0183	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	75.54	
32 93 33 00-0184	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	89.04	
32 93 33 00-0185	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	114.89	
32 93 33 00-0186	EA	5 Gallon Euonymus alatus - Winged Euonymus	33.03	
32 93 33 00-0187	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	143.62	
32 93 33 00-0188	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	56.20	
32 93 33 00-0189	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	66.81	
32 93 33 00-0190	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	87.42	
32 93 33 00-0191	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	104.90	
32 93 33 00-0192	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	129.88	
32 93 33 00-0193	EA	18" To 24" Euonymus alatus - Winged Burning Bush	39.85	
32 93 33 00-0194	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	46.96	
32 93 33 00-0195	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	64.13	
32 93 33 00-0196	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	76.87	
32 93 33 00-0197	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	96.73	
32 93 33 00-0198	EA	4' To 5' Euonymus alatus - Winged Burning Bush	136.57	
32 93 33 00-0199	EA	5' To 6' Euonymus alatus - Winged Burning Bush	170.78	
32 93 33 00-0200	EA	6' To 8' Euonymus alatus - Winged Burning Bush	199.23	
32 93 33 00-0201	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	39.85	
32 93 33 00-0202	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	45.48	
32 93 33 00-0203	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	55.54	
32 93 33 00-0204	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	78.35	
32 93 33 00-0205	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	92.57	
32 93 33 00-0206	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	110.95	
32 93 33 00-0207	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	156.56	
32 93 33 00-0208	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	185.00	
32 93 33 00-0209	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	33.72	
32 93 33 00-0210	EA	1 Gallon Euonymus fortunei - Wintercreeper	12.88	
32 93 33 00-0211	EA	2 Gallon Euonymus fortunei - Wintercreeper	25.36	
32 93 33 00-0212	EA	3 Gallon Euonymus fortunei - Wintercreeper	30.99	
32 93 33 00-0213	EA	5 Gallon Euonymus fortunei - Wintercreeper	36.76	
32 93 33 00-0214	EA	2' To 3' Forsythia - Korean Forsythia	28.44	
32 93 33 00-0215	EA	3' To 4' Forsythia - Korean Forsythia	35.96	
32 93 33 00-0216	EA	4' To 5' Forsythia - Korean Forsythia	44.81	
32 93 33 00-0217	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	28.72	
32 93 33 00-0218	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	31.85	
32 93 33 00-0219	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	34.34	
32 93 33 00-0220	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	29.97	
32 93 33 00-0221	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	39.96	
32 93 33 00-0222	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	29.97	
32 93 33 00-0223	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	34.97	
32 93 33 00-0224	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	41.21	
32 93 33 00-0225	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	47.46	
32 93 33 00-0226	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	54.95	
32 93 33 00-0227	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	42.46	
32 93 33 00-0228	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	59.32	
32 93 33 00-0229	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0230	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	64.94	
32 93 33 00-0231	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	69.93	
32 93 33 00-0232	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	84.92	
32 93 33 00-0233	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	109.90	
32 93 33 00-0234	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	124.88	
32 93 33 00-0235	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	9.26	
32 93 33 00-0236	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	24.28	
32 93 33 00-0237	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	30.99	
32 93 33 00-0238	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	87.42	
32 93 33 00-0239	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	142.37	
32 93 33 00-0240	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	179.83	
32 93 33 00-0241	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	274.74	
32 93 33 00-0242	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	312.21	
32 93 33 00-0243	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.31	
32 93 33 00-0244	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	18.67	
32 93 33 00-0245	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	35.90	
32 93 33 00-0246	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	13.61	
32 93 33 00-0247	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	22.98	
32 93 33 00-0248	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	34.75	
32 93 33 00-0249	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	35.96	
32 93 33 00-0250	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	30.59	
32 93 33 00-0251	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	41.32	
32 93 33 00-0252	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	59.70	
32 93 33 00-0253	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	82.51	
32 93 33 00-0254	EA	2 Gallon Hydrangea - Blue Hydrangea	25.36	
32 93 33 00-0255	EA	5 Gallon Hydrangea - Blue Hydrangea	35.69	
32 93 33 00-0256	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	39.84	
32 93 33 00-0257	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	45.48	
32 93 33 00-0258	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	25.36	
32 93 33 00-0259	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	43.71	
32 93 33 00-0260	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	47.46	
32 93 33 00-0261	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	54.95	
32 93 33 00-0262	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.45	
32 93 33 00-0263	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	44.96	
32 93 33 00-0264	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	59.94	
32 93 33 00-0265	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	26.23	
32 93 33 00-0266	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	31.22	
32 93 33 00-0267	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	26.85	
32 93 33 00-0268	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.72	
32 93 33 00-0269	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.47	
32 93 33 00-0270	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	37.46	
32 93 33 00-0271	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	49.95	
32 93 33 00-0272	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	36.22	
32 93 33 00-0273	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	41.21	
32 93 33 00-0274	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	48.70	
32 93 33 00-0275	EA	2 Gallon Hypericum kalmianum - St. John's Wort	25.36	
32 93 33 00-0276	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	29.97	
32 93 33 00-0277	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	32.47	
32 93 33 00-0278	EA	1 Gallon Ilex "Carissa" - Holly	12.88	
32 93 33 00-0279	EA	2 Gallon Ilex "Carissa" - Holly	25.36	
32 93 33 00-0280	EA	5 Gallon Ilex "Carissa" - Holly	35.69	
32 93 33 00-0281	EA	18" To 24" Ilex - Gulftide Sweet Holly	34.21	
32 93 33 00-0282	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	43.33	
32 93 33 00-0283	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	56.21	
32 93 33 00-0284	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	68.29	
32 93 33 00-0285	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	25.55	
32 93 33 00-0286	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	12.88	
32 93 33 00-0287	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	25.36	
32 93 33 00-0288	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	36.76	
32 93 33 00-0289	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	12.88	
32 93 33 00-0290	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	28.17	
32 93 33 00-0291	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	36.76	
32 93 33 00-0292	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	28.17	
32 93 33 00-0293	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	33.94	
32 93 33 00-0294	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	68.29	
32 93 33 00-0295	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	91.09	
32 93 33 00-0296	EA	2' To 3' Ilex opaca - American Holly	91.09	
32 93 33 00-0297	EA	3' To 4' Ilex opaca - American Holly	150.79	
32 93 33 00-0298	EA	4' To 5' Ilex opaca - American Holly	193.46	
32 93 33 00-0299	EA	5' To 6' Ilex opaca - American Holly	233.30	
32 93 33 00-0300	EA	6' To 7' Ilex opaca - American Holly	327.21	
32 93 33 00-0301	EA	7' To 8' Ilex opaca - American Holly	455.33	
32 93 33 00-0302	EA	8' To 10' Ilex opaca - American Holly	654.42	
32 93 33 00-0303	EA	10' To 12' Ilex opaca - American Holly	995.99	
32 93 33 00-0304	EA	12' To 14' Ilex opaca - American Holly	1,209.30	
32 93 33 00-0305	EA	14' To 16' Ilex opaca - American Holly	1,493.85	
32 93 33 00-0306	EA	2' To 3' Ilex verticillata - Winterberry (Female)	91.09	
32 93 33 00-0307	EA	3' To 4' Ilex verticillata - Winterberry (Female)	119.54	
32 93 33 00-0308	EA	2' To 3' Ilex verticillata - Winterberry (Male)	73.92	
32 93 33 00-0309	EA	3' To 4' Ilex verticillata - Winterberry (Male)	102.50	
32 93 33 00-0310	EA	4' To 5' Ilex verticillata - Winterberry (Male)	119.54	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0311	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.08	
32 93 33 00-0312	EA	3 Gallon Ilex vomitoria - Yaupon Holly	24.28	
32 93 33 00-0313	EA	10 Gallon Ilex vomitoria - Yaupon Holly	85.32	
32 93 33 00-0314	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	38.71	
32 93 33 00-0315	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.71	
32 93 33 00-0316	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	49.95	
32 93 33 00-0317	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	46.21	
32 93 33 00-0318	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	56.20	
32 93 33 00-0319	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0320	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0321	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.71	
32 93 33 00-0322	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	52.45	
32 93 33 00-0323	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.69	
32 93 33 00-0324	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	62.44	
32 93 33 00-0325	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	79.92	
32 93 33 00-0326	EA	4' To 5' Ilex x attenuata "Foster" - Holly	147.98	
32 93 33 00-0327	EA	5' To 6' Ilex x attenuata "Foster" - Holly	196.27	
32 93 33 00-0328	EA	6' To 7' Ilex x attenuata "Foster" - Holly	175.61	
32 93 33 00-0329	EA	7' To 8' Ilex x attenuata "Foster" - Holly	341.43	
32 93 33 00-0330	EA	1 Gallon Jasimnum - Jasmine	3.30	
32 93 33 00-0331	EA	3 Gallon Jasimnum - Jasmine	12.93	
32 93 33 00-0332	EA	3 Gallon Jasimnum - Orange Jasmine	10.05	
32 93 33 00-0333	EA	4' - 5' Jasimnum - Orange Jasmine	114.89	
32 93 33 00-0334	EA	6' - 7' Jasimnum - Orange Jasmine	229.78	
32 93 33 00-0335	EA	8' - 10' Jasimnum - Orange Jasmine	310.21	
32 93 33 00-0336	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	43.71	
32 93 33 00-0337	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	48.70	
32 93 33 00-0338	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	64.94	
32 93 33 00-0339	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	84.92	
32 93 33 00-0340	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	99.91	
32 93 33 00-0341	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	134.87	
32 93 33 00-0342	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	184.83	
32 93 33 00-0343	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	20.82	
32 93 33 00-0344	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	43.71	
32 93 33 00-0345	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.70	
32 93 33 00-0346	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	52.45	
32 93 33 00-0347	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	57.45	
32 93 33 00-0348	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	69.93	
32 93 33 00-0349	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	84.92	
32 93 33 00-0350	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	33.72	
32 93 33 00-0351	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	39.96	
32 93 33 00-0352	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	54.95	
32 93 33 00-0353	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	69.93	
32 93 33 00-0354	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	84.92	
32 93 33 00-0355	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	31.22	
32 93 33 00-0356	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	37.46	
32 93 33 00-0357	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	32.47	
32 93 33 00-0358	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	62.44	
32 93 33 00-0359	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	97.41	
32 93 33 00-0360	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	122.38	
32 93 33 00-0361	EA	15" To 18" Kalmia latifolia - Mountain Laurel	51.25	
32 93 33 00-0362	EA	18" To 24" Kalmia latifolia - Mountain Laurel	68.29	
32 93 33 00-0363	EA	2' To 3' Kalmia latifolia - Mountain Laurel	99.55	
32 93 33 00-0364	EA	4' To 5' Kalmia latifolia - Mountain Laurel	182.05	
32 93 33 00-0365	EA	5' To 6' Kalmia latifolia - Mountain Laurel	278.91	
32 93 33 00-0366	EA	6' To 8' Kalmia latifolia - Mountain Laurel	426.89	
32 93 33 00-0367	EA	1 Gallon Kerria japonica - Kerria	11.40	
32 93 33 00-0368	EA	5 Gallon Kerria japonica - Kerria	35.69	
32 93 33 00-0369	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	36.22	
32 93 33 00-0370	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	41.21	
32 93 33 00-0371	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	44.96	
32 93 33 00-0372	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	52.45	
32 93 33 00-0373	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	59.94	
32 93 33 00-0374	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	74.93	
32 93 33 00-0375	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.59	
32 93 33 00-0376	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	30.59	
32 93 33 00-0377	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	42.66	
32 93 33 00-0378	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	62.65	
32 93 33 00-0379	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	99.55	
32 93 33 00-0380	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	129.25	
32 93 33 00-0381	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	172.34	
32 93 33 00-0382	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	359.04	
32 93 33 00-0383	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	12.88	
32 93 33 00-0384	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	28.17	
32 93 33 00-0385	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	33.94	
32 93 33 00-0386	EA	1 Gallon Ligustrum lucidum - Glossy Privet	7.92	
32 93 33 00-0387	EA	5 Gallon Ligustrum lucidum - Glossy Privet	24.28	
32 93 33 00-0388	EA	15 Gallon Ligustrum lucidum - Glossy Privet	113.77	
32 93 33 00-0389	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	7.92	
32 93 33 00-0390	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.04	
32 93 33 00-0391	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	22.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0392	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	37.46	
32 93 33 00-0393	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	54.95	
32 93 33 00-0394	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	69.93	
32 93 33 00-0395	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	79.92	
32 93 33 00-0396	EA	5 Gallon Lindera benzoin - Spicebush	41.21	
32 93 33 00-0397	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	34.97	
32 93 33 00-0398	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	42.46	
32 93 33 00-0399	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	68.29	
32 93 33 00-0400	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	82.51	
32 93 33 00-0401	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	37.46	
32 93 33 00-0402	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	44.96	
32 93 33 00-0403	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	49.95	
32 93 33 00-0404	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	54.95	
32 93 33 00-0405	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.18	
32 93 33 00-0406	EA	4 Gallon Myrica cerifera - Wax Myrtle	22.98	
32 93 33 00-0407	EA	7 Gallon Myrica cerifera - Wax Myrtle	50.27	
32 93 33 00-0408	EA	10 Gallon Myrica cerifera - Wax Myrtle	74.68	
32 93 33 00-0409	EA	15 Gallon Myrica cerifera - Wax Myrtle	114.89	
32 93 33 00-0410	EA	45 Gallon Myrica cerifera - Wax Myrtle	344.68	
32 93 33 00-0411	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.05	
32 93 33 00-0412	EA	3' - 4' Myrica cerifera - Wax Myrtle	34.47	
32 93 33 00-0413	EA	5' - 6' Myrica cerifera - Wax Myrtle	63.19	
32 93 33 00-0414	EA	7' - 8' Myrica cerifera - Wax Myrtle	86.17	
32 93 33 00-0415	EA	9' - 10' Myrica cerifera - Wax Myrtle	114.89	
32 93 33 00-0416	EA	11' - 12' Myrica cerifera - Wax Myrtle	175.21	
32 93 33 00-0417	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	37.46	
32 93 33 00-0418	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	61.19	
32 93 33 00-0419	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	89.92	
32 93 33 00-0420	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	107.40	
32 93 33 00-0421	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.39	
32 93 33 00-0422	EA	1 Gallon Nandina domestica - Heavenly Bamboo	12.88	
32 93 33 00-0423	EA	2 Gallon Nandina domestica - Heavenly Bamboo	28.17	
32 93 33 00-0424	EA	5 Gallon Nandina domestica - Heavenly Bamboo	42.66	
32 93 33 00-0425	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	7.92	
32 93 33 00-0426	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	21.46	
32 93 33 00-0427	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.00	
32 93 33 00-0428	EA	5 Gallon Philadelphus - Evergreen Mockorange	35.69	
32 93 33 00-0429	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	37.46	
32 93 33 00-0430	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	43.71	
32 93 33 00-0431	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	49.95	
32 93 33 00-0432	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	37.46	
32 93 33 00-0433	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	43.71	
32 93 33 00-0434	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	49.95	
32 93 33 00-0435	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	62.44	
32 93 33 00-0436	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	74.93	
32 93 33 00-0437	EA	12" To 15" Spread Pieris - Mountain Andromeda	34.48	
32 93 33 00-0438	EA	15" To 18" Spread Pieris - Mountain Andromeda	73.92	
32 93 33 00-0439	EA	12" To 15" Pieris japonica - Japanese Andromeda	44.81	
32 93 33 00-0440	EA	15" To 18" Pieris japonica - Japanese Andromeda	51.25	
32 93 33 00-0441	EA	18" To 24" Pieris japonica - Japanese Andromeda	64.13	
32 93 33 00-0442	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	91.09	
32 93 33 00-0443	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	108.13	
32 93 33 00-0444	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	38.91	
32 93 33 00-0445	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	49.80	
32 93 33 00-0446	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	59.92	
32 93 33 00-0447	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	77.04	
32 93 33 00-0448	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	92.60	
32 93 33 00-0449	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	135.39	
32 93 33 00-0450	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	84.04	
32 93 33 00-0451	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	101.16	
32 93 33 00-0452	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	134.62	
32 93 33 00-0453	EA	1 Gallon Pittosporum - Pittosporum	4.74	
32 93 33 00-0454	EA	3 Gallon Pittosporum - Pittosporum	12.21	
32 93 33 00-0455	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.74	
32 93 33 00-0456	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.21	
32 93 33 00-0457	EA	5 Gallon Pittosporum - Varigated Pittosporum	21.40	
32 93 33 00-0458	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	5.74	
32 93 33 00-0459	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	17.23	
32 93 33 00-0460	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	21.23	
32 93 33 00-0461	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	29.97	
32 93 33 00-0462	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	22.48	
32 93 33 00-0463	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	24.98	
32 93 33 00-0464	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	36.22	
32 93 33 00-0465	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	41.84	
32 93 33 00-0466	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.35	
32 93 33 00-0467	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	13.37	
32 93 33 00-0468	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	79.75	
32 93 33 00-0469	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	20.40	
32 93 33 00-0470	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	25.24	
32 93 33 00-0471	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	32.85	
32 93 33 00-0472	EA	15" To 18" Prunus triloba - Double White Flowering Almond	18.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0473	EA	18" To 24" Prunus triloba - Double White Flowering Almond	23.32	
32 93 33 00-0474	EA	3' To 4' Prunus triloba - Double White Flowering Almond	37.20	
32 93 33 00-0475	EA	4' To 6' Prunus triloba - Double White Flowering Almond	74.48	
32 93 33 00-0476	EA	5 Gallon Prunus triloba - Pink Flowering Almond	22.40	
32 93 33 00-0477	EA	18" To 24" Prunus triloba - Pink Flowering Almond	25.16	
32 93 33 00-0478	EA	2' To 3' Prunus triloba - Pink Flowering Almond	29.26	
32 93 33 00-0479	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	19.90	
32 93 33 00-0480	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	24.41	
32 93 33 00-0481	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	29.26	
32 93 33 00-0482	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	33.52	
32 93 33 00-0483	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.45	
32 93 33 00-0484	EA	3 Gallon Punica granatum - Dwarf Pomegranate	24.95	
32 93 33 00-0485	EA	7 Gallon Punica granatum - Dwarf Pomegranate	51.25	
32 93 33 00-0486	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	10.73	
32 93 33 00-0487	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	35.69	
32 93 33 00-0488	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	73.92	
32 93 33 00-0489	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	8.59	
32 93 33 00-0490	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	16.37	
32 93 33 00-0491	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	29.11	
32 93 33 00-0492	EA	1 Gallon Rhamnus californica - Coffeeberry	13.05	
32 93 33 00-0493	EA	5 Gallon Rhamnus californica - Coffeeberry	37.32	
32 93 33 00-0494	EA	15 Gallon Rhamnus californica - Coffeeberry	112.00	
32 93 33 00-0495	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	65.47	
32 93 33 00-0496	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	89.75	
32 93 33 00-0497	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	116.72	
32 93 33 00-0498	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	213.45	
32 93 33 00-0499	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	13.95	
32 93 33 00-0500	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	28.17	
32 93 33 00-0501	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	36.76	
32 93 33 00-0502	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	42.66	
32 93 33 00-0503	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	49.91	
32 93 33 00-0504	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	62.65	
32 93 33 00-0505	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	91.09	
32 93 33 00-0506	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	127.99	
32 93 33 00-0507	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	15.70	
32 93 33 00-0508	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	28.17	
32 93 33 00-0509	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.43	
32 93 33 00-0510	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	62.65	
32 93 33 00-0511	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	91.09	
32 93 33 00-0512	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	133.76	
32 93 33 00-0513	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	179.24	
32 93 33 00-0514	EA	5 Gallon Rhododendron - Boxleaf Azara	35.69	
32 93 33 00-0515	EA	15 Gallon Rhododendron - Boxleaf Azara	127.99	
32 93 33 00-0516	EA	15" To 18" Rhododendron - Carolina Rhododendron	40.38	
32 93 33 00-0517	EA	18" To 24" Rhododendron - Carolina Rhododendron	71.10	
32 93 33 00-0518	EA	24" To 30" Rhododendron - Carolina Rhododendron	105.31	
32 93 33 00-0519	EA	2' To 3' Rhododendron - Five-leafed Azalea	47.89	
32 93 33 00-0520	EA	3' To 4' Rhododendron - Five-leafed Azalea	62.65	
32 93 33 00-0521	EA	4' To 5' Rhododendron - Five-leafed Azalea	82.51	
32 93 33 00-0522	EA	15" To 18" Rhododendron - Ghent Azalea	47.89	
32 93 33 00-0523	EA	18" To 24" Rhododendron - Ghent Azalea	59.70	
32 93 33 00-0524	EA	2' To 3' Rhododendron - Ghent Azalea	96.73	
32 93 33 00-0525	EA	3' To 4' Rhododendron - Ghent Azalea	133.76	
32 93 33 00-0526	EA	4' To 5' Rhododendron - Ghent Azalea	179.24	
32 93 33 00-0527	EA	5' To 6' Rhododendron - Ghent Azalea	239.07	
32 93 33 00-0528	EA	1 Gallon Rhododendron - Hybrid Rhododendron	15.70	
32 93 33 00-0529	EA	2 Gallon Rhododendron - Hybrid Rhododendron	33.94	
32 93 33 00-0530	EA	3 Gallon Rhododendron - Hybrid Rhododendron	48.16	
32 93 33 00-0531	EA	5 Gallon Rhododendron - Hybrid Rhododendron	53.80	
32 93 33 00-0532	EA	15" To 18" Rhododendron - Hybrid Rhododendron	45.48	
32 93 33 00-0533	EA	18" To 24" Rhododendron - Hybrid Rhododendron	62.65	
32 93 33 00-0534	EA	24" To 30" Rhododendron - Hybrid Rhododendron	85.32	
32 93 33 00-0535	EA	30" To 36" Rhododendron - Hybrid Rhododendron	99.55	
32 93 33 00-0536	EA	36" To 42" Rhododendron - Hybrid Rhododendron	142.34	
32 93 33 00-0537	EA	42" To 48" Rhododendron - Hybrid Rhododendron	176.42	
32 93 33 00-0538	EA	15" To 18" Rhododendron - Pjm Rhododendron	51.25	
32 93 33 00-0539	EA	18" To 24" Rhododendron - Pjm Rhododendron	62.65	
32 93 33 00-0540	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	91.09	
32 93 33 00-0541	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	116.72	
32 93 33 00-0542	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	142.34	
32 93 33 00-0543	EA	12" To 15" Rhododendron - Torch Azalea	39.85	
32 93 33 00-0544	EA	15" To 18" Rhododendron - Torch Azalea	47.89	
32 93 33 00-0545	EA	18" To 24" Rhododendron - Torch Azalea	59.70	
32 93 33 00-0546	EA	2' To 3' Rhododendron - Torch Azalea	99.55	
32 93 33 00-0547	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	44.96	
32 93 33 00-0548	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	54.95	
32 93 33 00-0549	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	67.44	
32 93 33 00-0550	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	84.92	
32 93 33 00-0551	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	99.91	
32 93 33 00-0552	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	119.89	
32 93 33 00-0553	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	12.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0554	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	35.69	
32 93 33 00-0555	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	29.97	
32 93 33 00-0556	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	41.21	
32 93 33 00-0557	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	47.46	
32 93 33 00-0558	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	62.44	
32 93 33 00-0559	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	37.46	
32 93 33 00-0560	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	62.44	
32 93 33 00-0561	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	99.91	
32 93 33 00-0562	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	33.72	
32 93 33 00-0563	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	38.71	
32 93 33 00-0564	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	56.20	
32 93 33 00-0565	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	74.93	
32 93 33 00-0566	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	20.61	
32 93 33 00-0567	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	24.98	
32 93 33 00-0568	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	31.22	
32 93 33 00-0569	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	22.48	
32 93 33 00-0570	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	28.72	
32 93 33 00-0571	EA	5 Gallon Sambucus canadensis - American Elder	41.21	
32 93 33 00-0572	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	18.51	
32 93 33 00-0573	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	27.10	
32 93 33 00-0574	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.06	
32 93 33 00-0575	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	26.30	
32 93 33 00-0576	EA	1 Gallon Skimmia japonica - Japanese Skimmia	12.88	
32 93 33 00-0577	EA	2 Gallon Skimmia japonica - Japanese Skimmia	25.62	
32 93 33 00-0578	EA	5 Gallon Skimmia japonica - Japanese Skimmia	41.32	
32 93 33 00-0579	EA	3' To 4' Spiraea - Garland Spirea	59.70	
32 93 33 00-0580	EA	4' To 5' Spiraea - Garland Spirea	91.09	
32 93 33 00-0581	EA	5 Gallon Spiraea - Snowmound Spirea	35.69	
32 93 33 00-0582	EA	18" To 24" Spiraea - Snowmound Spirea	29.25	
32 93 33 00-0583	EA	2' To 3' Spiraea - Snowmound Spirea	41.32	
32 93 33 00-0584	EA	3' To 4' Spiraea - Snowmound Spirea	47.90	
32 93 33 00-0585	EA	4' To 5' Spiraea - Snowmound Spirea	82.51	
32 93 33 00-0586	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	12.88	
32 93 33 00-0587	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	25.36	
32 93 33 00-0588	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	29.35	
32 93 33 00-0589	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	31.85	
32 93 33 00-0590	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	32.47	
32 93 33 00-0591	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	37.46	
32 93 33 00-0592	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	42.46	
32 93 33 00-0593	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	49.33	
32 93 33 00-0594	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	19.98	
32 93 33 00-0595	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	29.97	
32 93 33 00-0596	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	27.47	
32 93 33 00-0597	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	32.47	
32 93 33 00-0598	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	37.46	
32 93 33 00-0599	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	42.46	
32 93 33 00-0600	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	54.95	
32 93 33 00-0601	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.88	
32 93 33 00-0602	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	23.10	
32 93 33 00-0603	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	29.97	
32 93 33 00-0604	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	26.23	
32 93 33 00-0605	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	31.85	
32 93 33 00-0606	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	37.46	
32 93 33 00-0607	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	42.46	
32 93 33 00-0608	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0609	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0610	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.97	
32 93 33 00-0611	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	47.46	
32 93 33 00-0612	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	54.95	
32 93 33 00-0613	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	64.94	
32 93 33 00-0614	EA	5 Gallon Staphylea trifolia - Bladdernut	42.16	
32 93 33 00-0615	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	29.97	
32 93 33 00-0616	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	32.47	
32 93 33 00-0617	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	37.46	
32 93 33 00-0618	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	44.96	
32 93 33 00-0619	EA	2 Gallon Symphoricarpos albus - Common Snowberry	31.22	
32 93 33 00-0620	EA	5 Gallon Symphoricarpos albus - Common Snowberry	33.09	
32 93 33 00-0621	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	54.95	
32 93 33 00-0622	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	68.69	
32 93 33 00-0623	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	79.92	
32 93 33 00-0624	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	92.41	
32 93 33 00-0625	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	54.95	
32 93 33 00-0626	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	59.94	
32 93 33 00-0627	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	68.69	
32 93 33 00-0628	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	79.92	
32 93 33 00-0629	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	92.41	
32 93 33 00-0630	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	43.71	
32 93 33 00-0631	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	47.46	
32 93 33 00-0632	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	37.46	
32 93 33 00-0633	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	42.46	
32 93 33 00-0634	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0635	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	54.95	
32 93 33 00-0636	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	67.44	
32 93 33 00-0637	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	31.22	
32 93 33 00-0638	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	36.22	
32 93 33 00-0639	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	47.46	
32 93 33 00-0640	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	198.56	
32 93 33 00-0641	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.29	
32 93 33 00-0642	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	244.77	
32 93 33 00-0643	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	294.72	
32 93 33 00-0644	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	52.45	
32 93 33 00-0645	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	68.69	
32 93 33 00-0646	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	79.92	
32 93 33 00-0647	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	87.42	
32 93 33 00-0648	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	52.45	
32 93 33 00-0649	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	68.69	
32 93 33 00-0650	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	81.17	
32 93 33 00-0651	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	96.16	
32 93 33 00-0652	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	144.86	
32 93 33 00-0653	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	79.92	
32 93 33 00-0654	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	107.40	
32 93 33 00-0655	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	162.35	
32 93 33 00-0656	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	237.28	
32 93 33 00-0657	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	272.24	
32 93 33 00-0658	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	315.95	
32 93 33 00-0659	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	34.97	
32 93 33 00-0660	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	48.70	
32 93 33 00-0661	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	68.69	
32 93 33 00-0662	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	59.70	
32 93 33 00-0663	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	91.10	
32 93 33 00-0664	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	119.54	
32 93 33 00-0665	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.24	
32 93 33 00-0666	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	19.86	
32 93 33 00-0667	EA	5 Gallon Viburnum plicatum - Japanese Snowball	35.69	
32 93 33 00-0668	EA	5' To 6' Viburnum plicatum - Japanese Snowball	133.76	
32 93 33 00-0669	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	62.65	
32 93 33 00-0670	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	73.92	
32 93 33 00-0671	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	103.97	
32 93 33 00-0672	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	68.69	
32 93 33 00-0673	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	82.42	
32 93 33 00-0674	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	62.44	
32 93 33 00-0675	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	74.93	
32 93 33 00-0676	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	87.42	
32 93 33 00-0677	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	99.91	
32 93 33 00-0678	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	34.97	
32 93 33 00-0679	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	37.46	
32 93 33 00-0680	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	43.71	
32 93 33 00-0681	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	49.95	
32 93 33 00-0682	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	54.95	
32 93 33 00-0683	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	33.72	
32 93 33 00-0684	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.46	
32 93 33 00-0685	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	47.46	
32 93 33 00-0686	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	54.95	
32 93 33 00-0687	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	74.93	
32 93 33 00-0688	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	89.92	
32 93 33 00-0689	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	37.46	
32 93 33 00-0690	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	49.95	
32 93 33 00-0691	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	62.44	
32 93 33 00-0692	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	87.42	
32 93 33 00-0693	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	124.88	
32 93 33 00-0694	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	174.84	
32 93 33 00-0695	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	224.79	
32 93 33 00-0696	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	44.96	
32 93 33 00-0697	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	49.95	
32 93 33 00-0698	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	89.92	
32 93 33 00-0699	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	137.37	
32 93 33 00-0700	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	174.84	
32 93 33 00-0701	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	212.30	
32 93 33 00-0702	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	262.25	
32 93 33 00-0703	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	312.21	
32 93 33 00-0704	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	374.65	
32 93 33 00-0705	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	437.09	
32 93 33 00-0706	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	38.09	
32 93 33 00-0707	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	41.84	
32 93 33 00-0708	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	47.46	
32 93 33 00-0709	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	54.95	
32 93 33 00-0710	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	63.07	
32 93 33 00-0711	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	36.22	
32 93 33 00-0712	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	43.71	
32 93 33 00-0713	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	52.45	
32 93 33 00-0714	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	59.94	
32 93 33 00-0715	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	72.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0716	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	79.92	
32 93 33 00-0717	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	62.44	
32 93 33 00-0718	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	74.93	
32 93 33 00-0719	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	87.42	
32 93 33 00-0720	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	99.91	
32 93 33 00-0721	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.39	
32 93 33 00-0722	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	79.92	
32 93 33 00-0723	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.92	
32 93 33 00-0724	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	102.40	
32 93 33 00-0725	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	117.39	
32 93 33 00-0726	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	73.92	
32 93 33 00-0727	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	91.09	
32 93 33 00-0728	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	133.76	
32 93 33 00-0729	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	41.21	
32 93 33 00-0730	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	37.46	
32 93 33 00-0731	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	42.46	
32 93 33 00-0732	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	47.46	
32 93 33 00-0733	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	54.95	
32 93 33 00-0734	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	62.44	
32 93 33 00-0735	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.59	
32 93 33 00-0736	EA	5 Gallon Xylosma congestum - Shiny Xylosma	24.28	
32 93 33 00-0737	EA	15 Gallon Xylosma congestum - Shiny Xylosma	106.79	
32 93 33 00-0738	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.24	
32 93 33 00-0739	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	19.18	
32 93 33 00-0740	EA	1 Gallon Yucca filamentosa - Adams Needle	10.06	
32 93 33 00-0741	EA	3 Gallon Yucca filamentosa - Adams Needle	19.59	
32 93 33 00-0742	EA	5 Gallon Yucca filamentosa - Adams Needle	30.99	
32 93 33 00-0743	EA	5 Gallon Border Forsythia - Goldenbells	34.48	
32 93 33 00-0744	EA	2' To 3' Border Forsythia - Goldenbells	28.44	
32 93 33 00-0745	EA	3' To 4' Border Forsythia - Goldenbells	35.95	
32 93 33 00-0746	EA	4' To 5' Border Forsythia - Goldenbells	44.81	
32 93 33 00-0747	EA	5' To 6' Border Forsythia - Goldenbells	53.80	
32 93 33 00-0748	EA	6' To 8' Border Forsythia - Goldenbells	73.92	
32 93 33 00-0749	EA	3' Juniperus chinensis - Columnar Chinese Juniper	73.24	
32 93 33 00-0750	EA	4' Juniperus chinensis - Columnar Chinese Juniper	100.53	
32 93 33 00-0751	EA	5' Juniperus chinensis - Columnar Chinese Juniper	157.98	
32 93 33 00-0752	EA	6' Juniperus chinensis - Columnar Chinese Juniper	183.83	
32 93 33 00-0753	EA	7' Juniperus chinensis - Columnar Chinese Juniper	241.27	
32 93 33 00-0754	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	14.36	
32 93 33 00-0755	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	20.11	
32 93 33 00-0756	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	48.69	
32 93 33 00-0757	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	14.36	
32 93 33 00-0758	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	20.11	
32 93 33 00-0759	EA	Belle Poitvine Roses	57.45	
32 93 33 00-0760	EA	3 Gallon Bird Of Paradise	25.85	
32 93 33 00-0761	EA	5 Gallon Bird Of Paradise	40.21	
32 93 33 00-0762	EA	7 Gallon Bird Of Paradise	54.57	
32 93 33 00-0763	EA	10 Gallon Bird Of Paradise	109.15	
32 93 33 00-0764	EA	18" Bonica Roses	66.06	
32 93 33 00-0765	EA	1 Gallon Burmese Grape	11.49	
32 93 33 00-0766	EA	5 Gallon Burmese Grape	31.60	
32 93 33 00-0767	EA	15 Gallon Burmese Grape	117.76	
32 93 33 00-0768	EA	6" To 9" Canby Paxistima	22.98	
32 93 33 00-0769	EA	9" To 12" Canby Paxistima	28.72	
32 93 33 00-0770	EA	12" To 15" Canby Paxistima	37.34	
32 93 33 00-0771	EA	5 Gallon Chastetree	40.21	
32 93 33 00-0772	EA	3' Chinese Lilac	57.45	
32 93 33 00-0773	EA	4' Chinese Lilac	71.81	
32 93 33 00-0774	EA	5' Chinese Lilac	97.66	
32 93 33 00-0775	EA	1 Gallon Christmas Berry	14.36	
32 93 33 00-0776	EA	2 Gallon Christmas Berry	31.60	
32 93 33 00-0777	EA	5 Gallon Christmas Berry	45.96	
32 93 33 00-0778	EA	15 Gallon Christmas Berry	212.55	
32 93 33 00-0779	EA	1 Gallon Concha Wild Lilac	11.49	
32 93 33 00-0780	EA	5 Gallon Concha Wild Lilac	28.72	
32 93 33 00-0781	EA	1 Gallon Flower Carpet Roses	28.72	
32 93 33 00-0782	EA	3 Gallon Flower Carpet Roses	54.57	
32 93 33 00-0783	EA	Goldfinger Potentillas	45.96	
32 93 33 00-0784	EA	Green Mound Alpine Currents	57.45	
32 93 33 00-0785	EA	24" Gro-Low Sumacs	57.45	
32 93 33 00-0786	EA	3 Gallon Heliconia	25.85	
32 93 33 00-0787	EA	1' Ibolium Private	2.87	
32 93 33 00-0788	EA	2' Ibolium Private	11.49	
32 93 33 00-0789	EA	3' Ibolium Private	20.11	
32 93 33 00-0790	EA	5 Gallon Japanese Privit	31.60	
32 93 33 00-0791	EA	24" Spirea - Little Princess	60.32	
32 93 33 00-0792	EA	2' Longstalk Holly	57.45	
32 93 33 00-0793	EA	2-1/2' Longstalk Holly	77.55	
32 93 33 00-0794	EA	3' Longstalk Holly	97.66	
32 93 33 00-0795	EA	3-1/2' Longstalk Holly	109.15	
32 93 33 00-0796	EA	3 Gallon Low Dense Pyracantha	28.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0797	EA	1 Gallon Pacific Wax Myrtle	8.62	
32 93 33 00-0798	EA	5 Gallon Pacific Wax Myrtle	28.72	
32 93 33 00-0799	EA	1 Gallon Red Escallonia	8.62	
32 93 33 00-0800	EA	5 Gallon Red Escallonia	28.72	
32 93 33 00-0801	EA	15 Gallon Red Escallonia	117.76	
32 93 33 00-0802	EA	24" Smooth Hydrangeas	68.94	
32 93 33 00-0803	EA	15" To 18" Somerset Burkwood Daphne	45.96	
32 93 33 00-0804	EA	18" To 24" Somerset Burkwood Daphne	60.32	
32 93 33 00-0805	EA	1 Gallon Spring Bouquet Laurustinis	8.62	
32 93 33 00-0806	EA	5 Gallon Spring Bouquet Laurustinis	31.60	
32 93 33 00-0807	EA	15" To 18" Summersweet	34.47	
32 93 33 00-0808	EA	18" To 24" Summersweet	40.21	
32 93 33 00-0809	EA	2' Sweet Shrubs	45.96	
32 93 33 00-0810	EA	3' Sweet Shrubs	60.32	
32 93 33 00-0811	EA	1 Gallon Variegated Silverberry	8.62	
32 93 33 00-0812	EA	3 Gallon Variegated Silverberry	20.11	
32 93 33 00-0813	EA	15 Gallon Variegated Silverberry	117.76	
32 93 33 00-0814	EA	1 Gallon Variegated Winter Daphne	14.36	
32 93 33 00-0815	EA	5 Gallon Variegated Winter Daphne	45.96	
32 93 33 00-0816	EA	15 Gallon Variegated Winter Daphne	212.55	
32 93 33 00-0817	EA	2' To 3' Virginia Sweetspire	100.53	
32 93 33 00-0818	EA	1 Gallon Warminster Broom	14.36	
32 93 33 00-0819	EA	2 Gallon Warminster Broom	28.72	
32 93 33 00-0820	EA	5 Gallon Warminster Broom	40.21	
32 93 33 00-0821	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	5.62	
32 93 33 00-0822	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	17.29	
32 93 33 00-0823	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	56.18	
32 93 33 00-0824	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	14.41	
32 93 33 00-0825	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	36.02	
32 93 33 00-0826	EA	5 Gallon Senna artemisioides - Feathery Cassia	17.29	
32 93 33 00-0827	EA	15 Gallon Senna artemisioides - Feathery Cassia	68.79	
32 93 33 00-0828	EA	24" Box Senna artemisioides - Feathery Cassia	216.09	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	343.78	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	420.17	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	477.47	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	553.86	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	630.26	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	744.85	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	272.76	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,222.32	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,527.90	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	305.58	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	763.95	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	993.13	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	1,145.92	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,298.71	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,527.90	
32 93 43 00-0017	EA	6' Albizia julibrissin - Silk Tree	722.26	
32 93 43 00-0018	EA	8' Albizia julibrissin - Silk Tree	963.01	
32 93 43 00-0019	EA	10' Albizia julibrissin - Silk Tree	1,203.76	
32 93 43 00-0020	EA	12' Albizia julibrissin - Silk Tree	1,444.51	
32 93 43 00-0021	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	99.91	
32 93 43 00-0022	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	124.88	
32 93 43 00-0023	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	154.85	
32 93 43 00-0024	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	124.88	
32 93 43 00-0025	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	149.86	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	174.84	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	199.81	
32 93 43 00-0028	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	224.79	
32 93 43 00-0029	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	249.77	
32 93 43 00-0030	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	287.23	
32 93 43 00-0031	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	324.69	
32 93 43 00-0032	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	374.65	
32 93 43 00-0033	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	381.97	
32 93 43 00-0034	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	534.76	
32 93 43 00-0035	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	572.96	
32 93 43 00-0036	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	668.45	
32 93 43 00-0037	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	477.47	
32 93 43 00-0038	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	572.96	
32 93 43 00-0039	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	668.45	
32 93 43 00-0040	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	763.95	
32 93 43 00-0041	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	859.44	
32 93 43 00-0042	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	954.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0043	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	287.23	
32 93 43 00-0044	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	337.18	
32 93 43 00-0045	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	387.14	
32 93 43 00-0046	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	424.60	
32 93 43 00-0047	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	99.91	
32 93 43 00-0048	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	212.30	
32 93 43 00-0049	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	274.74	
32 93 43 00-0050	EA	2' To 4' Amelemchier - Juneberry	30.41	
32 93 43 00-0051	EA	4' To 5' Amelemchier - Juneberry	31.90	
32 93 43 00-0052	EA	5' To 6' Amelemchier - Juneberry	37.98	
32 93 43 00-0053	EA	6' To 8' Amelemchier - Juneberry	45.32	
32 93 43 00-0054	EA	15 Gallon Chilopsis linearis - Desert Willow	66.62	
32 93 43 00-0055	EA	24" Box Chilopsis linearis - Desert Willow	214.55	
32 93 43 00-0056	EA	36" Box Chilopsis linearis - Desert Willow	564.62	
32 93 43 00-0057	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	66.62	
32 93 43 00-0058	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	180.68	
32 93 43 00-0059	EA	36" Box Chionanthus retusus - Chinese Fringe Tree	621.08	
32 93 43 00-0060	EA	1-1/2" Caliper Arbutus menziesii - Madrona	523.37	
32 93 43 00-0061	EA	2" Caliper Arbutus menziesii - Madrona	680.39	
32 93 43 00-0062	EA	2-1/2" Caliper Arbutus menziesii - Madrona	785.06	
32 93 43 00-0063	EA	3" Caliper Arbutus menziesii - Madrona	889.74	
32 93 43 00-0064	EA	3-1/2" Caliper Arbutus menziesii - Madrona	1,046.75	
32 93 43 00-0065	EA	1 Gallon Arbutus 'Marina' - Marina Strawberry Tree	7.34	
32 93 43 00-0066	EA	5 Gallon Arbutus 'Marina' - Marina Strawberry Tree	27.67	
32 93 43 00-0067	EA	15 Gallon Arbutus 'Marina' - Marina Strawberry Tree	89.21	
32 93 43 00-0068	EA	24" Box Arbutus 'Marina' - Marina Strawberry Tree	214.55	
32 93 43 00-0069	EA	36" Box Arbutus 'Marina' - Marina Strawberry Tree	690.08	
32 93 43 00-0070	EA	1 Gallon Arbutus unedo - Strawberry Tree	6.78	
32 93 43 00-0071	EA	5 Gallon Arbutus unedo - Strawberry Tree	20.33	
32 93 43 00-0072	EA	15 Gallon Arbutus unedo - Strawberry Tree	89.21	
32 93 43 00-0073	EA	24" Box Arbutus unedo - Strawberry Tree	214.55	
32 93 43 00-0074	EA	36" Box Arbutus unedo - Strawberry Tree	621.08	
32 93 43 00-0075	EA	3' Clump Form Asimina triloba - Paw-Paw	267.38	
32 93 43 00-0076	EA	4' Clump Form Asimina triloba - Paw-Paw	305.58	
32 93 43 00-0077	EA	5' Clump Form Asimina triloba - Paw-Paw	420.17	
32 93 43 00-0078	EA	6' Brachychiton acerifolius - Flame Tree	722.26	
32 93 43 00-0079	EA	8' Brachychiton acerifolius - Flame Tree	963.01	
32 93 43 00-0080	EA	10' Brachychiton acerifolius - Flame Tree	1,203.76	
32 93 43 00-0081	EA	12' Brachychiton acerifolius - Flame Tree	1,444.51	
32 93 43 00-0082	EA	1 Gallon Callistemon salignus - White BottleBrush	3.95	
32 93 43 00-0083	EA	5 Gallon Callistemon salignus - White BottleBrush	11.29	
32 93 43 00-0084	EA	15 Gallon Callistemon salignus - White BottleBrush	44.04	
32 93 43 00-0085	EA	24" Box Callistemon salignus - White BottleBrush	180.68	
32 93 43 00-0086	EA	5 Gallon Calodendrum capense - Cape Chestnut	45.14	
32 93 43 00-0087	EA	15 Gallon Calodendrum capense - Cape Chestnut	180.56	
32 93 43 00-0088	EA	24" Box Calodendrum capense - Cape Chestnut	677.12	
32 93 43 00-0089	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	572.96	
32 93 43 00-0090	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	668.45	
32 93 43 00-0091	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	859.44	
32 93 43 00-0092	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	343.78	
32 93 43 00-0093	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	420.17	
32 93 43 00-0094	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	572.96	
32 93 43 00-0095	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	668.45	
32 93 43 00-0096	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	802.15	
32 93 43 00-0097	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	974.03	
32 93 43 00-0098	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	1,107.72	
32 93 43 00-0099	EA	8' Cassia leptophlia - Gold Medallion Tree	391.22	
32 93 43 00-0100	EA	10' Cassia leptophlia - Gold Medallion Tree	496.55	
32 93 43 00-0101	EA	12' Cassia leptophlia - Gold Medallion Tree	601.88	
32 93 43 00-0102	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	44.16	
32 93 43 00-0103	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	116.42	
32 93 43 00-0104	EA	24" Box Celtis Sinensis - Chinese Hackberry	381.37	
32 93 43 00-0105	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,114.00	
32 93 43 00-0106	EA	15 Gallon Cercis canadensis - American Redbud, Eastern Redbud	89.21	
32 93 43 00-0107	EA	24" Box Cercis canadensis - American Redbud, Eastern Redbud	214.55	
32 93 43 00-0108	EA	36" Box Cercis canadensis - American Redbud, Eastern Redbud	564.62	
32 93 43 00-0109	EA	1 Gallon Cercis occidentalis - Western Redbud	7.34	
32 93 43 00-0110	EA	5 Gallon Cercis occidentalis - Western Redbud	27.67	
32 93 43 00-0111	EA	15 Gallon Cercis occidentalis - Western Redbud	89.21	
32 93 43 00-0112	EA	24" Box Cercis occidentalis - Western Redbud	214.55	
32 93 43 00-0113	EA	36" Box Cercis occidentalis - Western Redbud	621.08	
32 93 43 00-0114	EA	1 Gallon Chitalpa tashkentensis - Chitalpa	5.08	
32 93 43 00-0115	EA	5 Gallon Chitalpa tashkentensis - Chitalpa	15.81	
32 93 43 00-0116	EA	15 Gallon Chitalpa tashkentensis - Chitalpa	55.33	
32 93 43 00-0117	EA	24" Box Chitalpa tashkentensis - Chitalpa	180.68	
32 93 43 00-0118	EA	36" Box Chitalpa tashkentensis - Chitalpa	508.15	
32 93 43 00-0119	EA	5' To 6' Chaenomeles - Orange Quince	120.65	
32 93 43 00-0120	EA	6' To 8' Chaenomeles - Orange Quince	150.81	
32 93 43 00-0121	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	583.82	
32 93 43 00-0122	EA	2" Caliper Chilopsis linearis - Desert Willow	701.19	
32 93 43 00-0123	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	746.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0124	EA	3" Caliper Chilopsis linearis - Desert Willow	827.58	
32 93 43 00-0125	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	30.09	
32 93 43 00-0126	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	120.38	
32 93 43 00-0127	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	601.88	
32 93 43 00-0128	EA	6' Chionanthus virginicus - White Fringe Tree	361.13	
32 93 43 00-0129	EA	8' Chionanthus virginicus - White Fringe Tree	614.98	
32 93 43 00-0130	EA	10' Chionanthus virginicus - White Fringe Tree	856.58	
32 93 43 00-0131	EA	5' Clump Form Chionanthus virginicus - White Fringetree	381.97	
32 93 43 00-0132	EA	6' Clump Form Chionanthus virginicus - White Fringetree	477.47	
32 93 43 00-0133	EA	7' Clump Form Chionanthus virginicus - White Fringetree	611.16	
32 93 43 00-0134	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	137.88	
32 93 43 00-0135	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	172.35	
32 93 43 00-0136	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	241.30	
32 93 43 00-0137	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	310.24	
32 93 43 00-0138	EA	4' To 5' Cornus - White Flowering Dogwood	91.92	
32 93 43 00-0139	EA	5' To 6' Cornus - White Flowering Dogwood	137.88	
32 93 43 00-0140	EA	6' To 7' Cornus - White Flowering Dogwood	193.04	
32 93 43 00-0141	EA	3' To 4' Cornus kousa - Japanese Dogwood	91.92	
32 93 43 00-0142	EA	4' To 5' Cornus kousa - Japanese Dogwood	105.71	
32 93 43 00-0143	EA	5' To 6' Cornus kousa - Japanese Dogwood	137.88	
32 93 43 00-0144	EA	6' To 8' Cornus kousa - Japanese Dogwood	202.23	
32 93 43 00-0145	EA	8' To 10' Cornus kousa - Japanese Dogwood	275.77	
32 93 43 00-0146	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	439.27	
32 93 43 00-0147	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	534.76	
32 93 43 00-0148	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	210.09	
32 93 43 00-0149	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	267.38	
32 93 43 00-0150	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	305.58	
32 93 43 00-0151	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	343.78	
32 93 43 00-0152	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	420.17	
32 93 43 00-0153	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	210.09	
32 93 43 00-0154	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	267.38	
32 93 43 00-0155	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	324.68	
32 93 43 00-0156	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	381.97	
32 93 43 00-0157	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	534.76	
32 93 43 00-0158	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	477.47	
32 93 43 00-0159	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	572.96	
32 93 43 00-0160	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	668.45	
32 93 43 00-0161	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	381.97	
32 93 43 00-0162	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	477.47	
32 93 43 00-0163	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	592.06	
32 93 43 00-0164	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	668.45	
32 93 43 00-0165	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	763.95	
32 93 43 00-0166	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	859.44	
32 93 43 00-0167	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	381.97	
32 93 43 00-0168	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	458.37	
32 93 43 00-0169	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	534.76	
32 93 43 00-0170	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	668.45	
32 93 43 00-0171	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	859.44	
32 93 43 00-0172	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	44.16	
32 93 43 00-0173	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	116.42	
32 93 43 00-0174	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	381.37	
32 93 43 00-0175	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,114.00	
32 93 43 00-0176	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	305.58	
32 93 43 00-0177	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	343.78	
32 93 43 00-0178	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	381.97	
32 93 43 00-0179	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	439.27	
32 93 43 00-0180	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	572.96	
32 93 43 00-0181	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	649.36	
32 93 43 00-0182	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	267.38	
32 93 43 00-0183	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	324.68	
32 93 43 00-0184	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	381.97	
32 93 43 00-0185	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	477.47	
32 93 43 00-0186	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	592.06	
32 93 43 00-0187	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	706.65	
32 93 43 00-0188	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	821.24	
32 93 43 00-0189	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	305.58	
32 93 43 00-0190	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	343.78	
32 93 43 00-0191	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	477.47	
32 93 43 00-0192	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	630.26	
32 93 43 00-0193	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	286.48	
32 93 43 00-0194	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	381.97	
32 93 43 00-0195	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	477.47	
32 93 43 00-0196	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	572.96	
32 93 43 00-0197	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.05	
32 93 43 00-0198	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	36.13	
32 93 43 00-0199	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	158.57	
32 93 43 00-0200	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	381.37	
32 93 43 00-0201	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,003.60	
32 93 43 00-0202	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	98.35	
32 93 43 00-0203	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	321.15	
32 93 43 00-0204	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	853.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0205	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,906.84	
32 93 43 00-0206	EA	15 Gallon Geijera parvifolia - Australian Willow	263.56	
32 93 43 00-0207	EA	24" Box Geijera parvifolia - Australian Willow	542.50	
32 93 43 00-0208	EA	30" Box Geijera parvifolia - Australian Willow	1,010.32	
32 93 43 00-0209	EA	36" Box Geijera parvifolia - Australian Willow	1,449.59	
32 93 43 00-0210	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.10	
32 93 43 00-0211	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	98.35	
32 93 43 00-0212	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	321.15	
32 93 43 00-0213	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	853.06	
32 93 43 00-0214	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,906.84	
32 93 43 00-0215	EA	5 Gallon Ginkgo biloba - Maidenhair Tree or Ginkgo	27.67	
32 93 43 00-0216	EA	15 Gallon Ginkgo biloba - Maidenhair Tree or Ginkgo	89.21	
32 93 43 00-0217	EA	24" Box Ginkgo biloba - Maidenhair Tree or Ginkgo	180.68	
32 93 43 00-0218	EA	36" Box Ginkgo biloba - Maidenhair Tree or Ginkgo	621.08	
32 93 43 00-0219	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	781.90	
32 93 43 00-0220	EA	2" Caliper Ginko Biloba - Maidenhair Tree	1,089.39	
32 93 43 00-0221	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,313.42	
32 93 43 00-0222	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,533.05	
32 93 43 00-0223	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,007.46	
32 93 43 00-0224	EA	4" Caliper Ginko Biloba - Maidenhair Tree	2,143.64	
32 93 43 00-0225	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,284.20	
32 93 43 00-0226	EA	24" Box Ginko Biloba - Maidenhair Tree	713.81	
32 93 43 00-0227	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	190.99	
32 93 43 00-0228	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	248.28	
32 93 43 00-0229	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	305.58	
32 93 43 00-0230	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	420.17	
32 93 43 00-0231	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	572.96	
32 93 43 00-0232	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	10.98	
32 93 43 00-0233	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	35.14	
32 93 43 00-0234	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	60.40	
32 93 43 00-0235	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	115.31	
32 93 43 00-0236	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	153.74	
32 93 43 00-0237	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	197.67	
32 93 43 00-0238	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	361.13	
32 93 43 00-0239	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	586.83	
32 93 43 00-0240	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	722.26	
32 93 43 00-0241	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	797.49	
32 93 43 00-0242	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	352.10	
32 93 43 00-0243	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	812.54	
32 93 43 00-0244	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,271.47	
32 93 43 00-0245	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	328.02	
32 93 43 00-0246	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	532.66	
32 93 43 00-0247	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	737.30	
32 93 43 00-0248	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	281.13	
32 93 43 00-0249	EA	6' Lagerstroemia indica - Crape Myrtle	522.73	
32 93 43 00-0250	EA	8' Lagerstroemia indica - Crape Myrtle	540.30	
32 93 43 00-0251	EA	10' Lagerstroemia indica - Crape Myrtle	654.51	
32 93 43 00-0252	EA	24" Box Lagerstroemia indica - Crape Myrtle	513.95	
32 93 43 00-0253	EA	1 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	11.18	
32 93 43 00-0254	EA	5 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	27.67	
32 93 43 00-0255	EA	15 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	89.21	
32 93 43 00-0256	EA	1 Gallon Jacaranda mimosifolia - Jacaranda	7.34	
32 93 43 00-0257	EA	5 Gallon Jacaranda mimosifolia - Jacaranda	20.33	
32 93 43 00-0258	EA	15 Gallon Jacaranda mimosifolia - Jacaranda	55.33	
32 93 43 00-0259	EA	24" Box Jacaranda mimosifolia - Jacaranda	180.68	
32 93 43 00-0260	EA	36" Box Jacaranda mimosifolia - Jacaranda	508.15	
32 93 43 00-0261	EA	1 Gallon Koelreuteria bipinnata - Chinese Flame Tree	7.34	
32 93 43 00-0262	EA	5 Gallon Koelreuteria bipinnata - Chinese Flame Tree	20.33	
32 93 43 00-0263	EA	15 Gallon Koelreuteria bipinnata - Chinese Flame Tree	66.62	
32 93 43 00-0264	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.10	
32 93 43 00-0265	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	118.42	
32 93 43 00-0266	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	321.15	
32 93 43 00-0267	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	903.24	
32 93 43 00-0268	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,308.28	
32 93 43 00-0269	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	28.10	
32 93 43 00-0270	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	118.42	
32 93 43 00-0271	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	321.15	
32 93 43 00-0272	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	903.24	
32 93 43 00-0273	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,308.28	
32 93 43 00-0274	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	28.10	
32 93 43 00-0275	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	118.42	
32 93 43 00-0276	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	321.15	
32 93 43 00-0277	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	903.24	
32 93 43 00-0278	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,308.28	
32 93 43 00-0279	EA	15 Gallon Macadamia integrifolia - Smoothshell macadamia	169.38	
32 93 43 00-0280	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	72.39	
32 93 43 00-0281	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	108.58	
32 93 43 00-0282	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	135.73	
32 93 43 00-0283	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	169.05	
32 93 43 00-0284	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	286.48	
32 93 43 00-0285	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	381.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0286	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	496.57	
32 93 43 00-0287	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	553.86	
32 93 43 00-0288	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	744.85	
32 93 43 00-0289	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	668.45	
32 93 43 00-0290	EA	6' Magnolia grandiflora 'St. Mary's'	451.41	
32 93 43 00-0291	EA	8' Magnolia grandiflora 'St. Mary's'	797.49	
32 93 43 00-0292	EA	10' Magnolia grandiflora 'St. Mary's'	1,002.13	
32 93 43 00-0293	EA	12' Magnolia grandiflora 'St. Mary's'	1,203.76	
32 93 43 00-0294	EA	14' Magnolia grandiflora 'St. Mary's'	1,399.37	
32 93 43 00-0295	EA	16' Magnolia grandiflora 'St. Mary's'	1,655.17	
32 93 43 00-0296	EA	24" Box Magnolia grandiflora 'St. Mary's'	496.55	
32 93 43 00-0297	EA	6' Magnolia grandiflora - Southern Magnolia	222.70	
32 93 43 00-0298	EA	7' Magnolia grandiflora - Southern Magnolia	337.05	
32 93 43 00-0299	EA	8' Magnolia grandiflora - Southern Magnolia	472.48	
32 93 43 00-0300	EA	9' Magnolia grandiflora - Southern Magnolia	628.96	
32 93 43 00-0301	EA	10' Magnolia grandiflora - Southern Magnolia	956.99	
32 93 43 00-0302	EA	24" Box Magnolia grandiflora - Southern Magnolia	391.22	
32 93 43 00-0303	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	286.48	
32 93 43 00-0304	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	381.97	
32 93 43 00-0305	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	496.57	
32 93 43 00-0306	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	553.86	
32 93 43 00-0307	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	668.45	
32 93 43 00-0308	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	744.85	
32 93 43 00-0309	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	286.48	
32 93 43 00-0310	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	381.97	
32 93 43 00-0311	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	496.57	
32 93 43 00-0312	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	553.86	
32 93 43 00-0313	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	668.45	
32 93 43 00-0314	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	744.85	
32 93 43 00-0315	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	286.48	
32 93 43 00-0316	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	381.97	
32 93 43 00-0317	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	496.57	
32 93 43 00-0318	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	553.86	
32 93 43 00-0319	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	668.45	
32 93 43 00-0320	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	744.85	
32 93 43 00-0321	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	286.48	
32 93 43 00-0322	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	381.97	
32 93 43 00-0323	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	496.57	
32 93 43 00-0324	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	553.86	
32 93 43 00-0325	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	668.45	
32 93 43 00-0326	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	744.85	
32 93 43 00-0327	EA	5 Gallon Malus - Crabapple	77.56	
32 93 43 00-0328	EA	15 Gallon Malus - Crabapple	197.78	
32 93 43 00-0329	EA	20 Gallon Malus - Crabapple	232.68	
32 93 43 00-0330	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	229.18	
32 93 43 00-0331	EA	2" Caliper Malus cvs - Crabapple Varieties	305.58	
32 93 43 00-0332	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	381.97	
32 93 43 00-0333	EA	3" Caliper Malus cvs - Crabapple Varieties	458.37	
32 93 43 00-0334	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	534.76	
32 93 43 00-0335	EA	4" Caliper Malus cvs - Crabapple Varieties	611.16	
32 93 43 00-0336	EA	6' Clump Form Malus cvs - Crabapple Varieties	343.78	
32 93 43 00-0337	EA	7' Clump Form Malus cvs - Crabapple Varieties	381.97	
32 93 43 00-0338	EA	8' Clump Form Malus cvs - Crabapple Varieties	477.47	
32 93 43 00-0339	EA	10' Clump Form Malus cvs - Crabapple Varieties	534.76	
32 93 43 00-0340	EA	12' Clump Form Malus cvs - Crabapple Varieties	687.55	
32 93 43 00-0341	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	381.97	
32 93 43 00-0342	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	477.47	
32 93 43 00-0343	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	286.48	
32 93 43 00-0344	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	362.88	
32 93 43 00-0345	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	439.27	
32 93 43 00-0346	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	496.57	
32 93 43 00-0347	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	553.86	
32 93 43 00-0348	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	611.16	
32 93 43 00-0349	EA	1 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush	6.49	
32 93 43 00-0350	EA	5 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush	31.05	
32 93 43 00-0351	EA	15 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush	53.64	
32 93 43 00-0352	EA	15 Gallon Melia azedarach - China Berry	64.35	
32 93 43 00-0353	EA	24" Box Melia azedarach - China Berry	212.28	
32 93 43 00-0354	EA	4' To 5' Oxydendrum arboreum - Sourwood	175.23	
32 93 43 00-0355	EA	5' To 6' Oxydendrum arboreum - Sourwood	219.04	
32 93 43 00-0356	EA	6' To 7' Oxydendrum arboreum - Sourwood	262.84	
32 93 43 00-0357	EA	7' To 8' Oxydendrum arboreum - Sourwood	306.65	
32 93 43 00-0358	EA	1 Gallon Pittosporum undulatum - Victorian Box	11.15	
32 93 43 00-0359	EA	5 Gallon Pittosporum undulatum - Victorian Box	24.01	
32 93 43 00-0360	EA	15 Gallon Pittosporum undulatum - Victorian Box	135.48	
32 93 43 00-0361	EA	24" Box Pittosporum undulatum - Victorian Box	325.85	
32 93 43 00-0362	EA	36" Box Pittosporum undulatum - Victorian Box	943.25	
32 93 43 00-0363	EA	48" Box Pittosporum undulatum - Victorian Box	2,143.75	
32 93 43 00-0364	EA	5 Gallon Platanus Racemosa - California Sycamore	20.33	
32 93 43 00-0365	EA	15 Gallon Platanus Racemosa - California Sycamore	55.33	
32 93 43 00-0366	EA	24" Box Platanus Racemosa - California Sycamore	180.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0367	EA	36" Box Platanus Racemosa - California Sycamore	508.15	
32 93 43 00-0368	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.52	
32 93 43 00-0369	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	27.59	
32 93 43 00-0370	EA	20 Gallon Prunus subhirtella - Flowering Cherry	376.75	
32 93 43 00-0371	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	389.45	
32 93 43 00-0372	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	486.76	
32 93 43 00-0373	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,015.82	
32 93 43 00-0374	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	782.92	
32 93 43 00-0375	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,523.74	
32 93 43 00-0376	EA	4' To 6' Prunus - Pigeon Plum	154.04	
32 93 43 00-0377	EA	8' To 10' Prunus - Pigeon Plum	523.75	
32 93 43 00-0378	EA	10' To 12' Prunus - Pigeon Plum	665.47	
32 93 43 00-0379	EA	14' To 16' Prunus - Pigeon Plum	1,047.51	
32 93 43 00-0380	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	97.31	
32 93 43 00-0381	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	266.55	
32 93 43 00-0382	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	347.14	
32 93 43 00-0383	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	110.00	
32 93 43 00-0384	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	211.55	
32 93 43 00-0385	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	389.45	
32 93 43 00-0386	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	465.60	
32 93 43 00-0387	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	304.83	
32 93 43 00-0388	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	253.86	
32 93 43 00-0389	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	372.32	
32 93 43 00-0390	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	444.45	
32 93 43 00-0391	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	571.38	
32 93 43 00-0392	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	220.21	
32 93 43 00-0393	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	338.68	
32 93 43 00-0394	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	414.63	
32 93 43 00-0395	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	529.07	
32 93 43 00-0396	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	294.15	
32 93 43 00-0397	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	367.69	
32 93 43 00-0398	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	382.39	
32 93 43 00-0399	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	455.93	
32 93 43 00-0400	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	617.71	
32 93 43 00-0401	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	808.91	
32 93 43 00-0402	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,029.52	
32 93 43 00-0403	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	294.15	
32 93 43 00-0404	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	367.69	
32 93 43 00-0405	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	250.03	
32 93 43 00-0406	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	382.39	
32 93 43 00-0407	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	455.53	
32 93 43 00-0408	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	617.71	
32 93 43 00-0409	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	808.91	
32 93 43 00-0410	EA	5 Gallon Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	25.09	
32 93 43 00-0411	EA	15 Gallon Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	65.24	
32 93 43 00-0412	EA	24" Box Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	225.85	
32 93 43 00-0413	EA	36" Box Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	602.26	
32 93 43 00-0414	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	535.81	
32 93 43 00-0415	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	669.76	
32 93 43 00-0416	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	830.50	
32 93 43 00-0417	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	937.67	
32 93 43 00-0418	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,044.83	
32 93 43 00-0419	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,339.52	
32 93 43 00-0420	EA	5 Gallon Quercus kelloggii - California Black Oak	50.82	
32 93 43 00-0421	EA	15 Gallon Quercus kelloggii - California Black Oak	90.34	
32 93 43 00-0422	EA	1 Gallon Quercus lobata - Valley Oak	10.15	
32 93 43 00-0423	EA	5 Gallon Quercus lobata - Valley Oak	30.48	
32 93 43 00-0424	EA	15 Gallon Quercus lobata - Valley Oak	91.46	
32 93 43 00-0425	EA	1 Gallon Ribes aureum - Golden Current	5.70	
32 93 43 00-0426	EA	5 Gallon Ribes aureum - Golden Current	16.30	
32 93 43 00-0427	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.70	
32 93 43 00-0428	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	16.30	
32 93 43 00-0429	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	5.70	
32 93 43 00-0430	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	16.30	
32 93 43 00-0431	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	510.68	
32 93 43 00-0432	EA	2" Caliper Sophora japonica - Japanese Pagoda	574.51	
32 93 43 00-0433	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	670.26	
32 93 43 00-0434	EA	3" Caliper Sophora japonica - Japanese Pagoda	980.32	
32 93 43 00-0435	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,481.88	
32 93 43 00-0436	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	381.97	
32 93 43 00-0437	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	477.47	
32 93 43 00-0438	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	592.06	
32 93 43 00-0439	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	725.75	
32 93 43 00-0440	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	878.54	
32 93 43 00-0441	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	1,050.43	
32 93 43 00-0442	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	496.57	
32 93 43 00-0443	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	534.76	
32 93 43 00-0444	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	649.36	
32 93 43 00-0445	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	305.58	
32 93 43 00-0446	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	362.88	
32 93 43 00-0447	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	420.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0448	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	477.47	
32 93 43 00-0449	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	553.86	
32 93 43 00-0450	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	706.65	
32 93 43 00-0451	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	802.15	
32 93 43 00-0452	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	916.74	
32 93 43 00-0453	EA	6' Prunus cerasifera - Purple Leaf Plum	234.73	
32 93 43 00-0454	EA	8' Prunus cerasifera - Purple Leaf Plum	270.85	
32 93 43 00-0455	EA	10' Prunus cerasifera - Purple Leaf Plum	349.09	
32 93 43 00-0456	EA	24" Box Prunus cerasifera - Purple Leaf Plum	371.66	
32 93 43 00-0457	EA	30" Box Prunus cerasifera - Purple Leaf Plum	752.35	
32 93 43 00-0458	EA	36" Box Prunus cerasifera - Purple Leaf Plum	1,154.10	
32 93 43 00-0459	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	490.53	
32 93 43 00-0460	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	701.19	
32 93 43 00-0461	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	839.62	
32 93 43 00-0462	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	1,083.38	
32 93 43 00-0463	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	966.39	
32 93 43 00-0464	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	263.56	
32 93 43 00-0465	EA	6' Stenocarpus sinuatus - Firewheel Tree	722.26	
32 93 43 00-0466	EA	8' Stenocarpus sinuatus - Firewheel Tree	963.01	
32 93 43 00-0467	EA	10" Stenocarpus sinuatus - Firewheel Tree	1,203.76	
32 93 43 00-0468	EA	12' Stenocarpus sinuatus - Firewheel Tree	1,444.51	
32 93 43 00-0469	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	325.85	
32 93 43 00-0470	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	943.25	
32 93 43 00-0471	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	653.04	
32 93 43 00-0472	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	466.46	
32 93 43 00-0473	EA	2" Caliper Tipuana tipu - Tipu Tree	607.90	
32 93 43 00-0474	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	770.41	
32 93 43 00-0475	EA	3" Caliper Tipuana tipu - Tipu Tree	887.77	
32 93 43 00-0476	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,306.08	
32 93 43 00-0477	EA	4" Caliper Tipuana tipu - Tipu Tree	1,745.45	
32 93 43 00-0478	EA	1 Gallon Tipuana tipu - Tipu Tree	7.34	
32 93 43 00-0479	EA	5 Gallon Tipuana tipu - Tipu Tree	20.33	
32 93 43 00-0480	EA	15 Gallon Tipuana tipu - Tipu Tree	66.62	
32 93 43 00-0481	EA	24" Box Tipuana tipu - Tipu Tree	352.10	

32 93 43 00-0482 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0483	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	233.37	
32 93 43 00-0484	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	286.07	
32 93 43 00-0485	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	372.65	
32 93 43 00-0486	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	483.06	
32 93 43 00-0487	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	24.62	
32 93 43 00-0488	EA	4' To 5' Acer palmatum - Japanese Maple	51.69	
32 93 43 00-0489	EA	5' To 6' Acer palmatum - Japanese Maple	67.69	
32 93 43 00-0490	EA	6' To 7' Acer palmatum - Japanese Maple	123.07	
32 93 43 00-0491	EA	7' To 8' Acer palmatum - Japanese Maple	172.30	
32 93 43 00-0492	EA	8' To 10' Acer palmatum - Japanese Maple	221.53	
32 93 43 00-0493	EA	10' To 12' Acer palmatum - Japanese Maple	295.38	
32 93 43 00-0494	EA	2" Caliper Acer platanoides & cvs - Norway Maple	125.47	
32 93 43 00-0495	EA	2" Caliper Acer platanoides & cvs - Norway Maple	152.75	
32 93 43 00-0496	EA	3" Caliper Acer platanoides & cvs - Norway Maple	196.39	
32 93 43 00-0497	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	229.12	
32 93 43 00-0498	EA	4" Caliper Acer platanoides & cvs - Norway Maple	245.48	
32 93 43 00-0499	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	267.31	
32 93 43 00-0500	EA	5" Caliper Acer platanoides & cvs - Norway Maple	300.04	
32 93 43 00-0501	EA	2" Caliper Acer rubrum & cvs - Red Maple	120.01	
32 93 43 00-0502	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	152.75	
32 93 43 00-0503	EA	3" Caliper Acer rubrum & cvs - Red Maple	196.39	
32 93 43 00-0504	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	240.03	
32 93 43 00-0505	EA	4" Caliper Acer rubrum & cvs - Red Maple	272.76	
32 93 43 00-0506	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	316.40	
32 93 43 00-0507	EA	5" Caliper Acer rubrum & cvs - Red Maple	354.59	
32 93 43 00-0508	EA	8' Clump Form Acer rubrum & cvs - Red Maple	147.29	
32 93 43 00-0509	EA	10' Clump Form Acer rubrum & cvs - Red Maple	196.39	
32 93 43 00-0510	EA	12' Clump Form Acer rubrum & cvs - Red Maple	229.12	
32 93 43 00-0511	EA	14' Clump Form Acer rubrum & cvs - Red Maple	261.85	
32 93 43 00-0512	EA	16' Clump Form Acer rubrum & cvs - Red Maple	294.58	
32 93 43 00-0513	EA	18' Clump Form Acer rubrum & cvs - Red Maple	327.31	
32 93 43 00-0514	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	98.19	
32 93 43 00-0515	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	130.93	
32 93 43 00-0516	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	163.66	
32 93 43 00-0517	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	196.39	
32 93 43 00-0518	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	229.12	
32 93 43 00-0519	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	261.85	
32 93 43 00-0520	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	294.58	
32 93 43 00-0521	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	120.01	
32 93 43 00-0522	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	158.20	
32 93 43 00-0523	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	190.93	
32 93 43 00-0524	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	218.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0525	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	256.40	
32 93 43 00-0526	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	294.58	
32 93 43 00-0527	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	327.31	
32 93 43 00-0528	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	218.21	
32 93 43 00-0529	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	256.40	
32 93 43 00-0530	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	300.04	
32 93 43 00-0531	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	332.77	
32 93 43 00-0532	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	403.69	
32 93 43 00-0533	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	436.42	
32 93 43 00-0534	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	136.38	
32 93 43 00-0535	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	169.11	
32 93 43 00-0536	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	207.30	
32 93 43 00-0537	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	240.03	
32 93 43 00-0538	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	261.85	
32 93 43 00-0539	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	289.13	
32 93 43 00-0540	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	321.86	
32 93 43 00-0541	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	196.39	
32 93 43 00-0542	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	259.67	
32 93 43 00-0543	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	302.22	
32 93 43 00-0544	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	332.77	
32 93 43 00-0545	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	403.69	
32 93 43 00-0546	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	436.42	
32 93 43 00-0547	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	190.93	
32 93 43 00-0548	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	212.75	
32 93 43 00-0549	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	240.03	
32 93 43 00-0550	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	272.76	
32 93 43 00-0551	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	327.31	
32 93 43 00-0552	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	190.93	
32 93 43 00-0553	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	212.75	
32 93 43 00-0554	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	240.03	
32 93 43 00-0555	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	272.76	
32 93 43 00-0556	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	327.31	
32 93 43 00-0557	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	136.38	
32 93 43 00-0558	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	158.20	
32 93 43 00-0559	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	180.02	
32 93 43 00-0560	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	207.30	
32 93 43 00-0561	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	141.84	
32 93 43 00-0562	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	174.57	
32 93 43 00-0563	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	196.39	
32 93 43 00-0564	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	218.21	
32 93 43 00-0565	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	245.48	
32 93 43 00-0566	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	272.76	
32 93 43 00-0567	EA	2" Caliper Betula nigra - River Birch	136.38	
32 93 43 00-0568	EA	2-1/2" Caliper Betula nigra - River Birch	154.44	
32 93 43 00-0569	EA	3" Caliper Betula nigra - River Birch	174.57	
32 93 43 00-0570	EA	3-1/2" Caliper Betula nigra - River Birch	218.21	
32 93 43 00-0571	EA	4" Caliper Betula nigra - River Birch	245.48	
32 93 43 00-0572	EA	4-1/2" Caliper Betula nigra - River Birch	272.76	
32 93 43 00-0573	EA	5" Caliper Betula nigra - River Birch	300.04	
32 93 43 00-0574	EA	8' Clump Form Betula nigra - River Birch	125.47	
32 93 43 00-0575	EA	10' Clump Form Betula nigra - River Birch	141.84	
32 93 43 00-0576	EA	12' Clump Form Betula nigra - River Birch	163.66	
32 93 43 00-0577	EA	14' Clump Form Betula nigra - River Birch	190.93	
32 93 43 00-0578	EA	16' Clump Form Betula nigra - River Birch	218.21	
32 93 43 00-0579	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	163.66	
32 93 43 00-0580	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	196.39	
32 93 43 00-0581	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	229.12	
32 93 43 00-0582	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	272.76	
32 93 43 00-0583	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	283.67	
32 93 43 00-0584	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	218.21	
32 93 43 00-0585	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	245.48	
32 93 43 00-0586	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	283.67	
32 93 43 00-0587	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	343.68	
32 93 43 00-0588	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	98.19	
32 93 43 00-0589	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	136.38	
32 93 43 00-0590	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	169.11	
32 93 43 00-0591	EA	2" Caliper Catalpa speciosa - Western Catalpa	120.01	
32 93 43 00-0592	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	163.66	
32 93 43 00-0593	EA	3" Caliper Catalpa speciosa - Western Catalpa	212.75	
32 93 43 00-0594	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	256.40	
32 93 43 00-0595	EA	4" Caliper Catalpa speciosa - Western Catalpa	294.58	
32 93 43 00-0596	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	152.75	
32 93 43 00-0597	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	174.57	
32 93 43 00-0598	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	212.75	
32 93 43 00-0599	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	250.94	
32 93 43 00-0600	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	289.13	
32 93 43 00-0601	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	327.31	
32 93 43 00-0602	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	190.93	
32 93 43 00-0603	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	218.21	
32 93 43 00-0604	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	256.40	
32 93 43 00-0605	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	305.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0606	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	152.75	
32 93 43 00-0607	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	180.02	
32 93 43 00-0608	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	218.21	
32 93 43 00-0609	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	272.76	
32 93 43 00-0610	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	327.31	
32 93 43 00-0611	EA	2" Caliper Cladrastus lutea - American Yellowwood	272.76	
32 93 43 00-0612	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	327.31	
32 93 43 00-0613	EA	3" Caliper Cladrastus lutea - American Yellowwood	381.87	
32 93 43 00-0614	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	436.42	
32 93 43 00-0615	EA	2" Caliper Corylus colurna - Turkish Filbert	169.11	
32 93 43 00-0616	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	190.93	
32 93 43 00-0617	EA	3" Caliper Corylus colurna - Turkish Filbert	218.21	
32 93 43 00-0618	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	250.94	
32 93 43 00-0619	EA	4" Caliper Corylus colurna - Turkish Filbert	300.04	
32 93 43 00-0620	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	349.13	
32 93 43 00-0621	EA	5" Caliper Corylus colurna - Turkish Filbert	398.23	
32 93 43 00-0622	EA	8' Clump Form Corylus colurna - Turkish Filbert	152.75	
32 93 43 00-0623	EA	10' Clump Form Corylus colurna - Turkish Filbert	185.48	
32 93 43 00-0624	EA	12' Clump Form Corylus colurna - Turkish Filbert	218.21	
32 93 43 00-0625	EA	14' Clump Form Corylus colurna - Turkish Filbert	245.48	
32 93 43 00-0626	EA	16' Clump Form Corylus colurna - Turkish Filbert	272.76	
32 93 43 00-0627	EA	1-1/2" Caliper Diospyros - Persimmon	98.19	
32 93 43 00-0628	EA	2" Caliper Diospyros - Persimmon	120.01	
32 93 43 00-0629	EA	2-1/2" Caliper Diospyros - Persimmon	152.75	
32 93 43 00-0630	EA	3" Caliper Diospyros - Persimmon	190.93	
32 93 43 00-0631	EA	3-1/2" Caliper Diospyros - Persimmon	229.12	
32 93 43 00-0632	EA	1-1/2" Caliper Fagus grandifolia - American Beech	218.21	
32 93 43 00-0633	EA	2" Caliper Fagus grandifolia - American Beech	283.67	
32 93 43 00-0634	EA	2-1/2" Caliper Fagus grandifolia - American Beech	360.04	
32 93 43 00-0635	EA	3" Caliper Fagus grandifolia - American Beech	436.42	
32 93 43 00-0636	EA	3-1/2" Caliper Fagus grandifolia - American Beech	518.25	
32 93 43 00-0637	EA	2" Caliper Fagus sylvatica & cvs - European Beech	245.48	
32 93 43 00-0638	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	294.58	
32 93 43 00-0639	EA	3" Caliper Fagus sylvatica & cvs - European Beech	354.59	
32 93 43 00-0640	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	392.78	
32 93 43 00-0641	EA	4" Caliper Fagus sylvatica & cvs - European Beech	463.69	
32 93 43 00-0642	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	600.07	
32 93 43 00-0643	EA	5" Caliper Fagus sylvatica & cvs - European Beech	709.18	
32 93 43 00-0644	EA	2" Caliper Fraxinus americana & cvs - White Ash	136.38	
32 93 43 00-0645	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	163.66	
32 93 43 00-0646	EA	3" Caliper Fraxinus americana & cvs - White Ash	207.30	
32 93 43 00-0647	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	250.94	
32 93 43 00-0648	EA	4" Caliper Fraxinus americana & cvs - White Ash	294.58	
32 93 43 00-0649	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	327.31	
32 93 43 00-0650	EA	5" Caliper Fraxinus americana & cvs - White Ash	381.87	
32 93 43 00-0651	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	120.01	
32 93 43 00-0652	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	141.84	
32 93 43 00-0653	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	190.93	
32 93 43 00-0654	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	229.12	
32 93 43 00-0655	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	272.76	
32 93 43 00-0656	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	294.58	
32 93 43 00-0657	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	327.31	
32 93 43 00-0658	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	163.66	
32 93 43 00-0659	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	201.84	
32 93 43 00-0660	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	245.48	
32 93 43 00-0661	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	300.04	
32 93 43 00-0662	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	354.59	
32 93 43 00-0663	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	190.93	
32 93 43 00-0664	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	212.75	
32 93 43 00-0665	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	240.03	
32 93 43 00-0666	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	267.31	
32 93 43 00-0667	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.04	
32 93 43 00-0668	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	327.31	
32 93 43 00-0669	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	490.97	
32 93 43 00-0670	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	545.52	
32 93 43 00-0671	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	130.93	
32 93 43 00-0672	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	163.66	
32 93 43 00-0673	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	196.39	
32 93 43 00-0674	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	229.12	
32 93 43 00-0675	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	261.85	
32 93 43 00-0676	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	294.58	
32 93 43 00-0677	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	349.13	
32 93 43 00-0678	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	69.01	
32 93 43 00-0679	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	81.56	
32 93 43 00-0680	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	112.92	
32 93 43 00-0681	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	146.80	
32 93 43 00-0682	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	163.11	
32 93 43 00-0683	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	193.22	
32 93 43 00-0684	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	169.11	
32 93 43 00-0685	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	207.30	
32 93 43 00-0686	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	245.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0687	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	289.13	
32 93 43 00-0688	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	327.31	
32 93 43 00-0689	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	365.50	
32 93 43 00-0690	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	409.14	
32 93 43 00-0691	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	84.43	
32 93 43 00-0692	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	103.42	
32 93 43 00-0693	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	131.03	
32 93 43 00-0694	EA	1-1/2" Caliper Juglans cinerea - Butternut	130.93	
32 93 43 00-0695	EA	2" Caliper Juglans cinerea - Butternut	152.75	
32 93 43 00-0696	EA	2-1/2" Caliper Juglans cinerea - Butternut	190.93	
32 93 43 00-0697	EA	3" Caliper Juglans cinerea - Butternut	240.03	
32 93 43 00-0698	EA	3-1/2" Caliper Juglans cinerea - Butternut	294.58	
32 93 43 00-0699	EA	1-1/2" Caliper Juglans californica - California Walnut	130.93	
32 93 43 00-0700	EA	2" Caliper Juglans californica - California Walnut	152.75	
32 93 43 00-0701	EA	2-1/2" Caliper Juglans californica - California Walnut	190.93	
32 93 43 00-0702	EA	3" Caliper Juglans californica - California Walnut	240.03	
32 93 43 00-0703	EA	3-1/2" Caliper Juglans californica - California Walnut	294.58	
32 93 43 00-0704	EA	4" Caliper Juglans californica - California Walnut	354.59	
32 93 43 00-0705	EA	4-1/2" Caliper Juglans californica - California Walnut	409.14	
32 93 43 00-0706	EA	5" Caliper Juglans californica - California Walnut	463.69	
32 93 43 00-0707	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	14.77	
32 93 43 00-0708	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	36.92	
32 93 43 00-0709	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	73.84	
32 93 43 00-0710	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	96.00	
32 93 43 00-0711	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	70.15	
32 93 43 00-0712	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	84.92	
32 93 43 00-0713	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	118.15	
32 93 43 00-0714	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	174.57	
32 93 43 00-0715	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	218.21	
32 93 43 00-0716	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	272.76	
32 93 43 00-0717	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	327.31	
32 93 43 00-0718	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	381.87	
32 93 43 00-0719	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	174.57	
32 93 43 00-0720	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	240.03	
32 93 43 00-0721	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	283.67	
32 93 43 00-0722	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	327.31	
32 93 43 00-0723	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	370.95	
32 93 43 00-0724	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	130.93	
32 93 43 00-0725	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	234.57	
32 93 43 00-0726	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	283.67	
32 93 43 00-0727	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	174.57	
32 93 43 00-0728	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.21	
32 93 43 00-0729	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	272.76	
32 93 43 00-0730	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	327.31	
32 93 43 00-0731	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	381.87	
32 93 43 00-0732	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	76.37	
32 93 43 00-0733	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	87.28	
32 93 43 00-0734	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	103.65	
32 93 43 00-0735	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	130.93	
32 93 43 00-0736	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.66	
32 93 43 00-0737	EA	2" Caliper Ostrya virginiana - American Hophornbeam	141.84	
32 93 43 00-0738	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	180.02	
32 93 43 00-0739	EA	3" Caliper Ostrya virginiana - American Hophornbeam	218.21	
32 93 43 00-0740	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	256.40	
32 93 43 00-0741	EA	4" Caliper Ostrya virginiana - American Hophornbeam	310.95	
32 93 43 00-0742	EA	2" Caliper Phellodendron amurense - Amur Corktree	109.10	
32 93 43 00-0743	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	136.38	
32 93 43 00-0744	EA	3" Caliper Phellodendron amurense - Amur Corktree	163.66	
32 93 43 00-0745	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	190.93	
32 93 43 00-0746	EA	4" Caliper Phellodendron amurense - Amur Corktree	218.21	
32 93 43 00-0747	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	245.48	
32 93 43 00-0748	EA	5" Caliper Phellodendron amurense - Amur Corktree	272.76	
32 93 43 00-0749	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	408.52	
32 93 43 00-0750	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	729.19	
32 93 43 00-0751	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,067.43	
32 93 43 00-0752	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,326.60	
32 93 43 00-0753	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,717.55	
32 93 43 00-0754	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,954.75	
32 93 43 00-0755	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	513.95	
32 93 43 00-0756	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	237.00	
32 93 43 00-0757	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	344.73	
32 93 43 00-0758	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	512.81	
32 93 43 00-0759	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	79.30	
32 93 43 00-0760	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	94.81	
32 93 43 00-0761	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	129.27	
32 93 43 00-0762	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	156.88	
32 93 43 00-0763	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	65.24	
32 93 43 00-0764	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	81.56	
32 93 43 00-0765	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	144.29	
32 93 43 00-0766	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	207.03	
32 93 43 00-0767	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	130.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0768	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	158.20	
32 93 43 00-0769	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	190.93	
32 93 43 00-0770	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	229.12	
32 93 43 00-0771	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	272.76	
32 93 43 00-0772	EA	2" Caliper Populus alba & cvs - White Poplar	130.93	
32 93 43 00-0773	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	152.75	
32 93 43 00-0774	EA	3" Caliper Populus alba & cvs - White Poplar	174.57	
32 93 43 00-0775	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	207.30	
32 93 43 00-0776	EA	4" Caliper Populus alba & cvs - White Poplar	229.12	
32 93 43 00-0777	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	261.85	
32 93 43 00-0778	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	120.01	
32 93 43 00-0779	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	158.20	
32 93 43 00-0780	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	190.93	
32 93 43 00-0781	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	229.12	
32 93 43 00-0782	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	272.76	
32 93 43 00-0783	EA	1 Gallon Quercus agrifolia - Coast Live Oak	11.18	
32 93 43 00-0784	EA	5 Gallon Quercus agrifolia - Coast Live Oak	27.67	
32 93 43 00-0785	EA	15 Gallon Quercus agrifolia - Coast Live Oak	89.21	
32 93 43 00-0786	EA	24" Box Quercus agrifolia - Coast Live Oak	271.02	
32 93 43 00-0787	EA	6' To 8' Quercus acutissima - Sawtooth Oak	41.02	
32 93 43 00-0788	EA	8' To 10' Quercus acutissima - Sawtooth Oak	61.54	
32 93 43 00-0789	EA	10' To 12' Quercus acutissima - Sawtooth Oak	71.79	
32 93 43 00-0790	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	82.05	
32 93 43 00-0791	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	92.31	
32 93 43 00-0792	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	324.92	
32 93 43 00-0793	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	437.89	
32 93 43 00-0794	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	592.22	
32 93 43 00-0795	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	790.46	
32 93 43 00-0796	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	953.57	
32 93 43 00-0797	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,053.95	
32 93 43 00-0798	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,417.81	
32 93 43 00-0799	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,781.67	
32 93 43 00-0800	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,145.54	
32 93 43 00-0801	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,603.50	
32 93 43 00-0802	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,061.47	
32 93 43 00-0803	EA	2" Caliper Quercus alba - White Oak	163.66	
32 93 43 00-0804	EA	2-1/2" Caliper Quercus alba - White Oak	190.93	
32 93 43 00-0805	EA	3" Caliper Quercus alba - White Oak	240.03	
32 93 43 00-0806	EA	3-1/2" Caliper Quercus alba - White Oak	300.04	
32 93 43 00-0807	EA	4" Caliper Quercus alba - White Oak	354.59	
32 93 43 00-0808	EA	4-1/2" Caliper Quercus alba - White Oak	436.42	
32 93 43 00-0809	EA	5" Caliper Quercus alba - White Oak	518.25	
32 93 43 00-0810	EA	2" Caliper Quercus bicolor - Swamp White Oak	190.93	
32 93 43 00-0811	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	218.21	
32 93 43 00-0812	EA	3" Caliper Quercus bicolor - Swamp White Oak	250.94	
32 93 43 00-0813	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	278.22	
32 93 43 00-0814	EA	4" Caliper Quercus bicolor - Swamp White Oak	316.40	
32 93 43 00-0815	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	349.13	
32 93 43 00-0816	EA	5" Caliper Quercus bicolor - Swamp White Oak	392.78	
32 93 43 00-0817	EA	10' Clump Form Quercus bicolor - Swamp White Oak	272.76	
32 93 43 00-0818	EA	12' Clump Form Quercus bicolor - Swamp White Oak	327.31	
32 93 43 00-0819	EA	14' Clump Form Quercus bicolor - Swamp White Oak	381.87	
32 93 43 00-0820	EA	16' Clump Form Quercus bicolor - Swamp White Oak	436.42	
32 93 43 00-0821	EA	2" Caliper Quercus coccinea - Scarlet Oak	141.84	
32 93 43 00-0822	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	180.02	
32 93 43 00-0823	EA	3" Caliper Quercus coccinea - Scarlet Oak	223.66	
32 93 43 00-0824	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	272.76	
32 93 43 00-0825	EA	4" Caliper Quercus coccinea - Scarlet Oak	327.31	
32 93 43 00-0826	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	387.32	
32 93 43 00-0827	EA	5" Caliper Quercus coccinea - Scarlet Oak	452.78	
32 93 43 00-0828	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	141.84	
32 93 43 00-0829	EA	2" Caliper Quercus imbricaria - Shingle Oak	190.93	
32 93 43 00-0830	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	256.40	
32 93 43 00-0831	EA	3" Caliper Quercus imbricaria - Shingle Oak	381.87	
32 93 43 00-0832	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	518.25	
32 93 43 00-0833	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	141.84	
32 93 43 00-0834	EA	2" Caliper Quercus macrocarpa - Bur Oak	169.11	
32 93 43 00-0835	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	201.84	
32 93 43 00-0836	EA	3" Caliper Quercus macrocarpa - Bur Oak	245.48	
32 93 43 00-0837	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	300.04	
32 93 43 00-0838	EA	4" Caliper Quercus macrocarpa - Bur Oak	354.59	
32 93 43 00-0839	EA	9' Clump Form Quercus macrocarpa - Bur Oak	327.31	
32 93 43 00-0840	EA	10' Clump Form Quercus macrocarpa - Bur Oak	381.87	
32 93 43 00-0841	EA	12' Clump Form Quercus macrocarpa - Bur Oak	436.42	
32 93 43 00-0842	EA	2" Caliper Quercus palustris - Pin Oak	120.01	
32 93 43 00-0843	EA	2-1/2" Caliper Quercus palustris - Pin Oak	163.66	
32 93 43 00-0844	EA	3" Caliper Quercus palustris - Pin Oak	212.75	
32 93 43 00-0845	EA	3-1/2" Caliper Quercus palustris - Pin Oak	245.48	
32 93 43 00-0846	EA	4" Caliper Quercus palustris - Pin Oak	283.67	
32 93 43 00-0847	EA	4-1/2" Caliper Quercus palustris - Pin Oak	321.86	
32 93 43 00-0848	EA	5" Caliper Quercus palustris - Pin Oak	354.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0849	EA	2" Caliper Quercus robur & cvs - English Oak	141.84	
32 93 43 00-0850	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	174.57	
32 93 43 00-0851	EA	3" Caliper Quercus robur & cvs - English Oak	207.30	
32 93 43 00-0852	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	245.48	
32 93 43 00-0853	EA	4" Caliper Quercus robur & cvs - English Oak	283.67	
32 93 43 00-0854	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	327.31	
32 93 43 00-0855	EA	5" Caliper Quercus robur & cvs - English Oak	370.95	
32 93 43 00-0856	EA	2" Caliper Quercus rubra - Red Oak	163.66	
32 93 43 00-0857	EA	2-1/2" Caliper Quercus rubra - Red Oak	190.93	
32 93 43 00-0858	EA	3" Caliper Quercus rubra - Red Oak	229.12	
32 93 43 00-0859	EA	3-1/2" Caliper Quercus rubra - Red Oak	272.76	
32 93 43 00-0860	EA	4" Caliper Quercus rubra - Red Oak	327.31	
32 93 43 00-0861	EA	4-1/2" Caliper Quercus rubra - Red Oak	381.87	
32 93 43 00-0862	EA	5" Caliper Quercus rubra - Red Oak	436.42	
32 93 43 00-0863	EA	16' Clump Form Quercus rubra - Red Oak	354.59	
32 93 43 00-0864	EA	18' Clump Form Quercus rubra - Red Oak	425.51	
32 93 43 00-0865	EA	20' Clump Form Quercus rubra - Red Oak	474.60	
32 93 43 00-0866	EA	2" Caliper Quercus shumardii - Shumard Oak	185.48	
32 93 43 00-0867	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	234.57	
32 93 43 00-0868	EA	3" Caliper Quercus shumardii - Shumard Oak	272.76	
32 93 43 00-0869	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	327.31	
32 93 43 00-0870	EA	4" Caliper Quercus shumardii - Shumard Oak	381.87	
32 93 43 00-0871	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	436.42	
32 93 43 00-0872	EA	5" Caliper Quercus shumardii - Shumard Oak	490.97	
32 93 43 00-0873	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	163.66	
32 93 43 00-0874	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	196.39	
32 93 43 00-0875	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	245.48	
32 93 43 00-0876	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	300.04	
32 93 43 00-0877	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	349.13	
32 93 43 00-0878	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	392.78	
32 93 43 00-0879	EA	1-1/2" Caliper Quercus suber - Cork Oak	614.98	
32 93 43 00-0880	EA	2" Caliper Quercus suber - Cork Oak	852.18	
32 93 43 00-0881	EA	2-1/2" Caliper Quercus suber - Cork Oak	1,089.39	
32 93 43 00-0882	EA	3" Caliper Quercus suber - Cork Oak	1,361.74	
32 93 43 00-0883	EA	3-1/2" Caliper Quercus suber - Cork Oak	2,042.61	
32 93 43 00-0884	EA	4" Caliper Quercus suber - Cork Oak	2,635.62	
32 93 43 00-0885	EA	4-1/2" Caliper Quercus suber - Cork Oak	3,426.31	
32 93 43 00-0886	EA	1-1/2" Caliper Quercus ilex - Holly Oak	680.87	
32 93 43 00-0887	EA	2" Caliper Quercus ilex - Holly Oak	918.07	
32 93 43 00-0888	EA	2-1/2" Caliper Quercus ilex - Holly Oak	1,124.53	
32 93 43 00-0889	EA	3" Caliper Quercus ilex - Holly Oak	1,361.74	
32 93 43 00-0890	EA	3-1/2" Caliper Quercus ilex - Holly Oak	2,042.61	
32 93 43 00-0891	EA	4" Caliper Quercus ilex - Holly Oak	2,635.62	
32 93 43 00-0892	EA	24" Box Salix babylonica - Weeping Willow	137.89	
32 93 43 00-0893	EA	36" Box Salix babylonica - Weeping Willow	344.73	
32 93 43 00-0894	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	79.30	
32 93 43 00-0895	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	94.81	
32 93 43 00-0896	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	103.42	
32 93 43 00-0897	EA	2" Caliper Salix alba & cvs - White Willow	87.28	
32 93 43 00-0898	EA	2-1/2" Caliper Salix alba & cvs - White Willow	103.65	
32 93 43 00-0899	EA	3" Caliper Salix alba & cvs - White Willow	136.38	
32 93 43 00-0900	EA	3-1/2" Caliper Salix alba & cvs - White Willow	163.66	
32 93 43 00-0901	EA	4" Caliper Salix alba & cvs - White Willow	196.39	
32 93 43 00-0902	EA	4-1/2" Caliper Salix alba & cvs - White Willow	229.12	
32 93 43 00-0903	EA	5" Caliper Salix alba & cvs - White Willow	261.85	
32 93 43 00-0904	EA	5' Clump Form Sassafras albidum - Common Sassafras	103.65	
32 93 43 00-0905	EA	6' Clump Form Sassafras albidum - Common Sassafras	125.47	
32 93 43 00-0906	EA	7' Clump Form Sassafras albidum - Common Sassafras	158.20	
32 93 43 00-0907	EA	8' Clump Form Sassafras albidum - Common Sassafras	180.02	
32 93 43 00-0908	EA	10' Clump Form Sassafras albidum - Common Sassafras	201.84	
32 93 43 00-0909	EA	12' Clump Form Sassafras albidum - Common Sassafras	245.48	
32 93 43 00-0910	EA	14' Clump Form Sassafras albidum - Common Sassafras	300.04	
32 93 43 00-0911	EA	16' Clump Form Sassafras albidum - Common Sassafras	354.59	
32 93 43 00-0912	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	180.68	
32 93 43 00-0913	EA	2" Caliper Sophora japonica - Chinese Scholar	200.75	
32 93 43 00-0914	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	269.76	
32 93 43 00-0915	EA	3" Caliper Sophora japonica - Chinese Scholar	351.32	
32 93 43 00-0916	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	407.78	
32 93 43 00-0917	EA	10' To 12' Swietenia Mahagoni - Mahogany	96.61	
32 93 43 00-0918	EA	12' To 14' Swietenia Mahagoni - Mahogany	112.92	
32 93 43 00-0919	EA	14' To 16' Swietenia Mahagoni - Mahogany	150.56	
32 93 43 00-0920	EA	16' To 18' Swietenia Mahagoni - Mahogany	169.38	
32 93 43 00-0921	EA	2" Caliper Taxodium distichum - Common Bald Cypress	136.38	
32 93 43 00-0922	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	158.20	
32 93 43 00-0923	EA	3" Caliper Taxodium distichum - Common Bald Cypress	190.93	
32 93 43 00-0924	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	218.21	
32 93 43 00-0925	EA	4" Caliper Taxodium distichum - Common Bald Cypress	240.03	
32 93 43 00-0926	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	120.01	
32 93 43 00-0927	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	136.38	
32 93 43 00-0928	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	196.39	
32 93 43 00-0929	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	218.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0930	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	245.48	
32 93 43 00-0931	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	283.67	
32 93 43 00-0932	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	327.31	
32 93 43 00-0933	EA	2' Thuja occidentalis - American Arborviatae	18.70	
32 93 43 00-0934	EA	2-1/2' Thuja occidentalis - American Arborviatae	20.20	
32 93 43 00-0935	EA	3' Thuja occidentalis - American Arborviatae	28.86	
32 93 43 00-0936	EA	4' Thuja occidentalis - American Arborviatae	39.65	
32 93 43 00-0937	EA	5' Thuja occidentalis - American Arborviatae	55.21	
32 93 43 00-0938	EA	6' Thuja occidentalis - American Arborviatae	76.54	
32 93 43 00-0939	EA	7' Thuja occidentalis - American Arborviatae	92.85	
32 93 43 00-0940	EA	8' Thuja occidentalis - American Arborviatae	130.49	
32 93 43 00-0941	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	136.38	
32 93 43 00-0942	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	158.20	
32 93 43 00-0943	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	201.84	
32 93 43 00-0944	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	234.57	
32 93 43 00-0945	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	267.31	
32 93 43 00-0946	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	300.04	
32 93 43 00-0947	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	327.31	
32 93 43 00-0948	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	174.57	
32 93 43 00-0949	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	190.93	
32 93 43 00-0950	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	218.21	
32 93 43 00-0951	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	250.94	
32 93 43 00-0952	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	137.20	
32 93 43 00-0953	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	165.73	
32 93 43 00-0954	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	190.93	
32 93 43 00-0955	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	234.57	
32 93 43 00-0956	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	267.31	
32 93 43 00-0957	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	300.04	
32 93 43 00-0958	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	332.77	
32 93 43 00-0959	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	152.75	
32 93 43 00-0960	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	169.11	
32 93 43 00-0961	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	185.48	
32 93 43 00-0962	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	207.30	
32 93 43 00-0963	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	240.03	
32 93 43 00-0964	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	283.67	
32 93 43 00-0965	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	370.95	
32 93 43 00-0966	EA	2" Caliper Tilia x euchlora - Crimean Linden	152.75	
32 93 43 00-0967	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	196.39	
32 93 43 00-0968	EA	3" Caliper Tilia x euchlora - Crimean Linden	240.03	
32 93 43 00-0969	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	272.76	
32 93 43 00-0970	EA	4" Caliper Tilia x euchlora - Crimean Linden	305.49	
32 93 43 00-0971	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	343.68	
32 93 43 00-0972	EA	5" Caliper Tilia x euchlora - Crimean Linden	370.95	
32 93 43 00-0973	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	152.75	
32 93 43 00-0974	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	174.57	
32 93 43 00-0975	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	190.93	
32 93 43 00-0976	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	207.30	
32 93 43 00-0977	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	229.12	
32 93 43 00-0978	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	272.76	
32 93 43 00-0979	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	321.86	
32 93 43 00-0980	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	174.57	
32 93 43 00-0981	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	190.93	
32 93 43 00-0982	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	207.30	
32 93 43 00-0983	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	229.12	
32 93 43 00-0984	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	272.76	
32 93 43 00-0985	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	321.86	
32 93 43 00-0986	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	370.95	
32 93 43 00-0987	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	174.57	
32 93 43 00-0988	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	190.93	
32 93 43 00-0989	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	207.30	
32 93 43 00-0990	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	229.12	
32 93 43 00-0991	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	272.76	
32 93 43 00-0992	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	321.86	
32 93 43 00-0993	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	370.95	
32 93 43 00-0994		**Evergreen Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0995	EA	6' Abies balsamea - Balsam Fir	133.40	
32 93 43 00-0996	EA	7' Abies balsamea - Balsam Fir	166.75	
32 93 43 00-0997	EA	8' Abies balsamea - Balsam Fir	200.10	
32 93 43 00-0998	EA	9' Abies balsamea - Balsam Fir	266.80	
32 93 43 00-0999	EA	10' Abies balsamea - Balsam Fir	333.50	
32 93 43 00-1000	EA	12' Abies balsamea - Balsam Fir	400.20	
32 93 43 00-1001	EA	6' Abies concolor - White Fir	193.43	
32 93 43 00-1002	EA	7' Abies concolor - White Fir	220.11	
32 93 43 00-1003	EA	8' Abies concolor - White Fir	260.13	
32 93 43 00-1004	EA	9' Abies concolor - White Fir	300.15	
32 93 43 00-1005	EA	10' Abies concolor - White Fir	353.51	
32 93 43 00-1006	EA	12' Abies concolor - White Fir	433.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1007	EA	14' Abies concolor - White Fir	533.60	
32 93 43 00-1008	EA	16' Abies concolor - White Fir	600.30	
32 93 43 00-1009	EA	6' Abies fraseri - Frasier Fir	133.40	
32 93 43 00-1010	EA	7' Abies fraseri - Frasier Fir	166.75	
32 93 43 00-1011	EA	8' Abies fraseri - Frasier Fir	200.10	
32 93 43 00-1012	EA	9' Abies fraseri - Frasier Fir	266.80	
32 93 43 00-1013	EA	10' Abies fraseri - Frasier Fir	333.50	
32 93 43 00-1014	EA	12' Abies fraseri - Frasier Fir	400.20	
32 93 43 00-1015	EA	5 Gallon Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	30.87	
32 93 43 00-1016	EA	15 Gallon Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	214.38	
32 93 43 00-1017	EA	24" Box Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	428.75	
32 93 43 00-1018	EA	36" Box Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	1,029.00	
32 93 43 00-1019	EA	1 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	7.34	
32 93 43 00-1020	EA	5 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	27.67	
32 93 43 00-1021	EA	15 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	89.21	
32 93 43 00-1022	EA	24" Box Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	214.55	
32 93 43 00-1023	EA	5 Gallon Bauhinia blakeana - Hong Kong Orchid Tree	20.33	
32 93 43 00-1024	EA	15 Gallon Bauhinia blakeana - Hong Kong Orchid Tree	89.21	
32 93 43 00-1025	EA	24" Box Bauhinia blakeana - Hong Kong Orchid Tree	214.55	
32 93 43 00-1026	EA	1 Gallon Callistemon viminalis - Weeping Bottlebrush	7.72	
32 93 43 00-1027	EA	5 Gallon Callistemon viminalis - Weeping Bottlebrush	24.01	
32 93 43 00-1028	EA	15 Gallon Callistemon viminalis - Weeping Bottlebrush	84.04	
32 93 43 00-1029	EA	24" Box Callistemon viminalis - Weeping Bottlebrush	274.40	
32 93 43 00-1030	EA	36" Box Callistemon viminalis - Weeping Bottlebrush	771.75	
32 93 43 00-1031	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	24.03	
32 93 43 00-1032	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	38.62	
32 93 43 00-1033	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	57.38	
32 93 43 00-1034	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	77.20	
32 93 43 00-1035	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	109.60	
32 93 43 00-1036	EA	1 Gallon Cedrus deodara - Deodar Cedar	16.98	
32 93 43 00-1037	EA	5 Gallon Cedrus deodara - Deodar Cedar	30.87	
32 93 43 00-1038	EA	15 Gallon Cedrus deodara - Deodar Cedar	135.48	
32 93 43 00-1039	EA	24" Box Cedrus deodara - Deodar Cedar	428.75	
32 93 43 00-1040	EA	36" Box Cedrus deodara - Deodar Cedar	943.25	
32 93 43 00-1041	EA	6' Cedrus decurrens - Incese Cedar	111.99	
32 93 43 00-1042	EA	8' Cedrus decurrens - Incese Cedar	231.65	
32 93 43 00-1043	EA	10' Cedrus decurrens - Incese Cedar	306.82	
32 93 43 00-1044	EA	12' Cedrus decurrens - Incese Cedar	406.54	
32 93 43 00-1045	EA	6' To 8' Cedrus deodara - Indian Cedar	99.17	
32 93 43 00-1046	EA	8' To 10' Cedrus deodara - Indian Cedar	114.82	
32 93 43 00-1047	EA	10' To 12' Cedrus deodara - Indian Cedar	156.55	
32 93 43 00-1048	EA	12' To 14' Cedrus deodara - Indian Cedar	203.50	
32 93 43 00-1049	EA	14' To 16' Cedrus deodara - Indian Cedar	260.93	
32 93 43 00-1050	EA	5 Gallon Cedrus libani - Cedar of Lebanon	30.87	
32 93 43 00-1051	EA	15 Gallon Cedrus libani - Cedar of Lebanon	135.48	
32 93 43 00-1052	EA	24" Box Cedrus libani - Cedar of Lebanon	325.85	
32 93 43 00-1053	EA	36" Box Cedrus libani - Cedar of Lebanon	943.25	
32 93 43 00-1054	EA	15 Gallon Celtis australis - European Hackberry	111.48	
32 93 43 00-1055	EA	24" Box Celtis australis - European Hackberry	385.88	
32 93 43 00-1056	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	31.00	
32 93 43 00-1057	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	46.50	
32 93 43 00-1058	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	72.33	
32 93 43 00-1059	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	124.00	
32 93 43 00-1060	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	37.57	
32 93 43 00-1061	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	58.49	
32 93 43 00-1062	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	73.03	
32 93 43 00-1063	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	104.38	
32 93 43 00-1064	EA	1 Gallon Cinnamomum camphora - Camphor Tree	11.15	
32 93 43 00-1065	EA	5 Gallon Cinnamomum camphora - Camphor Tree	30.87	
32 93 43 00-1066	EA	15 Gallon Cinnamomum camphora - Camphor Tree	84.04	
32 93 43 00-1067	EA	24" Box Cinnamomum camphora - Camphor Tree	274.40	
32 93 43 00-1068	EA	36" Box Cinnamomum camphora - Camphor Tree	771.75	
32 93 43 00-1069	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.23	
32 93 43 00-1070	EA	3 Gallon Cleyera japonica - Japanese Cleyera	10.61	
32 93 43 00-1071	EA	7 Gallon Cleyera japonica - Japanese Cleyera	30.38	
32 93 43 00-1072	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.05	
32 93 43 00-1073	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	68.22	
32 93 43 00-1074	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	29.85	
32 93 43 00-1075	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	38.37	
32 93 43 00-1076	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	59.69	
32 93 43 00-1077	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	144.96	
32 93 43 00-1078	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.11	
32 93 43 00-1079	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.00	
32 93 43 00-1080	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	46.65	
32 93 43 00-1081	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.05	
32 93 43 00-1082	EA	15 Gallon Cupressus sempervirens - Italian Cypress	44.14	
32 93 43 00-1083	EA	1 Gallon Eriobotrya deflexa - Bronze Loquat	11.15	
32 93 43 00-1084	EA	5 Gallon Eriobotrya deflexa - Bronze Loquat	30.87	
32 93 43 00-1085	EA	15 Gallon Eriobotrya deflexa - Bronze Loquat	135.48	
32 93 43 00-1086	EA	24" Box Eriobotrya deflexa - Bronze Loquat	325.85	
32 93 43 00-1087	EA	36" Box Eriobotrya deflexa - Bronze Loquat	943.25	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1088	EA	1 Gallon Heteromeles arbutifolia - Toyon	11.15	
32 93 43 00-1089	EA	5 Gallon Heteromeles arbutifolia - Toyon	30.87	
32 93 43 00-1090	EA	15 Gallon Heteromeles arbutifolia - Toyon	102.88	
32 93 43 00-1091	EA	24" Box Heteromeles arbutifolia - Toyon	325.85	
32 93 43 00-1092	EA	1 Gallon Illicium anisatum - Anise Tree	4.59	
32 93 43 00-1093	EA	3 Gallon Illicium anisatum - Anise Tree	10.61	
32 93 43 00-1094	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.72	
32 93 43 00-1095	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	9.23	
32 93 43 00-1096	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	11.44	
32 93 43 00-1097	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	13.44	
32 93 43 00-1098	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.72	
32 93 43 00-1099	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.23	
32 93 43 00-1100	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.44	
32 93 43 00-1101	EA	5 Gallon Juniperus - Blue Sargent Juniper	13.44	
32 93 43 00-1102	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	13.44	
32 93 43 00-1103	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	14.55	
32 93 43 00-1104	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	17.56	
32 93 43 00-1105	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	26.08	
32 93 43 00-1106	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	30.20	
32 93 43 00-1107	EA	5' To 6' Juniperus - Fairview Juniper	44.98	
32 93 43 00-1108	EA	1 Gallon Juniperus - Hollywood Juniper	6.02	
32 93 43 00-1109	EA	5 Gallon Juniperus - Hollywood Juniper	16.75	
32 93 43 00-1110	EA	15 Gallon Juniperus - Hollywood Juniper	71.03	
32 93 43 00-1111	EA	4' To 5' Juniperus - Hollywood Juniper	46.95	
32 93 43 00-1112	EA	5' To 6' Juniperus - Hollywood Juniper	60.49	
32 93 43 00-1113	EA	1 Gallon Juniperus - Parson's Juniper	4.72	
32 93 43 00-1114	EA	2 Gallon Juniperus - Parson's Juniper	9.33	
32 93 43 00-1115	EA	3 Gallon Juniperus - Parson's Juniper	11.54	
32 93 43 00-1116	EA	5 Gallon Juniperus - Parson's Juniper	13.64	
32 93 43 00-1117	EA	5 Gallon Juniperus - Skyrocket Juniper	16.85	
32 93 43 00-1118	EA	15 Gallon Juniperus - Skyrocket Juniper	71.73	
32 93 43 00-1119	EA	2' To 3' Juniperus - Skyrocket Juniper	25.28	
32 93 43 00-1120	EA	3' To 4' Juniperus - Skyrocket Juniper	35.81	
32 93 43 00-1121	EA	4' To 5' Juniperus - Skyrocket Juniper	47.45	
32 93 43 00-1122	EA	5' To 6' Juniperus - Skyrocket Juniper	61.20	
32 93 43 00-1123	EA	6' To 8' Juniperus - Skyrocket Juniper	79.05	
32 93 43 00-1124	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.72	
32 93 43 00-1125	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.28	
32 93 43 00-1126	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.39	
32 93 43 00-1127	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	13.49	
32 93 43 00-1128	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.72	
32 93 43 00-1129	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.28	
32 93 43 00-1130	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.39	
32 93 43 00-1131	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	13.49	
32 93 43 00-1132	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	25.28	
32 93 43 00-1133	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	35.81	
32 93 43 00-1134	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	47.45	
32 93 43 00-1135	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	61.20	
32 93 43 00-1136	EA	1 Gallon Laurus nobilis - Sweet Bay	7.72	
32 93 43 00-1137	EA	5 Gallon Laurus nobilis - Sweet Bay	24.01	
32 93 43 00-1138	EA	15 Gallon Laurus nobilis - Sweet Bay	84.04	
32 93 43 00-1139	EA	24" Box Laurus nobilis - Sweet Bay	274.40	
32 93 43 00-1140	EA	36" Box Laurus nobilis - Sweet Bay	943.25	
32 93 43 00-1141	EA	5 Gallon Lophostemon confertus (Tristania conferta) - Brisbane Box	24.01	
32 93 43 00-1142	EA	15 Gallon Lophostemon confertus (Tristania conferta) - Brisbane Box	84.04	
32 93 43 00-1143	EA	24" Box Lophostemon confertus (Tristania conferta) - Brisbane Box	274.40	
32 93 43 00-1144	EA	36" Box Lophostemon confertus (Tristania conferta) - Brisbane Box	771.75	
32 93 43 00-1145	EA	1 Gallon Lyonothamnus floribundus - Catalina Ironwood	16.98	
32 93 43 00-1146	EA	5 Gallon Lyonothamnus floribundus - Catalina Ironwood	42.02	
32 93 43 00-1147	EA	15 Gallon Lyonothamnus floribundus - Catalina Ironwood	214.38	
32 93 43 00-1148	EA	24" Box Lyonothamnus floribundus - Catalina Ironwood	428.75	
32 93 43 00-1149	EA	1 Gallon Lyonothamnus floribundus ssp. asplenifolius - Catalinia Ironwood	17.13	
32 93 43 00-1150	EA	5 Gallon Lyonothamnus floribundus ssp. asplenifolius - Catalinia Ironwood	51.43	
32 93 43 00-1151	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	322.16	
32 93 43 00-1152	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	429.55	
32 93 43 00-1153	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	536.94	
32 93 43 00-1154	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	644.32	
32 93 43 00-1155	EA	1 Gallon Melaleuca linariifolia - Flaxleaf Paperbark	8.97	
32 93 43 00-1156	EA	5 Gallon Melaleuca linariifolia - Flaxleaf Paperbark	27.92	
32 93 43 00-1157	EA	15 Gallon Melaleuca linariifolia - Flaxleaf Paperbark	97.72	
32 93 43 00-1158	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	319.09	
32 93 43 00-1159	EA	6' Melaleuca quinquenervia - Cajeput Tree	322.16	
32 93 43 00-1160	EA	8' Melaleuca quinquenervia - Cajeput Tree	429.55	
32 93 43 00-1161	EA	10' Melaleuca quinquenervia - Cajeput Tree	536.94	
32 93 43 00-1162	EA	12' Melaleuca quinquenervia - Cajeput Tree	644.32	
32 93 43 00-1163	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	179.49	
32 93 43 00-1164	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	452.56	
32 93 43 00-1165	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	713.36	
32 93 43 00-1166	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	95.11	
32 93 43 00-1167	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	128.86	
32 93 43 00-1168	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	219.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1169	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	271.54	
32 93 43 00-1170	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	180.68	
32 93 43 00-1171	EA	1 Gallon Photinia fraseri - Fraser's Photinia	7.72	
32 93 43 00-1172	EA	5 Gallon Photinia fraseri - Fraser's Photinia	66.88	
32 93 43 00-1173	EA	15 Gallon Photinia fraseri - Fraser's Photinia	101.18	
32 93 43 00-1174	EA	24" Box Photinia fraseri - Fraser's Photinia	325.85	
32 93 43 00-1175	EA	5' Picea abies & cvs - Norway Spruce	146.74	
32 93 43 00-1176	EA	6' Picea abies & cvs - Norway Spruce	166.75	
32 93 43 00-1177	EA	7' Picea abies & cvs - Norway Spruce	200.10	
32 93 43 00-1178	EA	8' Picea abies & cvs - Norway Spruce	233.45	
32 93 43 00-1179	EA	9' Picea abies & cvs - Norway Spruce	313.49	
32 93 43 00-1180	EA	10' Picea abies & cvs - Norway Spruce	380.19	
32 93 43 00-1181	EA	12' Picea abies & cvs - Norway Spruce	466.90	
32 93 43 00-1182	EA	14' Picea abies & cvs - Norway Spruce	566.95	
32 93 43 00-1183	EA	6' Picea glauca - White Spruce	140.07	
32 93 43 00-1184	EA	7' Picea glauca - White Spruce	200.10	
32 93 43 00-1185	EA	8' Picea glauca - White Spruce	233.45	
32 93 43 00-1186	EA	9' Picea glauca - White Spruce	280.14	
32 93 43 00-1187	EA	10' Picea glauca - White Spruce	333.50	
32 93 43 00-1188	EA	12' Picea glauca - White Spruce	400.20	
32 93 43 00-1189	EA	4' Picea glauca densata - Black Hills Spruce	80.04	
32 93 43 00-1190	EA	5' Picea glauca densata - Black Hills Spruce	120.06	
32 93 43 00-1191	EA	6' Picea glauca densata - Black Hills Spruce	180.09	
32 93 43 00-1192	EA	7' Picea glauca densata - Black Hills Spruce	213.44	
32 93 43 00-1193	EA	8' Picea glauca densata - Black Hills Spruce	246.79	
32 93 43 00-1194	EA	9' Picea glauca densata - Black Hills Spruce	273.47	
32 93 43 00-1195	EA	10' Picea glauca densata - Black Hills Spruce	300.15	
32 93 43 00-1196	EA	1 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	6.00	
32 93 43 00-1197	EA	5 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	17.15	
32 93 43 00-1198	EA	15 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	66.88	
32 93 43 00-1199	EA	24" Box Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	274.40	
32 93 43 00-1200	EA	36" Box Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	771.75	
32 93 43 00-1201	EA	1 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	7.72	
32 93 43 00-1202	EA	5 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	24.01	
32 93 43 00-1203	EA	15 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	84.04	
32 93 43 00-1204	EA	24" Box Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	274.40	
32 93 43 00-1205	EA	36" Box Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	771.75	
32 93 43 00-1206	EA	1 Gallon Metrosideros excelsa - New Zealand Christmas Tree	7.34	
32 93 43 00-1207	EA	5 Gallon Metrosideros excelsa - New Zealand Christmas Tree	27.67	
32 93 43 00-1208	EA	15 Gallon Metrosideros excelsa - New Zealand Christmas Tree	89.21	
32 93 43 00-1209	EA	24" Box Olea europaea 'Swan Hill' - Swan Hill Olive	428.75	
32 93 43 00-1210	EA	36" Box Olea europaea 'Swan Hill' - Swan Hill Olive	1,029.00	
32 93 43 00-1211	EA	6' Picea omorika & cvs - Serbian Spruce	180.09	
32 93 43 00-1212	EA	7' Picea omorika & cvs - Serbian Spruce	200.10	
32 93 43 00-1213	EA	8' Picea omorika & cvs - Serbian Spruce	240.12	
32 93 43 00-1214	EA	9' Picea omorika & cvs - Serbian Spruce	280.14	
32 93 43 00-1215	EA	10' Picea omorika & cvs - Serbian Spruce	320.16	
32 93 43 00-1216	EA	5' Picea pungens - Colorado Green Spruce	146.74	
32 93 43 00-1217	EA	6' Picea pungens - Colorado Green Spruce	186.76	
32 93 43 00-1218	EA	7' Picea pungens - Colorado Green Spruce	220.11	
32 93 43 00-1219	EA	8' Picea pungens - Colorado Green Spruce	253.46	
32 93 43 00-1220	EA	9' Picea pungens - Colorado Green Spruce	293.48	
32 93 43 00-1221	EA	10' Picea pungens - Colorado Green Spruce	553.61	
32 93 43 00-1222	EA	12' Picea pungens - Colorado Green Spruce	400.20	
32 93 43 00-1223	EA	14' Picea pungens - Colorado Green Spruce	466.90	
32 93 43 00-1224	EA	16' Picea pungens - Colorado Green Spruce	600.30	
32 93 43 00-1225	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	146.74	
32 93 43 00-1226	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	200.10	
32 93 43 00-1227	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	233.45	
32 93 43 00-1228	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	266.80	
32 93 43 00-1229	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	300.15	
32 93 43 00-1230	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	366.85	
32 93 43 00-1231	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	466.90	
32 93 43 00-1232	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	700.35	
32 93 43 00-1233	EA	6' Pinus canariensis - Canary Island Pine	368.18	
32 93 43 00-1234	EA	8' Pinus canariensis - Canary Island Pine	490.91	
32 93 43 00-1235	EA	10' Pinus canariensis - Canary Island Pine	613.64	
32 93 43 00-1236	EA	12' Pinus canariensis - Canary Island Pine	736.37	
32 93 43 00-1237	EA	1 Gallon Pinus canariensis - Canary Island Pine	11.15	
32 93 43 00-1238	EA	5 Gallon Pinus canariensis - Canary Island Pine	30.87	
32 93 43 00-1239	EA	15 Gallon Pinus canariensis - Canary Island Pine	101.18	
32 93 43 00-1240	EA	24" Box Pinus canariensis - Canary Island Pine	378.92	
32 93 43 00-1241	EA	1 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	7.72	
32 93 43 00-1242	EA	5 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	24.01	
32 93 43 00-1243	EA	15 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	84.04	
32 93 43 00-1244	EA	24" Box Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	274.40	
32 93 43 00-1245	EA	36" Box Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	771.75	
32 93 43 00-1246	EA	1 Gallon Pinus halepensis - Aleppo Pine	7.72	
32 93 43 00-1247	EA	5 Gallon Pinus halepensis - Aleppo Pine	24.01	
32 93 43 00-1248	EA	15 Gallon Pinus halepensis - Aleppo Pine	84.04	
32 93 43 00-1249	EA	24" Box Pinus halepensis - Aleppo Pine	274.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1250	EA	36" Box Pinus halepensis - Aleppo Pine	771.75	
32 93 43 00-1251	EA	1 Gallon Pinus muricata - Bishop Pine	17.13	
32 93 43 00-1252	EA	5 Gallon Pinus muricata - Bishop Pine	51.43	
32 93 43 00-1253	EA	15 Gallon Pinus patula - Jelecote Pine, Mexican Weeping Pine	111.48	
32 93 43 00-1254	EA	24" Box Pinus patula - Jelecote Pine, Mexican Weeping Pine	385.88	
32 93 43 00-1255	EA	6' Pinus pinea - Italian Stone Pine	368.18	
32 93 43 00-1256	EA	8' Pinus pinea - Italian Stone Pine	490.91	
32 93 43 00-1257	EA	10' Pinus pinea - Italian Stone Pine	613.64	
32 93 43 00-1258	EA	12' Pinus pinea - Italian Stone Pine	736.37	
32 93 43 00-1259	EA	1 Gallon Pinus pinea - Italian Stone Pine	12.96	
32 93 43 00-1260	EA	5 Gallon Pinus pinea - Italian Stone Pine	35.90	
32 93 43 00-1261	EA	15 Gallon Pinus pinea - Italian Stone Pine	117.67	
32 93 43 00-1262	EA	24" Box Pinus pinea - Italian Stone Pine	319.09	
32 93 43 00-1263	EA	36" Box Pinus pinea - Italian Stone Pine	897.45	
32 93 43 00-1264	EA	2' Pinus strobus - Pyramidal White Pine	18.47	
32 93 43 00-1265	EA	3' Pinus strobus - Pyramidal White Pine	24.68	
32 93 43 00-1266	EA	4' Pinus strobus - Pyramidal White Pine	27.23	
32 93 43 00-1267	EA	5' Pinus strobus - Pyramidal White Pine	29.78	
32 93 43 00-1268	EA	6' Pinus strobus - Pyramidal White Pine	37.10	
32 93 43 00-1269	EA	7' Pinus strobus - Pyramidal White Pine	49.36	
32 93 43 00-1270	EA	8' Pinus strobus - Pyramidal White Pine	67.84	
32 93 43 00-1271	EA	10' Pinus strobus - Pyramidal White Pine	135.35	
32 93 43 00-1272	EA	12' Pinus strobus - Pyramidal White Pine	321.66	
32 93 43 00-1273	EA	14' Pinus strobus - Pyramidal White Pine	431.54	
32 93 43 00-1274	EA	16' Pinus strobus - Pyramidal White Pine	519.12	
32 93 43 00-1275	EA	2' Pinus strobus - White Pine	28.38	
32 93 43 00-1276	EA	3' Pinus strobus - White Pine	40.50	
32 93 43 00-1277	EA	4' Pinus strobus - White Pine	64.59	
32 93 43 00-1278	EA	5' Pinus strobus - White Pine	92.05	
32 93 43 00-1279	EA	6' Pinus strobus - White Pine	135.00	
32 93 43 00-1280	EA	7' Pinus strobus - White Pine	161.08	
32 93 43 00-1281	EA	8' Pinus strobus - White Pine	217.84	
32 93 43 00-1282	EA	10' Pinus strobus - White Pine	293.01	
32 93 43 00-1283	EA	12' Pinus strobus - White Pine	388.13	
32 93 43 00-1284	EA	14' Pinus strobus - White Pine	475.57	
32 93 43 00-1285	EA	16' Pinus strobus - White Pine	578.36	
32 93 43 00-1286	EA	3' Pinus sylvestris - Scotch Pine	43.82	
32 93 43 00-1287	EA	4' Pinus sylvestris - Scotch Pine	60.83	
32 93 43 00-1288	EA	5' Pinus sylvestris - Scotch Pine	85.38	
32 93 43 00-1289	EA	6' Pinus sylvestris - Scotch Pine	118.46	
32 93 43 00-1290	EA	7' Pinus sylvestris - Scotch Pine	145.14	
32 93 43 00-1291	EA	8' Pinus sylvestris - Scotch Pine	204.90	
32 93 43 00-1292	EA	9' Pinus sylvestris - Scotch Pine	260.13	
32 93 43 00-1293	EA	10' Pinus sylvestris - Scotch Pine	300.15	
32 93 43 00-1294	EA	12' Pinus sylvestris - Scotch Pine	353.51	
32 93 43 00-1295	EA	14' Pinus sylvestris - Scotch Pine	400.20	
32 93 43 00-1296	EA	16' Pinus sylvestris - Scotch Pine	466.90	
32 93 43 00-1297	EA	5' To 6' Pinus taeda - Loblolly Pine	19.07	
32 93 43 00-1298	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.72	
32 93 43 00-1299	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	16.75	
32 93 43 00-1300	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	54.27	
32 93 43 00-1301	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	22.97	
32 93 43 00-1302	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	29.19	
32 93 43 00-1303	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	43.84	
32 93 43 00-1304	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	85.57	
32 93 43 00-1305	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	96.01	
32 93 43 00-1306	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	119.98	
32 93 43 00-1307	EA	4' Pinus cembra - Swiss Stone Pine	113.39	
32 93 43 00-1308	EA	5' Pinus cembra - Swiss Stone Pine	140.07	
32 93 43 00-1309	EA	6' Pinus cembra - Swiss Stone Pine	173.42	
32 93 43 00-1310	EA	6' Pinus flexilis & cvs - Limber Pine	166.75	
32 93 43 00-1311	EA	7' Pinus flexilis & cvs - Limber Pine	193.43	
32 93 43 00-1312	EA	8' Pinus flexilis & cvs - Limber Pine	240.12	
32 93 43 00-1313	EA	9' Pinus flexilis & cvs - Limber Pine	293.48	
32 93 43 00-1314	EA	10' Pinus flexilis & cvs - Limber Pine	333.50	
32 93 43 00-1315	EA	1 Gallon Pinus mugo - Mugho Pine	6.22	
32 93 43 00-1316	EA	2 Gallon Pinus mugo - Mugho Pine	13.14	
32 93 43 00-1317	EA	3 Gallon Pinus mugo - Mugho Pine	16.45	
32 93 43 00-1318	EA	5 Gallon Pinus mugo - Mugho Pine	20.87	
32 93 43 00-1319	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.15	
32 93 43 00-1320	EA	15" To 18" Spread Pinus mugo - Mugho Pine	19.26	
32 93 43 00-1321	EA	18" To 24" Spread Pinus mugo - Mugho Pine	26.08	
32 93 43 00-1322	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	36.52	
32 93 43 00-1323	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	46.95	
32 93 43 00-1324	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	58.49	
32 93 43 00-1325	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	71.03	
32 93 43 00-1326	EA	6' Pinus nigra - Austrian Pine	166.75	
32 93 43 00-1327	EA	7' Pinus nigra - Austrian Pine	200.10	
32 93 43 00-1328	EA	8' Pinus nigra - Austrian Pine	260.13	
32 93 43 00-1329	EA	9' Pinus nigra - Austrian Pine	300.15	
32 93 43 00-1330	EA	10' Pinus nigra - Austrian Pine	353.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1331	EA	12' Pinus nigra - Austrian Pine	400.20	
32 93 43 00-1332	EA	14' Pinus nigra - Austrian Pine	446.89	
32 93 43 00-1333	EA	16' Pinus nigra - Austrian Pine	506.92	
32 93 43 00-1334	EA	5' Pinus peuce - Macedonian Pine	206.77	
32 93 43 00-1335	EA	6' Pinus peuce - Macedonian Pine	260.13	
32 93 43 00-1336	EA	7' Pinus peuce - Macedonian Pine	300.15	
32 93 43 00-1337	EA	8' Pinus peuce - Macedonian Pine	340.17	
32 93 43 00-1338	EA	9' Pinus peuce - Macedonian Pine	393.53	
32 93 43 00-1339	EA	1 Gallon Pinus torreyana - Torrey Pine	16.98	
32 93 43 00-1340	EA	5 Gallon Pinus torreyana - Torrey Pine	42.02	
32 93 43 00-1341	EA	15 Gallon Pinus torreyana - Torrey Pine	135.48	
32 93 43 00-1342	EA	24" Box Pinus torreyana - Torrey Pine	325.85	
32 93 43 00-1343	EA	36" Box Pinus torreyana - Torrey Pine	943.25	
32 93 43 00-1344	EA	6' Pittosporum undulatum - Victorian Box	202.50	
32 93 43 00-1345	EA	8' Pittosporum undulatum - Victorian Box	320.63	
32 93 43 00-1346	EA	10' Pittosporum undulatum - Victorian Box	421.88	
32 93 43 00-1347	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.11	
32 93 43 00-1348	EA	3 Gallon Podocarpus - Chinese Podocarpus	7.22	
32 93 43 00-1349	EA	7 Gallon Podocarpus - Chinese Podocarpus	20.87	
32 93 43 00-1350	EA	15 Gallon Podocarpus - Chinese Podocarpus	33.91	
32 93 43 00-1351	EA	4' To 5' Podocarpus - Chinese Podocarpus	52.17	
32 93 43 00-1352	EA	1 Gallon Rhus lancea - African Sumac	11.15	
32 93 43 00-1353	EA	5 Gallon Rhus lancea - African Sumac	30.87	
32 93 43 00-1354	EA	15 Gallon Rhus lancea - African Sumac	84.04	
32 93 43 00-1355	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	383.52	
32 93 43 00-1356	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	506.25	
32 93 43 00-1357	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	644.32	
32 93 43 00-1358	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	767.05	
32 93 43 00-1359	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	179.49	
32 93 43 00-1360	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	7.13	
32 93 43 00-1361	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	16.72	
32 93 43 00-1362	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	21.94	
32 93 43 00-1363	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	95.11	
32 93 43 00-1364	EA	24" Box Podocarpus macrophyllus - Yew Pine	184.09	
32 93 43 00-1365	EA	5' Pseudotsuga menziesii - Douglas Fir	133.40	
32 93 43 00-1366	EA	6' Pseudotsuga menziesii - Douglas Fir	160.08	
32 93 43 00-1367	EA	7' Pseudotsuga menziesii - Douglas Fir	200.10	
32 93 43 00-1368	EA	8' Pseudotsuga menziesii - Douglas Fir	240.12	
32 93 43 00-1369	EA	9' Pseudotsuga menziesii - Douglas Fir	300.15	
32 93 43 00-1370	EA	10' Pseudotsuga menziesii - Douglas Fir	353.51	
32 93 43 00-1371	EA	12' Pseudotsuga menziesii - Douglas Fir	400.20	
32 93 43 00-1372	EA	15 Gallon Prosopis alba 'Colorado' - Argentine Mesquite	97.74	
32 93 43 00-1373	EA	24" Box Prosopis alba 'Colorado' - Argentine Mesquite	339.55	
32 93 43 00-1374	EA	15 Gallon Prosopis hybrid 'Phoenix' - Phoenix Mesquite	97.74	
32 93 43 00-1375	EA	24" Box Prosopis hybrid 'Phoenix' - Phoenix Mesquite	339.55	
32 93 43 00-1376	EA	1 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	11.15	
32 93 43 00-1377	EA	5 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	42.02	
32 93 43 00-1378	EA	15 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	94.32	
32 93 43 00-1379	EA	24" Box Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	325.85	
32 93 43 00-1380	EA	24" Box Quercus engelmannii - Mesa Oak	411.60	
32 93 43 00-1381	EA	36" Box Quercus engelmannii - Mesa Oak	1,029.00	
32 93 43 00-1382	EA	5 Gallon Quillaja saponaria - Soapbark Tree	111.48	
32 93 43 00-1383	EA	15 Gallon Quillaja saponaria - Soapbark Tree	385.88	
32 93 43 00-1384	EA	24" Box Rhus lancea - African Sumac	189.46	
32 93 43 00-1385	EA	30" Box Rhus lancea - African Sumac	306.82	
32 93 43 00-1386	EA	8' Rhus lancea - African Sumac	460.23	
32 93 43 00-1387	EA	10' Rhus lancea - African Sumac	513.92	
32 93 43 00-1388	EA	12' Rhus lancea - African Sumac	613.64	
32 93 43 00-1389	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	65.21	
32 93 43 00-1390	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	88.03	
32 93 43 00-1391	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	107.60	
32 93 43 00-1392	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	12.57	
32 93 43 00-1393	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	23.54	
32 93 43 00-1394	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	46.35	
32 93 43 00-1395	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	57.94	
32 93 43 00-1396	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	71.63	
32 93 43 00-1397	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	90.64	
32 93 43 00-1398	EA	6' Tsuga canadensis - Northern Hemlock	133.40	
32 93 43 00-1399	EA	7' Tsuga canadensis - Northern Hemlock	166.75	
32 93 43 00-1400	EA	8' Tsuga canadensis - Northern Hemlock	226.78	
32 93 43 00-1401	EA	9' Tsuga canadensis - Northern Hemlock	266.80	
32 93 43 00-1402	EA	10' Tsuga canadensis - Northern Hemlock	300.15	
32 93 43 00-1403	EA	12' Tsuga canadensis - Northern Hemlock	333.50	
32 93 43 00-1404	EA	1 Gallon Tristania conferta - Brisbane Box	11.15	
32 93 43 00-1405	EA	5 Gallon Tristania conferta - Brisbane Box	30.87	
32 93 43 00-1406	EA	15 Gallon Tristania conferta - Brisbane Box	84.04	
32 93 43 00-1407	EA	24" Box Tristania conferta - Brisbane Box	274.40	
32 93 43 00-1408	EA	36" Box Tristania conferta - Brisbane Box	771.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1409		**Palm And Subtropical Trees** *(32 93 43)* Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-1410	EA	4' To 5' Acacia baileyana - Bailey Acacia	250.94	
32 93 43 00-1411	EA	6' Acacia baileyana - Bailey Acacia	301.13	
32 93 43 00-1412	EA	8' Acacia baileyana - Bailey Acacia	351.32	
32 93 43 00-1413	EA	10' Acacia baileyana - Bailey Acacia	439.14	
32 93 43 00-1414	EA	6' Agonis flexuosa - Peppermint Tree	150.56	
32 93 43 00-1415	EA	8' Agonis flexuosa - Peppermint Tree	188.20	
32 93 43 00-1416	EA	10' Agonis flexuosa - Peppermint Tree	225.85	
32 93 43 00-1417	EA	24" Box Agonis flexuosa - Peppermint Tree	187.58	
32 93 43 00-1418	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	102.64	
32 93 43 00-1419	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	159.66	
32 93 43 00-1420	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	205.28	
32 93 43 00-1421	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	273.70	
32 93 43 00-1422	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	77.76	
32 93 43 00-1423	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	108.86	
32 93 43 00-1424	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	139.96	
32 93 43 00-1425	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	171.06	
32 93 43 00-1426	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	207.35	
32 93 43 00-1427	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	259.19	
32 93 43 00-1428	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	445.80	
32 93 43 00-1429	EA	6' Bauninia blakeana - Hong Kong Orchid	528.74	
32 93 43 00-1430	EA	8' Bauninia blakeana - Hong Kong Orchid	704.99	
32 93 43 00-1431	EA	10' Bauninia blakeana - Hong Kong Orchid	881.24	
32 93 43 00-1432	EA	6' Bauhinia purpurea - Purple Orchid Tree	559.84	
32 93 43 00-1433	EA	8' Bauhinia purpurea - Purple Orchid Tree	746.46	
32 93 43 00-1434	EA	10' Bauhinia purpurea - Purple Orchid Tree	933.08	
32 93 43 00-1435	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	242.60	
32 93 43 00-1436	EA	6' Bauhinia variegata candida - White Orchid Tree	622.05	
32 93 43 00-1437	EA	8' Bauhinia variegata candida - White Orchid Tree	829.40	
32 93 43 00-1438	EA	10' Bauhinia variegata candida - White Orchid Tree	1,036.75	
32 93 43 00-1439	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	338.77	
32 93 43 00-1440	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	451.69	
32 93 43 00-1441	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	564.62	
32 93 43 00-1442	EA	6' Callistemon viminalis - Weeping Bottle Brush	338.77	
32 93 43 00-1443	EA	8' Callistemon viminalis - Weeping Bottle Brush	451.69	
32 93 43 00-1444	EA	10' Callistemon viminalis - Weeping Bottle Brush	564.62	
32 93 43 00-1445	EA	12' Callistemon viminalis - Weeping Bottle Brush	677.54	
32 93 43 00-1446	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	217.72	
32 93 43 00-1447	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	342.13	
32 93 43 00-1448	EA	3' To 4' Chamaerops humilis - European Fan Palm	186.62	
32 93 43 00-1449	EA	5' To 6' Chamaerops humilis - European Fan Palm	248.82	
32 93 43 00-1450	EA	7' To 8' Chamaerops humilis - European Fan Palm	580.58	
32 93 43 00-1451	EA	9' To 10' Chamaerops humilis - European Fan Palm	995.28	
32 93 43 00-1452	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	145.14	
32 93 43 00-1453	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	290.29	
32 93 43 00-1454	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	373.23	
32 93 43 00-1455	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	518.38	
32 93 43 00-1456	EA	12' To 16' Cocos nucifera - Coconut Palm	437.24	
32 93 43 00-1457	EA	6' Eriobotrya deflexa - Bronze Loquat	559.84	
32 93 43 00-1458	EA	8' Eriobotrya deflexa - Bronze Loquat	746.46	
32 93 43 00-1459	EA	10' Eriobotrya deflexa - Bronze Loquat	933.08	
32 93 43 00-1460	EA	6' Eucalyptus erythrocorys - Red Cap Gum	559.84	
32 93 43 00-1461	EA	8' Eucalyptus erythrocorys - Red Cap Gum	746.46	
32 93 43 00-1462	EA	10' Eucalyptus erythrocorys - Red Cap Gum	933.08	
32 93 43 00-1463	EA	6' Eucalyptus gunnii - Cider Gum	559.84	
32 93 43 00-1464	EA	8' Eucalyptus gunnii - Cider Gum	746.46	
32 93 43 00-1465	EA	10' Eucalyptus gunnii - Cider Gum	933.08	
32 93 43 00-1466	EA	6' Eucalyptus leucoxylon - White Ironbark	559.84	
32 93 43 00-1467	EA	8' Eucalyptus leucoxylon - White Ironbark	746.46	
32 93 43 00-1468	EA	10' Eucalyptus leucoxylon - White Ironbark	933.08	
32 93 43 00-1469	EA	12' Eucalyptus leucoxylon - White Ironbark	1,119.69	
32 93 43 00-1470	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	559.84	
32 93 43 00-1471	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	746.46	
32 93 43 00-1472	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	933.08	
32 93 43 00-1473	EA	6' Eucalyptus torquala - Coral Gum	559.84	
32 93 43 00-1474	EA	8' Eucalyptus torquala - Coral Gum	746.46	
32 93 43 00-1475	EA	10' Eucalyptus torquala - Coral Gum	933.08	
32 93 43 00-1476	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	351.32	
32 93 43 00-1477	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	476.79	
32 93 43 00-1478	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	589.71	
32 93 43 00-1479	EA	6' Jacarandra acutifolia - Jacaranda	559.84	
32 93 43 00-1480	EA	8' Jacarandra acutifolia - Jacaranda	746.46	
32 93 43 00-1481	EA	10' Jacarandra acutifolia - Jacaranda	933.08	
32 93 43 00-1482	EA	24" Box Jacarandra acutifolia - Jacaranda	242.60	
32 93 43 00-1483	EA	6' Olea europaea - Olive "Fruitless"	414.21	
32 93 43 00-1484	EA	8' Olea europaea - Olive "Fruitless"	552.28	
32 93 43 00-1485	EA	10' Olea europaea - Olive "Fruitless"	690.34	
32 93 43 00-1486	EA	12' Olea europaea - Olive "Fruitless"	828.41	
32 93 43 00-1487	EA	24" Box Olea europaea - Olive "Fruitless"	509.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1488	EA	5 Gallon Pistacia chinensis - Chinese Pistache	37.32	
32 93 43 00-1489	EA	15 Gallon Pistacia chinensis - Chinese Pistache	124.41	
32 93 43 00-1490	EA	24" Box Pistacia chinensis - Chinese Pistache	483.13	
32 93 43 00-1491	EA	36" Box Pistacia chinensis - Chinese Pistache	1,285.57	
32 93 43 00-1492	EA	48" Box Pistacia chinensis - Chinese Pistache	2,737.02	
32 93 43 00-1493	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	23.34	
32 93 43 00-1494	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	77.79	
32 93 43 00-1495	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	292.35	
32 93 43 00-1496	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	534.50	
32 93 43 00-1497	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	777.91	
32 93 43 00-1498	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	23.34	
32 93 43 00-1499	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	82.81	
32 93 43 00-1500	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	301.13	
32 93 43 00-1501	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	534.50	
32 93 43 00-1502	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	777.91	
32 93 43 00-1503	EA	4' To 5' Rhapis excelsa - Lady Palm	393.96	
32 93 43 00-1504	EA	6' To 7' Rhapis excelsa - Lady Palm	559.84	
32 93 43 00-1505	EA	8' To 9' Roystonea regia - Royal Palm	317.25	
32 93 43 00-1506	EA	10' To 11' Roystonea regia - Royal Palm	387.74	
32 93 43 00-1507	EA	12' To 13' Roystonea regia - Royal Palm	458.24	
32 93 43 00-1508	EA	14' To 15' Roystonea regia - Royal Palm	528.74	
32 93 43 00-1509	EA	16' To 17' Roystonea regia - Royal Palm	599.24	
32 93 43 00-1510	EA	18' To 19' Roystonea regia - Royal Palm	669.74	
32 93 43 00-1511	EA	20' To 21' Roystonea regia - Royal Palm	740.24	
32 93 43 00-1512	EA	10' To 16' Sabal palmetto - Cabbage Palm	160.33	
32 93 43 00-1513	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	435.44	
32 93 43 00-1514	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	559.84	
32 93 43 00-1515	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	684.26	
32 93 43 00-1516	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	155.51	
32 93 43 00-1517	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	259.19	
32 93 43 00-1518	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	393.96	
32 93 43 00-1519	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	445.80	
32 93 43 00-1520	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	518.38	
32 93 43 00-1521	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	9.03	
32 93 43 00-1522	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	28.10	
32 93 43 00-1523	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	98.35	
32 93 43 00-1524	EA	24" Box Washingtonia robusta - Mexican Fan Palm	321.15	
32 93 43 00-1525	EA	36" Box Washingtonia robusta - Mexican Fan Palm	853.06	
32 93 43 00-1526	EA	6' Washingtonia robusta - Mexican Fan Palm	559.84	
32 93 43 00-1527	EA	8' Washingtonia robusta - Mexican Fan Palm	746.46	
32 93 43 00-1528	EA	10' Washingtonia robusta - Mexican Fan Palm	933.08	
32 93 43 00-1529	EA	12' Washingtonia robusta - Mexican Fan Palm	1,119.69	
32 93 43 00-1530	EA	5 Gallon Phoenix roebelenii - Pygmy Date Palm	23.05	
32 93 43 00-1531	EA	7 Gallon Phoenix roebelenii - Pygmy Date Palm	56.18	
32 93 43 00-1532	EA	15 Gallon Phoenix roebelenii - Pygmy Date Palm	85.00	
32 93 43 00-1533	EA	24" Box Phoenix roebelenii - Pygmy Date Palm	252.10	

32 93 63 Specialty Plants *(32 93)*

32 93 63 00-0001 Specialty Plants In Place *(32 93 63)*

Note: Includes plant and placement for trees.

32 93 63 00-0002	EA	5 Gallon Trees	174.06
32 93 63 00-0003	EA	7 Gallon Trees	210.30
32 93 63 00-0004	EA	15 Gallon Trees	421.06
32 93 63 00-0005	EA	24" Box Container Trees	743.31
32 93 63 00-0006	EA	36" Box Container Trees	2,287.14
32 93 63 00-0007	EA	48" Box Container Trees	4,732.37
32 93 63 00-0008	EA	60" Box Container Trees	7,790.20
32 93 63 00-0009	EA	72" Box Container Trees	13,004.94

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.51
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.43
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	3.04
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	4.86
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	24.31
		For >10 To 25, Deduct	*-1.22*
		For >25 To 50, Deduct	*-3.04*
		For >50 To 100, Deduct	*-4.86*
		For >100, Deduct	*-7.29*
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	34.03
		For >10 To 25, Deduct	*-1.70*
		For >25 To 50, Deduct	*-4.25*
		For >50 To 100, Deduct	*-6.81*
		For >100, Deduct	*-10.21*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	43.75	
		For >10 To 25, Deduct	*-2.19*	
		For >25 To 50, Deduct	*-5.47*	
		For >50 To 100, Deduct	*-8.75*	
		For >100, Deduct	*-13.13*	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	72.92	
		For >10 To 25, Deduct	*-3.65*	
		For >25 To 50, Deduct	*-9.12*	
		For >50 To 100, Deduct	*-14.58*	
		For >100, Deduct	*-21.88*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	97.21	
		For >10 To 25, Deduct	*-4.86*	
		For >25 To 50, Deduct	*-12.15*	
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-29.16*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	126.38	
		For >10 To 25, Deduct	*-6.32*	
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-25.28*	
		For >100, Deduct	*-37.91*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	179.85	
		For >10 To 25, Deduct	*-8.99*	
		For >25 To 50, Deduct	*-22.48*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-53.96*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	296.51	
		For >10 To 25, Deduct	*-14.83*	
		For >25 To 50, Deduct	*-37.06*	
		For >50 To 100, Deduct	*-59.30*	
		For >100, Deduct	*-88.95*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	384.00	
		For >10 To 25, Deduct	*-19.20*	
		For >25 To 50, Deduct	*-48.00*	
		For >50 To 100, Deduct	*-76.80*	
		For >100, Deduct	*-115.20*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	461.77	
		For >10 To 25, Deduct	*-23.09*	
		For >25 To 50, Deduct	*-57.72*	
		For >50 To 100, Deduct	*-92.35*	
		For >100, Deduct	*-138.53*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	573.57	
		For >10 To 25, Deduct	*-28.68*	
		For >25 To 50, Deduct	*-71.70*	
		For >50 To 100, Deduct	*-114.71*	
		For >100, Deduct	*-172.07*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	680.51	
		For >10 To 25, Deduct	*-34.03*	
		For >25 To 50, Deduct	*-85.06*	
		For >50 To 100, Deduct	*-136.10*	
		For >100, Deduct	*-204.15*	
32 93 83 00-0018	EA	24" Box Container Tree Planting	126.38	
		For >10 To 25, Deduct	*-6.32*	
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-25.28*	
		For >100, Deduct	*-37.91*	
32 93 83 00-0019	EA	36" Box Container Tree Planting	384.00	
		For >10 To 25, Deduct	*-19.20*	
		For >25 To 50, Deduct	*-48.00*	
		For >50 To 100, Deduct	*-76.80*	
		For >100, Deduct	*-115.20*	
32 93 83 00-0020	EA	48" Box Container Tree Planting	680.51	
		For >10 To 25, Deduct	*-34.03*	
		For >25 To 50, Deduct	*-85.06*	
		For >50 To 100, Deduct	*-136.10*	
		For >100, Deduct	*-204.15*	
32 93 83 00-0021	EA	60" Box Container Tree Planting	806.89	
		For >10 To 25, Deduct	*-40.34*	
		For >25 To 50, Deduct	*-100.86*	
		For >50 To 100, Deduct	*-161.38*	
		For >100, Deduct	*-242.07*	
32 93 83 00-0022	EA	72" Box Container Tree Planting	972.16	
		For >10 To 25, Deduct	*-48.61*	
		For >25 To 50, Deduct	*-121.52*	
		For >50 To 100, Deduct	*-194.43*	
		For >100, Deduct	*-291.65*	
32 93 83 00-0023	EA	6' Balled And Burlapped Tree Planting	243.04	
		For >10 To 25, Deduct	*-12.15*	
		For >25 To 50, Deduct	*-30.38*	
		For >50 To 100, Deduct	*-48.61*	
		For >100, Deduct	*-72.91*	
32 93 83 00-0024	EA	7' Balled And Burlapped Tree Planting	323.73	
		For >10 To 25, Deduct	*-16.19*	
		For >25 To 50, Deduct	*-40.47*	
		For >50 To 100, Deduct	*-64.75*	
		For >100, Deduct	*-97.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0025	EA	8' Balled And Burlapped Tree Planting	364.56	
		For >10 To 25, Deduct	*-18.23*	
		For >25 To 50, Deduct	*-45.57*	
		For >50 To 100, Deduct	*-72.91*	
		For >100, Deduct	*-109.37*	
32 93 83 00-0026	EA	10' Balled And Burlapped Tree Planting	425.32	
		For >10 To 25, Deduct	*-21.27*	
		For >25 To 50, Deduct	*-53.17*	
		For >50 To 100, Deduct	*-85.06*	
		For >100, Deduct	*-127.60*	
32 93 83 00-0027	EA	12' Balled And Burlapped Tree Planting	568.71	
		For >10 To 25, Deduct	*-28.44*	
		For >25 To 50, Deduct	*-71.09*	
		For >50 To 100, Deduct	*-113.74*	
		For >100, Deduct	*-170.61*	
32 93 83 00-0028	EA	14' Balled And Burlapped Tree Planting	651.35	
		For >10 To 25, Deduct	*-32.57*	
		For >25 To 50, Deduct	*-81.42*	
		For >50 To 100, Deduct	*-130.27*	
		For >100, Deduct	*-195.41*	
32 93 83 00-0029	EA	16' Balled And Burlapped Tree Planting	789.88	
		For >10 To 25, Deduct	*-39.49*	
		For >25 To 50, Deduct	*-98.74*	
		For >50 To 100, Deduct	*-157.98*	
		For >100, Deduct	*-236.96*	
32 93 83 00-0030	EA	18' Balled And Burlapped Tree Planting	947.85	
		For >10 To 25, Deduct	*-47.39*	
		For >25 To 50, Deduct	*-118.48*	
		For >50 To 100, Deduct	*-189.57*	
		For >100, Deduct	*-284.36*	
32 93 83 00-0031	EA	20' Balled And Burlapped Tree Planting	1,093.68	
		For >10 To 25, Deduct	*-54.68*	
		For >25 To 50, Deduct	*-136.71*	
		For >50 To 100, Deduct	*-218.74*	
		For >100, Deduct	*-328.10*	
32 93 83 00-0032	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	364.56	
		For >10 To 25, Deduct	*-18.23*	
		For >25 To 50, Deduct	*-45.57*	
		For >50 To 100, Deduct	*-72.91*	
		For >100, Deduct	*-109.37*	
32 93 83 00-0033	EA	2" Caliper Balled And Burlapped Tree Planting	425.32	
		For >10 To 25, Deduct	*-21.27*	
		For >25 To 50, Deduct	*-53.17*	
		For >50 To 100, Deduct	*-85.06*	
		For >100, Deduct	*-127.60*	
32 93 83 00-0034	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	571.14	
		For >10 To 25, Deduct	*-28.56*	
		For >25 To 50, Deduct	*-71.39*	
		For >50 To 100, Deduct	*-114.23*	
		For >100, Deduct	*-171.34*	
32 93 83 00-0035	EA	3" Caliper Balled And Burlapped Tree Planting	656.20	
		For >10 To 25, Deduct	*-32.81*	
		For >25 To 50, Deduct	*-82.03*	
		For >50 To 100, Deduct	*-131.24*	
		For >100, Deduct	*-196.86*	
32 93 83 00-0036	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	729.12	
		For >10 To 25, Deduct	*-36.46*	
		For >25 To 50, Deduct	*-91.14*	
		For >50 To 100, Deduct	*-145.82*	
		For >100, Deduct	*-218.74*	
32 93 83 00-0037	EA	4" Caliper Balled And Burlapped Tree Planting	836.05	
		For >10 To 25, Deduct	*-41.80*	
		For >25 To 50, Deduct	*-104.51*	
		For >50 To 100, Deduct	*-167.21*	
		For >100, Deduct	*-250.82*	
32 93 83 00-0038		Planting Shrubs *(32 93 83)*		
		Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0039	EA	1 Gallon Container Shrub Planting	20.67	
		For >10 To 25, Deduct	*-1.03*	
		For >25 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-4.13*	
		For >100, Deduct	*-6.20*	
32 93 83 00-0040	EA	2 Gallon Container Shrub Planting	29.16	
		For >10 To 25, Deduct	*-1.46*	
		For >25 To 50, Deduct	*-3.65*	
		For >50 To 100, Deduct	*-5.83*	
		For >100, Deduct	*-8.75*	
32 93 83 00-0041	EA	3 Gallon Container Shrub Planting	36.46	
		For >10 To 25, Deduct	*-1.82*	
		For >25 To 50, Deduct	*-4.56*	
		For >50 To 100, Deduct	*-7.29*	
		For >100, Deduct	*-10.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0042	EA	4 Gallon Container Shrub Planting	48.61	
		For >10 To 25, Deduct	*-2.43*	
		For >25 To 50, Deduct	*-6.08*	
		For >50 To 100, Deduct	*-9.72*	
		For >100, Deduct	*-14.58*	
32 93 83 00-0043	EA	5 Gallon Container Shrub Planting	60.76	
		For >10 To 25, Deduct	*-3.04*	
		For >25 To 50, Deduct	*-7.60*	
		For >50 To 100, Deduct	*-12.15*	
		For >100, Deduct	*-18.23*	
32 93 83 00-0044	EA	7 Gallon Container Shrub Planting	82.64	
		For >10 To 25, Deduct	*-4.13*	
		For >25 To 50, Deduct	*-10.33*	
		For >50 To 100, Deduct	*-16.53*	
		For >100, Deduct	*-24.79*	
32 93 83 00-0045	EA	10 Gallon Container Shrub Planting	109.36	
		For >10 To 25, Deduct	*-5.47*	
		For >25 To 50, Deduct	*-13.67*	
		For >50 To 100, Deduct	*-21.87*	
		For >100, Deduct	*-32.81*	
32 93 83 00-0046	EA	15 Gallon Container Shrub Planting	150.69	
		For >10 To 25, Deduct	*-7.53*	
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.14*	
		For >100, Deduct	*-45.21*	
32 93 83 00-0047	EA	20 Gallon Container Shrub Planting	252.76	
		For >10 To 25, Deduct	*-12.64*	
		For >25 To 50, Deduct	*-31.60*	
		For >50 To 100, Deduct	*-50.55*	
		For >100, Deduct	*-75.83*	
32 93 83 00-0048	EA	25 Gallon Container Shrub Planting	323.73	
		For >10 To 25, Deduct	*-16.19*	
		For >25 To 50, Deduct	*-40.47*	
		For >50 To 100, Deduct	*-64.75*	
		For >100, Deduct	*-97.12*	
32 93 83 00-0049	EA	15" Balled And Burlapped Shrub Planting	68.05	
		For >10 To 25, Deduct	*-3.40*	
		For >25 To 50, Deduct	*-8.51*	
		For >50 To 100, Deduct	*-13.61*	
		For >100, Deduct	*-20.42*	
32 93 83 00-0050	EA	18" Balled And Burlapped Shrub Planting	70.48	
		For >10 To 25, Deduct	*-3.52*	
		For >25 To 50, Deduct	*-8.81*	
		For >50 To 100, Deduct	*-14.10*	
		For >100, Deduct	*-21.14*	
32 93 83 00-0051	EA	24" Balled And Burlapped Shrub Planting	77.77	
		For >10 To 25, Deduct	*-3.89*	
		For >25 To 50, Deduct	*-9.72*	
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-23.33*	
32 93 83 00-0052	EA	30" Balled And Burlapped Shrub Planting	77.77	
		For >10 To 25, Deduct	*-3.89*	
		For >25 To 50, Deduct	*-9.72*	
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-23.33*	
32 93 83 00-0053	EA	36" Balled And Burlapped Shrub Planting	85.07	
		For >10 To 25, Deduct	*-4.25*	
		For >25 To 50, Deduct	*-10.63*	
		For >50 To 100, Deduct	*-17.01*	
		For >100, Deduct	*-25.52*	
32 93 83 00-0054	EA	42" Balled And Burlapped Shrub Planting	89.92	
		For >10 To 25, Deduct	*-4.50*	
		For >25 To 50, Deduct	*-11.24*	
		For >50 To 100, Deduct	*-17.98*	
		For >100, Deduct	*-26.98*	
32 93 83 00-0055	EA	48" Balled And Burlapped Shrub Planting	97.21	
		For >10 To 25, Deduct	*-4.86*	
		For >25 To 50, Deduct	*-12.15*	
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-29.16*	
32 93 83 00-0056	EA	5' Balled And Burlapped Shrub Planting	145.82	
		For >10 To 25, Deduct	*-7.29*	
		For >25 To 50, Deduct	*-18.23*	
		For >50 To 100, Deduct	*-29.16*	
		For >100, Deduct	*-43.75*	
32 93 83 00-0057	EA	6' Balled And Burlapped Shrub Planting	206.58	
		For >10 To 25, Deduct	*-10.33*	
		For >25 To 50, Deduct	*-25.82*	
		For >50 To 100, Deduct	*-41.32*	
		For >100, Deduct	*-61.97*	
32 93 83 00-0058	EA	7' Balled And Burlapped Shrub Planting	274.63	
		For >10 To 25, Deduct	*-13.73*	
		For >25 To 50, Deduct	*-34.33*	
		For >50 To 100, Deduct	*-54.93*	
		For >100, Deduct	*-82.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0059	EA	8' Balled And Burlapped Shrub Planting	311.09	
		For >10 To 25, Deduct	*-15.55*	
		For >25 To 50, Deduct	*-38.89*	
		For >50 To 100, Deduct	*-62.22*	
		For >100, Deduct	*-93.33*	
32 93 83 00-0060	EA	9' Balled And Burlapped Shrub Planting	335.40	
		For >10 To 25, Deduct	*-16.77*	
		For >25 To 50, Deduct	*-41.93*	
		For >50 To 100, Deduct	*-67.08*	
		For >100, Deduct	*-100.62*	
32 93 83 00-0061	EA	10' Balled And Burlapped Shrub Planting	364.56	
		For >10 To 25, Deduct	*-18.23*	
		For >25 To 50, Deduct	*-45.57*	
		For >50 To 100, Deduct	*-72.91*	
		For >100, Deduct	*-109.37*	

32 93 83 00-0062 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0063	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	2.03	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.61*	
32 93 83 00-0064	EA	3" Diameter Potted Groundcover And Flower Planting	2.32	
		For >10 To 25, Deduct	*-0.12*	
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.70*	
32 93 83 00-0065	EA	4" Diameter Potted Groundcover And Flower Planting	2.70	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.54*	
		For >100, Deduct	*-0.81*	
32 93 83 00-0066	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	3.24	
		For >10 To 25, Deduct	*-0.16*	
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.65*	
		For >100, Deduct	*-0.97*	
32 93 83 00-0067	EA	6" Diameter Potted Groundcover And Flower Planting	4.05	
		For >10 To 25, Deduct	*-0.20*	
		For >25 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.22*	
32 93 83 00-0068	EA	8" Diameter Potted Groundcover And Flower Planting	6.08	
		For >10 To 25, Deduct	*-0.30*	
		For >25 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-1.82*	
32 93 83 00-0069	EA	1 Gallon Container Groundcover And Flower Planting	19.44	
		For >10 To 25, Deduct	*-0.97*	
		For >25 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-3.89*	
		For >100, Deduct	*-5.83*	
32 93 83 00-0070	EA	2 Gallon Container Groundcover And Flower Planting	26.74	
		For >10 To 25, Deduct	*-1.34*	
		For >25 To 50, Deduct	*-3.34*	
		For >50 To 100, Deduct	*-5.35*	
		For >100, Deduct	*-8.02*	
32 93 83 00-0071	EA	3 Gallon Container Groundcover And Flower Planting	34.03	
		For >10 To 25, Deduct	*-1.70*	
		For >25 To 50, Deduct	*-4.25*	
		For >50 To 100, Deduct	*-6.81*	
		For >100, Deduct	*-10.21*	
32 93 83 00-0072	EA	4 Gallon Container Groundcover And Flower Planting	43.75	
		For >10 To 25, Deduct	*-2.19*	
		For >25 To 50, Deduct	*-5.47*	
		For >50 To 100, Deduct	*-8.75*	
		For >100, Deduct	*-13.13*	
32 93 83 00-0073	EA	5 Gallon Container Groundcover And Flower Planting	53.47	
		For >10 To 25, Deduct	*-2.67*	
		For >25 To 50, Deduct	*-6.68*	
		For >50 To 100, Deduct	*-10.69*	
		For >100, Deduct	*-16.04*	
32 93 83 00-0074	EA	7 Gallon Container Groundcover And Flower Planting	72.92	
		For >10 To 25, Deduct	*-3.65*	
		For >25 To 50, Deduct	*-9.12*	
		For >50 To 100, Deduct	*-14.58*	
		For >100, Deduct	*-21.88*	
32 93 83 00-0075	EA	Bulb Planting	1.21	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0076	EA	Flats Of 24 Groundcover And Flower Planting	34.03	
		For >10 To 25, Deduct	*-1.70*	
		For >25, Deduct	*-4.25*	
32 93 83 00-0077	EA	Flats Of 36 Groundcover And Flower Planting	48.26	
		For >10 To 25, Deduct	*-2.41*	
		For >25, Deduct	*-6.03*	
32 93 83 00-0078	EA	Flats Of 48 Groundcover And Flower Planting	64.25	
		For >10 To 25, Deduct	*-3.21*	
		For >25, Deduct	*-8.03*	

32 93 83 00-0079 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0080	EA	2' x 1-1/4' Deep Tree Pit	119.38	
32 93 83 00-0081	EA	2' x 2-1/2' Deep Tree Pit	179.04	
32 93 83 00-0082	EA	2-1/2' x 1-1/2' Deep Tree Pit	232.20	
32 93 83 00-0083	EA	2-1/2' x 3' Deep Tree Pit	348.22	
32 93 83 00-0084	EA	3' x 1-3/4' Deep Tree Pit	356.68	
32 93 83 00-0085	EA	3' x 3-1/2' Deep Tree Pit	532.01	
32 93 83 00-0086	EA	3-1/2' x 1-3/4' Deep Tree Pit	436.04	
32 93 83 00-0087	EA	3-1/2' x 3-1/2' Deep Tree Pit	653.07	
32 93 83 00-0088	EA	4' x 2' Deep Tree Pit	520.79	
32 93 83 00-0089	EA	4' x 4' Deep Tree Pit	780.72	
32 93 83 00-0090	EA	4-1/2' x 2' Deep Tree Pit	747.93	
32 93 83 00-0091	EA	4-1/2' x 4' Deep Tree Pit	1,124.32	
32 93 83 00-0092	EA	5' x 2-1/4' Deep Tree Pit	994.89	
32 93 83 00-0093	EA	5' x 4-1/2' Deep Tree Pit	1,480.93	
32 93 83 00-0094	EA	6' x 2-1/2' Deep Tree Pit	1,411.01	
32 93 83 00-0095	EA	6' x 5' Deep Tree Pit	2,113.09	
32 93 83 00-0096	EA	7' x 3' Deep Tree Pit	2,375.94	
32 93 83 00-0097	EA	7' x 6' Deep Tree Pit	3,584.67	
32 93 83 00-0098	EA	8' x 3-1/4' Deep Tree Pit	3,262.50	
32 93 83 00-0099	EA	8' x 6-1/2' Deep Tree Pit	4,891.47	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	6.10	1.24
		For >2,000 To 5,000 LF, Deduct	*-0.36*	
		For >5,000 LF, Deduct	*-0.72*	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	3.61	1.24
		For >2,000 To 5,000 LF, Deduct	*-0.11*	
		For >5,000 LF, Deduct	*-0.23*	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	3.68	1.24
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.24*	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	3.71	1.24
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.49	2.94
		For >1,000 LF, Deduct	*-1.15*	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.44	2.94
		For >1,000 LF, Deduct	*-1.39*	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.51	2.94
		For >1,000 LF, Deduct	*-1.41*	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.18	3.04
		For >1,000 LF, Deduct	*-1.79*	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.35	3.04
		For >1,000 LF, Deduct	*-2.08*	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.33	3.04
		For >1,000 LF, Deduct	*-2.07*	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.76	3.14
		For >1,000 LF, Deduct	*-1.39*	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	13.07	3.14
		For >1,000 LF, Deduct	*-1.72*	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.20	3.14
		For >1,000 LF, Deduct	*-1.75*	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.84	3.24
		For >1,000 LF, Deduct	*-2.12*	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.14	3.24
		For >1,000 LF, Deduct	*-2.44*	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.26	3.24
		For >1,000 LF, Deduct	*-2.47*	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	11.16	3.04
		For >1,000 LF, Deduct	*-1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.09	3.04
		For >1,000 LF, Deduct	*-1.75*	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.25	3.04
		For >1,000 LF, Deduct	*-3.04*	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	8.41	2.94
		For >1,000 LF, Deduct	*-0.63*	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	9.56	2.94
		For >1,000 LF, Deduct	*-0.92*	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	10.56	2.94
		For >1,000 LF, Deduct	*-1.17*	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	10.78	2.94
		For >1,000 LF, Deduct	*-1.23*	

32 94 13 00-0025 Concrete Band, Cast In Place *(32 94 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0026	LF	6" x 4" Concrete Band	16.97	8.93
		Note: Excludes base course.		
		For Up To 20, Add	*10.40*	
		For >20 To 50, Add	*5.90*	
		For >50 To 100, Add	*2.25*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000, Deduct	*-3.80*	
32 94 13 00-0027	LF	6" x 6" Concrete Band	20.20	10.51
		Note: Excludes base course.		
		For Up To 20, Add	*12.45*	
		For >20 To 50, Add	*7.06*	
		For >50 To 100, Add	*2.69*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000, Deduct	*-4.54*	
32 94 13 00-0028	LF	8" x 6" Concrete Band	23.28	120.88
		Note: Excludes base course.		
		For Up To 20, Add	*14.38*	
		For >20 To 50, Add	*8.16*	
		For >50 To 100, Add	*3.11*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-5.25*	
32 94 13 00-0029	LF	10" x 6" Concrete Band	25.81	131.39
		Note: Excludes base course.		
		For Up To 20, Add	*15.94*	
		For >20 To 50, Add	*9.05*	
		For >50 To 100, Add	*3.45*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000, Deduct	*-5.81*	
32 94 13 00-0030	LF	12" x 6" Concrete Band	26.77	13.67
		Note: Excludes base course.		
		For Up To 20, Add	*16.39*	
		For >20 To 50, Add	*9.30*	
		For >50 To 100, Add	*3.55*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000, Deduct	*-5.99*	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	1" x 4" Redwood Edging	5.32	1.75
32 94 16 00-0002	LF	2" x 4" Redwood Edging	7.30	2.62
32 94 16 00-0003	LF	3" x 4" Pressure Treated Landscape Timber	5.79	2.62
		Note: 2 rounded edges and 2 straight edges.		
32 94 16 00-0004	LF	3" x 5" Pressure Treated Landscape Timber	7.57	3.39
		Note: 2 rounded edges and 2 straight edges.		
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood	9.82	3.50
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood	12.75	4.37
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood	14.88	5.14
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine	3.98	1.75
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine	6.02	2.62
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine	9.34	3.39
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine	12.66	4.37
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine	15.44	5.14
32 94 16 00-0013	LF	6" x 8" Railroad Ties	15.03	4.79
32 94 16 00-0014	LF	7" x 9" Railroad Ties	18.07	6.02

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	1,054.48	62.72
		For >3 To 9, Deduct	*-69.68*	
		For >9, Deduct	*-144.00*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	1,223.38	62.72
		For >3 To 9, Deduct	*-82.34*	
		For >9, Deduct	*-170.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	1,476.33	83.63
		For >3 To 9, Deduct	*-98.18*	
		For >9, Deduct	*-202.91*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,843.96	83.63
		For >3 To 9, Deduct	*-125.75*	
		For >9, Deduct	*-259.89*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	2,365.19	104.54
		For >3 To 9, Deduct	*-161.71*	
		For >9, Deduct	*-334.20*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	2,476.54	125.45
		For >3 To 9, Deduct	*-166.92*	
		For >9, Deduct	*-344.98*	
32 94 43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Grate With Frame	2,732.40	125.45
		For >3 To 9, Deduct	*-186.11*	
		For >9, Deduct	*-384.64*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	3,634.31	177.72
		For >3 To 9, Deduct	*-245.92*	
		For >9, Deduct	*-508.23*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	3,783.35	177.72
		For >3 To 9, Deduct	*-257.09*	
		For >9, Deduct	*-531.33*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	3,907.55	177.72
		For >3 To 9, Deduct	*-266.41*	
		For >9, Deduct	*-550.58*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	4,006.91	177.72
		For >3 To 9, Deduct	*-273.86*	
		For >9, Deduct	*-565.98*	
32 94 43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Grate With Frame	4,081.43	177.72
		For >3 To 9, Deduct	*-279.45*	
		For >9, Deduct	*-577.53*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	4,472.05	209.08
		For >3 To 9, Deduct	*-304.04*	
		For >9, Deduct	*-628.35*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	970.01	62.72
		For >3 To 9, Deduct	*-63.34*	
		For >9, Deduct	*-130.91*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	1,181.15	62.72
		For >3 To 9, Deduct	*-79.18*	
		For >9, Deduct	*-163.63*	
32 94 43 00-0019	EA	48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,749.16	104.54
		For >3 To 9, Deduct	*-115.51*	
		For >9, Deduct	*-238.71*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	2,072.08	104.54
		For >3 To 9, Deduct	*-139.73*	
		For >9, Deduct	*-288.77*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	2,370.16	104.54
		For >3 To 9, Deduct	*-162.08*	
		For >9, Deduct	*-334.97*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	2,643.40	104.54
		For >3 To 9, Deduct	*-182.57*	
		For >9, Deduct	*-377.32*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	2,891.80	104.54
		For >3 To 9, Deduct	*-201.20*	
		For >9, Deduct	*-415.82*	
32 94 43 00-0024	EA	48" x 48", >400 LB Cast Iron Tree Grate With Frame	3,115.36	104.54
		For >3 To 9, Deduct	*-217.97*	
		For >9, Deduct	*-450.47*	
32 94 43 00-0025	EA	60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	2,975.44	146.36
		For >3 To 9, Deduct	*-201.20*	
		For >9, Deduct	*-415.82*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	3,199.00	146.36
		For >3 To 9, Deduct	*-217.97*	
		For >9, Deduct	*-450.47*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	3,397.72	146.36
		For >3 To 9, Deduct	*-232.88*	
		For >9, Deduct	*-481.28*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	3,571.60	146.36
		For >3 To 9, Deduct	*-245.92*	
		For >9, Deduct	*-508.23*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	3,720.64	146.36
		For >3 To 9, Deduct	*-257.09*	
		For >9, Deduct	*-531.33*	
32 94 43 00-0030	EA	60" x 60", >600 LB Cast Iron Tree Grate With Frame	3,844.84	146.36
		For >3 To 9, Deduct	*-266.41*	
		For >9, Deduct	*-550.58*	
32 94 43 00-0031	EA	72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	3,634.31	177.72
		For >3 To 9, Deduct	*-245.92*	
		For >9, Deduct	*-508.23*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	3,783.35	177.72
		For >3 To 9, Deduct	*-257.09*	
		For >9, Deduct	*-531.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0033	EA	72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	3,907.55	177.72
		For >3 To 9, Deduct	*-266.41*	
		For >9, Deduct	*-550.58*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	4,006.91	177.72
		For >3 To 9, Deduct	*-273.86*	
		For >9, Deduct	*-565.98*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	4,081.43	177.72
		For >3 To 9, Deduct	*-279.45*	
		For >9, Deduct	*-577.53*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	4,131.11	177.72
		For >3 To 9, Deduct	*-283.18*	
		For >9, Deduct	*-585.23*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	4,155.95	177.72
		For >3 To 9, Deduct	*-285.04*	
		For >9, Deduct	*-589.08*	
32 94 43 00-0038	EA	72" x 72", >850 LB Cast Iron Tree Grate With Frame	4,180.79	177.72
		For >3 To 9, Deduct	*-286.90*	
		For >9, Deduct	*-592.93*	
32 94 43 00-0039		Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0040	EA	36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	1,843.96	83.63
		For >3 To 9, Deduct	*-125.75*	
		For >9, Deduct	*-259.89*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	1,881.22	83.63
		For >3 To 9, Deduct	*-128.55*	
		For >9, Deduct	*-265.66*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	2,298.12	104.54
		For >3 To 9, Deduct	*-156.68*	
		For >9, Deduct	*-323.80*	
32 94 43 00-0043	EA	48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	2,712.95	104.54
		For >3 To 9, Deduct	*-187.79*	
		For >9, Deduct	*-388.10*	
32 94 43 00-0044	EA	48" x 72", >350 LB Cast Iron Tree Grate With Frame	2,891.80	104.54
		For >3 To 9, Deduct	*-201.20*	
		For >9, Deduct	*-415.82*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	3,857.87	177.72
		For >3 To 9, Deduct	*-262.68*	
		For >9, Deduct	*-542.88*	
32 94 46		**Tree Grids** *(32 94)*		
32 94 46 00-0001		Tree Wells *(32 94 46)*		
32 94 46 00-0002	EA	Type 1, Case 1 Tree Well, 4'-1" x 4'-1" x 3" Permeable Concrete Cover Note: Includes saw cutting, concrete removal, excavation, 3" permeable concrete tree well cover, premolded joint filler, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	952.21	104.54
32 94 46 00-0003	EA	Type 1, Case 2 Tree Well, 2'-11" x 5'-6" x 3" Permeable Concrete Cover Note: Includes saw cutting, concrete removal, excavation, 3" permeable concrete tree well cover, premolded joint filler, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	926.32	83.63
32 94 46 00-0004	EA	Type 2, Case 1 Tree Well, 4'-1" x 4'-1" x 3" "Manhole" Brick Cover Note: Includes saw cutting, concrete removal, excavation, manhole brick tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	1,148.31	104.54
32 94 46 00-0005	EA	Type 2, Case 2 Tree Well, 2'-11" x 5'-6" x 3" "Manhole" Brick Cover Note: Includes saw cutting, concrete removal, excavation, manhole brick tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	1,119.62	83.63
32 94 46 00-0006	EA	Type 3, Case 1 Tree Well, 4'-1" x 4'-1" x 3" Hollow Concrete Block Cover Note: Includes saw cutting, concrete removal, excavation, hollow concrete block tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	1,022.28	104.54
32 94 46 00-0007	EA	Type 3, Tree Well, 3' x 18" Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	204.96	
32 94 46 00-0008	EA	Type 3, Tree Well, 4' x 24" Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	310.21	
32 94 46 00-0009	EA	Type 3, Tree Well, 3' x 3' Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	382.67	
32 94 46 00-0010	EA	Type 3, Tree Well, 4' x 4' Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	577.14	
32 94 46 00-0011	EA	Type 4 Tree Well, 5' x 5' Cast Iron Grate With Frame Note: Includes saw cutting, concrete removal, excavation, cast iron grate with frame, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	4,169.23	
32 94 49		**Plant and Tree Accessories** *(32 94)*		
32 94 49 00-0001		Tree Guying *(32 94 49)*		
32 94 49 00-0002		Tree Guying, Stakes *(32 94 49 00-0001)* Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	25.59	
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	46.25	
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	79.47	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 49 00-0006		**Tree Guying, Anchors** *(32 94 49 00-0001)* Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	106.34	
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	143.32	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	182.87	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	237.27	
32 94 49 00-0011		**Tree Wrap** *(32 94 49)*		
32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.36	
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	12.24	
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	24.27	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	37.59	
32 94 49 00-0016		**Tree Guards** *(32 94 49)*		
32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	14.53	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	12.76	
32 94 49 00-0019		**Stake Out Tree And Shrub Locations** *(32 94 49)* Note: When no design available.		
32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.66	
32 94 49 00-0021		**Root Barriers** *(32 94 49)*		
32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	12.92	
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	18.31	
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	21.63	
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	40.54	
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	56.00	
32 94 49 00-0027		**Silva Cells** *(32 94 49)* Note: Excludes excavation, earthwork, crushed aggregate base, backfill, compaction, planting soil, tree and mulch. See CSI section 31 23 16 36-0001 for excavation, 31 23 16 36-0016 for backfill, 31 23 16 36-0020 for compaction, 32 11 16 16-0000 for crushed aggregate base, 32 91 13 16-0001 for mulch, 32 91 19 13-0010 for planting soil.		
32 94 49 00-0028	EA	48" x 24" x 30.9" High Silva Cell 2 - 2x System (DeepRoot SC2-2X) Note: Includes one SC2 base, one SC2 deck and six 2X posts.	391.24	
32 94 49 00-0029	EA	10" Long x 19/64" Diameter Galvanized Timber Spikes (DeepRoot SC Spike)	3.04	
32 94 49 00-0030	EA	25" Long Cable/Zip Ties (DeepRoot SC2-Cable ties)	0.93	
32 94 49 00-0031	SF	Bi/Uniaxial GeoGrid, Miragrid 2XT/ SG150 (DeepRoot SC2-GG 12-150)	0.71	
32 94 49 00-0032	SF	Woven PP Geotextile Fabric (DeepRoot GT-570)	0.79	
32 94 49 00-0033	EA	Strong Back, Silva Cell 2 (DeepRoot SC2-SB)	112.80	
32 94 49 00-0034	LF	18" x 2' Universal Tree Root Guide (DeepRoot UB 18-2)	12.91	

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 33 00-0001		**Moving Shrubs On Site, Relocate** *(32 96 33)* Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	83.00	
		For >25 To 50, Deduct	*-8.30*	
		For >50, Deduct	*-12.45*	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	112.30	
		For >25 To 50, Deduct	*-11.23*	
		For >50, Deduct	*-16.85*	
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	190.41	
		For >25 To 50, Deduct	*-19.04*	
		For >50, Deduct	*-28.56*	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	292.95	
		For >25 To 50, Deduct	*-29.30*	
		For >50, Deduct	*-43.94*	

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0001		**Moving Trees On Site, Relocate** *(32 96 43)* Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0968 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	312.29	
		For >5 To 10, Deduct	*-15.61*	
		For >10 To 20, Deduct	*-31.23*	
		For >20, Deduct	*-46.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	428.28	
		For >5 To 10, Deduct	*-21.41*	
		For >10 To 20, Deduct	*-42.83*	
		For >20, Deduct	*-64.24*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	693.96	
		For >5 To 10, Deduct	*-34.70*	
		For >10 To 20, Deduct	*-69.40*	
		For >20, Deduct	*-104.09*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,153.04	
		For >5 To 10, Deduct	*-57.65*	
		For >10 To 20, Deduct	*-115.30*	
		For >20, Deduct	*-172.96*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,873.69	
		For >5 To 10, Deduct	*-93.68*	
		For >10 To 20, Deduct	*-187.37*	
		For >20, Deduct	*-281.05*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	2,417.67	
		For >5 To 10, Deduct	*-120.88*	
		For >10 To 20, Deduct	*-241.77*	
		For >20, Deduct	*-362.65*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,122.83	
		For >5 To 10, Deduct	*-156.14*	
		For >10 To 20, Deduct	*-312.28*	
		For >20, Deduct	*-468.42*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	3,747.39	
		For >5 To 10, Deduct	*-187.37*	
		For >10 To 20, Deduct	*-374.74*	
		For >20, Deduct	*-562.11*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	4,258.40	
		For >5 To 10, Deduct	*-212.92*	
		For >10 To 20, Deduct	*-425.84*	
		For >20, Deduct	*-638.76*	

END OF SECTION 32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,103.96	
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	551.98	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.42	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.11*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.63	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.16*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.83	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.12*	
		For >2,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.21*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.97	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.15*	
		For >2,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.24*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.28	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.32*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.44	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.36*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.65	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.25*	
		For >2,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.41*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.95	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.29*	
		For >2,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.49*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.51	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 2,000, Deduct	*-0.38*	
		For >2,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.63*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.68	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.55*	
		For >2,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-0.92*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	5.09	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000 To 2,000, Deduct	*-0.76*	
		For >2,000 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.27*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.

33 01 10 71-0002 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 10 71-0001)*

33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,414.69
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location	2,165.88

33 01 10 71-0005 Lining Pipe With Cement *(33 01 10 71-0001)*

33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	63.33
		For 3/16" Thickness, Add	*1.03*
		For 1/4" Thickness, Add	*2.06*
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	56.41
		For 3/16" Thickness, Add	*1.03*
		For 1/4" Thickness, Add	*2.06*
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	47.14
		For 3/16" Thickness, Add	*1.03*
		For 1/4" Thickness, Add	*2.06*
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	35.50
		For 3/16" Thickness, Add	*1.03*
		For 1/4" Thickness, Add	*2.06*
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	65.93
		For 3/16" Thickness, Add	*1.54*
		For 1/4" Thickness, Add	*3.07*
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	58.74
		For 3/16" Thickness, Add	*1.54*
		For 1/4" Thickness, Add	*3.07*
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	49.15
		For 3/16" Thickness, Add	*1.54*
		For 1/4" Thickness, Add	*3.07*
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	37.35
		For 3/16" Thickness, Add	*1.54*
		For 1/4" Thickness, Add	*3.07*
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	68.42
		For 3/16" Thickness, Add	*2.05*
		For 1/4" Thickness, Add	*4.09*
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	61.09
		For 3/16" Thickness, Add	*2.05*
		For 1/4" Thickness, Add	*4.09*
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	51.18
		For 3/16" Thickness, Add	*2.05*
		For 1/4" Thickness, Add	*4.09*
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	39.22
		For 3/16" Thickness, Add	*2.05*
		For 1/4" Thickness, Add	*4.09*
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	70.36
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	62.90
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	52.86
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	41.11
		For 3/16" Thickness, Add	*2.57*
		For 1/4" Thickness, Add	*5.13*
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	76.09
		For 3/16" Thickness, Add	*3.08*
		For 1/4" Thickness, Add	*6.15*
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	68.17
		For 3/16" Thickness, Add	*3.08*
		For 1/4" Thickness, Add	*6.15*
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	57.47
		For 3/16" Thickness, Add	*3.08*
		For 1/4" Thickness, Add	*6.15*
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	44.77
		For 3/16" Thickness, Add	*3.08*
		For 1/4" Thickness, Add	*6.15*
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	82.33
		For 1/4" Thickness, Add	*3.42*
		For 5/16" Thickness, Add	*6.84*
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	74.10
		For 1/4" Thickness, Add	*3.42*
		For 5/16" Thickness, Add	*6.84*
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	62.96
		For 1/4" Thickness, Add	*3.42*
		For 5/16" Thickness, Add	*6.84*
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	50.79
		For 1/4" Thickness, Add	*3.42*
		For 5/16" Thickness, Add	*6.84*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	86.48	
		For 1/4" Thickness, Add	*4.10*	
		For 5/16" Thickness, Add	*8.20*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	78.00	
		For 1/4" Thickness, Add	*4.10*	
		For 5/16" Thickness, Add	*8.20*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	66.48	
		For 1/4" Thickness, Add	*4.10*	
		For 5/16" Thickness, Add	*8.20*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	54.94	
		For 1/4" Thickness, Add	*4.10*	
		For 5/16" Thickness, Add	*8.20*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	91.61	
		For 1/4" Thickness, Add	*4.79*	
		For 5/16" Thickness, Add	*9.57*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	82.84	
		For 1/4" Thickness, Add	*4.79*	
		For 5/16" Thickness, Add	*9.57*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	70.76	
		For 1/4" Thickness, Add	*4.79*	
		For 5/16" Thickness, Add	*9.57*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	59.96	
		For 1/4" Thickness, Add	*4.79*	
		For 5/16" Thickness, Add	*9.57*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	96.83	
		For 1/4" Thickness, Add	*5.47*	
		For 5/16" Thickness, Add	*10.94*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	87.69	
		For 1/4" Thickness, Add	*5.47*	
		For 5/16" Thickness, Add	*10.94*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	75.24	
		For 1/4" Thickness, Add	*5.47*	
		For 5/16" Thickness, Add	*10.94*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	65.19	
		For 1/4" Thickness, Add	*5.47*	
		For 5/16" Thickness, Add	*10.94*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	104.00	
		For 1/4" Thickness, Add	*6.84*	
		For 5/16" Thickness, Add	*13.67*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	94.33	
		For 1/4" Thickness, Add	*6.84*	
		For 5/16" Thickness, Add	*13.67*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	81.14	
		For 1/4" Thickness, Add	*6.84*	
		For 5/16" Thickness, Add	*13.67*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	70.99	
		For 1/4" Thickness, Add	*6.84*	
		For 5/16" Thickness, Add	*13.67*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	111.07	
		For 1/4" Thickness, Add	*8.21*	
		For 5/16" Thickness, Add	*16.41*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	100.99	
		For 1/4" Thickness, Add	*8.21*	
		For 5/16" Thickness, Add	*16.41*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	87.05	
		For 1/4" Thickness, Add	*8.21*	
		For 5/16" Thickness, Add	*16.41*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	76.78	
		For 1/4" Thickness, Add	*8.21*	
		For 5/16" Thickness, Add	*16.41*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	137.56	
		For 3/8" Thickness, Add	*21.54*	
		For 7/16" Thickness, Add	*32.30*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	126.57	
		For 3/8" Thickness, Add	*21.54*	
		For 7/16" Thickness, Add	*32.30*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	111.43	
		For 3/8" Thickness, Add	*21.54*	
		For 7/16" Thickness, Add	*32.30*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	100.84	
		For 3/8" Thickness, Add	*21.54*	
		For 7/16" Thickness, Add	*32.30*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	151.65	
		For 3/8" Thickness, Add	*24.61*	
		For 7/16" Thickness, Add	*36.92*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	139.89	
		For 3/8" Thickness, Add	*24.61*	
		For 7/16" Thickness, Add	*36.92*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	123.61	
		For 3/8" Thickness, Add	*24.61*	
		For 7/16" Thickness, Add	*36.92*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	112.82	
		For 3/8" Thickness, Add	*24.61*	
		For 7/16" Thickness, Add	*36.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	159.71	
		For 3/8" Thickness, Add	*27.69*	
		For 7/16" Thickness, Add	*41.53*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	147.69	
		For 3/8" Thickness, Add	*27.69*	
		For 7/16" Thickness, Add	*41.53*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	131.03	
		For 3/8" Thickness, Add	*27.69*	
		For 7/16" Thickness, Add	*41.53*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	120.66	
		For 3/8" Thickness, Add	*27.69*	
		For 7/16" Thickness, Add	*41.53*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	167.77	
		For 3/8" Thickness, Add	*30.77*	
		For 7/16" Thickness, Add	*46.15*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	155.54	
		For 3/8" Thickness, Add	*30.77*	
		For 7/16" Thickness, Add	*46.15*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	138.57	
		For 3/8" Thickness, Add	*30.77*	
		For 7/16" Thickness, Add	*46.15*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	128.51	
		For 3/8" Thickness, Add	*30.77*	
		For 7/16" Thickness, Add	*46.15*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	176.14	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.76*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	163.66	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.76*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	146.41	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.76*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	137.10	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.76*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	184.94	
		For 3/8" Thickness, Add	*36.92*	
		For 7/16" Thickness, Add	*55.37*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	172.23	
		For 3/8" Thickness, Add	*36.92*	
		For 7/16" Thickness, Add	*55.37*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	154.57	
		For 3/8" Thickness, Add	*36.92*	
		For 7/16" Thickness, Add	*55.37*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	145.78	
		For 3/8" Thickness, Add	*36.92*	
		For 7/16" Thickness, Add	*55.37*	

33 01 10 71-0074 Lining Pipe With Epoxy *(33 01 10 71-0001)*

33 01 10 71-0075	LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	59.81
33 01 10 71-0076	LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	53.43
33 01 10 71-0077	LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.90
33 01 10 71-0078	LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	40.63
33 01 10 71-0079	LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	62.94
33 01 10 71-0080	LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	56.35
33 01 10 71-0081	LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	47.52
33 01 10 71-0082	LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	43.08
33 01 10 71-0083	LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.02
33 01 10 71-0084	LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	59.27
33 01 10 71-0085	LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	50.13
33 01 10 71-0086	LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	45.65
33 01 10 71-0087	LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	63.10
33 01 10 71-0088	LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.70
33 01 10 71-0089	LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.46
33 01 10 71-0090	LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	47.88
33 01 10 71-0091	LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	74.60
33 01 10 71-0092	LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.30
33 01 10 71-0093	LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.45
33 01 10 71-0094	LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.48
33 01 10 71-0095	LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	79.14
33 01 10 71-0096	LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.55
33 01 10 71-0097	LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.31
33 01 10 71-0098	LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	56.13
33 01 10 71-0099	LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.61
33 01 10 71-0100	LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	75.81
33 01 10 71-0101	LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	65.21
33 01 10 71-0102	LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	59.86
33 01 10 71-0103	LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	89.02
33 01 10 71-0104	LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	80.93
33 01 10 71-0105	LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.82
33 01 10 71-0106	LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0107	LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	94.48	
33 01 10 71-0108	LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	86.08	
33 01 10 71-0109	LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	74.62	
33 01 10 71-0110	LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.89	
33 01 10 71-0111	LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	102.44	
33 01 10 71-0112	LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	93.53	
33 01 10 71-0113	LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	81.42	
33 01 10 71-0114	LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	75.27	
33 01 10 71-0115	LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	110.29	
33 01 10 71-0116	LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	101.01	
33 01 10 71-0117	LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	88.20	
33 01 10 71-0118	LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	81.84	
33 01 10 71-0119	LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	122.63	
33 01 10 71-0120	LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	112.71	
33 01 10 71-0121	LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	98.78	
33 01 10 71-0122	LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	91.88	
33 01 10 71-0123	LF	Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	135.27	
33 01 10 71-0124	LF	>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	124.44	
33 01 10 71-0125	LF	>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	109.48	
33 01 10 71-0126	LF	>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	102.07	
33 01 10 71-0127	LF	Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	142.14	
33 01 10 71-0128	LF	>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	131.08	
33 01 10 71-0129	LF	>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	115.76	
33 01 10 71-0130	LF	>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	108.15	
33 01 10 71-0131	LF	Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	148.98	
33 01 10 71-0132	LF	>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	137.74	
33 01 10 71-0133	LF	>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	122.13	
33 01 10 71-0134	LF	>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	114.03	

33 01 10 71-0135 Water House Connection *(33 01 10 71-0001)*

33 01 10 71-0136	EA	Blow Out Line To Water House Connection After Lining	55.20	

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	945.41	
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,890.81	
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,836.22	
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	472.70	
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	945.41	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.39	
		For >500 To 1,000, Deduct		*-0.24*
		For >1,000 To 5,000, Deduct		*-0.60*
		For >5,000, Deduct		*-0.84*
		For Inspection Not Requiring Pre-cleaning, Deduct		*-0.36*
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.20	
		For >500 To 1,000, Deduct		*-0.32*
		For >1,000 To 5,000, Deduct		*-0.80*
		For >5,000, Deduct		*-1.12*
		For Inspection Not Requiring Pre-cleaning, Deduct		*-0.48*
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	4.00	
		For >500 To 1,000, Deduct		*-0.40*
		For >1,000 To 5,000, Deduct		*-1.00*
		For >5,000, Deduct		*-1.40*
		For Inspection Not Requiring Pre-cleaning, Deduct		*-0.60*
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.32	
		For >500 To 1,000, Deduct		*-0.53*
		For >1,000 To 5,000, Deduct		*-1.33*
		For >5,000, Deduct		*-1.86*
		For Inspection Not Requiring Pre-cleaning, Deduct		*-0.80*
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	7.49	
		For >500 To 1,000, Deduct		*-0.75*
		For >1,000 To 5,000, Deduct		*-1.87*
		For >5,000, Deduct		*-2.62*
		For Inspection Not Requiring Pre-cleaning, Deduct		*-1.12*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	9.99	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.50*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-1.50*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	14.09	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 5,000, Deduct	*-3.52*	
		For >5,000, Deduct	*-4.93*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-2.11*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	19.97	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000 To 5,000, Deduct	*-4.99*	
		For >5,000, Deduct	*-6.99*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-3.00*	
33 01 30 11-0017		Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.55	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.24*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.73	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.66*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.91	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.07*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	7.88	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-2.76*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	11.08	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 5,000, Deduct	*-2.77*	
		For >5,000, Deduct	*-3.88*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	14.77	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 5,000, Deduct	*-3.69*	
		For >5,000, Deduct	*-5.17*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	20.86	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000 To 5,000, Deduct	*-5.22*	
		For >5,000, Deduct	*-7.30*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	29.55	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000 To 5,000, Deduct	*-7.39*	
		For >5,000, Deduct	*-10.34*	
33 01 30 11-0026		Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.53	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.89*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.38	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.18*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.22	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-1.48*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.63	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	7.91	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.98*	
		For >5,000, Deduct	*-2.77*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	10.56	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000 To 5,000, Deduct	*-2.64*	
		For >5,000, Deduct	*-3.70*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	14.89	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000 To 5,000, Deduct	*-3.72*	
		For >5,000, Deduct	*-5.21*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	21.10	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000 To 5,000, Deduct	*-5.28*	
		For >5,000, Deduct	*-7.39*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	400.67
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	470.39
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	587.96

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.

33 01 30 23-0007 Pipe Bursting Equipment Set-up *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	7,045.50
33 01 30 23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	10,568.26
33 01 30 23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	17,613.77
33 01 30 23-0011	EA	Move And Reset Up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	2,642.06
33 01 30 23-0012	EA	Move And Reset Up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	3,963.10
33 01 30 23-0013	EA	Move And Reset Up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	6,605.16
33 01 30 23-0014	EA	Set Up/Move Pipe Bursting Equipment For Laterals	1,761.38

33 01 30 23-0015 Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	25.70	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.00*	
		For >150 To 200, Add	*1.20*	
		For >100 To 150, Add	*2.40*	
		For >75 To 100, Add	*3.60*	
		For >50 To 75, Add	*4.80*	
		For >25 To 50, Add	*6.40*	
		For Up To 25, Add	*8.81*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.00*	
		For Bursting Ductile Iron Pipe, Add	*6.74*	
33 01 30 23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	29.54	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.48*	
		For >150 To 200, Add	*1.49*	
		For >100 To 150, Add	*2.98*	
		For >75 To 100, Add	*4.47*	
		For >50 To 75, Add	*5.96*	
		For >25 To 50, Add	*7.94*	
		For Up To 25, Add	*10.92*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.48*	
		For Bursting Ductile Iron Pipe, Add	*8.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0018	LF	8" Diameter, Pneumatic Head Pipe Bursting	33.15	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.93*	
		For >150 To 200, Add	*1.76*	
		For >100 To 150, Add	*3.52*	
		For >75 To 100, Add	*5.28*	
		For >50 To 75, Add	*7.04*	
		For >25 To 50, Add	*9.38*	
		For Up To 25, Add	*12.90*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.93*	
		For Bursting Ductile Iron Pipe, Add	*9.20*	
33 01 30 23-0019	LF	10" Diameter, Pneumatic Head Pipe Bursting	37.82	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.52*	
		For >150 To 200, Add	*2.11*	
		For >100 To 150, Add	*4.22*	
		For >75 To 100, Add	*6.33*	
		For >50 To 75, Add	*8.44*	
		For >25 To 50, Add	*11.25*	
		For Up To 25, Add	*15.47*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.52*	
		For Bursting Ductile Iron Pipe, Add	*10.74*	
33 01 30 23-0020	LF	12" Diameter, Pneumatic Head Pipe Bursting	43.18	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.19*	
		For >150 To 200, Add	*2.51*	
		For >100 To 150, Add	*5.02*	
		For >75 To 100, Add	*7.54*	
		For >50 To 75, Add	*10.05*	
		For >25 To 50, Add	*13.40*	
		For Up To 25, Add	*18.42*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.19*	
		For Bursting Ductile Iron Pipe, Add	*12.51*	
33 01 30 23-0021	LF	15" Diameter, Pneumatic Head Pipe Bursting	47.96	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.32*	
		For >150 To 200, Add	*2.59*	
		For >100 To 150, Add	*5.19*	
		For >75 To 100, Add	*7.78*	
		For >50 To 75, Add	*10.37*	
		For >25 To 50, Add	*13.83*	
		For Up To 25, Add	*19.01*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.32*	
		For Bursting Ductile Iron Pipe, Add	*13.42*	
33 01 30 23-0022	LF	18" Diameter, Pneumatic Head Pipe Bursting	53.35	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.00*	
		For >150 To 200, Add	*3.00*	
		For >100 To 150, Add	*5.99*	
		For >75 To 100, Add	*8.99*	
		For >50 To 75, Add	*11.99*	
		For >25 To 50, Add	*15.98*	
		For Up To 25, Add	*21.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.00*	
		For Bursting Ductile Iron Pipe, Add	*15.20*	
33 01 30 23-0023	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	67.63	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.94*	
		For >150 To 200, Add	*3.56*	
		For >100 To 150, Add	*7.13*	
		For >75 To 100, Add	*10.69*	
		For >50 To 75, Add	*14.26*	
		For >25 To 50, Add	*19.01*	
		For Up To 25, Add	*26.14*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.94*	
		For Bursting Ductile Iron Pipe, Add	*18.70*	
33 01 30 23-0024	LF	24" Diameter, Pneumatic Head Pipe Bursting	82.91	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.85*	
		For >150 To 200, Add	*4.71*	
		For >100 To 150, Add	*9.42*	
		For >75 To 100, Add	*14.13*	
		For >50 To 75, Add	*18.84*	
		For >25 To 50, Add	*25.12*	
		For Up To 25, Add	*34.55*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.85*	
		For Bursting Ductile Iron Pipe, Add	*23.74*	
33 01 30 23-0025	LF	30" Diameter, Pneumatic Head Pipe Bursting	91.94	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.15*	
		For >150 To 200, Add	*4.89*	
		For >100 To 150, Add	*9.77*	
		For >75 To 100, Add	*14.66*	
		For >50 To 75, Add	*19.55*	
		For >25 To 50, Add	*26.06*	
		For Up To 25, Add	*35.84*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.15*	
		For Bursting Ductile Iron Pipe, Add	*25.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0026	LF	36" Diameter, Pneumatic Head Pipe Bursting	117.80	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*11.38*	
		For >150 To 200, Add	*6.83*	
		For >100 To 150, Add	*13.65*	
		For >75 To 100, Add	*20.48*	
		For >50 To 75, Add	*27.31*	
		For >25 To 50, Add	*36.41*	
		For Up To 25, Add	*50.06*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*11.38*	
		For Bursting Ductile Iron Pipe, Add	*34.05*	
33 01 30 23-0027		Static Head Pipe Bursting *(33 01 30 23-0006)*		
33 01 30 23-0028	LF	4" Diameter, Static Head Pipe Bursting	33.50	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.98*	
		For >150 To 200, Add	*1.79*	
		For >100 To 150, Add	*3.57*	
		For >75 To 100, Add	*5.36*	
		For >50 To 75, Add	*7.14*	
		For >25 To 50, Add	*9.52*	
		For Up To 25, Add	*13.10*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.98*	
		For Bursting Ductile Iron Pipe, Add	*9.31*	
33 01 30 23-0029	LF	6" Diameter, Static Head Pipe Bursting	37.37	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.46*	
		For >150 To 200, Add	*2.08*	
		For >100 To 150, Add	*4.15*	
		For >75 To 100, Add	*6.23*	
		For >50 To 75, Add	*8.30*	
		For >25 To 50, Add	*11.07*	
		For Up To 25, Add	*15.22*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.46*	
		For Bursting Ductile Iron Pipe, Add	*10.59*	
33 01 30 23-0030	LF	8" Diameter, Static Head Pipe Bursting	41.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.02*	
		For >150 To 200, Add	*2.41*	
		For >100 To 150, Add	*4.82*	
		For >75 To 100, Add	*7.23*	
		For >50 To 75, Add	*9.65*	
		For >25 To 50, Add	*12.86*	
		For Up To 25, Add	*17.68*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.02*	
		For Bursting Ductile Iron Pipe, Add	*12.06*	
33 01 30 23-0031	LF	10" Diameter, Static Head Pipe Bursting	47.66	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.75*	
		For >150 To 200, Add	*2.85*	
		For >100 To 150, Add	*5.70*	
		For >75 To 100, Add	*8.54*	
		For >50 To 75, Add	*11.39*	
		For >25 To 50, Add	*15.19*	
		For Up To 25, Add	*20.88*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.75*	
		For Bursting Ductile Iron Pipe, Add	*13.98*	
33 01 30 23-0032	LF	12" Diameter, Static Head Pipe Bursting	54.36	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.58*	
		For >150 To 200, Add	*3.35*	
		For >100 To 150, Add	*6.70*	
		For >75 To 100, Add	*10.05*	
		For >50 To 75, Add	*13.40*	
		For >25 To 50, Add	*17.87*	
		For Up To 25, Add	*24.57*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.58*	
		For Bursting Ductile Iron Pipe, Add	*16.19*	
33 01 30 23-0033	LF	15" Diameter, Static Head Pipe Bursting	62.39	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.13*	
		For >150 To 200, Add	*3.68*	
		For >100 To 150, Add	*7.35*	
		For >75 To 100, Add	*11.03*	
		For >50 To 75, Add	*14.70*	
		For >25 To 50, Add	*19.60*	
		For Up To 25, Add	*26.95*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.13*	
		For Bursting Ductile Iron Pipe, Add	*18.18*	
33 01 30 23-0034	LF	18" Diameter, Static Head Pipe Bursting	68.85	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.93*	
		For >150 To 200, Add	*4.16*	
		For >100 To 150, Add	*8.32*	
		For >75 To 100, Add	*12.48*	
		For >50 To 75, Add	*16.64*	
		For >25 To 50, Add	*22.18*	
		For Up To 25, Add	*30.50*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.93*	
		For Bursting Ductile Iron Pipe, Add	*20.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0035	LF	21"/22" Diameter, Static Head Pipe Bursting	86.50	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.30*	
		For >150 To 200, Add	*4.98*	
		For >100 To 150, Add	*9.96*	
		For >75 To 100, Add	*14.94*	
		For >50 To 75, Add	*19.92*	
		For >25 To 50, Add	*26.56*	
		For Up To 25, Add	*36.52*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.30*	
		For Bursting Ductile Iron Pipe, Add	*24.93*	
33 01 30 23-0036	LF	24" Diameter, Static Head Pipe Bursting	111.22	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*11.39*	
		For >150 To 200, Add	*6.83*	
		For >100 To 150, Add	*13.67*	
		For >75 To 100, Add	*20.50*	
		For >50 To 75, Add	*27.34*	
		For >25 To 50, Add	*36.45*	
		For Up To 25, Add	*50.12*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*11.39*	
		For Bursting Ductile Iron Pipe, Add	*33.08*	
33 01 30 23-0037	LF	30" Diameter, Static Head Pipe Bursting	135.66	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*13.61*	
		For >150 To 200, Add	*8.17*	
		For >100 To 150, Add	*16.33*	
		For >75 To 100, Add	*24.50*	
		For >50 To 75, Add	*32.66*	
		For >25 To 50, Add	*43.55*	
		For Up To 25, Add	*59.88*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*13.61*	
		For Bursting Ductile Iron Pipe, Add	*39.95*	
33 01 30 23-0038	LF	36" Diameter, Static Head Pipe Bursting	163.28	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*17.06*	
		For >150 To 200, Add	*10.24*	
		For >100 To 150, Add	*20.48*	
		For >75 To 100, Add	*30.71*	
		For >50 To 75, Add	*40.95*	
		For >25 To 50, Add	*54.60*	
		For Up To 25, Add	*75.08*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*17.06*	
		For Bursting Ductile Iron Pipe, Add	*49.06*	

33 01 30 23-0039 Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0040	LF	4" Diameter, Hydraulic Head Pipe Bursting	29.27	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.45*	
		For >150 To 200, Add	*1.47*	
		For >100 To 150, Add	*2.94*	
		For >75 To 100, Add	*4.41*	
		For >50 To 75, Add	*5.87*	
		For >25 To 50, Add	*7.83*	
		For Up To 25, Add	*10.77*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.45*	
		For Bursting Ductile Iron Pipe, Add	*7.91*	
33 01 30 23-0041	LF	6" Diameter, Hydraulic Head Pipe Bursting	32.69	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.88*	
		For >150 To 200, Add	*1.73*	
		For >100 To 150, Add	*3.45*	
		For >75 To 100, Add	*5.18*	
		For >50 To 75, Add	*6.90*	
		For >25 To 50, Add	*9.20*	
		For Up To 25, Add	*12.65*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.88*	
		For Bursting Ductile Iron Pipe, Add	*9.04*	
33 01 30 23-0042	LF	8" Diameter, Hydraulic Head Pipe Bursting	36.63	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.37*	
		For >150 To 200, Add	*2.02*	
		For >100 To 150, Add	*4.04*	
		For >75 To 100, Add	*6.06*	
		For >50 To 75, Add	*8.08*	
		For >25 To 50, Add	*10.78*	
		For Up To 25, Add	*14.82*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.37*	
		For Bursting Ductile Iron Pipe, Add	*10.34*	
33 01 30 23-0043	LF	10" Diameter, Hydraulic Head Pipe Bursting	41.74	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.01*	
		For >150 To 200, Add	*2.40*	
		For >100 To 150, Add	*4.81*	
		For >75 To 100, Add	*7.21*	
		For >50 To 75, Add	*9.62*	
		For >25 To 50, Add	*12.82*	
		For Up To 25, Add	*17.63*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.01*	
		For Bursting Ductile Iron Pipe, Add	*12.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0044	LF	12" Diameter, Hydraulic Head Pipe Bursting	47.66	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.75*	
		For >150 To 200, Add	*2.85*	
		For >100 To 150, Add	*5.70*	
		For >75 To 100, Add	*8.54*	
		For >50 To 75, Add	*11.39*	
		For >25 To 50, Add	*15.19*	
		For Up To 25, Add	*20.88*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.75*	
		For Bursting Ductile Iron Pipe, Add	*13.98*	
33 01 30 23-0045	LF	15" Diameter, Hydraulic Head Pipe Bursting	54.57	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.15*	
		For >150 To 200, Add	*3.09*	
		For >100 To 150, Add	*6.18*	
		For >75 To 100, Add	*9.27*	
		For >50 To 75, Add	*12.35*	
		For >25 To 50, Add	*16.47*	
		For Up To 25, Add	*22.65*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.15*	
		For Bursting Ductile Iron Pipe, Add	*15.60*	
33 01 30 23-0046	LF	18" Diameter, Hydraulic Head Pipe Bursting	60.90	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.94*	
		For >150 To 200, Add	*3.56*	
		For >100 To 150, Add	*7.13*	
		For >75 To 100, Add	*10.69*	
		For >50 To 75, Add	*14.25*	
		For >25 To 50, Add	*19.00*	
		For Up To 25, Add	*26.13*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.94*	
		For Bursting Ductile Iron Pipe, Add	*17.69*	
33 01 30 23-0047	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	77.00	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.11*	
		For >150 To 200, Add	*4.27*	
		For >100 To 150, Add	*8.54*	
		For >75 To 100, Add	*12.80*	
		For >50 To 75, Add	*17.07*	
		For >25 To 50, Add	*22.76*	
		For Up To 25, Add	*31.30*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.11*	
		For Bursting Ductile Iron Pipe, Add	*21.79*	
33 01 30 23-0048	LF	24" Diameter, Hydraulic Head Pipe Bursting	99.71	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.95*	
		For >150 To 200, Add	*5.97*	
		For >100 To 150, Add	*11.94*	
		For >75 To 100, Add	*17.91*	
		For >50 To 75, Add	*23.88*	
		For >25 To 50, Add	*31.84*	
		For Up To 25, Add	*43.79*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.95*	
		For Bursting Ductile Iron Pipe, Add	*29.29*	
33 01 30 23-0049	LF	30" Diameter, Hydraulic Head Pipe Bursting	122.77	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.00*	
		For >150 To 200, Add	*7.20*	
		For >100 To 150, Add	*14.40*	
		For >75 To 100, Add	*21.60*	
		For >50 To 75, Add	*28.80*	
		For >25 To 50, Add	*38.40*	
		For Up To 25, Add	*52.79*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.00*	
		For Bursting Ductile Iron Pipe, Add	*35.69*	
33 01 30 23-0050	LF	36" Diameter, Hydraulic Head Pipe Bursting	149.02	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*15.28*	
		For >150 To 200, Add	*9.17*	
		For >100 To 150, Add	*18.34*	
		For >75 To 100, Add	*27.50*	
		For >50 To 75, Add	*36.67*	
		For >25 To 50, Add	*48.90*	
		For Up To 25, Add	*67.23*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*15.28*	
		For Bursting Ductile Iron Pipe, Add	*44.36*	

33 01 30 23-0051 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0052 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0051)*
Note: Per each joint.

33 01 30 23-0053	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	129.54
33 01 30 23-0054	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	148.63
33 01 30 23-0055	EA	>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	177.26

33 01 30 23-0056 High Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0051)*
Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0057	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.36	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.67*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.83*	
		For White Interior Pipe, Add	*1.23*	
		For Gray Interior Pipe, Add	*0.94*	
33 01 30 23-0058	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.33	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.02*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.77*	
		For White Interior Pipe, Add	*1.87*	
		For Gray Interior Pipe, Add	*1.42*	
33 01 30 23-0059	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	9.78	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.45*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.95*	
		For White Interior Pipe, Add	*2.67*	
		For Gray Interior Pipe, Add	*2.02*	
33 01 30 23-0060	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.09	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.68*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*4.57*	
		For White Interior Pipe, Add	*3.08*	
		For Gray Interior Pipe, Add	*2.34*	
33 01 30 23-0061	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	15.45	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.46*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*6.68*	
		For White Interior Pipe, Add	*4.51*	
		For Gray Interior Pipe, Add	*3.42*	
33 01 30 23-0062	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	23.07	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.82*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*10.38*	
		For White Interior Pipe, Add	*7.01*	
		For Gray Interior Pipe, Add	*5.31*	
33 01 30 23-0063	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	31.76	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.37*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*14.60*	
		For White Interior Pipe, Add	*9.85*	
		For Gray Interior Pipe, Add	*7.47*	
33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	34.81	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.91*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*16.07*	
		For White Interior Pipe, Add	*10.84*	
		For Gray Interior Pipe, Add	*8.22*	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	38.01	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-6.48*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*17.61*	
		For White Interior Pipe, Add	*11.88*	
		For Gray Interior Pipe, Add	*9.00*	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	49.16	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.47*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*23.00*	
		For White Interior Pipe, Add	*15.52*	
		For Gray Interior Pipe, Add	*11.76*	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	61.83	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-10.72*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*29.12*	
		For White Interior Pipe, Add	*19.65*	
		For Gray Interior Pipe, Add	*14.89*	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	75.95	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.23*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*35.95*	
		For White Interior Pipe, Add	*24.26*	
		For Gray Interior Pipe, Add	*18.38*	
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	91.55	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-16.01*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*43.49*	
		For White Interior Pipe, Add	*29.35*	
		For Gray Interior Pipe, Add	*22.23*	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	108.72	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-19.06*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*51.78*	
		For White Interior Pipe, Add	*34.94*	
		For Gray Interior Pipe, Add	*26.47*	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	127.27	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-22.35*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*60.72*	
		For White Interior Pipe, Add	*40.98*	
		For Gray Interior Pipe, Add	*31.04*	
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	147.46	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-25.93*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*70.44*	
		For White Interior Pipe, Add	*47.54*	
		For Gray Interior Pipe, Add	*36.01*	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	169.16	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-29.77*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*80.87*	
		For White Interior Pipe, Add	*54.57*	
		For Gray Interior Pipe, Add	*41.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	192.37	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-33.86*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*91.99*	
		For White Interior Pipe, Add	*62.08*	
		For Gray Interior Pipe, Add	*47.03*	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	236.98	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-41.78*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*113.50*	
		For White Interior Pipe, Add	*76.60*	
		For Gray Interior Pipe, Add	*58.03*	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	243.78	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-42.86*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*116.43*	
		For White Interior Pipe, Add	*78.57*	
		For Gray Interior Pipe, Add	*59.53*	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*
Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0077)*
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0048 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	1,241.40	
		For No Excavation, Deduct	*-794.57*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,392.96	
		For No Excavation, Deduct	*-893.90*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,470.34	
		For No Excavation, Deduct	*-943.56*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,547.73	
		For No Excavation, Deduct	*-993.22*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,686.32	
		For No Excavation, Deduct	*-1,042.88*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,570.28	
		For No Excavation, Deduct	*-993.22*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,650.89	
		For No Excavation, Deduct	*-1,042.88*	
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,776.59	
		For No Excavation, Deduct	*-1,092.55*	
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,121.33	
		For No Excavation, Deduct	*-1,142.20*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,237.36	
		For No Excavation, Deduct	*-1,191.86*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,778.59	
		For No Excavation, Deduct	*-1,241.53*	

33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0077)*
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0048 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,697.09	
		For No Excavation, Deduct	*-886.81*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-216.20*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,978.81	
		For No Excavation, Deduct	*-922.28*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-198.77*	
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,158.87	
		For No Excavation, Deduct	*-957.75*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-46.59*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,371.70	
		For No Excavation, Deduct	*-1,064.17*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-89.16*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	7,751.82	
		For No Excavation, Deduct	*-1,135.11*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*368.20*	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,399.64	
		For No Excavation, Deduct	*-1,259.26*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*378.46*	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,307.19	
		For No Excavation, Deduct	*-1,383.41*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*727.69*	
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	10,761.90	
		For No Excavation, Deduct	*-1,560.78*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*521.74*	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	13,074.58	
		For No Excavation, Deduct	*-1,844.55*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*670.00*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*
Note: Includes flushing. Owner provided water.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0002		**Pipe Line Cleaning** *(33 01 30 41-0001)* Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003		**Hydro Jet Set-up And Reinsertion** *(33 01 30 41-0002)* Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,466.13	
33 01 30 41-0005	EA	Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,199.18	
33 01 30 41-0006	EA	Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,932.25	
33 01 30 41-0007	EA	Initial Set Up And Final Equipment Removal For >30" Jet Cleaning	3,909.65	
33 01 30 41-0008	EA	Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning	366.53	
33 01 30 41-0009	EA	Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	549.80	
33 01 30 41-0010	EA	Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning	733.06	
33 01 30 41-0011	EA	Move And Reset Up At Different Access/Location For >30" Jet Cleaning	916.33	
33 01 30 41-0012		**Hydro Jet Cleaning Of Sewer And Water Pipelines** *(33 01 30 41-0002)*		
33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.94	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 2,000, Deduct	*-0.59*	
		For >2,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-0.99*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.96*	
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.53	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 2,000, Deduct	*-0.68*	
		For >2,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.13*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.40*	
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.32	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 2,000, Deduct	*-0.80*	
		For >2,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-1.33*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.99*	
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.57	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-0.99*	
		For >2,000 To 5,000, Deduct	*-1.31*	
		For >5,000, Deduct	*-1.64*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.93*	
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.45	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.12*	
		For >2,000 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-1.86*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.59*	
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.60	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000 To 5,000, Deduct	*-1.72*	
		For >5,000, Deduct	*-2.15*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.45*	
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.36	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.55*	
		For >2,000 To 5,000, Deduct	*-2.07*	
		For >5,000, Deduct	*-2.59*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.77*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.75	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-1.76*	
		For >2,000 To 5,000, Deduct	*-2.35*	
		For >5,000, Deduct	*-2.94*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.81*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	13.89	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000 To 2,000, Deduct	*-2.08*	
		For >2,000 To 5,000, Deduct	*-2.78*	
		For >5,000, Deduct	*-3.47*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.42*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.45	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000 To 2,000, Deduct	*-2.62*	
		For >2,000 To 5,000, Deduct	*-3.49*	
		For >5,000, Deduct	*-4.36*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	20.36	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000 To 2,000, Deduct	*-3.05*	
		For >2,000 To 5,000, Deduct	*-4.07*	
		For >5,000, Deduct	*-5.09*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*15.27*	
33 01 30 41-0024		**Flushing Of Storm Water Pipelines** *(33 01 30 41-0002)*		
		Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.57	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.39*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.80	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 2,000, Deduct	*-0.27*	
		For >2,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.45*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.12	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.32*	
		For >2,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.53*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.43	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.61*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.24	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.49*	
		For >2,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-0.81*	
33 01 30 41-0030		**Hydro Jet Cleaning Of Culverts** *(33 01 30 41-0002)*		
33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	18.23	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000 To 2,000, Deduct	*-2.73*	
		For >2,000 To 5,000, Deduct	*-3.65*	
		For >5,000, Deduct	*-4.56*	
33 01 30 41-0032		**Pipe Line Cleaning, Mechanical Method** *(33 01 30 41-0001)*		
		Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	1,324.75	
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location	441.58	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.66	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000 To 2,000, Deduct	*-1.10*	
		For >2,000 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-1.84*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	10.07	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000 To 5,000, Deduct	*-1.89*	
		For >5,000, Deduct	*-2.37*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	11.79	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-2.21*	
		For >5,000, Deduct	*-2.76*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	13.64	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,000, Deduct	*-1.91*	
		For >2,000 To 5,000, Deduct	*-2.55*	
		For >5,000, Deduct	*-3.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	14.85	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,000, Deduct	*-2.07*	
		For >2,000 To 5,000, Deduct	*-2.76*	
		For >5,000, Deduct	*-3.45*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	17.13	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000 To 2,000, Deduct	*-2.37*	
		For >2,000 To 5,000, Deduct	*-3.16*	
		For >5,000, Deduct	*-3.95*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	21.59	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000 To 2,000, Deduct	*-2.92*	
		For >2,000 To 5,000, Deduct	*-3.90*	
		For >5,000, Deduct	*-4.87*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	24.72	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-2.17*	
		For >1,000 To 2,000, Deduct	*-3.26*	
		For >2,000 To 5,000, Deduct	*-4.34*	
		For >5,000, Deduct	*-5.43*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	28.75	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000 To 2,000, Deduct	*-3.75*	
		For >2,000 To 5,000, Deduct	*-5.00*	
		For >5,000, Deduct	*-6.25*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	37.62	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000 To 2,000, Deduct	*-4.97*	
		For >2,000 To 5,000, Deduct	*-6.62*	
		For >5,000, Deduct	*-8.28*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	42.82	
		For >250 To 500, Deduct	*-1.84*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000 To 2,000, Deduct	*-5.52*	
		For >2,000 To 5,000, Deduct	*-7.36*	
		For >5,000, Deduct	*-9.20*	

33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0047	EA	Initial Set Up And Final Equipment Removal For Auguring	1,324.75	
33 01 30 41-0048	EA	Move And Reset Up At Different Location	441.58	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.42	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.66*	
		For >2,000 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.11*	
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.71	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 2,000, Deduct	*-0.86*	
		For >2,000 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-1.43*	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.62	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-0.99*	
		For >2,000 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-1.66*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.71	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,000, Deduct	*-1.16*	
		For >2,000 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-1.93*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.28	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000 To 2,000, Deduct	*-1.24*	
		For >2,000 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-2.07*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.47	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000 To 5,000, Deduct	*-1.89*	
		For >5,000, Deduct	*-2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.62	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-2.91*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	12.99	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000 To 5,000, Deduct	*-2.60*	
		For >5,000, Deduct	*-3.25*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	15.05	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000 To 5,000, Deduct	*-3.01*	
		For >5,000, Deduct	*-8.76*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	20.70	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000 To 2,000, Deduct	*-3.11*	
		For >2,000 To 5,000, Deduct	*-4.14*	
		For >5,000, Deduct	*-5.18*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	22.08	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000 To 2,000, Deduct	*-3.31*	
		For >2,000 To 5,000, Deduct	*-4.42*	
		For >5,000, Deduct	*-5.52*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	52.91	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	105.81	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	21.16	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	23.28	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	26.45	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	30.69	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	35.98	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	42.33	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	49.74	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	57.14	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	66.67	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	79.36	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	264.54	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	972.16	
		For >10 To 100, Deduct	*-145.82*	
		For >100 To 250, Deduct	*-218.74*	
		For >250, Deduct	*-291.65*	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,166.58	
		For >10 To 100, Deduct	*-174.99*	
		For >100 To 250, Deduct	*-262.48*	
		For >250, Deduct	*-349.97*	
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	583.29	
		For >10 To 100, Deduct	*-87.49*	
		For >100 To 250, Deduct	*-131.24*	
		For >250, Deduct	*-174.99*	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	297.10
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	276.21
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	255.31
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	234.43
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	213.54
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	192.65

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	735.61
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	809.17
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	882.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	127.62	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	181.15	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	209.21	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.31	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	137.64	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	192.53	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	220.59	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	254.86	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	147.95	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	200.24	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	231.43	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	269.71	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	166.67	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	220.04	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	266.82	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	321.44	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	420.04	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	522.46	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	637.31	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	195.91	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	260.12	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	308.11	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	361.04	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	499.46	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	607.26	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	725.30	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	255.71	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	332.17	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	400.91	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	478.78	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	635.28	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	759.81	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	899.95	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	299.21	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	401.75	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	473.24	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	580.52	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	761.76	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	867.38	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,115.58	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	340.65	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	444.61	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	536.68	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	660.12	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	848.93	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	998.50	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,268.43	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	755.25	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,070.17	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,440.77	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,120.88	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	792.74	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,120.28	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,504.58	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,223.34	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	813.09	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,147.04	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,544.22	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,280.08	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	834.46	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,177.53	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,582.69	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,336.84	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	853.71	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,203.67	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,621.16	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,388.18	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	871.89	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,230.42	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,655.41	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,421.20	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	892.69	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,261.98	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,691.74	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,494.15	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	110.54
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	128.04
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	150.68
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	169.11
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	268.52

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	135.90
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	154.31
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	326.16
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	120.36
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	109.04
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	127.70
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	159.95

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	254.38
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	187.54
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	223.39
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	178.44

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	118.57
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	92.27
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	103.32
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	123.22
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	151.73
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	164.03

33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	140.43
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	146.01

33 01 30 51-0110 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0111	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	70.94
33 01 30 51-0112	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	87.16
33 01 30 51-0113	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	99.33
33 01 30 51-0114	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	117.40
33 01 30 51-0115	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	145.22
33 01 30 51-0116	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	197.17
33 01 30 51-0117	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	184.24
33 01 30 51-0118	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	238.97
33 01 30 51-0119	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	246.79
33 01 30 51-0120	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	254.62
33 01 30 51-0121	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	274.59
33 01 30 51-0122	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	287.87
33 01 30 51-0123	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	304.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0124	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	357.86	
33 01 30 51-0125	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	363.10	
33 01 30 51-0126	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	382.20	
33 01 30 51-0127	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	379.25	
33 01 30 51-0128	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	393.43	
33 01 30 51-0129	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	411.54	
33 01 30 51-0130	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	442.05	
33 01 30 51-0131	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	463.02	
33 01 30 51-0132	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	480.23	
33 01 30 51-0133	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	548.96	
33 01 30 51-0134	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	647.94	
33 01 30 51-0135	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	624.23	
33 01 30 51-0136	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	834.04	
33 01 30 51-0137	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	967.60	
33 01 30 51-0138	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,163.08	
33 01 30 51-0139	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,280.86	
33 01 30 51-0140	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,383.01	
33 01 30 51-0141	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,747.27	
33 01 30 51-0142	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	1,837.67	
33 01 30 51-0143		Couplings For Steel Pipe *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0144	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	73.19	
33 01 30 51-0145	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	86.85	
33 01 30 51-0146	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	99.19	
33 01 30 51-0147	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	116.36	
33 01 30 51-0148	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	175.07	
33 01 30 51-0149	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	170.96	
33 01 30 51-0150	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	173.02	
33 01 30 51-0151	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	254.62	
33 01 30 51-0152	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	262.44	
33 01 30 51-0153	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	270.26	
33 01 30 51-0154	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	295.91	
33 01 30 51-0155	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	282.12	
33 01 30 51-0156	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	289.38	
33 01 30 51-0157	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	385.33	
33 01 30 51-0158	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	389.16	
33 01 30 51-0159	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	566.65	
33 01 30 51-0160	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	387.64	
33 01 30 51-0161	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	408.00	
33 01 30 51-0162	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	415.86	
33 01 30 51-0163	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	487.57	
33 01 30 51-0164	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	495.29	
33 01 30 51-0165	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	507.75	
33 01 30 51-0166	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	567.74	
33 01 30 51-0167	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	667.50	
33 01 30 51-0168	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	643.79	
33 01 30 51-0169	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	853.17	
33 01 30 51-0170	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	987.16	
33 01 30 51-0171	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,192.43	
33 01 30 51-0172	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,319.99	
33 01 30 51-0173	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,422.14	
33 01 30 51-0174	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,786.39	
33 01 30 51-0175	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,876.80	
33 01 30 51-0176		Couplings For Steel Pipe *(33 01 30 51-0079)*		
		Note: Includes Buna N gasket, protected. Dresser style 38.		
33 01 30 51-0177	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	87.10	
33 01 30 51-0178	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	101.01	
33 01 30 51-0179	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	115.80	
33 01 30 51-0180	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	137.94	
33 01 30 51-0181	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	175.07	
33 01 30 51-0182	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	210.01	
33 01 30 51-0183	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	221.63	
33 01 30 51-0184	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	254.62	
33 01 30 51-0185	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	262.44	
33 01 30 51-0186	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	270.26	
33 01 30 51-0187	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	295.91	
33 01 30 51-0188	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	323.80	
33 01 30 51-0189	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	334.41	
33 01 30 51-0190	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	385.33	
33 01 30 51-0191	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	389.16	
33 01 30 51-0192	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	433.96	
33 01 30 51-0193	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	387.64	
33 01 30 51-0194	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	408.00	
33 01 30 51-0195	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	415.86	
33 01 30 51-0196	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	487.57	
33 01 30 51-0197	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	495.29	
33 01 30 51-0198	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	507.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0199	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	567.74	
33 01 30 51-0200	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	667.50	
33 01 30 51-0201	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	643.79	
33 01 30 51-0202	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	853.17	
33 01 30 51-0203	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	987.16	
33 01 30 51-0204	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,163.08	
33 01 30 51-0205	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,319.99	
33 01 30 51-0206	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,422.14	
33 01 30 51-0207	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,786.39	
33 01 30 51-0208	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,876.80	
33 01 30 51-0209		Couplings For Steel Pipe *(33 01 30 51-0079)*		
		Note: Includes high temperature carded glass gasket, protected. Dresser style 38.		
33 01 30 51-0210	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	150.09	
33 01 30 51-0211	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	160.67	
33 01 30 51-0212	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	165.30	
33 01 30 51-0213	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	257.81	
33 01 30 51-0214	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	279.21	
33 01 30 51-0215	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	290.11	
33 01 30 51-0216	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	330.02	
33 01 30 51-0217	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	327.56	
33 01 30 51-0218	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	362.93	
33 01 30 51-0219	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	373.53	
33 01 30 51-0220	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	510.63	
33 01 30 51-0221	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	524.70	
33 01 30 51-0222	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	540.74	
33 01 30 51-0223	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	550.07	
33 01 30 51-0224	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	554.68	
33 01 30 51-0225	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	694.68	
33 01 30 51-0226	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	751.78	
33 01 30 51-0227	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	762.55	
33 01 30 51-0228	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	762.35	
33 01 30 51-0229	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	977.00	
33 01 30 51-0230	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,019.99	
33 01 30 51-0231	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,183.63	
33 01 30 51-0232	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,495.27	
33 01 30 51-0233	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,453.00	
33 01 30 51-0234	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,623.61	
33 01 30 51-0235	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,760.96	
33 01 30 51-0236	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,915.92	
33 01 30 51-0237		Couplings And Fittings For Steel Pipe, Cast Body, Compression *(33 01 30 51-0079)*		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0238		Couplings For Steel Pipe, Cast Body (Compression) *(33 01 30 51-0237)*		
		Note: Includes gaskets.		
33 01 30 51-0239	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	73.45	
33 01 30 51-0240	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	72.99	
33 01 30 51-0241	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	81.83	
33 01 30 51-0242	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	90.78	
33 01 30 51-0243	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	112.04	
33 01 30 51-0244	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	136.56	
33 01 30 51-0245	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	75.69	
33 01 30 51-0246	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	75.48	
33 01 30 51-0247	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	82.21	
33 01 30 51-0248	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	91.94	
33 01 30 51-0249	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	115.82	
33 01 30 51-0250	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	138.22	
33 01 30 51-0251	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	150.22	
33 01 30 51-0252	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	175.77	
33 01 30 51-0253	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	181.78	
33 01 30 51-0254	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	202.85	
33 01 30 51-0255	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	247.10	
33 01 30 51-0256		Reducing Couplings For Steel Pipe (Compression) *(33 01 30 51-0237)*		
		Note: Includes armored gaskets.		
33 01 30 51-0257	EA	3/4" x 1/2" Reducing Coupling (Compression)	80.51	
33 01 30 51-0258	EA	1" x 3/4" Reducing Coupling (Compression)	84.28	
33 01 30 51-0259	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	94.89	
33 01 30 51-0260	EA	1-1/4" x 1" Reducing Coupling (Compression)	99.04	
33 01 30 51-0261	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	198.70	
33 01 30 51-0262	EA	1-1/2" x 1" Reducing Coupling (Compression)	118.48	
33 01 30 51-0263	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	119.06	
33 01 30 51-0264	EA	2" x 3/4" Reducing Coupling (Compression)	237.22	
33 01 30 51-0265	EA	2" x 1" Reducing Coupling (Compression)	214.18	
33 01 30 51-0266	EA	2" x 1-1/4" Reducing Coupling (Compression)	159.35	
33 01 30 51-0267	EA	2" x 1-1/2" Reducing Coupling (Compression)	158.74	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0268		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0237)*		
		Note: Includes armored gaskets.		
33 01 30 51-0269	EA	1" 45 Degree Elbow (Compression)	137.17	
33 01 30 51-0270	EA	1-1/4" 45 Degree Elbow (Compression)	141.90	
33 01 30 51-0271	EA	1-1/2" 45 Degree Elbow (Compression)	183.79	
33 01 30 51-0272	EA	2" 45 Degree Elbow (Compression)	232.92	
33 01 30 51-0273	EA	3/4" 90 Degree Elbow (Compression)	90.07	
33 01 30 51-0274	EA	1" 90 Degree Elbow (Compression)	92.28	
33 01 30 51-0275	EA	1-1/4" 90 Degree Elbow (Compression)	108.37	
33 01 30 51-0276	EA	1-1/2" 90 Degree Elbow (Compression)	156.60	
33 01 30 51-0277	EA	2" 90 Degree Elbow (Compression)	170.05	
33 01 30 51-0278	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	90.38	
33 01 30 51-0279	EA	1" Plain End 90 Degree Street Elbow (Compression)	77.34	
33 01 30 51-0280	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	87.22	
33 01 30 51-0281	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	110.50	
33 01 30 51-0282	EA	2" Plain End 90 Degree Street Elbow (Compression)	143.97	
33 01 30 51-0283	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	93.63	
33 01 30 51-0284	EA	1" Threaded End 90 Degree Street Elbow (Compression)	83.42	
33 01 30 51-0285	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	109.81	
33 01 30 51-0286	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	132.05	
33 01 30 51-0287	EA	2" Threaded End 90 Degree Street Elbow (Compression)	190.08	
33 01 30 51-0288		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0237)*		
		Note: Includes armored gaskets.		
33 01 30 51-0289	EA	3/4" Street Tee (Compression)	95.90	
33 01 30 51-0290	EA	1" Street Tee (Compression)	113.00	
33 01 30 51-0291	EA	1-1/4" Street Tee (Compression)	112.36	
33 01 30 51-0292	EA	1-1/2" Street Tee (Compression)	128.22	
33 01 30 51-0293	EA	2" Street Tee (Compression)	200.20	
33 01 30 51-0294	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	111.19	
33 01 30 51-0295	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	117.08	
33 01 30 51-0296	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	146.67	
33 01 30 51-0297	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	173.27	
33 01 30 51-0298	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	174.45	
33 01 30 51-0299	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	144.16	
33 01 30 51-0300	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	194.45	
33 01 30 51-0301	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	224.01	
33 01 30 51-0302	EA	3/4" Welding Street Tee (Compression)	184.57	
33 01 30 51-0303	EA	1" Welding Street Tee (Compression)	183.19	
33 01 30 51-0304	EA	1-1/4" Welding Street Tee (Compression)	195.54	
33 01 30 51-0305	EA	1-1/2" Welding Street Tee (Compression)	234.62	
33 01 30 51-0306	EA	2" Welding Street Tee (Compression)	318.88	
33 01 30 51-0307	EA	3/4" Regular Tee (Compression)	132.98	
33 01 30 51-0308	EA	1" Regular Tee (Compression)	239.46	
33 01 30 51-0309	EA	1-1/4" Regular Tee (Compression)	251.70	
33 01 30 51-0310	EA	1-1/2" Regular Tee (Compression)	267.56	
33 01 30 51-0311	EA	2" Regular Tee (Compression)	294.94	
33 01 30 51-0312	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	290.20	
33 01 30 51-0313		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0237)*		
		Note: Includes armored gaskets.		
33 01 30 51-0314	EA	3/4" Male Adapter (Compression)	89.80	
33 01 30 51-0315	EA	1" Male Adapter (Compression)	99.65	
33 01 30 51-0316	EA	1-1/4" Male Adapter (Compression)	131.41	
33 01 30 51-0317	EA	1-1/2" Male Adapter (Compression)	147.15	
33 01 30 51-0318	EA	2" Male Adapter (Compression)	165.10	
33 01 30 51-0319	EA	1" x 1-1/4" Male Adapter (Compression)	130.65	
33 01 30 51-0320		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0237)*		
		Note: Includes armored gaskets.		
33 01 30 51-0321	EA	3/4" Line Caps (Compression)	48.53	
33 01 30 51-0322	EA	1" Line Caps (Compression)	56.50	
33 01 30 51-0323	EA	1-1/4" Line Caps (Compression)	64.60	
33 01 30 51-0324	EA	1-1/2" Line Caps (Compression)	75.64	
33 01 30 51-0325	EA	2" Line Caps (Compression)	93.63	
33 01 30 51-0326		**Grind Offset Joint** *(33 01 30 51-0001)*		
33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	441.36	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	588.49	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	735.61	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	882.73	
33 01 30 51-0331		**Pipe Plugging** *(33 01 30 51-0001)*		
33 01 30 51-0332		**Gravity Bladder Type, Temporary Pipe Plugging** *(33 01 30 51-0331)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	81.26	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	86.91	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	93.61	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	99.89	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	105.96	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	112.63	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	120.90	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	132.91	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	144.09	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	160.83	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	178.48	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	206.92	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	240.42	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	286.46	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	345.24	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	415.83	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	494.33	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	570.19	
33 01 30 51-0351		Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0331)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,793.12	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,504.80	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	4,296.83	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	5,184.41	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	5,844.27	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	6,896.12	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	7,555.98	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	8,607.79	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	9,659.65	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	10,778.43	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	12,299.12	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	14,020.71	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	16,679.81	
33 01 30 51-0365		Aluminum Expansion Plugs *(33 01 30 51-0331)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	76.48	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	110.97	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	125.16	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	191.34	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	196.49	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	246.38	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	334.25	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	541.87	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	587.07	
33 01 30 51-0375		Pipe Repair Clamp, Stainless Steel, 3" Long *(33 01 30 51-0001)*		
33 01 30 51-0376	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	161.31	
33 01 30 51-0377	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	161.86	
33 01 30 51-0378	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	163.22	
33 01 30 51-0379	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	164.57	
33 01 30 51-0380	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	165.25	
33 01 30 51-0381	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	167.29	
33 01 30 51-0382	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	169.33	
33 01 30 51-0383	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	172.04	
33 01 30 51-0384	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	296.25	
33 01 30 51-0385	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	305.08	
33 01 30 51-0386	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	311.19	
33 01 30 51-0387	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	375.71	
33 01 30 51-0388	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	383.86	
33 01 30 51-0389	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	389.29	
33 01 30 51-0390	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	397.44	
33 01 30 51-0391	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	405.59	
33 01 30 51-0392	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	416.46	
33 01 30 51-0393	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	435.48	
33 01 30 51-0394		Polyseal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0395	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	334.79	
33 01 30 51-0396	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	377.87	
33 01 30 63		**Sewer and Pipe Joint Sealing** *(33 01 30)*		
33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		
33 01 30 63-0002	EA	4" To 8", Joint Air Test	99.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 63-0003	EA	10" To 15", Joint Air Test	116.41	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	133.04	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	166.30	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	199.57	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	232.83	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)*		
		Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest	302.20	
		Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest	335.47	
		Note: Includes 1 gallon of grout.		
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest	404.84	
		Note: Includes 2 gallons of grout.		
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest	456.15	
		Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest	507.47	
		Note: Includes 3 gallons of grout.		
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest	601.08	
		Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest	694.68	
		Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest	788.29	
		Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest	915.17	
		Note: Includes 6 gallons of grout.		
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest	1,042.03	
		Note: Includes 6.75 gallons of grout.		
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest	1,202.17	
		Note: Includes 7.5 gallons of grout.		
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest	1,389.38	
		Note: Includes 9 gallons of grout.		
33 01 30 63-0021	GAL	Extra Grout Per Joint	169.15	
		Note: For extra grout per joint required over listed amount.		
33 01 30 70		**Rehabilitation of Sewer Utilities** *(33 01 30)*		
33 01 30 70-0001		Cementitious Pipe Coatings By Hand *(33 01 30 70)*		
		Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 70-0002	SF	Up To 1" Thick Cementitious Coating On Pipe, Troweled On	9.75	
33 01 30 70-0003	SF	>1" To 2" Thick Cementitious Coating On Pipe, Troweled On	14.86	
33 01 30 71		**Relining Sewers** *(33 01 30)*		
33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)*		
		Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		25% Asphalt Paving In Pipe, Cold Applied, ASTM A849 *(33 01 30 71-0001)*		
		Note: Excludes costs for CCTV inspection, sewer cleaning, bypass pumping.		
33 01 30 71-0003	LF	12" Diameter Pipe, 25% Asphalt Paved	7.95	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*1.86*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*1.49*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*0.74*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.54*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-0.92*	
33 01 30 71-0004	LF	15" Diameter Pipe, 25% Asphalt Paved	10.27	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*2.36*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*1.89*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*0.95*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.69*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.16*	
33 01 30 71-0005	LF	18" Diameter Pipe, 25% Asphalt Paved	12.33	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*2.84*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*2.27*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.14*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.83*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.39*	
33 01 30 71-0006	LF	21" Diameter Pipe, 25% Asphalt Paved	14.38	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*3.31*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*2.65*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.32*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.96*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.63*	

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33 01 30 71-0007	LF	24" Diameter Pipe, 25% Asphalt Paved	16.44	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*3.78*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*3.03*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.51*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.10*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.86*	
33 01 30 71-0008	LF	30" Diameter Pipe, 25% Asphalt Paved	20.54	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*4.73*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*3.78*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.89*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.38*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-2.32*	
33 01 30 71-0009	LF	36" Diameter Pipe, 25% Asphalt Paved	24.65	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*5.67*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*4.54*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*2.27*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.65*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-2.79*	
33 01 30 71-0010	LF	42" Diameter Pipe, 25% Asphalt Paved	26.76	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*6.62*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*5.30*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*2.65*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.93*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-3.25*	
33 01 30 71-0011	LF	48" Diameter Pipe, 25% Asphalt Paved	32.88	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*7.57*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*6.05*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*3.03*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-2.21*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-3.72*	
33 01 30 71-0012	LF	54" Diameter Pipe, 25% Asphalt Paved	36.98	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*8.51*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*6.81*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*3.40*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-2.48*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-4.18*	
33 01 30 71-0013	LF	60" Diameter Pipe, 25% Asphalt Paved	41.09	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*9.46*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*7.57*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*3.78*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-2.76*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-4.65*	
33 01 30 71-0014	LF	66" Diameter Pipe, 25% Asphalt Paved	45.20	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*10.40*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*8.32*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*4.16*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.03*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-5.11*	
33 01 30 71-0015	LF	72" Diameter Pipe, 25% Asphalt Paved	49.32	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*11.35*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*9.08*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*4.54*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.31*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-5.58*	
33 01 30 71-0016	LF	78" Diameter Pipe, 25% Asphalt Paved	53.42	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*12.30*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*9.84*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*4.92*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.58*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-6.04*	
33 01 30 71-0017	LF	84" Diameter Pipe, 25% Asphalt Paved	57.52	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*13.24*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*10.59*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*5.30*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.86*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-6.51*	
33 01 30 71-0018	LF	90" Diameter Pipe, 25% Asphalt Paved	61.64	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*14.19*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*11.35*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*5.67*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.13*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-6.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0019	LF	96" Diameter Pipe, 25% Asphalt Paved	65.74	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*15.13*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*12.10*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*6.05*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.41*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-7.43*	
33 01 30 71-0020	LF	102" Diameter Pipe, 25% Asphalt Paved	69.86	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*16.08*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*12.86*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*6.43*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.69*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-7.90*	
33 01 30 71-0021	LF	108" Diameter Pipe, 25% Asphalt Paved	73.97	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*17.03*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*18.62*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*6.81*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.96*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-8.37*	
33 01 30 71-0022	LF	114" Diameter Pipe, 25% Asphalt Paved	78.08	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*17.97*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*14.38*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*7.19*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-5.24*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-8.83*	
33 01 30 71-0023	LF	120" Diameter Pipe, 25% Asphalt Paved	82.19	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*18.92*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*15.13*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*7.57*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-5.51*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-9.30*	
33 01 30 71-0024	LF	126" Diameter Pipe, 25% Asphalt Paved	86.30	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*19.86*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*15.89*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*7.95*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-5.79*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-9.76*	
33 01 30 71-0025	LF	132" Diameter Pipe, 25% Asphalt Paved	90.40	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*20.81*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*16.65*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*8.32*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-6.06*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-10.22*	
33 01 30 71-0026	LF	138" Diameter Pipe, 25% Asphalt Paved	94.53	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*21.76*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*17.41*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*8.70*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-6.34*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-10.69*	
33 01 30 71-0027	LF	144" Diameter Pipe, 25% Asphalt Paved	98.63	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*22.70*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*18.16*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*9.08*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-6.61*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-11.15*	
33 01 30 71-0028		Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0029		Mobilization And Setup For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0028)*		
33 01 30 71-0030	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	2,024.14	
33 01 30 71-0031		Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0028)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0032	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	61.14	
		For Up To 75, Add	*13.32*	
		For >75 To 150, Add	*6.11*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000 To 2,000, Deduct	*-3.21*	
		For >2,000 To 5,000, Deduct	*-4.98*	
		For >5,000, Deduct	*-7.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0033	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	71.33	
		For Up To 75, Add	*15.54*	
		For >75 To 150, Add	*7.13*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000 To 2,000, Deduct	*-3.74*	
		For >2,000 To 5,000, Deduct	*-5.81*	
		For >5,000, Deduct	*-8.41*	
33 01 30 71-0034	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	81.53	
		For Up To 75, Add	*17.76*	
		For >75 To 150, Add	*8.15*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000 To 2,000, Deduct	*-4.28*	
		For >2,000 To 5,000, Deduct	*-6.64*	
		For >5,000, Deduct	*-9.61*	
33 01 30 71-0035	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	91.71	
		For Up To 75, Add	*19.98*	
		For >75 To 150, Add	*9.17*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000 To 2,000, Deduct	*-4.81*	
		For >2,000 To 5,000, Deduct	*-7.47*	
		For >5,000, Deduct	*-10.81*	
33 01 30 71-0036	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	101.90	
		For Up To 75, Add	*22.20*	
		For >75 To 150, Add	*10.19*	
		For >500 To 1,000, Deduct	*-2.77*	
		For >1,000 To 2,000, Deduct	*-5.35*	
		For >2,000 To 5,000, Deduct	*-8.30*	
		For >5,000, Deduct	*-12.01*	
33 01 30 71-0037	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.10	
		For Up To 75, Add	*24.42*	
		For >75 To 150, Add	*11.21*	
		For >500 To 1,000, Deduct	*-3.04*	
		For >1,000 To 2,000, Deduct	*-5.89*	
		For >2,000 To 5,000, Deduct	*-9.13*	
		For >5,000, Deduct	*-13.21*	
33 01 30 71-0038	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	122.29	
		For Up To 75, Add	*26.64*	
		For >75 To 150, Add	*12.23*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000 To 2,000, Deduct	*-6.42*	
		For >2,000 To 5,000, Deduct	*-9.96*	
		For >5,000, Deduct	*-14.41*	
33 01 30 71-0039	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	132.47	
		For Up To 75, Add	*28.86*	
		For >75 To 150, Add	*13.25*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000 To 2,000, Deduct	*-6.95*	
		For >2,000 To 5,000, Deduct	*-10.79*	
		For >5,000, Deduct	*-15.61*	
33 01 30 71-0040	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	142.67	
		For Up To 75, Add	*31.08*	
		For >75 To 150, Add	*14.27*	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000 To 2,000, Deduct	*-7.49*	
		For >2,000 To 5,000, Deduct	*-11.62*	
		For >5,000, Deduct	*-16.81*	
33 01 30 71-0041	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	152.85	
		For Up To 75, Add	*33.30*	
		For >75 To 150, Add	*15.29*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000 To 2,000, Deduct	*-8.02*	
		For >2,000 To 5,000, Deduct	*-12.45*	
		For >5,000, Deduct	*-18.01*	
33 01 30 71-0042	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	163.04	
		For Up To 75, Add	*35.52*	
		For >75 To 150, Add	*16.30*	
		For >500 To 1,000, Deduct	*-4.43*	
		For >1,000 To 2,000, Deduct	*-8.56*	
		For >2,000 To 5,000, Deduct	*-13.28*	
		For >5,000, Deduct	*-19.22*	
33 01 30 71-0043	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	173.24	
		For Up To 75, Add	*37.74*	
		For >75 To 150, Add	*17.32*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000 To 2,000, Deduct	*-9.10*	
		For >2,000 To 5,000, Deduct	*-14.11*	
		For >5,000, Deduct	*-20.42*	
33 01 30 71-0044	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	183.43	
		For Up To 75, Add	*39.96*	
		For >75 To 150, Add	*18.34*	
		For >500 To 1,000, Deduct	*-4.98*	
		For >1,000 To 2,000, Deduct	*-9.63*	
		For >2,000 To 5,000, Deduct	*-14.94*	
		For >5,000, Deduct	*-21.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0045	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	193.62	
		For Up To 75, Add	*42.18*	
		For >75 To 150, Add	*19.36*	
		For >500 To 1,000, Deduct	*-5.26*	
		For >1,000 To 2,000, Deduct	*-10.16*	
		For >2,000 To 5,000, Deduct	*-15.77*	
		For >5,000, Deduct	*-22.82*	
33 01 30 71-0046	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	203.81	
		For Up To 75, Add	*44.40*	
		For >75 To 150, Add	*20.38*	
		For >500 To 1,000, Deduct	*-5.53*	
		For >1,000 To 2,000, Deduct	*-10.70*	
		For >2,000 To 5,000, Deduct	*-16.60*	
		For >5,000, Deduct	*-24.02*	
33 01 30 71-0047	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.49	

33 01 30 71-0048 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0028)*

Note: Two part structural polyurethane.

33 01 30 71-0049	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	81.98	
		For Up To 75, Add	*17.55*	
		For >75 To 150, Add	*8.20*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000 To 2,000, Deduct	*-4.08*	
		For >2,000 To 5,000, Deduct	*-6.30*	
		For >5,000, Deduct	*-9.35*	
33 01 30 71-0050	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	95.64	
		For Up To 75, Add	*20.47*	
		For >75 To 150, Add	*9.56*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000 To 2,000, Deduct	*-4.76*	
		For >2,000 To 5,000, Deduct	*-7.35*	
		For >5,000, Deduct	*-10.90*	
33 01 30 71-0051	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	109.32	
		For Up To 75, Add	*23.40*	
		For >75 To 150, Add	*10.93*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000 To 2,000, Deduct	*-5.45*	
		For >2,000 To 5,000, Deduct	*-8.40*	
		For >5,000, Deduct	*-12.46*	
33 01 30 71-0052	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	122.97	
		For Up To 75, Add	*26.32*	
		For >75 To 150, Add	*12.30*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000 To 2,000, Deduct	*-6.13*	
		For >2,000 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-14.02*	
33 01 30 71-0053	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	136.64	
		For Up To 75, Add	*29.24*	
		For >75 To 150, Add	*13.66*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000 To 2,000, Deduct	*-6.81*	
		For >2,000 To 5,000, Deduct	*-10.50*	
		For >5,000, Deduct	*-15.58*	
33 01 30 71-0054	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	150.30	
		For Up To 75, Add	*32.17*	
		For >75 To 150, Add	*15.03*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000 To 2,000, Deduct	*-7.49*	
		For >2,000 To 5,000, Deduct	*-11.55*	
		For >5,000, Deduct	*-17.14*	
33 01 30 71-0055	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	163.97	
		For Up To 75, Add	*35.09*	
		For >75 To 150, Add	*16.40*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000 To 2,000, Deduct	*-8.17*	
		For >2,000 To 5,000, Deduct	*-12.60*	
		For >5,000, Deduct	*-18.70*	
33 01 30 71-0056	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	177.62	
		For Up To 75, Add	*38.01*	
		For >75 To 150, Add	*17.76*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000 To 2,000, Deduct	*-8.85*	
		For >2,000 To 5,000, Deduct	*-13.64*	
		For >5,000, Deduct	*-20.25*	
33 01 30 71-0057	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	191.30	
		For Up To 75, Add	*40.94*	
		For >75 To 150, Add	*19.13*	
		For >500 To 1,000, Deduct	*-4.90*	
		For >1,000 To 2,000, Deduct	*-9.53*	
		For >2,000 To 5,000, Deduct	*-14.70*	
		For >5,000, Deduct	*-21.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0058	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	204.96	
		For Up To 75, Add	*43.87*	
		For >75 To 150, Add	*20.50*	
		For >500 To 1,000, Deduct	*-5.25*	
		For >1,000 To 2,000, Deduct	*-10.21*	
		For >2,000 To 5,000, Deduct	*-15.75*	
		For >5,000, Deduct	*-23.37*	
33 01 30 71-0059	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	218.62	
		For Up To 75, Add	*46.79*	
		For >75 To 150, Add	*21.86*	
		For >500 To 1,000, Deduct	*-5.60*	
		For >1,000 To 2,000, Deduct	*-10.89*	
		For >2,000 To 5,000, Deduct	*-16.79*	
		For >5,000, Deduct	*-24.93*	
33 01 30 71-0060	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	232.29	
		For Up To 75, Add	*49.71*	
		For >75 To 150, Add	*23.23*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000 To 2,000, Deduct	*-11.57*	
		For >2,000 To 5,000, Deduct	*-17.84*	
		For >5,000, Deduct	*-26.49*	
33 01 30 71-0061	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	245.95	
		For Up To 75, Add	*52.64*	
		For >75 To 150, Add	*24.60*	
		For >500 To 1,000, Deduct	*-6.30*	
		For >1,000 To 2,000, Deduct	*-12.25*	
		For >2,000 To 5,000, Deduct	*-18.89*	
		For >5,000, Deduct	*-28.04*	
33 01 30 71-0062	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	259.61	
		For Up To 75, Add	*55.56*	
		For >75 To 150, Add	*25.96*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000 To 2,000, Deduct	*-12.93*	
		For >2,000 To 5,000, Deduct	*-19.94*	
		For >5,000, Deduct	*-29.60*	
33 01 30 71-0063	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	273.28	
		For Up To 75, Add	*58.49*	
		For >75 To 150, Add	*27.33*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000 To 2,000, Deduct	*-13.61*	
		For >2,000 To 5,000, Deduct	*-20.99*	
		For >5,000, Deduct	*-31.16*	
33 01 30 71-0064	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.70	

33 01 30 71-0065 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0028)*

Note: Two part structural polyurethane.

33 01 30 71-0066	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	102.80	
		For Up To 75, Add	*21.77*	
		For >75 To 150, Add	*10.28*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000 To 2,000, Deduct	*-4.96*	
		For >2,000 To 5,000, Deduct	*-7.62*	
		For >5,000, Deduct	*-11.49*	
33 01 30 71-0067	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	119.94	
		For Up To 75, Add	*25.40*	
		For >75 To 150, Add	*11.99*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000 To 2,000, Deduct	*-5.79*	
		For >2,000 To 5,000, Deduct	*-8.89*	
		For >5,000, Deduct	*-13.41*	
33 01 30 71-0068	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	137.08	
		For Up To 75, Add	*29.03*	
		For >75 To 150, Add	*13.71*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000 To 2,000, Deduct	*-6.61*	
		For >2,000 To 5,000, Deduct	*-10.16*	
		For >5,000, Deduct	*-15.32*	
33 01 30 71-0069	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	154.23	
		For Up To 75, Add	*32.66*	
		For >75 To 150, Add	*15.42*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000 To 2,000, Deduct	*-7.44*	
		For >2,000 To 5,000, Deduct	*-11.43*	
		For >5,000, Deduct	*-17.24*	
33 01 30 71-0070	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	171.35	
		For Up To 75, Add	*36.29*	
		For >75 To 150, Add	*17.14*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000 To 2,000, Deduct	*-8.27*	
		For >2,000 To 5,000, Deduct	*-12.70*	
		For >5,000, Deduct	*-19.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0071	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	188.48	
		For Up To 75, Add	*39.91*	
		For >75 To 150, Add	*18.85*	
		For >500 To 1,000, Deduct	*-4.66*	
		For >1,000 To 2,000, Deduct	*-9.09*	
		For >2,000 To 5,000, Deduct	*-13.97*	
		For >5,000, Deduct	*-21.07*	
33 01 30 71-0072	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	205.62	
		For Up To 75, Add	*43.54*	
		For >75 To 150, Add	*20.56*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000 To 2,000, Deduct	*-9.92*	
		For >2,000 To 5,000, Deduct	*-15.24*	
		For >5,000, Deduct	*-22.98*	
33 01 30 71-0073	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	222.76	
		For Up To 75, Add	*47.17*	
		For >75 To 150, Add	*22.28*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000 To 2,000, Deduct	*-10.75*	
		For >2,000 To 5,000, Deduct	*-16.51*	
		For >5,000, Deduct	*-24.90*	
33 01 30 71-0074	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	239.89	
		For Up To 75, Add	*50.80*	
		For >75 To 150, Add	*23.99*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000 To 2,000, Deduct	*-11.57*	
		For >2,000 To 5,000, Deduct	*-17.78*	
		For >5,000, Deduct	*-26.81*	
33 01 30 71-0075	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	257.02	
		For Up To 75, Add	*54.43*	
		For >75 To 150, Add	*25.70*	
		For >500 To 1,000, Deduct	*-6.35*	
		For >1,000 To 2,000, Deduct	*-12.40*	
		For >2,000 To 5,000, Deduct	*-19.05*	
		For >5,000, Deduct	*-28.73*	
33 01 30 71-0076	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	274.17	
		For Up To 75, Add	*58.06*	
		For >75 To 150, Add	*27.42*	
		For >500 To 1,000, Deduct	*-6.77*	
		For >1,000 To 2,000, Deduct	*-13.23*	
		For >2,000 To 5,000, Deduct	*-20.32*	
		For >5,000, Deduct	*-30.64*	
33 01 30 71-0077	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	291.30	
		For Up To 75, Add	*61.69*	
		For >75 To 150, Add	*29.13*	
		For >500 To 1,000, Deduct	*-7.20*	
		For >1,000 To 2,000, Deduct	*-14.05*	
		For >2,000 To 5,000, Deduct	*-21.59*	
		For >5,000, Deduct	*-32.56*	
33 01 30 71-0078	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	308.42	
		For Up To 75, Add	*65.31*	
		For >75 To 150, Add	*30.84*	
		For >500 To 1,000, Deduct	*-7.62*	
		For >1,000 To 2,000, Deduct	*-14.88*	
		For >2,000 To 5,000, Deduct	*-22.86*	
		For >5,000, Deduct	*-34.47*	
33 01 30 71-0079	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	325.57	
		For Up To 75, Add	*68.94*	
		For >75 To 150, Add	*32.56*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000 To 2,000, Deduct	*-15.70*	
		For >2,000 To 5,000, Deduct	*-24.13*	
		For >5,000, Deduct	*-36.39*	
33 01 30 71-0080	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	342.70	
		For Up To 75, Add	*72.57*	
		For >75 To 150, Add	*34.27*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000 To 2,000, Deduct	*-16.53*	
		For >2,000 To 5,000, Deduct	*-25.40*	
		For >5,000, Deduct	*-38.30*	
33 01 30 71-0081	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	10.91	

33 01 30 71-0082 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0028)*

Note: Two part structural polyurethane.

33 01 30 71-0083	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	123.73	
		For Up To 75, Add	*26.02*	
		For >75 To 150, Add	*12.37*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000 To 2,000, Deduct	*-5.84*	
		For >2,000 To 5,000, Deduct	*-8.95*	
		For >5,000, Deduct	*-13.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0084	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	144.37	
		For Up To 75, Add	*30.36*	
		For >75 To 150, Add	*14.44*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000 To 2,000, Deduct	*-6.82*	
		For >2,000 To 5,000, Deduct	*-10.45*	
		For >5,000, Deduct	*-15.92*	
33 01 30 71-0085	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	164.98	
		For Up To 75, Add	*34.69*	
		For >75 To 150, Add	*16.50*	
		For >500 To 1,000, Deduct	*-3.98*	
		For >1,000 To 2,000, Deduct	*-7.79*	
		For >2,000 To 5,000, Deduct	*-11.94*	
		For >5,000, Deduct	*-18.20*	
33 01 30 71-0086	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	185.60	
		For Up To 75, Add	*39.03*	
		For >75 To 150, Add	*18.56*	
		For >500 To 1,000, Deduct	*-4.48*	
		For >1,000 To 2,000, Deduct	*-8.76*	
		For >2,000 To 5,000, Deduct	*-13.43*	
		For >5,000, Deduct	*-20.47*	
33 01 30 71-0087	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	206.24	
		For Up To 75, Add	*43.37*	
		For >75 To 150, Add	*20.62*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000 To 2,000, Deduct	*-9.74*	
		For >2,000 To 5,000, Deduct	*-14.92*	
		For >5,000, Deduct	*-22.75*	
33 01 30 71-0088	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	226.84	
		For Up To 75, Add	*47.70*	
		For >75 To 150, Add	*22.68*	
		For >500 To 1,000, Deduct	*-5.47*	
		For >1,000 To 2,000, Deduct	*-10.71*	
		For >2,000 To 5,000, Deduct	*-16.41*	
		For >5,000, Deduct	*-25.02*	
33 01 30 71-0089	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	247.48	
		For Up To 75, Add	*52.04*	
		For >75 To 150, Add	*24.75*	
		For >500 To 1,000, Deduct	*-5.97*	
		For >1,000 To 2,000, Deduct	*-11.68*	
		For >2,000 To 5,000, Deduct	*-17.91*	
		For >5,000, Deduct	*-27.30*	
33 01 30 71-0090	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	268.10	
		For Up To 75, Add	*56.38*	
		For >75 To 150, Add	*26.81*	
		For >500 To 1,000, Deduct	*-6.47*	
		For >1,000 To 2,000, Deduct	*-12.66*	
		For >2,000 To 5,000, Deduct	*-19.40*	
		For >5,000, Deduct	*-29.57*	
33 01 30 71-0091	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	288.71	
		For Up To 75, Add	*60.71*	
		For >75 To 150, Add	*28.87*	
		For >500 To 1,000, Deduct	*-6.96*	
		For >1,000 To 2,000, Deduct	*-13.63*	
		For >2,000 To 5,000, Deduct	*-20.89*	
		For >5,000, Deduct	*-31.84*	
33 01 30 71-0092	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	309.35	
		For Up To 75, Add	*65.05*	
		For >75 To 150, Add	*30.94*	
		For >500 To 1,000, Deduct	*-7.46*	
		For >1,000 To 2,000, Deduct	*-14.60*	
		For >2,000 To 5,000, Deduct	*-22.38*	
		For >5,000, Deduct	*-34.12*	
33 01 30 71-0093	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	329.97	
		For Up To 75, Add	*69.39*	
		For >75 To 150, Add	*33.00*	
		For >500 To 1,000, Deduct	*-7.96*	
		For >1,000 To 2,000, Deduct	*-15.58*	
		For >2,000 To 5,000, Deduct	*-23.87*	
		For >5,000, Deduct	*-36.39*	
33 01 30 71-0094	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	350.59	
		For Up To 75, Add	*73.73*	
		For >75 To 150, Add	*35.06*	
		For >500 To 1,000, Deduct	*-8.45*	
		For >1,000 To 2,000, Deduct	*-16.55*	
		For >2,000 To 5,000, Deduct	*-25.36*	
		For >5,000, Deduct	*-38.67*	
33 01 30 71-0095	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	371.22	
		For Up To 75, Add	*78.06*	
		For >75 To 150, Add	*37.12*	
		For >500 To 1,000, Deduct	*-8.95*	
		For >1,000 To 2,000, Deduct	*-17.52*	
		For >2,000 To 5,000, Deduct	*-26.86*	
		For >5,000, Deduct	*-40.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0096	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	391.83	
		For Up To 75, Add	*82.40*	
		For >75 To 150, Add	*39.18*	
		For >500 To 1,000, Deduct	*-9.45*	
		For >1,000 To 2,000, Deduct	*-18.50*	
		For >2,000 To 5,000, Deduct	*-28.35*	
		For >5,000, Deduct	*-43.22*	
33 01 30 71-0097	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	412.47	
		For Up To 75, Add	*86.74*	
		For >75 To 150, Add	*41.25*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000 To 2,000, Deduct	*-19.47*	
		For >2,000 To 5,000, Deduct	*-29.84*	
		For >5,000, Deduct	*-45.49*	
33 01 30 71-0098	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.13	

33 01 30 71-0099 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0028)*

Note: Two part structural polyurethane.

33 01 30 71-0100	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	144.81	
		For Up To 75, Add	*30.30*	
		For >75 To 150, Add	*14.48*	
		For >500 To 1,000, Deduct	*-3.43*	
		For >1,000 To 2,000, Deduct	*-6.73*	
		For >2,000 To 5,000, Deduct	*-10.30*	
		For >5,000, Deduct	*-15.82*	
33 01 30 71-0101	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	168.95	
		For Up To 75, Add	*35.35*	
		For >75 To 150, Add	*16.90*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000 To 2,000, Deduct	*-7.85*	
		For >2,000 To 5,000, Deduct	*-12.01*	
		For >5,000, Deduct	*-18.46*	
33 01 30 71-0102	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	193.07	
		For Up To 75, Add	*40.40*	
		For >75 To 150, Add	*19.31*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000 To 2,000, Deduct	*-8.97*	
		For >2,000 To 5,000, Deduct	*-13.73*	
		For >5,000, Deduct	*-21.09*	
33 01 30 71-0103	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	217.21	
		For Up To 75, Add	*45.45*	
		For >75 To 150, Add	*21.72*	
		For >500 To 1,000, Deduct	*-5.15*	
		For >1,000 To 2,000, Deduct	*-10.10*	
		For >2,000 To 5,000, Deduct	*-15.45*	
		For >5,000, Deduct	*-23.73*	
33 01 30 71-0104	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	241.36	
		For Up To 75, Add	*50.51*	
		For >75 To 150, Add	*24.14*	
		For >500 To 1,000, Deduct	*-5.72*	
		For >1,000 To 2,000, Deduct	*-11.22*	
		For >2,000 To 5,000, Deduct	*-17.16*	
		For >5,000, Deduct	*-26.37*	
33 01 30 71-0105	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	265.47	
		For Up To 75, Add	*55.55*	
		For >75 To 150, Add	*26.55*	
		For >500 To 1,000, Deduct	*-6.29*	
		For >1,000 To 2,000, Deduct	*-12.34*	
		For >2,000 To 5,000, Deduct	*-18.88*	
		For >5,000, Deduct	*-29.00*	
33 01 30 71-0106	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	289.61	
		For Up To 75, Add	*60.60*	
		For >75 To 150, Add	*28.96*	
		For >500 To 1,000, Deduct	*-6.86*	
		For >1,000 To 2,000, Deduct	*-13.46*	
		For >2,000 To 5,000, Deduct	*-20.59*	
		For >5,000, Deduct	*-31.64*	
33 01 30 71-0107	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	313.76	
		For Up To 75, Add	*65.66*	
		For >75 To 150, Add	*31.38*	
		For >500 To 1,000, Deduct	*-7.44*	
		For >1,000 To 2,000, Deduct	*-14.58*	
		For >2,000 To 5,000, Deduct	*-22.31*	
		For >5,000, Deduct	*-34.28*	
33 01 30 71-0108	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	337.87	
		For Up To 75, Add	*70.70*	
		For >75 To 150, Add	*33.79*	
		For >500 To 1,000, Deduct	*-8.01*	
		For >1,000 To 2,000, Deduct	*-15.70*	
		For >2,000 To 5,000, Deduct	*-24.02*	
		For >5,000, Deduct	*-36.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0109	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	362.02	
		For Up To 75, Add	*75.76*	
		For >75 To 150, Add	*36.20*	
		For >500 To 1,000, Deduct	*-8.58*	
		For >1,000 To 2,000, Deduct	*-16.83*	
		For >2,000 To 5,000, Deduct	*-25.74*	
		For >5,000, Deduct	*-39.55*	
33 01 30 71-0110	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	386.16	
		For Up To 75, Add	*80.81*	
		For >75 To 150, Add	*38.62*	
		For >500 To 1,000, Deduct	*-9.15*	
		For >1,000 To 2,000, Deduct	*-17.95*	
		For >2,000 To 5,000, Deduct	*-27.46*	
		For >5,000, Deduct	*-42.19*	
33 01 30 71-0111	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	410.28	
		For Up To 75, Add	*85.85*	
		For >75 To 150, Add	*41.03*	
		For >500 To 1,000, Deduct	*-9.72*	
		For >1,000 To 2,000, Deduct	*-19.07*	
		For >2,000 To 5,000, Deduct	*-29.17*	
		For >5,000, Deduct	*-44.83*	
33 01 30 71-0112	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	434.42	
		For Up To 75, Add	*90.91*	
		For >75 To 150, Add	*43.44*	
		For >500 To 1,000, Deduct	*-10.30*	
		For >1,000 To 2,000, Deduct	*-20.19*	
		For >2,000 To 5,000, Deduct	*-30.89*	
		For >5,000, Deduct	*-47.46*	
33 01 30 71-0113	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	458.57	
		For Up To 75, Add	*95.96*	
		For >75 To 150, Add	*45.86*	
		For >500 To 1,000, Deduct	*-10.87*	
		For >1,000 To 2,000, Deduct	*-21.31*	
		For >2,000 To 5,000, Deduct	*-32.61*	
		For >5,000, Deduct	*-50.10*	
33 01 30 71-0114	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	482.68	
		For Up To 75, Add	*101.00*	
		For >75 To 150, Add	*48.27*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000 To 2,000, Deduct	*-22.43*	
		For >2,000 To 5,000, Deduct	*-34.32*	
		For >5,000, Deduct	*-52.74*	
33 01 30 71-0115	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.37	

33 01 30 71-0116 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0028)*

Note: Two part structural polyurethane.

33 01 30 71-0117	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	187.01	
		For Up To 75, Add	*38.89*	
		For >75 To 150, Add	*18.70*	
		For >500 To 1,000, Deduct	*-4.34*	
		For >1,000 To 2,000, Deduct	*-8.52*	
		For >2,000 To 5,000, Deduct	*-13.01*	
		For >5,000, Deduct	*-20.19*	
33 01 30 71-0118	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	218.20	
		For Up To 75, Add	*45.38*	
		For >75 To 150, Add	*21.82*	
		For >500 To 1,000, Deduct	*-5.06*	
		For >1,000 To 2,000, Deduct	*-9.94*	
		For >2,000 To 5,000, Deduct	*-15.18*	
		For >5,000, Deduct	*-23.56*	
33 01 30 71-0119	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	249.37	
		For Up To 75, Add	*51.86*	
		For >75 To 150, Add	*24.94*	
		For >500 To 1,000, Deduct	*-5.78*	
		For >1,000 To 2,000, Deduct	*-11.37*	
		For >2,000 To 5,000, Deduct	*-17.35*	
		For >5,000, Deduct	*-26.92*	
33 01 30 71-0120	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	280.54	
		For Up To 75, Add	*58.34*	
		For >75 To 150, Add	*28.05*	
		For >500 To 1,000, Deduct	*-6.50*	
		For >1,000 To 2,000, Deduct	*-12.79*	
		For >2,000 To 5,000, Deduct	*-19.51*	
		For >5,000, Deduct	*-30.29*	
33 01 30 71-0121	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	311.70	
		For Up To 75, Add	*64.82*	
		For >75 To 150, Add	*31.17*	
		For >500 To 1,000, Deduct	*-7.23*	
		For >1,000 To 2,000, Deduct	*-14.21*	
		For >2,000 To 5,000, Deduct	*-21.68*	
		For >5,000, Deduct	*-33.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0122	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	342.87	
		For Up To 75, Add	*71.30*	
		For >75 To 150, Add	*34.29*	
		For >500 To 1,000, Deduct	*-7.95*	
		For >1,000 To 2,000, Deduct	*-15.63*	
		For >2,000 To 5,000, Deduct	*-23.85*	
		For >5,000, Deduct	*-37.02*	
33 01 30 71-0123	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	374.04	
		For Up To 75, Add	*77.79*	
		For >75 To 150, Add	*37.40*	
		For >500 To 1,000, Deduct	*-8.67*	
		For >1,000 To 2,000, Deduct	*-17.05*	
		For >2,000 To 5,000, Deduct	*-26.02*	
		For >5,000, Deduct	*-40.38*	
33 01 30 71-0124	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	405.22	
		For Up To 75, Add	*84.27*	
		For >75 To 150, Add	*40.52*	
		For >500 To 1,000, Deduct	*-9.40*	
		For >1,000 To 2,000, Deduct	*-18.47*	
		For >2,000 To 5,000, Deduct	*-28.19*	
		For >5,000, Deduct	*-43.75*	
33 01 30 71-0125	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	436.38	
		For Up To 75, Add	*90.75*	
		For >75 To 150, Add	*43.64*	
		For >500 To 1,000, Deduct	*-10.12*	
		For >1,000 To 2,000, Deduct	*-19.89*	
		For >2,000 To 5,000, Deduct	*-30.35*	
		For >5,000, Deduct	*-47.11*	
33 01 30 71-0126	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	467.56	
		For Up To 75, Add	*97.24*	
		For >75 To 150, Add	*46.76*	
		For >500 To 1,000, Deduct	*-10.84*	
		For >1,000 To 2,000, Deduct	*-21.31*	
		For >2,000 To 5,000, Deduct	*-32.52*	
		For >5,000, Deduct	*-50.48*	
33 01 30 71-0127	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	498.72	
		For Up To 75, Add	*103.72*	
		For >75 To 150, Add	*49.87*	
		For >500 To 1,000, Deduct	*-11.56*	
		For >1,000 To 2,000, Deduct	*-22.73*	
		For >2,000 To 5,000, Deduct	*-34.69*	
		For >5,000, Deduct	*-53.84*	
33 01 30 71-0128	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	529.89	
		For Up To 75, Add	*110.20*	
		For >75 To 150, Add	*52.99*	
		For >500 To 1,000, Deduct	*-12.29*	
		For >1,000 To 2,000, Deduct	*-24.15*	
		For >2,000 To 5,000, Deduct	*-36.86*	
		For >5,000, Deduct	*-57.21*	
33 01 30 71-0129	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	561.05	
		For Up To 75, Add	*116.68*	
		For >75 To 150, Add	*56.11*	
		For >500 To 1,000, Deduct	*-13.01*	
		For >1,000 To 2,000, Deduct	*-25.57*	
		For >2,000 To 5,000, Deduct	*-39.02*	
		For >5,000, Deduct	*-60.57*	
33 01 30 71-0130	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	592.23	
		For Up To 75, Add	*123.16*	
		For >75 To 150, Add	*59.22*	
		For >500 To 1,000, Deduct	*-13.73*	
		For >1,000 To 2,000, Deduct	*-26.99*	
		For >2,000 To 5,000, Deduct	*-41.19*	
		For >5,000, Deduct	*-63.94*	
33 01 30 71-0131	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	623.41	
		For Up To 75, Add	*129.65*	
		For >75 To 150, Add	*62.34*	
		For >500 To 1,000, Deduct	*-14.45*	
		For >1,000 To 2,000, Deduct	*-28.41*	
		For >2,000 To 5,000, Deduct	*-43.36*	
		For >5,000, Deduct	*-67.31*	
33 01 30 71-0132	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	19.84	

33 01 30 71-0133 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0028)*

Note: Two part structural polyurethane.

33 01 30 71-0134	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	229.64	
		For Up To 75, Add	*47.58*	
		For >75 To 150, Add	*22.96*	
		For >500 To 1,000, Deduct	*-5.25*	
		For >1,000 To 2,000, Deduct	*-10.34*	
		For >2,000 To 5,000, Deduct	*-15.76*	
		For >5,000, Deduct	*-24.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0135	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	267.91	
		For Up To 75, Add	*55.51*	
		For >75 To 150, Add	*26.79*	
		For >500 To 1,000, Deduct	*-6.13*	
		For >1,000 To 2,000, Deduct	*-12.07*	
		For >2,000 To 5,000, Deduct	*-18.39*	
		For >5,000, Deduct	*-28.72*	
33 01 30 71-0136	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	306.18	
		For Up To 75, Add	*63.44*	
		For >75 To 150, Add	*30.62*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000 To 2,000, Deduct	*-13.79*	
		For >2,000 To 5,000, Deduct	*-21.02*	
		For >5,000, Deduct	*-32.82*	
33 01 30 71-0137	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	344.46	
		For Up To 75, Add	*71.37*	
		For >75 To 150, Add	*34.45*	
		For >500 To 1,000, Deduct	*-7.88*	
		For >1,000 To 2,000, Deduct	*-15.52*	
		For >2,000 To 5,000, Deduct	*-23.65*	
		For >5,000, Deduct	*-36.93*	
33 01 30 71-0138	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	382.73	
		For Up To 75, Add	*79.30*	
		For >75 To 150, Add	*38.27*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000 To 2,000, Deduct	*-17.24*	
		For >2,000 To 5,000, Deduct	*-26.27*	
		For >5,000, Deduct	*-41.03*	
33 01 30 71-0139	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	421.00	
		For Up To 75, Add	*87.23*	
		For >75 To 150, Add	*42.10*	
		For >500 To 1,000, Deduct	*-9.63*	
		For >1,000 To 2,000, Deduct	*-18.96*	
		For >2,000 To 5,000, Deduct	*-28.90*	
		For >5,000, Deduct	*-45.13*	
33 01 30 71-0140	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	459.28	
		For Up To 75, Add	*95.17*	
		For >75 To 150, Add	*45.93*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000 To 2,000, Deduct	*-20.69*	
		For >2,000 To 5,000, Deduct	*-31.53*	
		For >5,000, Deduct	*-49.24*	
33 01 30 71-0141	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	497.55	
		For Up To 75, Add	*103.10*	
		For >75 To 150, Add	*49.76*	
		For >500 To 1,000, Deduct	*-11.39*	
		For >1,000 To 2,000, Deduct	*-22.41*	
		For >2,000 To 5,000, Deduct	*-34.16*	
		For >5,000, Deduct	*-53.34*	
33 01 30 71-0142	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	535.82	
		For Up To 75, Add	*111.03*	
		For >75 To 150, Add	*53.58*	
		For >500 To 1,000, Deduct	*-12.26*	
		For >1,000 To 2,000, Deduct	*-24.14*	
		For >2,000 To 5,000, Deduct	*-36.78*	
		For >5,000, Deduct	*-57.44*	
33 01 30 71-0143	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	574.10	
		For Up To 75, Add	*118.96*	
		For >75 To 150, Add	*57.41*	
		For >500 To 1,000, Deduct	*-13.14*	
		For >1,000 To 2,000, Deduct	*-25.86*	
		For >2,000 To 5,000, Deduct	*-39.41*	
		For >5,000, Deduct	*-61.55*	
33 01 30 71-0144	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	612.37	
		For Up To 75, Add	*126.89*	
		For >75 To 150, Add	*61.24*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000 To 2,000, Deduct	*-27.58*	
		For >2,000 To 5,000, Deduct	*-42.04*	
		For >5,000, Deduct	*-65.65*	
33 01 30 71-0145	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	650.64	
		For Up To 75, Add	*134.82*	
		For >75 To 150, Add	*65.06*	
		For >500 To 1,000, Deduct	*-14.89*	
		For >1,000 To 2,000, Deduct	*-29.31*	
		For >2,000 To 5,000, Deduct	*-44.66*	
		For >5,000, Deduct	*-69.75*	
33 01 30 71-0146	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	688.92	
		For Up To 75, Add	*142.75*	
		For >75 To 150, Add	*68.89*	
		For >500 To 1,000, Deduct	*-15.76*	
		For >1,000 To 2,000, Deduct	*-31.03*	
		For >2,000 To 5,000, Deduct	*-47.29*	
		For >5,000, Deduct	*-73.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0147	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	727.19	
		For Up To 75, Add	*150.68*	
		For >75 To 150, Add	*72.72*	
		For >500 To 1,000, Deduct	*-16.64*	
		For >1,000 To 2,000, Deduct	*-32.76*	
		For >2,000 To 5,000, Deduct	*-49.92*	
		For >5,000, Deduct	*-77.96*	
33 01 30 71-0148	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	765.46	
		For Up To 75, Add	*158.61*	
		For >75 To 150, Add	*76.55*	
		For >500 To 1,000, Deduct	*-17.52*	
		For >1,000 To 2,000, Deduct	*-34.48*	
		For >2,000 To 5,000, Deduct	*-52.55*	
		For >5,000, Deduct	*-82.06*	
33 01 30 71-0149	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.36	
33 01 30 71-0150		Lining Pipe With Rib Loc *(33 01 30 71-0001)*		
33 01 30 71-0151	LF	Lining 6" Pipe With Rib Loc	49.11	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-2.40*	
		For >2,000 To 5,000, Deduct	*-3.70*	
		For >5,000, Deduct	*-5.54*	
33 01 30 71-0152	LF	Lining 8" Pipe With Rib Loc	54.65	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000 To 2,000, Deduct	*-2.66*	
		For >2,000 To 5,000, Deduct	*-4.09*	
		For >5,000, Deduct	*-6.14*	
33 01 30 71-0153	LF	Lining 10" Pipe With Rib Loc	76.19	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000 To 2,000, Deduct	*-3.56*	
		For >2,000 To 5,000, Deduct	*-5.46*	
		For >5,000, Deduct	*-8.36*	
33 01 30 71-0154	LF	Lining 12" Pipe With Rib Loc	97.33	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000 To 2,000, Deduct	*-4.46*	
		For >2,000 To 5,000, Deduct	*-6.81*	
		For >5,000, Deduct	*-10.55*	
33 01 30 71-0155	LF	Lining 15" Pipe With Rib Loc	129.95	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000 To 2,000, Deduct	*-5.84*	
		For >2,000 To 5,000, Deduct	*-8.90*	
		For >5,000, Deduct	*-13.92*	
33 01 30 71-0156	LF	Lining 18" Pipe With Rib Loc	168.01	
		For >500 To 1,000, Deduct	*-3.78*	
		For >1,000 To 2,000, Deduct	*-7.45*	
		For >2,000 To 5,000, Deduct	*-11.33*	
		For >5,000, Deduct	*-17.84*	
33 01 30 71-0157	LF	Lining 21" Pipe With Rib Loc	211.43	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000 To 2,000, Deduct	*-9.25*	
		For >2,000 To 5,000, Deduct	*-14.04*	
		For >5,000, Deduct	*-22.27*	
33 01 30 71-0158	LF	Lining 24" Pipe With Rib Loc	262.06	
		For >500 To 1,000, Deduct	*-5.73*	
		For >1,000 To 2,000, Deduct	*-11.34*	
		For >2,000 To 5,000, Deduct	*-17.20*	
		For >5,000, Deduct	*-27.44*	
33 01 30 71-0159	LF	Lining 27" Pipe With Rib Loc	314.24	
		For >500 To 1,000, Deduct	*-6.83*	
		For >1,000 To 2,000, Deduct	*-13.52*	
		For >2,000 To 5,000, Deduct	*-20.48*	
		For >5,000, Deduct	*-32.78*	
33 01 30 71-0160	LF	Lining 30" Pipe With Rib Loc	373.07	
		For >500 To 1,000, Deduct	*-8.06*	
		For >1,000 To 2,000, Deduct	*-15.98*	
		For >2,000 To 5,000, Deduct	*-24.19*	
		For >5,000, Deduct	*-38.81*	
33 01 30 71-0161	LF	Lining 36" Pipe With Rib Loc	476.29	
		For >500 To 1,000, Deduct	*-10.20*	
		For >1,000 To 2,000, Deduct	*-20.24*	
		For >2,000 To 5,000, Deduct	*-30.61*	
		For >5,000, Deduct	*-49.32*	
33 01 30 71-0162	LF	Lining 42" Pipe With Rib Loc	593.60	
		For >500 To 1,000, Deduct	*-12.65*	
		For >1,000 To 2,000, Deduct	*-25.10*	
		For >2,000 To 5,000, Deduct	*-37.94*	
		For >5,000, Deduct	*-61.29*	
33 01 30 71-0163	LF	Lining 48" Pipe With Rib Loc	726.87	
		For >500 To 1,000, Deduct	*-15.44*	
		For >1,000 To 2,000, Deduct	*-30.65*	
		For >2,000 To 5,000, Deduct	*-46.32*	
		For >5,000, Deduct	*-74.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0164	LF	Lining 54" Pipe With Rib Loc	859.46	
		For >500 To 1,000, Deduct	*-18.27*	
		For >1,000 To 2,000, Deduct	*-36.27*	
		For >2,000 To 5,000, Deduct	*-54.82*	
		For >5,000, Deduct	*-88.65*	
33 01 30 71-0165	LF	Lining 60" Pipe With Rib Loc	1,013.39	
		For >500 To 1,000, Deduct	*-21.74*	
		For >1,000 To 2,000, Deduct	*-43.12*	
		For >2,000 To 5,000, Deduct	*-65.23*	
		For >5,000, Deduct	*-105.03*	
33 01 30 71-0166	LF	Lining 66" Pipe With Rib Loc	1,201.21	
		For >500 To 1,000, Deduct	*-26.34*	
		For >1,000 To 2,000, Deduct	*-52.11*	
		For >2,000 To 5,000, Deduct	*-79.03*	
		For >5,000, Deduct	*-125.92*	
33 01 30 71-0167	LF	Lining 72" Pipe With Rib Loc	1,446.05	
		For >500 To 1,000, Deduct	*-32.98*	
		For >1,000 To 2,000, Deduct	*-64.95*	
		For >2,000 To 5,000, Deduct	*-98.95*	
		For >5,000, Deduct	*-154.76*	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,624.41
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	2,707.35
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	4,061.02
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP)	5,414.69
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	812.20
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	1,353.67
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	1,692.09
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP)	2,165.88
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	1,353.67
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	3,248.82
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	5,414.69
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	8,122.04

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	23.72
		For Vinlyester Resin, Add	*6.66*
		For Epoxy Resin, Add	*0.78*
		For Up To >10, Add	*47.39*
		For >10 To 25, Add	*37.90*
		For >25 To 50, Add	*23.22*
		For >50 To 100, Add	*11.61*
		For >500 To 1,000, Deduct	*-1.54*
		For >1,000 To 2,000, Deduct	*-2.49*
		For >2,000 To 5,000, Deduct	*-4.69*
		For >5,000, Deduct	*-7.59*
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	28.93
		For Vinlyester Resin, Add	*10.30*
		For Epoxy Resin, Add	*1.21*
		For Up To >10, Add	*49.99*
		For >10 To 25, Add	*39.21*
		For >25 To 50, Add	*24.26*
		For >50 To 100, Add	*12.13*
		For >500 To 1,000, Deduct	*-1.80*
		For >1,000 To 2,000, Deduct	*-2.88*
		For >2,000 To 5,000, Deduct	*-5.32*
		For >5,000, Deduct	*-8.63*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	34.15	
		For Vinlyester Resin, Add	*13.96*	
		For Epoxy Resin, Add	*1.65*	
		For Up To >10, Add	*52.60*	
		For >10 To 25, Add	*40.51*	
		For >25 To 50, Add	*25.30*	
		For >50 To 100, Add	*12.65*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000 To 2,000, Deduct	*-3.27*	
		For >2,000 To 5,000, Deduct	*-5.95*	
		For >5,000, Deduct	*-9.67*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	45.94	
		For Vinlyester Resin, Add	*21.26*	
		For Epoxy Resin, Add	*2.51*	
		For Up To >10, Add	*61.90*	
		For >10 To 25, Add	*46.52*	
		For >25 To 50, Add	*29.43*	
		For >50 To 100, Add	*14.71*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000 To 2,000, Deduct	*-4.22*	
		For >2,000 To 5,000, Deduct	*-7.54*	
		For >5,000, Deduct	*-12.30*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	57.73	
		For Vinlyester Resin, Add	*28.57*	
		For Epoxy Resin, Add	*3.37*	
		For Up To >10, Add	*71.17*	
		For >10 To 25, Add	*52.50*	
		For >25 To 50, Add	*33.54*	
		For >50 To 100, Add	*16.77*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000 To 2,000, Deduct	*-5.18*	
		For >2,000 To 5,000, Deduct	*-9.13*	
		For >5,000, Deduct	*-14.93*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	33.43	
		For Vinlyester Resin, Add	*13.45*	
		For Epoxy Resin, Add	*1.59*	
		For Up To >10, Add	*52.24*	
		For >10 To 25, Add	*40.33*	
		For >25 To 50, Add	*25.16*	
		For >50 To 100, Add	*12.58*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000 To 2,000, Deduct	*-3.22*	
		For >2,000 To 5,000, Deduct	*-5.86*	
		For >5,000, Deduct	*-9.53*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	40.39	
		For Vinlyester Resin, Add	*18.33*	
		For Epoxy Resin, Add	*2.16*	
		For Up To >10, Add	*55.72*	
		For >10 To 25, Add	*42.07*	
		For >25 To 50, Add	*26.55*	
		For >50 To 100, Add	*13.28*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000 To 2,000, Deduct	*-3.74*	
		For >2,000 To 5,000, Deduct	*-6.69*	
		For >5,000, Deduct	*-10.92*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	55.66	
		For Vinlyester Resin, Add	*28.06*	
		For Epoxy Resin, Add	*3.31*	
		For Up To >10, Add	*66.76*	
		For >10 To 25, Add	*48.95*	
		For >25 To 50, Add	*31.37*	
		For >50 To 100, Add	*15.69*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000 To 2,000, Deduct	*-4.95*	
		For >2,000 To 5,000, Deduct	*-8.70*	
		For >5,000, Deduct	*-14.25*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	70.92	
		For Vinlyester Resin, Add	*37.80*	
		For Epoxy Resin, Add	*4.46*	
		For Up To >10, Add	*77.76*	
		For >10 To 25, Add	*55.80*	
		For >25 To 50, Add	*36.18*	
		For >50 To 100, Add	*18.09*	
		For >500 To 1,000, Deduct	*-3.97*	
		For >1,000 To 2,000, Deduct	*-6.17*	
		For >2,000 To 5,000, Deduct	*-10.71*	
		For >5,000, Deduct	*-17.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	86.32	
		For Vinlyester Resin, Add	*47.54*	
		For Epoxy Resin, Add	*5.60*	
		For Up To >10, Add	*89.19*	
		For >10 To 25, Add	*63.00*	
		For >25 To 50, Add	*41.20*	
		For >50 To 100, Add	*20.60*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000 To 2,000, Deduct	*-7.39*	
		For >2,000 To 5,000, Deduct	*-12.75*	
		For >5,000, Deduct	*-20.95*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.13	
		For Vinlyester Resin, Add	*57.27*	
		For Epoxy Resin, Add	*6.75*	
		For Up To >10, Add	*101.84*	
		For >10 To 25, Add	*71.23*	
		For >25 To 50, Add	*46.83*	
		For >50 To 100, Add	*23.41*	
		For >500 To 1,000, Deduct	*-5.61*	
		For >1,000 To 2,000, Deduct	*-8.68*	
		For >2,000 To 5,000, Deduct	*-14.90*	
		For >5,000, Deduct	*-24.49*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	46.42	
		For Vinlyester Resin, Add	*22.55*	
		For Epoxy Resin, Add	*2.66*	
		For Up To >10, Add	*58.74*	
		For >10 To 25, Add	*43.58*	
		For >25 To 50, Add	*27.76*	
		For >50 To 100, Add	*13.88*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000 To 2,000, Deduct	*-4.19*	
		For >2,000 To 5,000, Deduct	*-7.42*	
		For >5,000, Deduct	*-12.13*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	65.16	
		For Vinlyester Resin, Add	*34.71*	
		For Epoxy Resin, Add	*4.09*	
		For Up To >10, Add	*71.51*	
		For >10 To 25, Add	*51.32*	
		For >25 To 50, Add	*33.27*	
		For >50 To 100, Add	*16.64*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000 To 2,000, Deduct	*-5.67*	
		For >2,000 To 5,000, Deduct	*-9.84*	
		For >5,000, Deduct	*-16.15*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	83.90	
		For Vinlyester Resin, Add	*46.89*	
		For Epoxy Resin, Add	*5.53*	
		For Up To >10, Add	*84.25*	
		For >10 To 25, Add	*59.05*	
		For >25 To 50, Add	*38.78*	
		For >50 To 100, Add	*19.39*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-7.14*	
		For >2,000 To 5,000, Deduct	*-12.27*	
		For >5,000, Deduct	*-20.16*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.78	
		For Vinlyester Resin, Add	*59.06*	
		For Epoxy Resin, Add	*6.96*	
		For Up To >10, Add	*97.42*	
		For >10 To 25, Add	*67.12*	
		For >25 To 50, Add	*44.49*	
		For >50 To 100, Add	*22.24*	
		For >500 To 1,000, Deduct	*-5.60*	
		For >1,000 To 2,000, Deduct	*-8.63*	
		For >2,000 To 5,000, Deduct	*-14.73*	
		For >5,000, Deduct	*-24.24*	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	122.06	
		For Vinlyester Resin, Add	*71.23*	
		For Epoxy Resin, Add	*8.39*	
		For Up To >10, Add	*111.81*	
		For >10 To 25, Add	*76.21*	
		For >25 To 50, Add	*50.82*	
		For >50 To 100, Add	*25.41*	
		For >500 To 1,000, Deduct	*-6.61*	
		For >1,000 To 2,000, Deduct	*-10.17*	
		For >2,000 To 5,000, Deduct	*-17.29*	
		For >5,000, Deduct	*-28.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	150.85	
		For Vinlyester Resin, Add	*89.49*	
		For Epoxy Resin, Add	*10.55*	
		For Up To >10, Add	*132.95*	
		For >10 To 25, Add	*89.49*	
		For >25 To 50, Add	*60.08*	
		For >50 To 100, Add	*30.04*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000 To 2,000, Deduct	*-12.46*	
		For >2,000 To 5,000, Deduct	*-21.09*	
		For >5,000, Deduct	*-34.77*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	179.90	
		For Vinlyester Resin, Add	*107.74*	
		For Epoxy Resin, Add	*12.70*	
		For Up To >10, Add	*154.93*	
		For >10 To 25, Add	*103.45*	
		For >25 To 50, Add	*69.77*	
		For >50 To 100, Add	*34.88*	
		For >500 To 1,000, Deduct	*-9.64*	
		For >1,000 To 2,000, Deduct	*-14.79*	
		For >2,000 To 5,000, Deduct	*-24.97*	
		For >5,000, Deduct	*-41.18*	
33 01 30 72-0037		9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	74.46	
		For Vinlyester Resin, Add	*41.22*	
		For Epoxy Resin, Add	*4.86*	
		For Up To >10, Add	*76.16*	
		For >10 To 25, Add	*53.65*	
		For >25 To 50, Add	*35.13*	
		For >50 To 100, Add	*17.57*	
		For >500 To 1,000, Deduct	*-4.11*	
		For >1,000 To 2,000, Deduct	*-6.36*	
		For >2,000 To 5,000, Deduct	*-10.96*	
		For >5,000, Deduct	*-18.01*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	96.68	
		For Vinlyester Resin, Add	*55.83*	
		For Epoxy Resin, Add	*6.58*	
		For Up To >10, Add	*90.64*	
		For >10 To 25, Add	*62.24*	
		For >25 To 50, Add	*41.33*	
		For >50 To 100, Add	*20.67*	
		For >500 To 1,000, Deduct	*-5.26*	
		For >1,000 To 2,000, Deduct	*-8.10*	
		For >2,000 To 5,000, Deduct	*-13.80*	
		For >5,000, Deduct	*-22.72*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	119.04	
		For Vinlyester Resin, Add	*70.44*	
		For Epoxy Resin, Add	*8.30*	
		For Up To >10, Add	*105.55*	
		For >10 To 25, Add	*71.18*	
		For >25 To 50, Add	*47.74*	
		For >50 To 100, Add	*23.87*	
		For >500 To 1,000, Deduct	*-6.41*	
		For >1,000 To 2,000, Deduct	*-9.85*	
		For >2,000 To 5,000, Deduct	*-16.68*	
		For >5,000, Deduct	*-27.49*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	141.80	
		For Vinlyester Resin, Add	*85.04*	
		For Epoxy Resin, Add	*10.02*	
		For Up To >10, Add	*121.68*	
		For >10 To 25, Add	*81.15*	
		For >25 To 50, Add	*54.76*	
		For >50 To 100, Add	*27.38*	
		For >500 To 1,000, Deduct	*-7.60*	
		For >1,000 To 2,000, Deduct	*-11.65*	
		For >2,000 To 5,000, Deduct	*-19.66*	
		For >5,000, Deduct	*-32.42*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	175.80	
		For Vinlyester Resin, Add	*106.95*	
		For Epoxy Resin, Add	*12.61*	
		For Up To >10, Add	*145.43*	
		For >10 To 25, Add	*95.72*	
		For >25 To 50, Add	*65.07*	
		For >50 To 100, Add	*32.54*	
		For >500 To 1,000, Deduct	*-9.37*	
		For >1,000 To 2,000, Deduct	*-14.34*	
		For >2,000 To 5,000, Deduct	*-24.09*	
		For >5,000, Deduct	*-39.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.07	
		For Vinlyester Resin, Add	*128.86*	
		For Epoxy Resin, Add	*15.19*	
		For Up To >10, Add	*170.01*	
		For >10 To 25, Add	*111.00*	
		For >25 To 50, Add	*75.80*	
		For >50 To 100, Add	*37.90*	
		For >500 To 1,000, Deduct	*-11.15*	
		For >1,000 To 2,000, Deduct	*-17.05*	
		For >2,000 To 5,000, Deduct	*-28.59*	
		For >5,000, Deduct	*-47.21*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	243.54	
		For Vinlyester Resin, Add	*150.77*	
		For Epoxy Resin, Add	*17.77*	
		For Up To >10, Add	*192.17*	
		For >10 To 25, Add	*124.25*	
		For >25 To 50, Add	*85.32*	
		For >50 To 100, Add	*42.66*	
		For >500 To 1,000, Deduct	*-12.88*	
		For >1,000 To 2,000, Deduct	*-19.67*	
		For >2,000 To 5,000, Deduct	*-32.89*	
		For >5,000, Deduct	*-54.34*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	277.41	
		For Vinlyester Resin, Add	*172.68*	
		For Epoxy Resin, Add	*20.35*	
		For Up To >10, Add	*215.53*	
		For >10 To 25, Add	*138.50*	
		For >25 To 50, Add	*95.43*	
		For >50 To 100, Add	*47.72*	
		For >500 To 1,000, Deduct	*-14.64*	
		For >1,000 To 2,000, Deduct	*-22.34*	
		For >2,000 To 5,000, Deduct	*-37.28*	
		For >5,000, Deduct	*-61.63*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	200.54	
		For Vinlyester Resin, Add	*124.27*	
		For Epoxy Resin, Add	*14.65*	
		For Up To >10, Add	*157.80*	
		For >10 To 25, Add	*101.91*	
		For >25 To 50, Add	*70.02*	
		For >50 To 100, Add	*35.01*	
		For >500 To 1,000, Deduct	*-10.60*	
		For >1,000 To 2,000, Deduct	*-16.19*	
		For >2,000 To 5,000, Deduct	*-27.06*	
		For >5,000, Deduct	*-44.71*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.03	
		For Vinlyester Resin, Add	*149.83*	
		For Epoxy Resin, Add	*17.66*	
		For Up To >10, Add	*184.99*	
		For >10 To 25, Add	*118.49*	
		For >25 To 50, Add	*81.79*	
		For >50 To 100, Add	*40.90*	
		For >500 To 1,000, Deduct	*-12.65*	
		For >1,000 To 2,000, Deduct	*-19.30*	
		For >2,000 To 5,000, Deduct	*-32.18*	
		For >5,000, Deduct	*-53.20*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	278.72	
		For Vinlyester Resin, Add	*175.39*	
		For Epoxy Resin, Add	*20.67*	
		For Up To >10, Add	*209.76*	
		For >10 To 25, Add	*133.04*	
		For >25 To 50, Add	*92.35*	
		For >50 To 100, Add	*46.18*	
		For >500 To 1,000, Deduct	*-14.64*	
		For >1,000 To 2,000, Deduct	*-22.31*	
		For >2,000 To 5,000, Deduct	*-37.11*	
		For >5,000, Deduct	*-61.38*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	317.80	
		For Vinlyester Resin, Add	*200.95*	
		For Epoxy Resin, Add	*23.68*	
		For Up To >10, Add	*235.73*	
		For >10 To 25, Add	*148.59*	
		For >25 To 50, Add	*103.51*	
		For >50 To 100, Add	*51.75*	
		For >500 To 1,000, Deduct	*-16.66*	
		For >1,000 To 2,000, Deduct	*-25.37*	
		For >2,000 To 5,000, Deduct	*-42.13*	
		For >5,000, Deduct	*-69.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.42	
		For Vinlyester Resin, Add	*226.51*	
		For Epoxy Resin, Add	*26.70*	
		For Up To >10, Add	*263.31*	
		For >10 To 25, Add	*165.50*	
		For >25 To 50, Add	*115.48*	
		For >50 To 100, Add	*57.74*	
		For >500 To 1,000, Deduct	*-18.72*	
		For >1,000 To 2,000, Deduct	*-28.50*	
		For >2,000 To 5,000, Deduct	*-47.29*	
		For >5,000, Deduct	*-78.25*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	397.73	
		For Vinlyester Resin, Add	*252.07*	
		For Epoxy Resin, Add	*29.71*	
		For Up To >10, Add	*292.94*	
		For >10 To 25, Add	*184.10*	
		For >25 To 50, Add	*128.47*	
		For >50 To 100, Add	*64.23*	
		For >500 To 1,000, Deduct	*-20.83*	
		For >1,000 To 2,000, Deduct	*-31.71*	
		For >2,000 To 5,000, Deduct	*-52.62*	
		For >5,000, Deduct	*-87.07*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	475.49	
		For Vinlyester Resin, Add	*303.18*	
		For Epoxy Resin, Add	*35.73*	
		For Up To >10, Add	*343.67*	
		For >10 To 25, Add	*214.21*	
		For >25 To 50, Add	*150.18*	
		For >50 To 100, Add	*75.09*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000 To 2,000, Deduct	*-37.78*	
		For >2,000 To 5,000, Deduct	*-62.57*	
		For >5,000, Deduct	*-103.57*	
33 01 30 72-0054		12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	225.08	
		For Vinlyester Resin, Add	*141.45*	
		For Epoxy Resin, Add	*16.67*	
		For Up To >10, Add	*170.07*	
		For >10 To 25, Add	*108.04*	
		For >25 To 50, Add	*74.93*	
		For >50 To 100, Add	*37.46*	
		For >500 To 1,000, Deduct	*-11.83*	
		For >1,000 To 2,000, Deduct	*-18.03*	
		For >2,000 To 5,000, Deduct	*-30.00*	
		For >5,000, Deduct	*-49.62*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	269.79	
		For Vinlyester Resin, Add	*170.66*	
		For Epoxy Resin, Add	*20.11*	
		For Up To >10, Add	*199.87*	
		For >10 To 25, Add	*125.93*	
		For >25 To 50, Add	*87.75*	
		For >50 To 100, Add	*43.87*	
		For >500 To 1,000, Deduct	*-14.14*	
		For >1,000 To 2,000, Deduct	*-21.53*	
		For >2,000 To 5,000, Deduct	*-35.75*	
		For >5,000, Deduct	*-59.16*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.69	
		For Vinlyester Resin, Add	*199.87*	
		For Epoxy Resin, Add	*23.56*	
		For Up To >10, Add	*227.25*	
		For >10 To 25, Add	*141.78*	
		For >25 To 50, Add	*99.35*	
		For >50 To 100, Add	*49.67*	
		For >500 To 1,000, Deduct	*-16.39*	
		For >1,000 To 2,000, Deduct	*-24.93*	
		For >2,000 To 5,000, Deduct	*-41.30*	
		For >5,000, Deduct	*-68.37*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.99	
		For Vinlyester Resin, Add	*229.08*	
		For Epoxy Resin, Add	*27.00*	
		For Up To >10, Add	*255.82*	
		For >10 To 25, Add	*158.64*	
		For >25 To 50, Add	*111.55*	
		For >50 To 100, Add	*55.77*	
		For >500 To 1,000, Deduct	*-18.67*	
		For >1,000 To 2,000, Deduct	*-28.39*	
		For >2,000 To 5,000, Deduct	*-46.95*	
		For >5,000, Deduct	*-77.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	402.83	
		For Vinlyester Resin, Add	*258.29*	
		For Epoxy Resin, Add	*30.44*	
		For Up To >10, Add	*286.02*	
		For >10 To 25, Add	*176.85*	
		For >25 To 50, Add	*124.56*	
		For >50 To 100, Add	*62.28*	
		For >500 To 1,000, Deduct	*-20.99*	
		For >1,000 To 2,000, Deduct	*-31.90*	
		For >2,000 To 5,000, Deduct	*-52.74*	
		For >5,000, Deduct	*-87.33*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.35	
		For Vinlyester Resin, Add	*287.50*	
		For Epoxy Resin, Add	*33.88*	
		For Up To >10, Add	*318.25*	
		For >10 To 25, Add	*196.76*	
		For >25 To 50, Add	*138.59*	
		For >50 To 100, Add	*69.29*	
		For >500 To 1,000, Deduct	*-23.36*	
		For >1,000 To 2,000, Deduct	*-35.51*	
		For >2,000 To 5,000, Deduct	*-58.69*	
		For >5,000, Deduct	*-97.20*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	536.55	
		For Vinlyester Resin, Add	*345.93*	
		For Epoxy Resin, Add	*40.77*	
		For Up To >10, Add	*374.20*	
		For >10 To 25, Add	*229.47*	
		For >25 To 50, Add	*162.39*	
		For >50 To 100, Add	*81.20*	
		For >500 To 1,000, Deduct	*-27.89*	
		For >1,000 To 2,000, Deduct	*-42.36*	
		For >2,000 To 5,000, Deduct	*-69.89*	
		For >5,000, Deduct	*-115.78*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	625.95	
		For Vinlyester Resin, Add	*404.34*	
		For Epoxy Resin, Add	*47.65*	
		For Up To >10, Add	*433.78*	
		For >10 To 25, Add	*265.21*	
		For >25 To 50, Add	*188.01*	
		For >50 To 100, Add	*94.00*	
		For >500 To 1,000, Deduct	*-32.51*	
		For >1,000 To 2,000, Deduct	*-49.36*	
		For >2,000 To 5,000, Deduct	*-81.40*	
		For >5,000, Deduct	*-134.85*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	717.54	
		For Vinlyester Resin, Add	*462.76*	
		For Epoxy Resin, Add	*54.54*	
		For Up To >10, Add	*499.90*	
		For >10 To 25, Add	*306.40*	
		For >25 To 50, Add	*216.89*	
		For >50 To 100, Add	*108.45*	
		For >500 To 1,000, Deduct	*-37.29*	
		For >1,000 To 2,000, Deduct	*-56.64*	
		For >2,000 To 5,000, Deduct	*-93.44*	
		For >5,000, Deduct	*-154.80*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	249.41	
		For Vinlyester Resin, Add	*158.48*	
		For Epoxy Resin, Add	*18.68*	
		For Up To >10, Add	*182.23*	
		For >10 To 25, Add	*114.13*	
		For >25 To 50, Add	*79.80*	
		For >50 To 100, Add	*39.90*	
		For >500 To 1,000, Deduct	*-13.05*	
		For >1,000 To 2,000, Deduct	*-19.86*	
		For >2,000 To 5,000, Deduct	*-32.92*	
		For >5,000, Deduct	*-54.48*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	299.35	
		For Vinlyester Resin, Add	*191.35*	
		For Epoxy Resin, Add	*22.55*	
		For Up To >10, Add	*214.65*	
		For >10 To 25, Add	*133.32*	
		For >25 To 50, Add	*93.66*	
		For >50 To 100, Add	*46.83*	
		For >500 To 1,000, Deduct	*-15.62*	
		For >1,000 To 2,000, Deduct	*-23.75*	
		For >2,000 To 5,000, Deduct	*-39.30*	
		For >5,000, Deduct	*-65.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	348.46	
		For Vinlyester Resin, Add	*224.21*	
		For Epoxy Resin, Add	*26.42*	
		For Up To >10, Add	*244.63*	
		For >10 To 25, Add	*150.48*	
		For >25 To 50, Add	*106.30*	
		For >50 To 100, Add	*53.15*	
		For >500 To 1,000, Deduct	*-18.13*	
		For >1,000 To 2,000, Deduct	*-27.54*	
		For >2,000 To 5,000, Deduct	*-45.48*	
		For >5,000, Deduct	*-75.32*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	397.98	
		For Vinlyester Resin, Add	*257.08*	
		For Epoxy Resin, Add	*30.30*	
		For Up To >10, Add	*275.82*	
		For >10 To 25, Add	*168.64*	
		For >25 To 50, Add	*119.55*	
		For >50 To 100, Add	*59.77*	
		For >500 To 1,000, Deduct	*-20.67*	
		For >1,000 To 2,000, Deduct	*-31.39*	
		For >2,000 To 5,000, Deduct	*-51.75*	
		For >5,000, Deduct	*-85.74*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.03	
		For Vinlyester Resin, Add	*289.93*	
		For Epoxy Resin, Add	*34.17*	
		For Up To >10, Add	*308.62*	
		For >10 To 25, Add	*188.15*	
		For >25 To 50, Add	*133.60*	
		For >50 To 100, Add	*66.80*	
		For >500 To 1,000, Deduct	*-23.25*	
		For >1,000 To 2,000, Deduct	*-35.29*	
		For >2,000 To 5,000, Deduct	*-58.16*	
		For >5,000, Deduct	*-96.37*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	498.76	
		For Vinlyester Resin, Add	*322.79*	
		For Epoxy Resin, Add	*38.04*	
		For Up To >10, Add	*343.46*	
		For >10 To 25, Add	*209.36*	
		For >25 To 50, Add	*148.67*	
		For >50 To 100, Add	*74.34*	
		For >500 To 1,000, Deduct	*-25.88*	
		For >1,000 To 2,000, Deduct	*-39.29*	
		For >2,000 To 5,000, Deduct	*-64.74*	
		For >5,000, Deduct	*-107.28*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	597.39	
		For Vinlyester Resin, Add	*388.51*	
		For Epoxy Resin, Add	*45.79*	
		For Up To >10, Add	*404.62*	
		For >10 To 25, Add	*244.68*	
		For >25 To 50, Add	*174.56*	
		For >50 To 100, Add	*87.28*	
		For >500 To 1,000, Deduct	*-30.93*	
		For >1,000 To 2,000, Deduct	*-46.92*	
		For >2,000 To 5,000, Deduct	*-77.19*	
		For >5,000, Deduct	*-127.95*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	697.23	
		For Vinlyester Resin, Add	*454.24*	
		For Epoxy Resin, Add	*53.54*	
		For Up To >10, Add	*469.42*	
		For >10 To 25, Add	*283.03*	
		For >25 To 50, Add	*202.26*	
		For >50 To 100, Add	*101.13*	
		For >500 To 1,000, Deduct	*-36.07*	
		For >1,000 To 2,000, Deduct	*-54.71*	
		For >2,000 To 5,000, Deduct	*-89.95*	
		For >5,000, Deduct	*-149.11*	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	799.25	
		For Vinlyester Resin, Add	*519.96*	
		For Epoxy Resin, Add	*61.28*	
		For Up To >10, Add	*540.75*	
		For >10 To 25, Add	*326.83*	
		For >25 To 50, Add	*233.24*	
		For >50 To 100, Add	*116.62*	
		For >500 To 1,000, Deduct	*-41.37*	
		For >1,000 To 2,000, Deduct	*-62.77*	
		For >2,000 To 5,000, Deduct	*-103.25*	
		For >5,000, Deduct	*-171.14*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	273.55	
		For Vinlyester Resin, Add	*175.38*	
		For Epoxy Resin, Add	*20.67*	
		For Up To >10, Add	*194.30*	
		For >10 To 25, Add	*120.16*	
		For >25 To 50, Add	*84.62*	
		For >50 To 100, Add	*42.31*	
		For >500 To 1,000, Deduct	*-14.25*	
		For >1,000 To 2,000, Deduct	*-21.67*	
		For >2,000 To 5,000, Deduct	*-35.82*	
		For >5,000, Deduct	*-59.31*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	328.69	
		For Vinlyester Resin, Add	*211.89*	
		For Epoxy Resin, Add	*24.97*	
		For Up To >10, Add	*229.32*	
		For >10 To 25, Add	*140.65*	
		For >25 To 50, Add	*99.53*	
		For >50 To 100, Add	*49.76*	
		For >500 To 1,000, Deduct	*-17.08*	
		For >1,000 To 2,000, Deduct	*-25.95*	
		For >2,000 To 5,000, Deduct	*-42.82*	
		For >5,000, Deduct	*-70.94*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	383.02	
		For Vinlyester Resin, Add	*248.40*	
		For Epoxy Resin, Add	*29.28*	
		For Up To >10, Add	*261.91*	
		For >10 To 25, Add	*159.12*	
		For >25 To 50, Add	*113.21*	
		For >50 To 100, Add	*56.61*	
		For >500 To 1,000, Deduct	*-19.86*	
		For >1,000 To 2,000, Deduct	*-30.13*	
		For >2,000 To 5,000, Deduct	*-49.62*	
		For >5,000, Deduct	*-82.24*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	437.75	
		For Vinlyester Resin, Add	*284.91*	
		For Epoxy Resin, Add	*33.58*	
		For Up To >10, Add	*295.70*	
		For >10 To 25, Add	*178.58*	
		For >25 To 50, Add	*127.50*	
		For >50 To 100, Add	*63.75*	
		For >500 To 1,000, Deduct	*-22.66*	
		For >1,000 To 2,000, Deduct	*-34.37*	
		For >2,000 To 5,000, Deduct	*-56.52*	
		For >5,000, Deduct	*-93.70*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	493.02	
		For Vinlyester Resin, Add	*321.43*	
		For Epoxy Resin, Add	*37.88*	
		For Up To >10, Add	*331.11*	
		For >10 To 25, Add	*199.40*	
		For >25 To 50, Add	*142.60*	
		For >50 To 100, Add	*71.30*	
		For >500 To 1,000, Deduct	*-25.50*	
		For >1,000 To 2,000, Deduct	*-38.67*	
		For >2,000 To 5,000, Deduct	*-63.56*	
		For >5,000, Deduct	*-105.37*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	548.97	
		For Vinlyester Resin, Add	*357.94*	
		For Epoxy Resin, Add	*42.19*	
		For Up To >10, Add	*368.56*	
		For >10 To 25, Add	*221.91*	
		For >25 To 50, Add	*158.71*	
		For >50 To 100, Add	*79.36*	
		For >500 To 1,000, Deduct	*-28.39*	
		For >1,000 To 2,000, Deduct	*-43.05*	
		For >2,000 To 5,000, Deduct	*-70.77*	
		For >5,000, Deduct	*-117.32*	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	658.04	
		For Vinlyester Resin, Add	*430.97*	
		For Epoxy Resin, Add	*50.79*	
		For Up To >10, Add	*434.95*	
		For >10 To 25, Add	*259.84*	
		For >25 To 50, Add	*186.69*	
		For >50 To 100, Add	*93.34*	
		For >500 To 1,000, Deduct	*-33.96*	
		For >1,000 To 2,000, Deduct	*-51.47*	
		For >2,000 To 5,000, Deduct	*-84.47*	
		For >5,000, Deduct	*-140.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	768.31	
		For Vinlyester Resin, Add	*503.99*	
		For Epoxy Resin, Add	*59.40*	
		For Up To >10, Add	*504.96*	
		For >10 To 25, Add	*300.80*	
		For >25 To 50, Add	*216.48*	
		For >50 To 100, Add	*108.24*	
		For >500 To 1,000, Deduct	*-39.62*	
		For >1,000 To 2,000, Deduct	*-60.04*	
		For >2,000 To 5,000, Deduct	*-98.48*	
		For >5,000, Deduct	*-163.33*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	880.76	
		For Vinlyester Resin, Add	*577.02*	
		For Epoxy Resin, Add	*68.01*	
		For Up To >10, Add	*581.51*	
		For >10 To 25, Add	*347.20*	
		For >25 To 50, Add	*249.54*	
		For >50 To 100, Add	*124.77*	
		For >500 To 1,000, Deduct	*-45.45*	
		For >1,000 To 2,000, Deduct	*-68.88*	
		For >2,000 To 5,000, Deduct	*-113.03*	
		For >5,000, Deduct	*-187.44*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.83	
		For Vinlyester Resin, Add	*232.29*	
		For Epoxy Resin, Add	*27.38*	
		For Up To >10, Add	*243.89*	
		For >10 To 25, Add	*147.94*	
		For >25 To 50, Add	*105.35*	
		For >50 To 100, Add	*52.68*	
		For >500 To 1,000, Deduct	*-18.54*	
		For >1,000 To 2,000, Deduct	*-28.14*	
		For >2,000 To 5,000, Deduct	*-46.32*	
		For >5,000, Deduct	*-76.76*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.37	
		For Vinlyester Resin, Add	*272.45*	
		For Epoxy Resin, Add	*32.11*	
		For Up To >10, Add	*279.09*	
		For >10 To 25, Add	*167.70*	
		For >25 To 50, Add	*120.08*	
		For >50 To 100, Add	*60.04*	
		For >500 To 1,000, Deduct	*-21.57*	
		For >1,000 To 2,000, Deduct	*-32.71*	
		For >2,000 To 5,000, Deduct	*-53.75*	
		For >5,000, Deduct	*-89.11*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	477.32	
		For Vinlyester Resin, Add	*312.61*	
		For Epoxy Resin, Add	*36.84*	
		For Up To >10, Add	*315.49*	
		For >10 To 25, Add	*188.47*	
		For >25 To 50, Add	*135.41*	
		For >50 To 100, Add	*67.71*	
		For >500 To 1,000, Deduct	*-24.63*	
		For >1,000 To 2,000, Deduct	*-37.34*	
		For >2,000 To 5,000, Deduct	*-61.27*	
		For >5,000, Deduct	*-101.61*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	537.81	
		For Vinlyester Resin, Add	*352.78*	
		For Epoxy Resin, Add	*41.58*	
		For Up To >10, Add	*353.51*	
		For >10 To 25, Add	*210.59*	
		For >25 To 50, Add	*151.55*	
		For >50 To 100, Add	*75.78*	
		For >500 To 1,000, Deduct	*-27.74*	
		For >1,000 To 2,000, Deduct	*-42.03*	
		For >2,000 To 5,000, Deduct	*-68.94*	
		For >5,000, Deduct	*-114.33*	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	598.98	
		For Vinlyester Resin, Add	*392.95*	
		For Epoxy Resin, Add	*46.31*	
		For Up To >10, Add	*393.57*	
		For >10 To 25, Add	*234.41*	
		For >25 To 50, Add	*168.72*	
		For >50 To 100, Add	*84.36*	
		For >500 To 1,000, Deduct	*-30.89*	
		For >1,000 To 2,000, Deduct	*-46.81*	
		For >2,000 To 5,000, Deduct	*-76.77*	
		For >5,000, Deduct	*-127.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	718.48	
		For Vinlyester Resin, Add	*473.28*	
		For Epoxy Resin, Add	*55.78*	
		For Up To >10, Add	*465.17*	
		For >10 To 25, Add	*274.95*	
		For >25 To 50, Add	*198.78*	
		For >50 To 100, Add	*99.39*	
		For >500 To 1,000, Deduct	*-36.98*	
		For >1,000 To 2,000, Deduct	*-56.00*	
		For >2,000 To 5,000, Deduct	*-91.73*	
		For >5,000, Deduct	*-152.17*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	839.18	
		For Vinlyester Resin, Add	*553.60*	
		For Epoxy Resin, Add	*65.25*	
		For Up To >10, Add	*540.39*	
		For >10 To 25, Add	*318.52*	
		For >25 To 50, Add	*230.65*	
		For >50 To 100, Add	*115.33*	
		For >500 To 1,000, Deduct	*-43.17*	
		For >1,000 To 2,000, Deduct	*-65.35*	
		For >2,000 To 5,000, Deduct	*-106.98*	
		For >5,000, Deduct	*-177.50*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	962.06	
		For Vinlyester Resin, Add	*633.93*	
		For Epoxy Resin, Add	*74.71*	
		For Up To >10, Add	*622.16*	
		For >10 To 25, Add	*367.53*	
		For >25 To 50, Add	*265.80*	
		For >50 To 100, Add	*132.90*	
		For >500 To 1,000, Deduct	*-49.51*	
		For >1,000 To 2,000, Deduct	*-74.98*	
		For >2,000 To 5,000, Deduct	*-122.79*	
		For >5,000, Deduct	*-203.70*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,083.99	
		For Vinlyester Resin, Add	*714.26*	
		For Epoxy Resin, Add	*84.18*	
		For Up To >10, Add	*701.05*	
		For >10 To 25, Add	*414.14*	
		For >25 To 50, Add	*299.50*	
		For >50 To 100, Add	*149.75*	
		For >500 To 1,000, Deduct	*-55.79*	
		For >1,000 To 2,000, Deduct	*-84.48*	
		For >2,000 To 5,000, Deduct	*-138.35*	
		For >5,000, Deduct	*-229.52*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	387.44	
		For Vinlyester Resin, Add	*252.54*	
		For Epoxy Resin, Add	*29.76*	
		For Up To >10, Add	*260.40*	
		For >10 To 25, Add	*156.87*	
		For >25 To 50, Add	*112.16*	
		For >50 To 100, Add	*56.08*	
		For >500 To 1,000, Deduct	*-20.04*	
		For >1,000 To 2,000, Deduct	*-30.39*	
		For >2,000 To 5,000, Deduct	*-49.96*	
		For >5,000, Deduct	*-82.82*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.34	
		For Vinlyester Resin, Add	*296.36*	
		For Epoxy Resin, Add	*34.93*	
		For Up To >10, Add	*298.60*	
		For >10 To 25, Add	*178.27*	
		For >25 To 50, Add	*128.13*	
		For >50 To 100, Add	*64.06*	
		For >500 To 1,000, Deduct	*-23.34*	
		For >1,000 To 2,000, Deduct	*-35.37*	
		For >2,000 To 5,000, Deduct	*-58.05*	
		For >5,000, Deduct	*-96.26*	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	517.50	
		For Vinlyester Resin, Add	*340.17*	
		For Epoxy Resin, Add	*40.09*	
		For Up To >10, Add	*337.60*	
		For >10 To 25, Add	*200.34*	
		For >25 To 50, Add	*144.50*	
		For >50 To 100, Add	*72.25*	
		For >500 To 1,000, Deduct	*-26.66*	
		For >1,000 To 2,000, Deduct	*-40.39*	
		For >2,000 To 5,000, Deduct	*-66.20*	
		For >5,000, Deduct	*-109.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	583.35	
		For Vinlyester Resin, Add	*383.99*	
		For Epoxy Resin, Add	*45.26*	
		For Up To >10, Add	*378.65*	
		For >10 To 25, Add	*224.12*	
		For >25 To 50, Add	*161.90*	
		For >50 To 100, Add	*80.95*	
		For >500 To 1,000, Deduct	*-30.04*	
		For >1,000 To 2,000, Deduct	*-45.49*	
		For >2,000 To 5,000, Deduct	*-74.52*	
		For >5,000, Deduct	*-123.63*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	649.72	
		For Vinlyester Resin, Add	*427.80*	
		For Epoxy Resin, Add	*50.42*	
		For Up To >10, Add	*421.31*	
		For >10 To 25, Add	*249.24*	
		For >25 To 50, Add	*180.10*	
		For >50 To 100, Add	*90.05*	
		For >500 To 1,000, Deduct	*-33.45*	
		For >1,000 To 2,000, Deduct	*-50.66*	
		For >2,000 To 5,000, Deduct	*-82.98*	
		For >5,000, Deduct	*-137.66*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	780.74	
		For Vinlyester Resin, Add	*515.44*	
		For Epoxy Resin, Add	*60.75*	
		For Up To >10, Add	*501.37*	
		For >10 To 25, Add	*295.09*	
		For >25 To 50, Add	*213.87*	
		For >50 To 100, Add	*106.93*	
		For >500 To 1,000, Deduct	*-40.15*	
		For >1,000 To 2,000, Deduct	*-60.78*	
		For >2,000 To 5,000, Deduct	*-99.46*	
		For >5,000, Deduct	*-165.03*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	912.30	
		For Vinlyester Resin, Add	*603.07*	
		For Epoxy Resin, Add	*71.08*	
		For Up To >10, Add	*583.08*	
		For >10 To 25, Add	*342.31*	
		For >25 To 50, Add	*248.46*	
		For >50 To 100, Add	*124.23*	
		For >500 To 1,000, Deduct	*-46.88*	
		For >1,000 To 2,000, Deduct	*-70.96*	
		For >2,000 To 5,000, Deduct	*-116.08*	
		For >5,000, Deduct	*-192.61*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,046.00	
		For Vinlyester Resin, Add	*690.70*	
		For Epoxy Resin, Add	*81.40*	
		For Up To >10, Add	*671.23*	
		For >10 To 25, Add	*394.90*	
		For >25 To 50, Add	*286.28*	
		For >50 To 100, Add	*143.14*	
		For >500 To 1,000, Deduct	*-53.78*	
		For >1,000 To 2,000, Deduct	*-81.41*	
		For >2,000 To 5,000, Deduct	*-133.23*	
		For >5,000, Deduct	*-221.06*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,178.77	
		For Vinlyester Resin, Add	*778.33*	
		For Epoxy Resin, Add	*91.73*	
		For Up To >10, Add	*756.56*	
		For >10 To 25, Add	*445.15*	
		For >25 To 50, Add	*322.69*	
		For >50 To 100, Add	*161.34*	
		For >500 To 1,000, Deduct	*-60.61*	
		For >1,000 To 2,000, Deduct	*-91.75*	
		For >2,000 To 5,000, Deduct	*-150.15*	
		For >5,000, Deduct	*-249.13*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,311.39	
		For Vinlyester Resin, Add	*865.96*	
		For Epoxy Resin, Add	*102.06*	
		For Up To >10, Add	*841.47*	
		For >10 To 25, Add	*495.05*	
		For >25 To 50, Add	*358.88*	
		For >50 To 100, Add	*179.44*	
		For >500 To 1,000, Deduct	*-67.43*	
		For >1,000 To 2,000, Deduct	*-102.07*	
		For >2,000 To 5,000, Deduct	*-167.03*	
		For >5,000, Deduct	*-277.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,444.57	
		For Vinlyester Resin, Add	*953.59*	
		For Epoxy Resin, Add	*112.39*	
		For Up To >10, Add	*928.04*	
		For >10 To 25, Add	*546.32*	
		For >25 To 50, Add	*395.90*	
		For >50 To 100, Add	*197.95*	
		For >500 To 1,000, Deduct	*-74.29*	
		For >1,000 To 2,000, Deduct	*-112.46*	
		For >2,000 To 5,000, Deduct	*-184.05*	
		For >5,000, Deduct	*-305.37*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,577.33	
		For Vinlyester Resin, Add	*1,041.22*	
		For Epoxy Resin, Add	*122.71*	
		For Up To >10, Add	*1,013.37*	
		For >10 To 25, Add	*596.56*	
		For >25 To 50, Add	*432.31*	
		For >50 To 100, Add	*216.16*	
		For >500 To 1,000, Deduct	*-81.11*	
		For >1,000 To 2,000, Deduct	*-122.79*	
		For >2,000 To 5,000, Deduct	*-200.96*	
		For >5,000, Deduct	*-333.44*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.25	
		For Vinlyester Resin, Add	*272.65*	
		For Epoxy Resin, Add	*32.13*	
		For Up To >10, Add	*278.00*	
		For >10 To 25, Add	*166.75*	
		For >25 To 50, Add	*119.53*	
		For >50 To 100, Add	*59.76*	
		For >500 To 1,000, Deduct	*-21.56*	
		For >1,000 To 2,000, Deduct	*-32.68*	
		For >2,000 To 5,000, Deduct	*-53.68*	
		For >5,000, Deduct	*-89.00*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	487.37	
		For Vinlyester Resin, Add	*320.12*	
		For Epoxy Resin, Add	*37.73*	
		For Up To >10, Add	*318.81*	
		For >10 To 25, Add	*189.46*	
		For >25 To 50, Add	*136.54*	
		For >50 To 100, Add	*68.27*	
		For >500 To 1,000, Deduct	*-25.12*	
		For >1,000 To 2,000, Deduct	*-38.06*	
		For >2,000 To 5,000, Deduct	*-62.39*	
		For >5,000, Deduct	*-103.48*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	557.88	
		For Vinlyester Resin, Add	*367.58*	
		For Epoxy Resin, Add	*43.32*	
		For Up To >10, Add	*360.84*	
		For >10 To 25, Add	*213.18*	
		For >25 To 50, Add	*154.16*	
		For >50 To 100, Add	*77.08*	
		For >500 To 1,000, Deduct	*-28.71*	
		For >1,000 To 2,000, Deduct	*-43.48*	
		For >2,000 To 5,000, Deduct	*-71.20*	
		For >5,000, Deduct	*-118.13*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	628.66	
		For Vinlyester Resin, Add	*415.05*	
		For Epoxy Resin, Add	*48.92*	
		For Up To >10, Add	*403.66*	
		For >10 To 25, Add	*237.56*	
		For >25 To 50, Add	*172.18*	
		For >50 To 100, Add	*86.09*	
		For >500 To 1,000, Deduct	*-32.33*	
		For >1,000 To 2,000, Deduct	*-48.94*	
		For >2,000 To 5,000, Deduct	*-80.08*	
		For >5,000, Deduct	*-132.88*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	700.53	
		For Vinlyester Resin, Add	*462.52*	
		For Epoxy Resin, Add	*54.51*	
		For Up To >10, Add	*449.74*	
		For >10 To 25, Add	*264.66*	
		For >25 To 50, Add	*191.83*	
		For >50 To 100, Add	*95.92*	
		For >500 To 1,000, Deduct	*-36.02*	
		For >1,000 To 2,000, Deduct	*-54.53*	
		For >2,000 To 5,000, Deduct	*-89.24*	
		For >5,000, Deduct	*-148.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	843.20	
		For Vinlyester Resin, Add	*557.45*	
		For Epoxy Resin, Add	*65.70*	
		For Up To >10, Add	*538.70*	
		For >10 To 25, Add	*316.19*	
		For >25 To 50, Add	*229.53*	
		For >50 To 100, Add	*114.77*	
		For >500 To 1,000, Deduct	*-43.33*	
		For >1,000 To 2,000, Deduct	*-65.58*	
		For >2,000 To 5,000, Deduct	*-107.27*	
		For >5,000, Deduct	*-178.01*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	986.27	
		For Vinlyester Resin, Add	*652.39*	
		For Epoxy Resin, Add	*76.89*	
		For Up To >10, Add	*628.86*	
		For >10 To 25, Add	*368.72*	
		For >25 To 50, Add	*267.83*	
		For >50 To 100, Add	*133.92*	
		For >500 To 1,000, Deduct	*-50.67*	
		For >1,000 To 2,000, Deduct	*-76.68*	
		For >2,000 To 5,000, Deduct	*-125.41*	
		For >5,000, Deduct	*-208.11*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,130.27	
		For Vinlyester Resin, Add	*747.32*	
		For Epoxy Resin, Add	*88.08*	
		For Up To >10, Add	*721.81*	
		For >10 To 25, Add	*423.58*	
		For >25 To 50, Add	*307.53*	
		For >50 To 100, Add	*153.76*	
		For >500 To 1,000, Deduct	*-58.08*	
		For >1,000 To 2,000, Deduct	*-87.90*	
		For >2,000 To 5,000, Deduct	*-143.78*	
		For >5,000, Deduct	*-238.59*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,273.88	
		For Vinlyester Resin, Add	*842.25*	
		For Epoxy Resin, Add	*99.27*	
		For Up To >10, Add	*813.59*	
		For >10 To 25, Add	*477.46*	
		For >25 To 50, Add	*346.63*	
		For >50 To 100, Add	*173.32*	
		For >500 To 1,000, Deduct	*-65.46*	
		For >1,000 To 2,000, Deduct	*-99.07*	
		For >2,000 To 5,000, Deduct	*-162.05*	
		For >5,000, Deduct	*-268.91*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,417.48	
		For Vinlyester Resin, Add	*937.18*	
		For Epoxy Resin, Add	*110.45*	
		For Up To >10, Add	*905.37*	
		For >10 To 25, Add	*531.33*	
		For >25 To 50, Add	*385.74*	
		For >50 To 100, Add	*192.87*	
		For >500 To 1,000, Deduct	*-72.84*	
		For >1,000 To 2,000, Deduct	*-110.24*	
		For >2,000 To 5,000, Deduct	*-180.32*	
		For >5,000, Deduct	*-299.23*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,562.72	
		For Vinlyester Resin, Add	*1,032.12*	
		For Epoxy Resin, Add	*121.64*	
		For Up To >10, Add	*1,002.01*	
		For >10 To 25, Add	*589.27*	
		For >25 To 50, Add	*427.28*	
		For >50 To 100, Add	*213.64*	
		For >500 To 1,000, Deduct	*-80.34*	
		For >1,000 To 2,000, Deduct	*-121.62*	
		For >2,000 To 5,000, Deduct	*-199.00*	
		For >5,000, Deduct	*-330.20*	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,706.45	
		For Vinlyester Resin, Add	*1,127.05*	
		For Epoxy Resin, Add	*132.83*	
		For Up To >10, Add	*1,094.18*	
		For >10 To 25, Add	*643.47*	
		For >25 To 50, Add	*466.58*	
		For >50 To 100, Add	*233.29*	
		For >500 To 1,000, Deduct	*-87.73*	
		For >1,000 To 2,000, Deduct	*-132.80*	
		For >2,000 To 5,000, Deduct	*-217.30*	
		For >5,000, Deduct	*-360.57*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	446.72	
		For Vinlyester Resin, Add	*292.62*	
		For Epoxy Resin, Add	*34.49*	
		For Up To >10, Add	*295.09*	
		For >10 To 25, Add	*176.23*	
		For >25 To 50, Add	*126.64*	
		For >50 To 100, Add	*63.32*	
		For >500 To 1,000, Deduct	*-23.05*	
		For >1,000 To 2,000, Deduct	*-34.94*	
		For >2,000 To 5,000, Deduct	*-57.34*	
		For >5,000, Deduct	*-95.08*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	522.19	
		For Vinlyester Resin, Add	*343.74*	
		For Epoxy Resin, Add	*40.51*	
		For Up To >10, Add	*338.95*	
		For >10 To 25, Add	*200.61*	
		For >25 To 50, Add	*144.92*	
		For >50 To 100, Add	*72.46*	
		For >500 To 1,000, Deduct	*-26.89*	
		For >1,000 To 2,000, Deduct	*-40.72*	
		For >2,000 To 5,000, Deduct	*-66.71*	
		For >5,000, Deduct	*-110.67*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	598.06	
		For Vinlyester Resin, Add	*394.86*	
		For Epoxy Resin, Add	*46.54*	
		For Up To >10, Add	*383.98*	
		For >10 To 25, Add	*225.97*	
		For >25 To 50, Add	*163.79*	
		For >50 To 100, Add	*81.89*	
		For >500 To 1,000, Deduct	*-30.75*	
		For >1,000 To 2,000, Deduct	*-46.55*	
		For >2,000 To 5,000, Deduct	*-76.18*	
		For >5,000, Deduct	*-126.41*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	673.78	
		For Vinlyester Resin, Add	*445.97*	
		For Epoxy Resin, Add	*52.56*	
		For Up To >10, Add	*428.59*	
		For >10 To 25, Add	*250.98*	
		For >25 To 50, Add	*182.44*	
		For >50 To 100, Add	*91.22*	
		For >500 To 1,000, Deduct	*-34.61*	
		For >1,000 To 2,000, Deduct	*-52.37*	
		For >2,000 To 5,000, Deduct	*-85.62*	
		For >5,000, Deduct	*-142.09*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	751.01	
		For Vinlyester Resin, Add	*497.09*	
		For Epoxy Resin, Add	*58.59*	
		For Up To >10, Add	*477.71*	
		For >10 To 25, Add	*279.73*	
		For >25 To 50, Add	*203.35*	
		For >50 To 100, Add	*101.67*	
		For >500 To 1,000, Deduct	*-38.57*	
		For >1,000 To 2,000, Deduct	*-58.37*	
		For >2,000 To 5,000, Deduct	*-95.44*	
		For >5,000, Deduct	*-158.38*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	905.45	
		For Vinlyester Resin, Add	*599.33*	
		For Epoxy Resin, Add	*70.63*	
		For Up To >10, Add	*575.90*	
		For >10 To 25, Add	*337.22*	
		For >25 To 50, Add	*245.14*	
		For >50 To 100, Add	*122.57*	
		For >500 To 1,000, Deduct	*-46.50*	
		For >1,000 To 2,000, Deduct	*-70.37*	
		For >2,000 To 5,000, Deduct	*-115.06*	
		For >5,000, Deduct	*-190.94*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,059.90	
		For Vinlyester Resin, Add	*701.56*	
		For Epoxy Resin, Add	*82.68*	
		For Up To >10, Add	*674.13*	
		For >10 To 25, Add	*394.73*	
		For >25 To 50, Add	*286.95*	
		For >50 To 100, Add	*143.48*	
		For >500 To 1,000, Deduct	*-54.44*	
		For >1,000 To 2,000, Deduct	*-82.38*	
		For >2,000 To 5,000, Deduct	*-134.69*	
		For >5,000, Deduct	*-223.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,214.33	
		For Vinlyester Resin, Add	*803.80*	
		For Epoxy Resin, Add	*94.73*	
		For Up To >10, Add	*772.29*	
		For >10 To 25, Add	*452.20*	
		For >25 To 50, Add	*328.73*	
		For >50 To 100, Add	*164.37*	
		For >500 To 1,000, Deduct	*-62.37*	
		For >1,000 To 2,000, Deduct	*-94.38*	
		For >2,000 To 5,000, Deduct	*-154.31*	
		For >5,000, Deduct	*-256.08*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,368.78	
		For Vinlyester Resin, Add	*906.03*	
		For Epoxy Resin, Add	*106.78*	
		For Up To >10, Add	*870.52*	
		For >10 To 25, Add	*509.71*	
		For >25 To 50, Add	*370.54*	
		For >50 To 100, Add	*185.27*	
		For >500 To 1,000, Deduct	*-70.30*	
		For >1,000 To 2,000, Deduct	*-106.38*	
		For >2,000 To 5,000, Deduct	*-173.93*	
		For >5,000, Deduct	*-288.65*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,523.23	
		For Vinlyester Resin, Add	*1,008.27*	
		For Epoxy Resin, Add	*118.83*	
		For Up To >10, Add	*968.74*	
		For >10 To 25, Add	*567.22*	
		For >25 To 50, Add	*412.35*	
		For >50 To 100, Add	*206.18*	
		For >500 To 1,000, Deduct	*-78.23*	
		For >1,000 To 2,000, Deduct	*-118.38*	
		For >2,000 To 5,000, Deduct	*-193.56*	
		For >5,000, Deduct	*-321.22*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,680.66	
		For Vinlyester Resin, Add	*1,110.51*	
		For Epoxy Resin, Add	*130.88*	
		For Up To >10, Add	*1,075.88*	
		For >10 To 25, Add	*632.16*	
		For >25 To 50, Add	*458.62*	
		For >50 To 100, Add	*229.31*	
		For >500 To 1,000, Deduct	*-86.39*	
		For >1,000 To 2,000, Deduct	*-130.76*	
		For >2,000 To 5,000, Deduct	*-213.93*	
		For >5,000, Deduct	*-354.98*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,835.37	
		For Vinlyester Resin, Add	*1,212.74*	
		For Epoxy Resin, Add	*142.93*	
		For Up To >10, Add	*1,174.89*	
		For >10 To 25, Add	*690.32*	
		For >25 To 50, Add	*500.82*	
		For >50 To 100, Add	*250.41*	
		For >500 To 1,000, Deduct	*-94.34*	
		For >1,000 To 2,000, Deduct	*-142.80*	
		For >2,000 To 5,000, Deduct	*-233.62*	
		For >5,000, Deduct	*-387.65*	
33 01 30 72-0133		22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	475.86	
		For Vinlyester Resin, Add	*312.45*	
		For Epoxy Resin, Add	*36.82*	
		For Up To >10, Add	*311.71*	
		For >10 To 25, Add	*185.36*	
		For >25 To 50, Add	*133.54*	
		For >50 To 100, Add	*66.77*	
		For >500 To 1,000, Deduct	*-24.53*	
		For >1,000 To 2,000, Deduct	*-37.17*	
		For >2,000 To 5,000, Deduct	*-60.94*	
		For >5,000, Deduct	*-101.07*	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	556.54	
		For Vinlyester Resin, Add	*367.21*	
		For Epoxy Resin, Add	*43.28*	
		For Up To >10, Add	*358.15*	
		For >10 To 25, Add	*211.02*	
		For >25 To 50, Add	*152.84*	
		For >50 To 100, Add	*76.42*	
		For >500 To 1,000, Deduct	*-28.63*	
		For >1,000 To 2,000, Deduct	*-43.34*	
		For >2,000 To 5,000, Deduct	*-70.94*	
		For >5,000, Deduct	*-117.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	638.04	
		For Vinlyester Resin, Add	*421.99*	
		For Epoxy Resin, Add	*49.73*	
		For Up To >10, Add	*407.02*	
		For >10 To 25, Add	*238.71*	
		For >25 To 50, Add	*173.37*	
		For >50 To 100, Add	*86.68*	
		For >500 To 1,000, Deduct	*-32.78*	
		For >1,000 To 2,000, Deduct	*-49.61*	
		For >2,000 To 5,000, Deduct	*-81.14*	
		For >5,000, Deduct	*-134.65*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	719.92	
		For Vinlyester Resin, Add	*476.75*	
		For Epoxy Resin, Add	*56.19*	
		For Up To >10, Add	*457.09*	
		For >10 To 25, Add	*267.39*	
		For >25 To 50, Add	*194.49*	
		For >50 To 100, Add	*97.24*	
		For >500 To 1,000, Deduct	*-36.97*	
		For >1,000 To 2,000, Deduct	*-55.94*	
		For >2,000 To 5,000, Deduct	*-91.44*	
		For >5,000, Deduct	*-151.75*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	802.62	
		For Vinlyester Resin, Add	*531.52*	
		For Epoxy Resin, Add	*62.64*	
		For Up To >10, Add	*509.59*	
		For >10 To 25, Add	*298.10*	
		For >25 To 50, Add	*216.83*	
		For >50 To 100, Add	*108.41*	
		For >500 To 1,000, Deduct	*-41.21*	
		For >1,000 To 2,000, Deduct	*-62.36*	
		For >2,000 To 5,000, Deduct	*-101.94*	
		For >5,000, Deduct	*-169.19*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	968.05	
		For Vinlyester Resin, Add	*641.06*	
		For Epoxy Resin, Add	*75.55*	
		For Up To >10, Add	*614.65*	
		For >10 To 25, Add	*359.58*	
		For >25 To 50, Add	*261.54*	
		For >50 To 100, Add	*130.77*	
		For >500 To 1,000, Deduct	*-49.71*	
		For >1,000 To 2,000, Deduct	*-75.22*	
		For >2,000 To 5,000, Deduct	*-122.96*	
		For >5,000, Deduct	*-204.06*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,133.47	
		For Vinlyester Resin, Add	*750.60*	
		For Epoxy Resin, Add	*88.46*	
		For Up To >10, Add	*719.71*	
		For >10 To 25, Add	*421.05*	
		For >25 To 50, Add	*306.24*	
		For >50 To 100, Add	*153.12*	
		For >500 To 1,000, Deduct	*-58.20*	
		For >1,000 To 2,000, Deduct	*-88.07*	
		For >2,000 To 5,000, Deduct	*-143.97*	
		For >5,000, Deduct	*-238.93*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,298.88	
		For Vinlyester Resin, Add	*860.13*	
		For Epoxy Resin, Add	*101.37*	
		For Up To >10, Add	*824.74*	
		For >10 To 25, Add	*482.49*	
		For >25 To 50, Add	*350.93*	
		For >50 To 100, Add	*175.47*	
		For >500 To 1,000, Deduct	*-66.70*	
		For >1,000 To 2,000, Deduct	*-100.92*	
		For >2,000 To 5,000, Deduct	*-164.98*	
		For >5,000, Deduct	*-273.80*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,464.30	
		For Vinlyester Resin, Add	*969.68*	
		For Epoxy Resin, Add	*114.28*	
		For Up To >10, Add	*929.78*	
		For >10 To 25, Add	*543.94*	
		For >25 To 50, Add	*395.63*	
		For >50 To 100, Add	*197.81*	
		For >500 To 1,000, Deduct	*-75.19*	
		For >1,000 To 2,000, Deduct	*-113.78*	
		For >2,000 To 5,000, Deduct	*-185.99*	
		For >5,000, Deduct	*-308.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,629.72	
		For Vinlyester Resin, Add	*1,079.21*	
		For Epoxy Resin, Add	*127.19*	
		For Up To >10, Add	*1,034.84*	
		For >10 To 25, Add	*605.41*	
		For >25 To 50, Add	*440.33*	
		For >50 To 100, Add	*220.17*	
		For >500 To 1,000, Deduct	*-83.69*	
		For >1,000 To 2,000, Deduct	*-126.63*	
		For >2,000 To 5,000, Deduct	*-207.01*	
		For >5,000, Deduct	*-343.54*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,798.25	
		For Vinlyester Resin, Add	*1,188.75*	
		For Epoxy Resin, Add	*140.10*	
		For Up To >10, Add	*1,149.20*	
		For >10 To 25, Add	*674.63*	
		For >25 To 50, Add	*489.69*	
		For >50 To 100, Add	*244.84*	
		For >500 To 1,000, Deduct	*-92.41*	
		For >1,000 To 2,000, Deduct	*-139.87*	
		For >2,000 To 5,000, Deduct	*-228.79*	
		For >5,000, Deduct	*-379.66*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,963.94	
		For Vinlyester Resin, Add	*1,298.29*	
		For Epoxy Resin, Add	*153.01*	
		For Up To >10, Add	*1,255.07*	
		For >10 To 25, Add	*736.78*	
		For >25 To 50, Add	*534.80*	
		For >50 To 100, Add	*267.40*	
		For >500 To 1,000, Deduct	*-100.93*	
		For >1,000 To 2,000, Deduct	*-152.76*	
		For >2,000 To 5,000, Deduct	*-249.87*	
		For >5,000, Deduct	*-414.64*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	504.65	
		For Vinlyester Resin, Add	*332.12*	
		For Epoxy Resin, Add	*39.14*	
		For Up To >10, Add	*327.80*	
		For >10 To 25, Add	*194.09*	
		For >25 To 50, Add	*140.18*	
		For >50 To 100, Add	*70.09*	
		For >500 To 1,000, Deduct	*-25.99*	
		For >1,000 To 2,000, Deduct	*-39.36*	
		For >2,000 To 5,000, Deduct	*-64.48*	
		For >5,000, Deduct	*-106.97*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	590.54	
		For Vinlyester Resin, Add	*390.54*	
		For Epoxy Resin, Add	*46.03*	
		For Up To >10, Add	*376.82*	
		For >10 To 25, Add	*221.03*	
		For >25 To 50, Add	*160.51*	
		For >50 To 100, Add	*80.26*	
		For >500 To 1,000, Deduct	*-30.34*	
		For >1,000 To 2,000, Deduct	*-45.92*	
		For >2,000 To 5,000, Deduct	*-75.11*	
		For >5,000, Deduct	*-124.63*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	677.65	
		For Vinlyester Resin, Add	*448.97*	
		For Epoxy Resin, Add	*52.91*	
		For Up To >10, Add	*429.50*	
		For >10 To 25, Add	*251.02*	
		For >25 To 50, Add	*182.68*	
		For >50 To 100, Add	*91.34*	
		For >500 To 1,000, Deduct	*-34.79*	
		For >1,000 To 2,000, Deduct	*-52.64*	
		For >2,000 To 5,000, Deduct	*-86.03*	
		For >5,000, Deduct	*-142.78*	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	765.85	
		For Vinlyester Resin, Add	*507.38*	
		For Epoxy Resin, Add	*59.80*	
		For Up To >10, Add	*485.48*	
		For >10 To 25, Add	*283.76*	
		For >25 To 50, Add	*206.50*	
		For >50 To 100, Add	*103.25*	
		For >500 To 1,000, Deduct	*-39.32*	
		For >1,000 To 2,000, Deduct	*-59.49*	
		For >2,000 To 5,000, Deduct	*-97.23*	
		For >5,000, Deduct	*-161.37*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	854.05	
		For Vinlyester Resin, Add	*565.80*	
		For Epoxy Resin, Add	*66.68*	
		For Up To >10, Add	*541.43*	
		For >10 To 25, Add	*316.47*	
		For >25 To 50, Add	*230.30*	
		For >50 To 100, Add	*115.15*	
		For >500 To 1,000, Deduct	*-43.85*	
		For >1,000 To 2,000, Deduct	*-66.34*	
		For >2,000 To 5,000, Deduct	*-108.43*	
		For >5,000, Deduct	*-179.96*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,030.44	
		For Vinlyester Resin, Add	*682.65*	
		For Epoxy Resin, Add	*80.45*	
		For Up To >10, Add	*653.30*	
		For >10 To 25, Add	*381.88*	
		For >25 To 50, Add	*277.89*	
		For >50 To 100, Add	*138.94*	
		For >500 To 1,000, Deduct	*-52.90*	
		For >1,000 To 2,000, Deduct	*-80.04*	
		For >2,000 To 5,000, Deduct	*-130.83*	
		For >5,000, Deduct	*-217.13*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,253.70	
		For Vinlyester Resin, Add	*832.39*	
		For Epoxy Resin, Add	*98.10*	
		For Up To >10, Add	*788.28*	
		For >10 To 25, Add	*458.71*	
		For >25 To 50, Add	*334.68*	
		For >50 To 100, Add	*167.34*	
		For >500 To 1,000, Deduct	*-64.30*	
		For >1,000 To 2,000, Deduct	*-97.26*	
		For >2,000 To 5,000, Deduct	*-158.84*	
		For >5,000, Deduct	*-263.65*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,383.08	
		For Vinlyester Resin, Add	*916.33*	
		For Epoxy Resin, Add	*108.00*	
		For Up To >10, Add	*876.64*	
		For >10 To 25, Add	*512.36*	
		For >25 To 50, Add	*372.87*	
		For >50 To 100, Add	*186.43*	
		For >500 To 1,000, Deduct	*-71.01*	
		For >1,000 To 2,000, Deduct	*-107.43*	
		For >2,000 To 5,000, Deduct	*-175.59*	
		For >5,000, Deduct	*-291.42*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,559.48	
		For Vinlyester Resin, Add	*1,033.17*	
		For Epoxy Resin, Add	*121.77*	
		For Up To >10, Add	*988.54*	
		For >10 To 25, Add	*577.79*	
		For >25 To 50, Add	*420.47*	
		For >50 To 100, Add	*210.24*	
		For >500 To 1,000, Deduct	*-80.06*	
		For >1,000 To 2,000, Deduct	*-121.14*	
		For >2,000 To 5,000, Deduct	*-198.00*	
		For >5,000, Deduct	*-328.60*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,735.86	
		For Vinlyester Resin, Add	*1,150.01*	
		For Epoxy Resin, Add	*135.54*	
		For Up To >10, Add	*1,100.41*	
		For >10 To 25, Add	*643.19*	
		For >25 To 50, Add	*468.06*	
		For >50 To 100, Add	*234.03*	
		For >500 To 1,000, Deduct	*-89.12*	
		For >1,000 To 2,000, Deduct	*-134.84*	
		For >2,000 To 5,000, Deduct	*-220.39*	
		For >5,000, Deduct	*-365.77*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,915.51	
		For Vinlyester Resin, Add	*1,266.85*	
		For Epoxy Resin, Add	*149.31*	
		For Up To >10, Add	*1,222.06*	
		For >10 To 25, Add	*716.75*	
		For >25 To 50, Add	*520.54*	
		For >50 To 100, Add	*260.27*	
		For >500 To 1,000, Deduct	*-98.42*	
		For >1,000 To 2,000, Deduct	*-148.95*	
		For >2,000 To 5,000, Deduct	*-243.60*	
		For >5,000, Deduct	*-404.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,092.17	
		For Vinlyester Resin, Add	*1,383.69*	
		For Epoxy Resin, Add	*163.08*	
		For Up To >10, Add	*1,334.76*	
		For >10 To 25, Add	*782.85*	
		For >25 To 50, Add	*568.55*	
		For >50 To 100, Add	*284.27*	
		For >500 To 1,000, Deduct	*-107.50*	
		For >1,000 To 2,000, Deduct	*-162.69*	
		For >2,000 To 5,000, Deduct	*-266.07*	
		For >5,000, Deduct	*-441.53*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,268.84	
		For Vinlyester Resin, Add	*1,500.53*	
		For Epoxy Resin, Add	*176.85*	
		For Up To >10, Add	*1,447.47*	
		For >10 To 25, Add	*848.96*	
		For >25 To 50, Add	*616.55*	
		For >50 To 100, Add	*308.28*	
		For >500 To 1,000, Deduct	*-116.57*	
		For >1,000 To 2,000, Deduct	*-176.42*	
		For >2,000 To 5,000, Deduct	*-288.54*	
		For >5,000, Deduct	*-478.81*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,445.50	
		For Vinlyester Resin, Add	*1,617.38*	
		For Epoxy Resin, Add	*190.62*	
		For Up To >10, Add	*1,560.15*	
		For >10 To 25, Add	*915.04*	
		For >25 To 50, Add	*664.55*	
		For >50 To 100, Add	*332.27*	
		For >500 To 1,000, Deduct	*-125.65*	
		For >1,000 To 2,000, Deduct	*-190.16*	
		For >2,000 To 5,000, Deduct	*-311.00*	
		For >5,000, Deduct	*-516.09*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	624.75	
		For Vinlyester Resin, Add	*413.73*	
		For Epoxy Resin, Add	*48.76*	
		For Up To >10, Add	*396.65*	
		For >10 To 25, Add	*232.04*	
		For >25 To 50, Add	*168.77*	
		For >50 To 100, Add	*84.39*	
		For >500 To 1,000, Deduct	*-32.08*	
		For >1,000 To 2,000, Deduct	*-48.54*	
		For >2,000 To 5,000, Deduct	*-79.35*	
		For >5,000, Deduct	*-131.69*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	717.89	
		For Vinlyester Resin, Add	*475.80*	
		For Epoxy Resin, Add	*56.08*	
		For Up To >10, Add	*454.40*	
		For >10 To 25, Add	*265.38*	
		For >25 To 50, Add	*193.21*	
		For >50 To 100, Add	*96.61*	
		For >500 To 1,000, Deduct	*-36.85*	
		For >1,000 To 2,000, Deduct	*-55.75*	
		For >2,000 To 5,000, Deduct	*-91.11*	
		For >5,000, Deduct	*-151.21*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	811.58	
		For Vinlyester Resin, Add	*537.87*	
		For Epoxy Resin, Add	*63.39*	
		For Up To >10, Add	*513.77*	
		For >10 To 25, Add	*300.07*	
		For >25 To 50, Add	*218.46*	
		For >50 To 100, Add	*109.23*	
		For >500 To 1,000, Deduct	*-41.66*	
		For >1,000 To 2,000, Deduct	*-63.03*	
		For >2,000 To 5,000, Deduct	*-103.00*	
		For >5,000, Deduct	*-170.95*	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	905.12	
		For Vinlyester Resin, Add	*599.95*	
		For Epoxy Resin, Add	*70.71*	
		For Up To >10, Add	*572.69*	
		For >10 To 25, Add	*334.39*	
		For >25 To 50, Add	*243.49*	
		For >50 To 100, Add	*121.74*	
		For >500 To 1,000, Deduct	*-46.46*	
		For >1,000 To 2,000, Deduct	*-70.29*	
		For >2,000 To 5,000, Deduct	*-114.86*	
		For >5,000, Deduct	*-190.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,092.49	
		For Vinlyester Resin, Add	*724.09*	
		For Epoxy Resin, Add	*85.34*	
		For Up To >10, Add	*691.45*	
		For >10 To 25, Add	*403.80*	
		For >25 To 50, Add	*294.00*	
		For >50 To 100, Add	*147.00*	
		For >500 To 1,000, Deduct	*-56.08*	
		For >1,000 To 2,000, Deduct	*-84.84*	
		For >2,000 To 5,000, Deduct	*-138.65*	
		For >5,000, Deduct	*-230.11*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,279.72	
		For Vinlyester Resin, Add	*848.23*	
		For Epoxy Resin, Add	*99.97*	
		For Up To >10, Add	*809.76*	
		For >10 To 25, Add	*472.84*	
		For >25 To 50, Add	*344.29*	
		For >50 To 100, Add	*172.15*	
		For >500 To 1,000, Deduct	*-65.69*	
		For >1,000 To 2,000, Deduct	*-99.38*	
		For >2,000 To 5,000, Deduct	*-162.40*	
		For >5,000, Deduct	*-269.54*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,467.08	
		For Vinlyester Resin, Add	*972.38*	
		For Epoxy Resin, Add	*114.60*	
		For Up To >10, Add	*928.47*	
		For >10 To 25, Add	*542.20*	
		For >25 To 50, Add	*394.78*	
		For >50 To 100, Add	*197.39*	
		For >500 To 1,000, Deduct	*-75.30*	
		For >1,000 To 2,000, Deduct	*-113.93*	
		For >2,000 To 5,000, Deduct	*-186.19*	
		For >5,000, Deduct	*-309.01*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,654.32	
		For Vinlyester Resin, Add	*1,096.52*	
		For Epoxy Resin, Add	*129.23*	
		For Up To >10, Add	*1,046.81*	
		For >10 To 25, Add	*611.27*	
		For >25 To 50, Add	*445.08*	
		For >50 To 100, Add	*222.54*	
		For >500 To 1,000, Deduct	*-84.91*	
		For >1,000 To 2,000, Deduct	*-128.47*	
		For >2,000 To 5,000, Deduct	*-209.94*	
		For >5,000, Deduct	*-348.44*	
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,841.68	
		For Vinlyester Resin, Add	*1,220.67*	
		For Epoxy Resin, Add	*143.86*	
		For Up To >10, Add	*1,165.52*	
		For >10 To 25, Add	*680.63*	
		For >25 To 50, Add	*495.57*	
		For >50 To 100, Add	*247.78*	
		For >500 To 1,000, Deduct	*-94.53*	
		For >1,000 To 2,000, Deduct	*-143.02*	
		For >2,000 To 5,000, Deduct	*-233.72*	
		For >5,000, Deduct	*-387.91*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,033.37	
		For Vinlyester Resin, Add	*1,344.81*	
		For Epoxy Resin, Add	*158.49*	
		For Up To >10, Add	*1,297.24*	
		For >10 To 25, Add	*760.84*	
		For >25 To 50, Add	*552.56*	
		For >50 To 100, Add	*276.28*	
		For >500 To 1,000, Deduct	*-104.47*	
		For >1,000 To 2,000, Deduct	*-158.11*	
		For >2,000 To 5,000, Deduct	*-258.59*	
		For >5,000, Deduct	*-429.12*	
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,221.15	
		For Vinlyester Resin, Add	*1,468.96*	
		For Epoxy Resin, Add	*173.13*	
		For Up To >10, Add	*1,417.18*	
		For >10 To 25, Add	*831.23*	
		For >25 To 50, Add	*603.66*	
		For >50 To 100, Add	*301.83*	
		For >500 To 1,000, Deduct	*-114.12*	
		For >1,000 To 2,000, Deduct	*-172.72*	
		For >2,000 To 5,000, Deduct	*-282.48*	
		For >5,000, Deduct	*-468.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,408.78	
		For Vinlyester Resin, Add	*1,593.10*	
		For Epoxy Resin, Add	*187.76*	
		For Up To >10, Add	*1,536.72*	
		For >10 To 25, Add	*901.29*	
		For >25 To 50, Add	*654.57*	
		For >50 To 100, Add	*327.28*	
		For >500 To 1,000, Deduct	*-123.76*	
		For >1,000 To 2,000, Deduct	*-187.31*	
		For >2,000 To 5,000, Deduct	*-306.33*	
		For >5,000, Deduct	*-508.34*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,596.56	
		For Vinlyester Resin, Add	*1,717.24*	
		For Epoxy Resin, Add	*202.39*	
		For Up To >10, Add	*1,656.68*	
		For >10 To 25, Add	*971.70*	
		For >25 To 50, Add	*705.68*	
		For >50 To 100, Add	*352.84*	
		For >500 To 1,000, Deduct	*-133.41*	
		For >1,000 To 2,000, Deduct	*-201.91*	
		For >2,000 To 5,000, Deduct	*-330.22*	
		For >5,000, Deduct	*-547.98*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	658.62	
		For Vinlyester Resin, Add	*436.77*	
		For Epoxy Resin, Add	*51.48*	
		For Up To >10, Add	*415.96*	
		For >10 To 25, Add	*242.64*	
		For >25 To 50, Add	*176.78*	
		For >50 To 100, Add	*88.39*	
		For >500 To 1,000, Deduct	*-33.80*	
		For >1,000 To 2,000, Deduct	*-51.13*	
		For >2,000 To 5,000, Deduct	*-83.54*	
		For >5,000, Deduct	*-138.66*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	757.78	
		For Vinlyester Resin, Add	*502.50*	
		For Epoxy Resin, Add	*59.22*	
		For Up To >10, Add	*478.72*	
		For >10 To 25, Add	*279.29*	
		For >25 To 50, Add	*203.47*	
		For >50 To 100, Add	*101.73*	
		For >500 To 1,000, Deduct	*-38.89*	
		For >1,000 To 2,000, Deduct	*-58.83*	
		For >2,000 To 5,000, Deduct	*-96.12*	
		For >5,000, Deduct	*-159.54*	
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	856.96	
		For Vinlyester Resin, Add	*568.23*	
		For Epoxy Resin, Add	*66.97*	
		For Up To >10, Add	*541.51*	
		For >10 To 25, Add	*315.96*	
		For >25 To 50, Add	*230.17*	
		For >50 To 100, Add	*115.08*	
		For >500 To 1,000, Deduct	*-43.98*	
		For >1,000 To 2,000, Deduct	*-66.53*	
		For >2,000 To 5,000, Deduct	*-108.71*	
		For >5,000, Deduct	*-180.43*	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	956.00	
		For Vinlyester Resin, Add	*633.95*	
		For Epoxy Resin, Add	*74.72*	
		For Up To >10, Add	*603.90*	
		For >10 To 25, Add	*352.31*	
		For >25 To 50, Add	*256.67*	
		For >50 To 100, Add	*128.33*	
		For >500 To 1,000, Deduct	*-49.06*	
		For >1,000 To 2,000, Deduct	*-74.22*	
		For >2,000 To 5,000, Deduct	*-121.27*	
		For >5,000, Deduct	*-201.27*	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,154.19	
		For Vinlyester Resin, Add	*765.39*	
		For Epoxy Resin, Add	*90.21*	
		For Up To >10, Add	*729.05*	
		For >10 To 25, Add	*425.30*	
		For >25 To 50, Add	*309.85*	
		For >50 To 100, Add	*154.93*	
		For >500 To 1,000, Deduct	*-59.23*	
		For >1,000 To 2,000, Deduct	*-89.60*	
		For >2,000 To 5,000, Deduct	*-146.40*	
		For >5,000, Deduct	*-242.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,352.53	
		For Vinlyester Resin, Add	*896.83*	
		For Epoxy Resin, Add	*105.70*	
		For Up To >10, Add	*854.62*	
		For >10 To 25, Add	*498.65*	
		For >25 To 50, Add	*363.25*	
		For >50 To 100, Add	*181.62*	
		For >500 To 1,000, Deduct	*-69.41*	
		For >1,000 To 2,000, Deduct	*-105.01*	
		For >2,000 To 5,000, Deduct	*-171.58*	
		For >5,000, Deduct	*-284.77*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,550.74	
		For Vinlyester Resin, Add	*1,028.29*	
		For Epoxy Resin, Add	*121.19*	
		For Up To >10, Add	*979.77*	
		For >10 To 25, Add	*571.65*	
		For >25 To 50, Add	*416.44*	
		For >50 To 100, Add	*208.22*	
		For >500 To 1,000, Deduct	*-79.58*	
		For >1,000 To 2,000, Deduct	*-120.39*	
		For >2,000 To 5,000, Deduct	*-196.72*	
		For >5,000, Deduct	*-326.50*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,748.93	
		For Vinlyester Resin, Add	*1,159.73*	
		For Epoxy Resin, Add	*136.68*	
		For Up To >10, Add	*1,104.92*	
		For >10 To 25, Add	*644.64*	
		For >25 To 50, Add	*469.62*	
		For >50 To 100, Add	*234.81*	
		For >500 To 1,000, Deduct	*-89.75*	
		For >1,000 To 2,000, Deduct	*-135.78*	
		For >2,000 To 5,000, Deduct	*-221.86*	
		For >5,000, Deduct	*-368.22*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,947.14	
		For Vinlyester Resin, Add	*1,291.17*	
		For Epoxy Resin, Add	*152.17*	
		For Up To >10, Add	*1,230.10*	
		For >10 To 25, Add	*717.66*	
		For >25 To 50, Add	*522.82*	
		For >50 To 100, Add	*261.41*	
		For >500 To 1,000, Deduct	*-99.92*	
		For >1,000 To 2,000, Deduct	*-151.17*	
		For >2,000 To 5,000, Deduct	*-247.00*	
		For >5,000, Deduct	*-409.95*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,151.03	
		For Vinlyester Resin, Add	*1,422.62*	
		For Epoxy Resin, Add	*167.67*	
		For Up To >10, Add	*1,372.29*	
		For >10 To 25, Add	*804.86*	
		For >25 To 50, Add	*584.53*	
		For >50 To 100, Add	*292.26*	
		For >500 To 1,000, Deduct	*-110.52*	
		For >1,000 To 2,000, Deduct	*-167.26*	
		For >2,000 To 5,000, Deduct	*-273.56*	
		For >5,000, Deduct	*-453.95*	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,349.79	
		For Vinlyester Resin, Add	*1,554.07*	
		For Epoxy Resin, Add	*183.16*	
		For Up To >10, Add	*1,499.12*	
		For >10 To 25, Add	*879.25*	
		For >25 To 50, Add	*638.56*	
		For >50 To 100, Add	*319.28*	
		For >500 To 1,000, Deduct	*-120.73*	
		For >1,000 To 2,000, Deduct	*-182.72*	
		For >2,000 To 5,000, Deduct	*-298.83*	
		For >5,000, Deduct	*-495.90*	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,548.53	
		For Vinlyester Resin, Add	*1,685.52*	
		For Epoxy Resin, Add	*198.65*	
		For Up To >10, Add	*1,625.89*	
		For >10 To 25, Add	*953.60*	
		For >25 To 50, Add	*692.55*	
		For >50 To 100, Add	*346.28*	
		For >500 To 1,000, Deduct	*-130.94*	
		For >1,000 To 2,000, Deduct	*-198.17*	
		For >2,000 To 5,000, Deduct	*-324.11*	
		For >5,000, Deduct	*-537.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,747.27	
		For Vinlyester Resin, Add	*1,816.96*	
		For Epoxy Resin, Add	*214.14*	
		For Up To >10, Add	*1,752.66*	
		For >10 To 25, Add	*1,027.94*	
		For >25 To 50, Add	*746.55*	
		For >50 To 100, Add	*373.27*	
		For >500 To 1,000, Deduct	*-141.15*	
		For >1,000 To 2,000, Deduct	*-213.63*	
		For >2,000 To 5,000, Deduct	*-349.38*	
		For >5,000, Deduct	*-579.78*	
33 01 30 72-0189		28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	797.20	
		For Vinlyester Resin, Add	*529.05*	
		For Epoxy Resin, Add	*62.35*	
		For Up To >10, Add	*502.15*	
		For >10 To 25, Add	*292.50*	
		For >25 To 50, Add	*213.29*	
		For >50 To 100, Add	*106.64*	
		For >500 To 1,000, Deduct	*-40.90*	
		For >1,000 To 2,000, Deduct	*-61.86*	
		For >2,000 To 5,000, Deduct	*-101.05*	
		For >5,000, Deduct	*-167.72*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	901.87	
		For Vinlyester Resin, Add	*598.42*	
		For Epoxy Resin, Add	*70.53*	
		For Up To >10, Add	*568.39*	
		For >10 To 25, Add	*331.17*	
		For >25 To 50, Add	*241.45*	
		For >50 To 100, Add	*120.72*	
		For >500 To 1,000, Deduct	*-46.27*	
		For >1,000 To 2,000, Deduct	*-69.99*	
		For >2,000 To 5,000, Deduct	*-114.33*	
		For >5,000, Deduct	*-189.77*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,006.38	
		For Vinlyester Resin, Add	*667.79*	
		For Epoxy Resin, Add	*78.70*	
		For Up To >10, Add	*634.17*	
		For >10 To 25, Add	*369.47*	
		For >25 To 50, Add	*269.38*	
		For >50 To 100, Add	*134.69*	
		For >500 To 1,000, Deduct	*-51.63*	
		For >1,000 To 2,000, Deduct	*-78.10*	
		For >2,000 To 5,000, Deduct	*-127.58*	
		For >5,000, Deduct	*-211.75*	
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,274.00	
		For Vinlyester Resin, Add	*847.55*	
		For Epoxy Resin, Add	*99.89*	
		For Up To >10, Add	*795.03*	
		For >10 To 25, Add	*460.72*	
		For >25 To 50, Add	*336.97*	
		For >50 To 100, Add	*168.49*	
		For >500 To 1,000, Deduct	*-65.28*	
		For >1,000 To 2,000, Deduct	*-98.71*	
		For >2,000 To 5,000, Deduct	*-161.10*	
		For >5,000, Deduct	*-267.44*	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,424.60	
		For Vinlyester Resin, Add	*945.29*	
		For Epoxy Resin, Add	*111.41*	
		For Up To >10, Add	*897.75*	
		For >10 To 25, Add	*523.06*	
		For >25 To 50, Add	*381.35*	
		For >50 To 100, Add	*190.68*	
		For >500 To 1,000, Deduct	*-73.08*	
		For >1,000 To 2,000, Deduct	*-110.55*	
		For >2,000 To 5,000, Deduct	*-180.60*	
		For >5,000, Deduct	*-299.76*	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,633.65	
		For Vinlyester Resin, Add	*1,084.05*	
		For Epoxy Resin, Add	*127.76*	
		For Up To >10, Add	*1,029.35*	
		For >10 To 25, Add	*599.69*	
		For >25 To 50, Add	*437.24*	
		For >50 To 100, Add	*218.62*	
		For >500 To 1,000, Deduct	*-83.81*	
		For >1,000 To 2,000, Deduct	*-126.77*	
		For >2,000 To 5,000, Deduct	*-207.09*	
		For >5,000, Deduct	*-343.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,842.70	
		For Vinlyester Resin, Add	*1,222.80*	
		For Epoxy Resin, Add	*144.12*	
		For Up To >10, Add	*1,160.98*	
		For >10 To 25, Add	*676.34*	
		For >25 To 50, Add	*493.15*	
		For >50 To 100, Add	*246.57*	
		For >500 To 1,000, Deduct	*-94.53*	
		For >1,000 To 2,000, Deduct	*-143.00*	
		For >2,000 To 5,000, Deduct	*-233.58*	
		For >5,000, Deduct	*-387.71*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,051.73	
		For Vinlyester Resin, Add	*1,361.54*	
		For Epoxy Resin, Add	*160.47*	
		For Up To >10, Add	*1,292.54*	
		For >10 To 25, Add	*752.94*	
		For >25 To 50, Add	*549.02*	
		For >50 To 100, Add	*274.51*	
		For >500 To 1,000, Deduct	*-105.25*	
		For >1,000 To 2,000, Deduct	*-159.21*	
		For >2,000 To 5,000, Deduct	*-260.07*	
		For >5,000, Deduct	*-431.68*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,266.72	
		For Vinlyester Resin, Add	*1,500.29*	
		For Epoxy Resin, Add	*176.82*	
		For Up To >10, Add	*1,441.99*	
		For >10 To 25, Add	*844.44*	
		For >25 To 50, Add	*613.83*	
		For >50 To 100, Add	*306.91*	
		For >500 To 1,000, Deduct	*-116.42*	
		For >1,000 To 2,000, Deduct	*-176.18*	
		For >2,000 To 5,000, Deduct	*-288.05*	
		For >5,000, Deduct	*-478.03*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,476.30	
		For Vinlyester Resin, Add	*1,639.04*	
		For Epoxy Resin, Add	*193.17*	
		For Up To >10, Add	*1,575.20*	
		For >10 To 25, Add	*922.42*	
		For >25 To 50, Add	*670.53*	
		For >50 To 100, Add	*335.26*	
		For >500 To 1,000, Deduct	*-127.19*	
		For >1,000 To 2,000, Deduct	*-192.46*	
		For >2,000 To 5,000, Deduct	*-314.68*	
		For >5,000, Deduct	*-522.22*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,686.03	
		For Vinlyester Resin, Add	*1,777.79*	
		For Epoxy Resin, Add	*209.53*	
		For Up To >10, Add	*1,708.84*	
		For >10 To 25, Add	*1,000.75*	
		For >25 To 50, Add	*727.44*	
		For >50 To 100, Add	*363.72*	
		For >500 To 1,000, Deduct	*-137.96*	
		For >1,000 To 2,000, Deduct	*-208.77*	
		For >2,000 To 5,000, Deduct	*-341.35*	
		For >5,000, Deduct	*-566.47*	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,895.61	
		For Vinlyester Resin, Add	*1,916.54*	
		For Epoxy Resin, Add	*225.88*	
		For Up To >10, Add	*1,842.06*	
		For >10 To 25, Add	*1,078.73*	
		For >25 To 50, Add	*784.13*	
		For >50 To 100, Add	*392.07*	
		For >500 To 1,000, Deduct	*-148.72*	
		For >1,000 To 2,000, Deduct	*-225.06*	
		For >2,000 To 5,000, Deduct	*-367.97*	
		For >5,000, Deduct	*-610.66*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	836.43	
		For Vinlyester Resin, Add	*555.46*	
		For Epoxy Resin, Add	*65.46*	
		For Up To >10, Add	*525.52*	
		For >10 To 25, Add	*305.68*	
		For >25 To 50, Add	*223.08*	
		For >50 To 100, Add	*111.54*	
		For >500 To 1,000, Deduct	*-42.89*	
		For >1,000 To 2,000, Deduct	*-64.88*	
		For >2,000 To 5,000, Deduct	*-105.95*	
		For >5,000, Deduct	*-175.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	946.43	
		For Vinlyester Resin, Add	*628.48*	
		For Epoxy Resin, Add	*74.07*	
		For Up To >10, Add	*594.72*	
		For >10 To 25, Add	*345.96*	
		For >25 To 50, Add	*252.47*	
		For >50 To 100, Add	*126.23*	
		For >500 To 1,000, Deduct	*-48.54*	
		For >1,000 To 2,000, Deduct	*-73.41*	
		For >2,000 To 5,000, Deduct	*-119.89*	
		For >5,000, Deduct	*-199.01*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,056.44	
		For Vinlyester Resin, Add	*701.51*	
		For Epoxy Resin, Add	*82.68*	
		For Up To >10, Add	*663.95*	
		For >10 To 25, Add	*386.26*	
		For >25 To 50, Add	*281.87*	
		For >50 To 100, Add	*140.93*	
		For >500 To 1,000, Deduct	*-54.18*	
		For >1,000 To 2,000, Deduct	*-81.95*	
		For >2,000 To 5,000, Deduct	*-133.83*	
		For >5,000, Deduct	*-222.15*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,276.31	
		For Vinlyester Resin, Add	*847.55*	
		For Epoxy Resin, Add	*99.89*	
		For Up To >10, Add	*801.96*	
		For >10 To 25, Add	*466.50*	
		For >25 To 50, Add	*340.44*	
		For >50 To 100, Add	*170.22*	
		For >500 To 1,000, Deduct	*-65.45*	
		For >1,000 To 2,000, Deduct	*-99.00*	
		For >2,000 To 5,000, Deduct	*-161.67*	
		For >5,000, Deduct	*-268.37*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,496.33	
		For Vinlyester Resin, Add	*993.61*	
		For Epoxy Resin, Add	*117.10*	
		For Up To >10, Add	*940.39*	
		For >10 To 25, Add	*547.09*	
		For >25 To 50, Add	*399.22*	
		For >50 To 100, Add	*199.61*	
		For >500 To 1,000, Deduct	*-76.74*	
		For >1,000 To 2,000, Deduct	*-116.07*	
		For >2,000 To 5,000, Deduct	*-189.56*	
		For >5,000, Deduct	*-314.64*	
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,716.21	
		For Vinlyester Resin, Add	*1,139.66*	
		For Epoxy Resin, Add	*134.32*	
		For Up To >10, Add	*1,078.43*	
		For >10 To 25, Add	*627.35*	
		For >25 To 50, Add	*457.81*	
		For >50 To 100, Add	*228.91*	
		For >500 To 1,000, Deduct	*-88.01*	
		For >1,000 To 2,000, Deduct	*-133.12*	
		For >2,000 To 5,000, Deduct	*-217.40*	
		For >5,000, Deduct	*-360.87*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,936.23	
		For Vinlyester Resin, Add	*1,285.71*	
		For Epoxy Resin, Add	*151.53*	
		For Up To >10, Add	*1,216.87*	
		For >10 To 25, Add	*707.93*	
		For >25 To 50, Add	*516.60*	
		For >50 To 100, Add	*258.30*	
		For >500 To 1,000, Deduct	*-99.30*	
		For >1,000 To 2,000, Deduct	*-150.19*	
		For >2,000 To 5,000, Deduct	*-245.28*	
		For >5,000, Deduct	*-407.15*	
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,156.11	
		For Vinlyester Resin, Add	*1,431.77*	
		For Epoxy Resin, Add	*168.74*	
		For Up To >10, Add	*1,354.88*	
		For >10 To 25, Add	*788.17*	
		For >25 To 50, Add	*575.17*	
		For >50 To 100, Add	*287.59*	
		For >500 To 1,000, Deduct	*-110.57*	
		For >1,000 To 2,000, Deduct	*-167.24*	
		For >2,000 To 5,000, Deduct	*-273.13*	
		For >5,000, Deduct	*-453.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,382.21	
		For Vinlyester Resin, Add	*1,577.81*	
		For Epoxy Resin, Add	*185.96*	
		For Up To >10, Add	*1,511.58*	
		For >10 To 25, Add	*883.98*	
		For >25 To 50, Add	*643.09*	
		For >50 To 100, Add	*321.54*	
		For >500 To 1,000, Deduct	*-122.32*	
		For >1,000 To 2,000, Deduct	*-185.08*	
		For >2,000 To 5,000, Deduct	*-302.53*	
		For >5,000, Deduct	*-502.08*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,602.64	
		For Vinlyester Resin, Add	*1,723.87*	
		For Epoxy Resin, Add	*203.17*	
		For Up To >10, Add	*1,651.25*	
		For >10 To 25, Add	*965.59*	
		For >25 To 50, Add	*702.49*	
		For >50 To 100, Add	*351.24*	
		For >500 To 1,000, Deduct	*-133.63*	
		For >1,000 To 2,000, Deduct	*-202.20*	
		For >2,000 To 5,000, Deduct	*-330.51*	
		For >5,000, Deduct	*-548.52*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,823.20	
		For Vinlyester Resin, Add	*1,869.92*	
		For Epoxy Resin, Add	*220.38*	
		For Up To >10, Add	*1,791.33*	
		For >10 To 25, Add	*1,047.55*	
		For >25 To 50, Add	*762.10*	
		For >50 To 100, Add	*381.05*	
		For >500 To 1,000, Deduct	*-144.96*	
		For >1,000 To 2,000, Deduct	*-219.33*	
		For >2,000 To 5,000, Deduct	*-358.53*	
		For >5,000, Deduct	*-595.02*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,043.74	
		For Vinlyester Resin, Add	*2,015.97*	
		For Epoxy Resin, Add	*237.60*	
		For Up To >10, Add	*1,931.35*	
		For >10 To 25, Add	*1,129.46*	
		For >25 To 50, Add	*821.68*	
		For >50 To 100, Add	*410.84*	
		For >500 To 1,000, Deduct	*-156.28*	
		For >1,000 To 2,000, Deduct	*-236.47*	
		For >2,000 To 5,000, Deduct	*-386.54*	
		For >5,000, Deduct	*-641.51*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,264.17	
		For Vinlyester Resin, Add	*2,162.02*	
		For Epoxy Resin, Add	*254.81*	
		For Up To >10, Add	*2,071.01*	
		For >10 To 25, Add	*1,211.08*	
		For >25 To 50, Add	*881.08*	
		For >50 To 100, Add	*440.54*	
		For >500 To 1,000, Deduct	*-167.60*	
		For >1,000 To 2,000, Deduct	*-253.59*	
		For >2,000 To 5,000, Deduct	*-414.52*	
		For >5,000, Deduct	*-687.95*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,484.72	
		For Vinlyester Resin, Add	*2,308.07*	
		For Epoxy Resin, Add	*272.02*	
		For Up To >10, Add	*2,211.06*	
		For >10 To 25, Add	*1,293.01*	
		For >25 To 50, Add	*940.67*	
		For >50 To 100, Add	*470.33*	
		For >500 To 1,000, Deduct	*-178.92*	
		For >1,000 To 2,000, Deduct	*-270.73*	
		For >2,000 To 5,000, Deduct	*-442.54*	
		For >5,000, Deduct	*-734.44*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	875.43	
		For Vinlyester Resin, Add	*581.72*	
		For Epoxy Resin, Add	*68.56*	
		For Up To >10, Add	*548.72*	
		For >10 To 25, Add	*318.76*	
		For >25 To 50, Add	*232.81*	
		For >50 To 100, Add	*116.40*	
		For >500 To 1,000, Deduct	*-44.88*	
		For >1,000 To 2,000, Deduct	*-67.88*	
		For >2,000 To 5,000, Deduct	*-110.82*	
		For >5,000, Deduct	*-183.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	990.79	
		For Vinlyester Resin, Add	*658.40*	
		For Epoxy Resin, Add	*77.60*	
		For Up To >10, Add	*620.95*	
		For >10 To 25, Add	*360.69*	
		For >25 To 50, Add	*263.44*	
		For >50 To 100, Add	*131.72*	
		For >500 To 1,000, Deduct	*-50.80*	
		For >1,000 To 2,000, Deduct	*-76.82*	
		For >2,000 To 5,000, Deduct	*-125.42*	
		For >5,000, Deduct	*-208.20*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,106.14	
		For Vinlyester Resin, Add	*735.07*	
		For Epoxy Resin, Add	*86.63*	
		For Up To >10, Add	*693.17*	
		For >10 To 25, Add	*402.63*	
		For >25 To 50, Add	*294.08*	
		For >50 To 100, Add	*147.04*	
		For >500 To 1,000, Deduct	*-56.71*	
		For >1,000 To 2,000, Deduct	*-85.76*	
		For >2,000 To 5,000, Deduct	*-140.02*	
		For >5,000, Deduct	*-232.44*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,337.00	
		For Vinlyester Resin, Add	*888.43*	
		For Epoxy Resin, Add	*104.71*	
		For Up To >10, Add	*838.05*	
		For >10 To 25, Add	*486.85*	
		For >25 To 50, Add	*355.57*	
		For >50 To 100, Add	*177.78*	
		For >500 To 1,000, Deduct	*-68.55*	
		For >1,000 To 2,000, Deduct	*-103.67*	
		For >2,000 To 5,000, Deduct	*-169.26*	
		For >5,000, Deduct	*-280.96*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,567.72	
		For Vinlyester Resin, Add	*1,041.78*	
		For Epoxy Resin, Add	*122.78*	
		For Up To >10, Add	*982.51*	
		For >10 To 25, Add	*570.72*	
		For >25 To 50, Add	*416.84*	
		For >50 To 100, Add	*208.42*	
		For >500 To 1,000, Deduct	*-80.37*	
		For >1,000 To 2,000, Deduct	*-121.55*	
		For >2,000 To 5,000, Deduct	*-198.46*	
		For >5,000, Deduct	*-329.44*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,798.58	
		For Vinlyester Resin, Add	*1,195.14*	
		For Epoxy Resin, Add	*140.86*	
		For Up To >10, Add	*1,127.39*	
		For >10 To 25, Add	*654.94*	
		For >25 To 50, Add	*478.33*	
		For >50 To 100, Add	*239.16*	
		For >500 To 1,000, Deduct	*-92.21*	
		For >1,000 To 2,000, Deduct	*-139.46*	
		For >2,000 To 5,000, Deduct	*-227.69*	
		For >5,000, Deduct	*-377.96*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,029.29	
		For Vinlyester Resin, Add	*1,348.49*	
		For Epoxy Resin, Add	*158.93*	
		For Up To >10, Add	*1,271.85*	
		For >10 To 25, Add	*738.80*	
		For >25 To 50, Add	*539.60*	
		For >50 To 100, Add	*269.80*	
		For >500 To 1,000, Deduct	*-104.04*	
		For >1,000 To 2,000, Deduct	*-157.34*	
		For >2,000 To 5,000, Deduct	*-256.89*	
		For >5,000, Deduct	*-426.43*	
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,260.02	
		For Vinlyester Resin, Add	*1,501.84*	
		For Epoxy Resin, Add	*177.00*	
		For Up To >10, Add	*1,416.34*	
		For >10 To 25, Add	*822.70*	
		For >25 To 50, Add	*600.89*	
		For >50 To 100, Add	*300.45*	
		For >500 To 1,000, Deduct	*-115.86*	
		For >1,000 To 2,000, Deduct	*-175.23*	
		For >2,000 To 5,000, Deduct	*-286.09*	
		For >5,000, Deduct	*-474.91*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,497.23	
		For Vinlyester Resin, Add	*1,655.20*	
		For Epoxy Resin, Add	*195.08*	
		For Up To >10, Add	*1,580.27*	
		For >10 To 25, Add	*922.79*	
		For >25 To 50, Add	*671.90*	
		For >50 To 100, Add	*335.95*	
		For >500 To 1,000, Deduct	*-128.18*	
		For >1,000 To 2,000, Deduct	*-193.93*	
		For >2,000 To 5,000, Deduct	*-316.91*	
		For >5,000, Deduct	*-525.98*	
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,746.40	
		For Vinlyester Resin, Add	*1,820.90*	
		For Epoxy Resin, Add	*214.61*	
		For Up To >10, Add	*1,735.98*	
		For >10 To 25, Add	*1,013.10*	
		For >25 To 50, Add	*737.92*	
		For >50 To 100, Add	*368.96*	
		For >500 To 1,000, Deduct	*-140.95*	
		For >1,000 To 2,000, Deduct	*-213.24*	
		For >2,000 To 5,000, Deduct	*-348.43*	
		For >5,000, Deduct	*-578.30*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,959.88	
		For Vinlyester Resin, Add	*1,961.90*	
		For Epoxy Resin, Add	*231.22*	
		For Up To >10, Add	*1,872.84*	
		For >10 To 25, Add	*1,093.58*	
		For >25 To 50, Add	*796.28*	
		For >50 To 100, Add	*398.14*	
		For >500 To 1,000, Deduct	*-151.92*	
		For >1,000 To 2,000, Deduct	*-229.85*	
		For >2,000 To 5,000, Deduct	*-375.62*	
		For >5,000, Deduct	*-623.41*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,191.28	
		For Vinlyester Resin, Add	*2,115.26*	
		For Epoxy Resin, Add	*249.30*	
		For Up To >10, Add	*2,019.34*	
		For >10 To 25, Add	*1,179.15*	
		For >25 To 50, Add	*858.58*	
		For >50 To 100, Add	*429.29*	
		For >500 To 1,000, Deduct	*-163.80*	
		For >1,000 To 2,000, Deduct	*-247.82*	
		For >2,000 To 5,000, Deduct	*-404.99*	
		For >5,000, Deduct	*-672.15*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,422.54	
		For Vinlyester Resin, Add	*2,268.61*	
		For Epoxy Resin, Add	*267.37*	
		For Up To >10, Add	*2,165.45*	
		For >10 To 25, Add	*1,264.39*	
		For >25 To 50, Add	*920.68*	
		For >50 To 100, Add	*460.34*	
		For >500 To 1,000, Deduct	*-175.67*	
		For >1,000 To 2,000, Deduct	*-265.77*	
		For >2,000 To 5,000, Deduct	*-434.32*	
		For >5,000, Deduct	*-720.84*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,653.93	
		For Vinlyester Resin, Add	*2,421.97*	
		For Epoxy Resin, Add	*285.45*	
		For Up To >10, Add	*2,311.92*	
		For >10 To 25, Add	*1,349.94*	
		For >25 To 50, Add	*982.96*	
		For >50 To 100, Add	*491.48*	
		For >500 To 1,000, Deduct	*-187.55*	
		For >1,000 To 2,000, Deduct	*-283.74*	
		For >2,000 To 5,000, Deduct	*-463.69*	
		For >5,000, Deduct	*-769.58*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	914.10	
		For Vinlyester Resin, Add	*607.84*	
		For Epoxy Resin, Add	*71.64*	
		For Up To >10, Add	*571.45*	
		For >10 To 25, Add	*331.49*	
		For >25 To 50, Add	*242.31*	
		For >50 To 100, Add	*121.15*	
		For >500 To 1,000, Deduct	*-46.85*	
		For >1,000 To 2,000, Deduct	*-70.85*	
		For >2,000 To 5,000, Deduct	*-115.64*	
		For >5,000, Deduct	*-191.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,034.93	
		For Vinlyester Resin, Add	*688.16*	
		For Epoxy Resin, Add	*81.10*	
		For Up To >10, Add	*647.07*	
		For >10 To 25, Add	*375.37*	
		For >25 To 50, Add	*274.38*	
		For >50 To 100, Add	*137.19*	
		For >500 To 1,000, Deduct	*-53.04*	
		For >1,000 To 2,000, Deduct	*-80.21*	
		For >2,000 To 5,000, Deduct	*-130.93*	
		For >5,000, Deduct	*-217.35*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,155.66	
		For Vinlyester Resin, Add	*768.50*	
		For Epoxy Resin, Add	*90.57*	
		For Up To >10, Add	*722.36*	
		For >10 To 25, Add	*418.99*	
		For >25 To 50, Add	*306.29*	
		For >50 To 100, Add	*153.14*	
		For >500 To 1,000, Deduct	*-59.23*	
		For >1,000 To 2,000, Deduct	*-89.57*	
		For >2,000 To 5,000, Deduct	*-146.19*	
		For >5,000, Deduct	*-242.69*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,397.34	
		For Vinlyester Resin, Add	*929.15*	
		For Epoxy Resin, Add	*109.51*	
		For Up To >10, Add	*873.62*	
		For >10 To 25, Add	*506.79*	
		For >25 To 50, Add	*370.44*	
		For >50 To 100, Add	*185.22*	
		For >500 To 1,000, Deduct	*-71.62*	
		For >1,000 To 2,000, Deduct	*-108.30*	
		For >2,000 To 5,000, Deduct	*-176.78*	
		For >5,000, Deduct	*-293.46*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,638.90	
		For Vinlyester Resin, Add	*1,089.81*	
		For Epoxy Resin, Add	*128.44*	
		For Up To >10, Add	*1,024.53*	
		For >10 To 25, Add	*594.29*	
		For >25 To 50, Add	*434.42*	
		For >50 To 100, Add	*217.21*	
		For >500 To 1,000, Deduct	*-84.00*	
		For >1,000 To 2,000, Deduct	*-127.02*	
		For >2,000 To 5,000, Deduct	*-207.33*	
		For >5,000, Deduct	*-344.19*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,880.60	
		For Vinlyester Resin, Add	*1,250.47*	
		For Epoxy Resin, Add	*147.38*	
		For Up To >10, Add	*1,175.85*	
		For >10 To 25, Add	*682.15*	
		For >25 To 50, Add	*498.61*	
		For >50 To 100, Add	*249.30*	
		For >500 To 1,000, Deduct	*-96.39*	
		For >1,000 To 2,000, Deduct	*-145.76*	
		For >2,000 To 5,000, Deduct	*-237.92*	
		For >5,000, Deduct	*-394.96*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,122.16	
		For Vinlyester Resin, Add	*1,411.12*	
		For Epoxy Resin, Add	*166.31*	
		For Up To >10, Add	*1,326.76*	
		For >10 To 25, Add	*769.65*	
		For >25 To 50, Add	*562.58*	
		For >50 To 100, Add	*281.29*	
		For >500 To 1,000, Deduct	*-108.76*	
		For >1,000 To 2,000, Deduct	*-164.48*	
		For >2,000 To 5,000, Deduct	*-268.47*	
		For >5,000, Deduct	*-445.69*	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,363.72	
		For Vinlyester Resin, Add	*1,571.78*	
		For Epoxy Resin, Add	*185.25*	
		For Up To >10, Add	*1,477.66*	
		For >10 To 25, Add	*857.15*	
		For >25 To 50, Add	*626.56*	
		For >50 To 100, Add	*313.28*	
		For >500 To 1,000, Deduct	*-121.14*	
		For >1,000 To 2,000, Deduct	*-183.20*	
		For >2,000 To 5,000, Deduct	*-299.03*	
		For >5,000, Deduct	*-496.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,611.90	
		For Vinlyester Resin, Add	*1,732.43*	
		For Epoxy Resin, Add	*204.18*	
		For Up To >10, Add	*1,648.45*	
		For >10 To 25, Add	*961.23*	
		For >25 To 50, Add	*700.48*	
		For >50 To 100, Add	*350.24*	
		For >500 To 1,000, Deduct	*-134.02*	
		For >1,000 To 2,000, Deduct	*-202.74*	
		For >2,000 To 5,000, Deduct	*-331.24*	
		For >5,000, Deduct	*-549.78*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,854.54	
		For Vinlyester Resin, Add	*1,893.09*	
		For Epoxy Resin, Add	*223.11*	
		For Up To >10, Add	*1,802.57*	
		For >10 To 25, Add	*1,051.41*	
		For >25 To 50, Add	*766.06*	
		For >50 To 100, Add	*383.03*	
		For >500 To 1,000, Deduct	*-146.48*	
		For >1,000 To 2,000, Deduct	*-221.60*	
		For >2,000 To 5,000, Deduct	*-362.06*	
		For >5,000, Deduct	*-600.93*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,096.23	
		For Vinlyester Resin, Add	*2,053.74*	
		For Epoxy Resin, Add	*242.05*	
		For Up To >10, Add	*1,953.89*	
		For >10 To 25, Add	*1,139.26*	
		For >25 To 50, Add	*830.25*	
		For >50 To 100, Add	*415.12*	
		For >500 To 1,000, Deduct	*-158.87*	
		For >1,000 To 2,000, Deduct	*-240.33*	
		For >2,000 To 5,000, Deduct	*-392.65*	
		For >5,000, Deduct	*-651.71*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,338.46	
		For Vinlyester Resin, Add	*2,214.40*	
		For Epoxy Resin, Add	*260.98*	
		For Up To >10, Add	*2,106.81*	
		For >10 To 25, Add	*1,228.43*	
		For >25 To 50, Add	*895.23*	
		For >50 To 100, Add	*447.62*	
		For >500 To 1,000, Deduct	*-171.30*	
		For >1,000 To 2,000, Deduct	*-259.14*	
		For >2,000 To 5,000, Deduct	*-423.37*	
		For >5,000, Deduct	*-702.70*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,580.69	
		For Vinlyester Resin, Add	*2,375.06*	
		For Epoxy Resin, Add	*279.92*	
		For Up To >10, Add	*2,259.72*	
		For >10 To 25, Add	*1,317.61*	
		For >25 To 50, Add	*960.21*	
		For >50 To 100, Add	*480.11*	
		For >500 To 1,000, Deduct	*-183.73*	
		For >1,000 To 2,000, Deduct	*-277.94*	
		For >2,000 To 5,000, Deduct	*-454.09*	
		For >5,000, Deduct	*-753.69*	
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,822.93	
		For Vinlyester Resin, Add	*2,535.72*	
		For Epoxy Resin, Add	*298.85*	
		For Up To >10, Add	*2,412.67*	
		For >10 To 25, Add	*1,406.81*	
		For >25 To 50, Add	*1,025.21*	
		For >50 To 100, Add	*512.61*	
		For >500 To 1,000, Deduct	*-196.16*	
		For >1,000 To 2,000, Deduct	*-296.74*	
		For >2,000 To 5,000, Deduct	*-484.81*	
		For >5,000, Deduct	*-804.68*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,078.49	
		For Vinlyester Resin, Add	*717.79*	
		For Epoxy Resin, Add	*84.60*	
		For Up To >10, Add	*671.92*	
		For >10 To 25, Add	*389.03*	
		For >25 To 50, Add	*284.69*	
		For >50 To 100, Add	*142.34*	
		For >500 To 1,000, Deduct	*-55.25*	
		For >1,000 To 2,000, Deduct	*-83.54*	
		For >2,000 To 5,000, Deduct	*-136.32*	
		For >5,000, Deduct	*-226.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,204.68	
		For Vinlyester Resin, Add	*801.77*	
		For Epoxy Resin, Add	*94.49*	
		For Up To >10, Add	*750.57*	
		For >10 To 25, Add	*434.57*	
		For >25 To 50, Add	*318.01*	
		For >50 To 100, Add	*159.01*	
		For >500 To 1,000, Deduct	*-61.72*	
		For >1,000 To 2,000, Deduct	*-93.32*	
		For >2,000 To 5,000, Deduct	*-152.27*	
		For >5,000, Deduct	*-252.79*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,457.08	
		For Vinlyester Resin, Add	*969.73*	
		For Epoxy Resin, Add	*114.29*	
		For Up To >10, Add	*907.92*	
		For >10 To 25, Add	*525.71*	
		For >25 To 50, Add	*384.69*	
		For >50 To 100, Add	*192.35*	
		For >500 To 1,000, Deduct	*-74.65*	
		For >1,000 To 2,000, Deduct	*-112.87*	
		For >2,000 To 5,000, Deduct	*-184.18*	
		For >5,000, Deduct	*-305.77*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,709.34	
		For Vinlyester Resin, Add	*1,137.69*	
		For Epoxy Resin, Add	*134.08*	
		For Up To >10, Add	*1,064.85*	
		For >10 To 25, Add	*616.49*	
		For >25 To 50, Add	*451.16*	
		For >50 To 100, Add	*225.58*	
		For >500 To 1,000, Deduct	*-87.57*	
		For >1,000 To 2,000, Deduct	*-132.40*	
		For >2,000 To 5,000, Deduct	*-216.05*	
		For >5,000, Deduct	*-358.68*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,961.72	
		For Vinlyester Resin, Add	*1,305.65*	
		For Epoxy Resin, Add	*153.88*	
		For Up To >10, Add	*1,222.14*	
		For >10 To 25, Add	*707.58*	
		For >25 To 50, Add	*517.81*	
		For >50 To 100, Add	*258.90*	
		For >500 To 1,000, Deduct	*-100.50*	
		For >1,000 To 2,000, Deduct	*-151.95*	
		For >2,000 To 5,000, Deduct	*-247.95*	
		For >5,000, Deduct	*-411.65*	
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,213.99	
		For Vinlyester Resin, Add	*1,473.61*	
		For Epoxy Resin, Add	*173.68*	
		For Up To >10, Add	*1,379.07*	
		For >10 To 25, Add	*798.37*	
		For >25 To 50, Add	*584.28*	
		For >50 To 100, Add	*292.14*	
		For >500 To 1,000, Deduct	*-113.42*	
		For >1,000 To 2,000, Deduct	*-171.49*	
		For >2,000 To 5,000, Deduct	*-279.83*	
		For >5,000, Deduct	*-464.56*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,466.39	
		For Vinlyester Resin, Add	*1,641.57*	
		For Epoxy Resin, Add	*193.47*	
		For Up To >10, Add	*1,536.42*	
		For >10 To 25, Add	*889.50*	
		For >25 To 50, Add	*650.96*	
		For >50 To 100, Add	*325.48*	
		For >500 To 1,000, Deduct	*-126.35*	
		For >1,000 To 2,000, Deduct	*-191.04*	
		For >2,000 To 5,000, Deduct	*-311.73*	
		For >5,000, Deduct	*-517.54*	
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,725.42	
		For Vinlyester Resin, Add	*1,809.53*	
		For Epoxy Resin, Add	*213.27*	
		For Up To >10, Add	*1,713.66*	
		For >10 To 25, Add	*997.21*	
		For >25 To 50, Add	*727.58*	
		For >50 To 100, Add	*363.79*	
		For >500 To 1,000, Deduct	*-139.78*	
		For >1,000 To 2,000, Deduct	*-211.43*	
		For >2,000 To 5,000, Deduct	*-345.30*	
		For >5,000, Deduct	*-573.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,978.62	
		For Vinlyester Resin, Add	*1,977.49*	
		For Epoxy Resin, Add	*233.06*	
		For Up To >10, Add	*1,873.41*	
		For >10 To 25, Add	*1,090.35*	
		For >25 To 50, Add	*795.46*	
		For >50 To 100, Add	*397.73*	
		For >500 To 1,000, Deduct	*-152.77*	
		For >1,000 To 2,000, Deduct	*-231.08*	
		For >2,000 To 5,000, Deduct	*-377.41*	
		For >5,000, Deduct	*-626.45*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,229.12	
		For Vinlyester Resin, Add	*2,145.44*	
		For Epoxy Resin, Add	*252.86*	
		For Up To >10, Add	*2,025.06*	
		For >10 To 25, Add	*1,176.73*	
		For >25 To 50, Add	*859.28*	
		For >50 To 100, Add	*429.64*	
		For >500 To 1,000, Deduct	*-165.56*	
		For >1,000 To 2,000, Deduct	*-250.39*	
		For >2,000 To 5,000, Deduct	*-408.84*	
		For >5,000, Deduct	*-678.66*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,484.35	
		For Vinlyester Resin, Add	*2,313.40*	
		For Epoxy Resin, Add	*272.65*	
		For Up To >10, Add	*2,190.90*	
		For >10 To 25, Add	*1,274.94*	
		For >25 To 50, Add	*930.21*	
		For >50 To 100, Add	*465.10*	
		For >500 To 1,000, Deduct	*-178.70*	
		For >1,000 To 2,000, Deduct	*-270.30*	
		For >2,000 To 5,000, Deduct	*-441.46*	
		For >5,000, Deduct	*-732.77*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,737.29	
		For Vinlyester Resin, Add	*2,481.36*	
		For Epoxy Resin, Add	*292.45*	
		For Up To >10, Add	*2,349.87*	
		For >10 To 25, Add	*1,367.43*	
		For >25 To 50, Add	*997.70*	
		For >50 To 100, Add	*498.85*	
		For >500 To 1,000, Deduct	*-191.68*	
		For >1,000 To 2,000, Deduct	*-289.92*	
		For >2,000 To 5,000, Deduct	*-473.50*	
		For >5,000, Deduct	*-785.96*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,990.23	
		For Vinlyester Resin, Add	*2,649.33*	
		For Epoxy Resin, Add	*312.24*	
		For Up To >10, Add	*2,508.82*	
		For >10 To 25, Add	*1,459.89*	
		For >25 To 50, Add	*1,065.17*	
		For >50 To 100, Add	*532.59*	
		For >500 To 1,000, Deduct	*-204.65*	
		For >1,000 To 2,000, Deduct	*-309.54*	
		For >2,000 To 5,000, Deduct	*-505.54*	
		For >5,000, Deduct	*-839.14*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,121.83	
		For Vinlyester Resin, Add	*747.28*	
		For Epoxy Resin, Add	*88.07*	
		For Up To >10, Add	*696.64*	
		For >10 To 25, Add	*402.61*	
		For >25 To 50, Add	*294.94*	
		For >50 To 100, Add	*147.47*	
		For >500 To 1,000, Deduct	*-57.45*	
		For >1,000 To 2,000, Deduct	*-86.85*	
		For >2,000 To 5,000, Deduct	*-141.68*	
		For >5,000, Deduct	*-235.22*	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,253.37	
		For Vinlyester Resin, Add	*834.90*	
		For Epoxy Resin, Add	*98.40*	
		For Up To >10, Add	*778.31*	
		For >10 To 25, Add	*449.81*	
		For >25 To 50, Add	*329.52*	
		For >50 To 100, Add	*164.76*	
		For >500 To 1,000, Deduct	*-64.18*	
		For >1,000 To 2,000, Deduct	*-97.04*	
		For >2,000 To 5,000, Deduct	*-158.29*	
		For >5,000, Deduct	*-262.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,516.46	
		For Vinlyester Resin, Add	*1,010.17*	
		For Epoxy Resin, Add	*119.06*	
		For Up To >10, Add	*941.63*	
		For >10 To 25, Add	*544.18*	
		For >25 To 50, Add	*398.66*	
		For >50 To 100, Add	*199.33*	
		For >500 To 1,000, Deduct	*-77.66*	
		For >1,000 To 2,000, Deduct	*-117.40*	
		For >2,000 To 5,000, Deduct	*-191.51*	
		For >5,000, Deduct	*-317.96*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,779.57	
		For Vinlyester Resin, Add	*1,185.44*	
		For Epoxy Resin, Add	*139.71*	
		For Up To >10, Add	*1,105.01*	
		For >10 To 25, Add	*638.60*	
		For >25 To 50, Add	*467.83*	
		For >50 To 100, Add	*233.92*	
		For >500 To 1,000, Deduct	*-91.13*	
		For >1,000 To 2,000, Deduct	*-137.77*	
		For >2,000 To 5,000, Deduct	*-224.74*	
		For >5,000, Deduct	*-373.13*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,042.54	
		For Vinlyester Resin, Add	*1,360.70*	
		For Epoxy Resin, Add	*160.37*	
		For Up To >10, Add	*1,268.00*	
		For >10 To 25, Add	*732.69*	
		For >25 To 50, Add	*536.81*	
		For >50 To 100, Add	*268.40*	
		For >500 To 1,000, Deduct	*-104.59*	
		For >1,000 To 2,000, Deduct	*-158.13*	
		For >2,000 To 5,000, Deduct	*-257.93*	
		For >5,000, Deduct	*-428.25*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,305.62	
		For Vinlyester Resin, Add	*1,535.95*	
		For Epoxy Resin, Add	*181.02*	
		For Up To >10, Add	*1,431.31*	
		For >10 To 25, Add	*827.06*	
		For >25 To 50, Add	*605.94*	
		For >50 To 100, Add	*302.97*	
		For >500 To 1,000, Deduct	*-118.07*	
		For >1,000 To 2,000, Deduct	*-178.49*	
		For >2,000 To 5,000, Deduct	*-291.16*	
		For >5,000, Deduct	*-483.40*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,568.72	
		For Vinlyester Resin, Add	*1,711.21*	
		For Epoxy Resin, Add	*201.68*	
		For Up To >10, Add	*1,594.69*	
		For >10 To 25, Add	*921.47*	
		For >25 To 50, Add	*675.11*	
		For >50 To 100, Add	*337.56*	
		For >500 To 1,000, Deduct	*-131.54*	
		For >1,000 To 2,000, Deduct	*-198.86*	
		For >2,000 To 5,000, Deduct	*-324.38*	
		For >5,000, Deduct	*-538.57*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,838.73	
		For Vinlyester Resin, Add	*1,886.48*	
		For Epoxy Resin, Add	*222.34*	
		For Up To >10, Add	*1,778.77*	
		For >10 To 25, Add	*1,033.14*	
		For >25 To 50, Add	*754.63*	
		For >50 To 100, Add	*377.32*	
		For >500 To 1,000, Deduct	*-145.53*	
		For >1,000 To 2,000, Deduct	*-220.09*	
		For >2,000 To 5,000, Deduct	*-359.34*	
		For >5,000, Deduct	*-596.50*	
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,102.50	
		For Vinlyester Resin, Add	*2,061.74*	
		For Epoxy Resin, Add	*242.99*	
		For Up To >10, Add	*1,944.15*	
		For >10 To 25, Add	*1,129.24*	
		For >25 To 50, Add	*824.81*	
		For >50 To 100, Add	*412.40*	
		For >500 To 1,000, Deduct	*-159.05*	
		For >1,000 To 2,000, Deduct	*-240.55*	
		For >2,000 To 5,000, Deduct	*-392.73*	
		For >5,000, Deduct	*-651.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,361.67	
		For Vinlyester Resin, Add	*2,237.00*	
		For Epoxy Resin, Add	*263.65*	
		For Up To >10, Add	*2,095.74*	
		For >10 To 25, Add	*1,213.83*	
		For >25 To 50, Add	*888.08*	
		For >50 To 100, Add	*444.04*	
		For >500 To 1,000, Deduct	*-172.23*	
		For >1,000 To 2,000, Deduct	*-260.42*	
		For >2,000 To 5,000, Deduct	*-424.98*	
		For >5,000, Deduct	*-705.53*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,629.92	
		For Vinlyester Resin, Add	*2,412.26*	
		For Epoxy Resin, Add	*284.30*	
		For Up To >10, Add	*2,274.54*	
		For >10 To 25, Add	*1,321.10*	
		For >25 To 50, Add	*964.96*	
		For >50 To 100, Add	*482.48*	
		For >500 To 1,000, Deduct	*-186.09*	
		For >1,000 To 2,000, Deduct	*-281.44*	
		For >2,000 To 5,000, Deduct	*-459.49*	
		For >5,000, Deduct	*-762.75*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,893.69	
		For Vinlyester Resin, Add	*2,587.52*	
		For Epoxy Resin, Add	*304.96*	
		For Up To >10, Add	*2,439.92*	
		For >10 To 25, Add	*1,417.19*	
		For >25 To 50, Add	*1,035.14*	
		For >50 To 100, Add	*517.57*	
		For >500 To 1,000, Deduct	*-199.62*	
		For >1,000 To 2,000, Deduct	*-301.89*	
		For >2,000 To 5,000, Deduct	*-492.88*	
		For >5,000, Deduct	*-818.18*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,157.47	
		For Vinlyester Resin, Add	*2,762.79*	
		For Epoxy Resin, Add	*325.61*	
		For Up To >10, Add	*2,605.31*	
		For >10 To 25, Add	*1,513.29*	
		For >25 To 50, Add	*1,105.31*	
		For >50 To 100, Add	*552.66*	
		For >500 To 1,000, Deduct	*-213.14*	
		For >1,000 To 2,000, Deduct	*-322.34*	
		For >2,000 To 5,000, Deduct	*-526.28*	
		For >5,000, Deduct	*-873.62*	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,421.10	
		For Vinlyester Resin, Add	*2,938.05*	
		For Epoxy Resin, Add	*346.27*	
		For Up To >10, Add	*2,770.28*	
		For >10 To 25, Add	*1,609.03*	
		For >25 To 50, Add	*1,175.28*	
		For >50 To 100, Add	*587.64*	
		For >500 To 1,000, Deduct	*-226.65*	
		For >1,000 To 2,000, Deduct	*-342.78*	
		For >2,000 To 5,000, Deduct	*-559.64*	
		For >5,000, Deduct	*-929.00*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,684.88	
		For Vinlyester Resin, Add	*3,113.31*	
		For Epoxy Resin, Add	*366.93*	
		For Up To >10, Add	*2,935.69*	
		For >10 To 25, Add	*1,705.15*	
		For >25 To 50, Add	*1,245.47*	
		For >50 To 100, Add	*622.73*	
		For >500 To 1,000, Deduct	*-240.18*	
		For >1,000 To 2,000, Deduct	*-363.23*	
		For >2,000 To 5,000, Deduct	*-593.03*	
		For >5,000, Deduct	*-984.44*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,301.72	
		For Vinlyester Resin, Add	*867.90*	
		For Epoxy Resin, Add	*102.29*	
		For Up To >10, Add	*805.54*	
		For >10 To 25, Add	*464.64*	
		For >25 To 50, Add	*340.78*	
		For >50 To 100, Add	*170.39*	
		For >500 To 1,000, Deduct	*-66.63*	
		For >1,000 To 2,000, Deduct	*-100.72*	
		For >2,000 To 5,000, Deduct	*-164.25*	
		For >5,000, Deduct	*-272.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,575.52	
		For Vinlyester Resin, Add	*1,050.46*	
		For Epoxy Resin, Add	*123.80*	
		For Up To >10, Add	*974.91*	
		For >10 To 25, Add	*562.32*	
		For >25 To 50, Add	*412.42*	
		For >50 To 100, Add	*206.21*	
		For >500 To 1,000, Deduct	*-80.65*	
		For >1,000 To 2,000, Deduct	*-121.91*	
		For >2,000 To 5,000, Deduct	*-198.79*	
		For >5,000, Deduct	*-330.08*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,849.33	
		For Vinlyester Resin, Add	*1,233.03*	
		For Epoxy Resin, Add	*145.32*	
		For Up To >10, Add	*1,144.32*	
		For >10 To 25, Add	*660.02*	
		For >25 To 50, Add	*484.08*	
		For >50 To 100, Add	*242.04*	
		For >500 To 1,000, Deduct	*-94.66*	
		For >1,000 To 2,000, Deduct	*-143.09*	
		For >2,000 To 5,000, Deduct	*-233.34*	
		For >5,000, Deduct	*-387.44*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,123.12	
		For Vinlyester Resin, Add	*1,415.59*	
		For Epoxy Resin, Add	*166.84*	
		For Up To >10, Add	*1,313.69*	
		For >10 To 25, Add	*757.69*	
		For >25 To 50, Add	*555.73*	
		For >50 To 100, Add	*277.86*	
		For >500 To 1,000, Deduct	*-108.68*	
		For >1,000 To 2,000, Deduct	*-164.28*	
		For >2,000 To 5,000, Deduct	*-267.88*	
		For >5,000, Deduct	*-444.79*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,396.93	
		For Vinlyester Resin, Add	*1,598.16*	
		For Epoxy Resin, Add	*188.35*	
		For Up To >10, Add	*1,483.09*	
		For >10 To 25, Add	*855.40*	
		For >25 To 50, Add	*627.39*	
		For >50 To 100, Add	*313.70*	
		For >500 To 1,000, Deduct	*-122.69*	
		For >1,000 To 2,000, Deduct	*-185.46*	
		For >2,000 To 5,000, Deduct	*-302.43*	
		For >5,000, Deduct	*-502.16*	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,670.73	
		For Vinlyester Resin, Add	*1,780.72*	
		For Epoxy Resin, Add	*209.87*	
		For Up To >10, Add	*1,652.47*	
		For >10 To 25, Add	*953.07*	
		For >25 To 50, Add	*699.04*	
		For >50 To 100, Add	*349.52*	
		For >500 To 1,000, Deduct	*-136.71*	
		For >1,000 To 2,000, Deduct	*-206.65*	
		For >2,000 To 5,000, Deduct	*-336.98*	
		For >5,000, Deduct	*-559.51*	
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,951.56	
		For Vinlyester Resin, Add	*1,963.28*	
		For Epoxy Resin, Add	*231.39*	
		For Up To >10, Add	*1,842.96*	
		For >10 To 25, Add	*1,068.35*	
		For >25 To 50, Add	*781.24*	
		For >50 To 100, Add	*390.62*	
		For >500 To 1,000, Deduct	*-151.25*	
		For >1,000 To 2,000, Deduct	*-228.71*	
		For >2,000 To 5,000, Deduct	*-373.28*	
		For >5,000, Deduct	*-619.69*	
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,226.03	
		For Vinlyester Resin, Add	*2,145.84*	
		For Epoxy Resin, Add	*252.90*	
		For Up To >10, Add	*2,014.37*	
		For >10 To 25, Add	*1,167.72*	
		For >25 To 50, Add	*853.91*	
		For >50 To 100, Add	*426.95*	
		For >500 To 1,000, Deduct	*-165.32*	
		For >1,000 To 2,000, Deduct	*-249.98*	
		For >2,000 To 5,000, Deduct	*-407.99*	
		For >5,000, Deduct	*-677.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,498.21	
		For Vinlyester Resin, Add	*2,328.41*	
		For Epoxy Resin, Add	*274.42*	
		For Up To >10, Add	*2,178.88*	
		For >10 To 25, Add	*1,261.35*	
		For >25 To 50, Add	*923.13*	
		For >50 To 100, Add	*461.56*	
		For >500 To 1,000, Deduct	*-179.21*	
		For >1,000 To 2,000, Deduct	*-270.96*	
		For >2,000 To 5,000, Deduct	*-442.13*	
		For >5,000, Deduct	*-734.02*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,775.00	
		For Vinlyester Resin, Add	*2,510.98*	
		For Epoxy Resin, Add	*295.94*	
		For Up To >10, Add	*2,357.23*	
		For >10 To 25, Add	*1,366.50*	
		For >25 To 50, Add	*999.26*	
		For >50 To 100, Add	*499.63*	
		For >500 To 1,000, Deduct	*-193.45*	
		For >1,000 To 2,000, Deduct	*-292.52*	
		For >2,000 To 5,000, Deduct	*-477.43*	
		For >5,000, Deduct	*-792.58*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,049.47	
		For Vinlyester Resin, Add	*2,693.54*	
		For Epoxy Resin, Add	*317.45*	
		For Up To >10, Add	*2,528.64*	
		For >10 To 25, Add	*1,465.88*	
		For >25 To 50, Add	*1,071.92*	
		For >50 To 100, Add	*535.96*	
		For >500 To 1,000, Deduct	*-207.51*	
		For >1,000 To 2,000, Deduct	*-313.79*	
		For >2,000 To 5,000, Deduct	*-512.14*	
		For >5,000, Deduct	*-850.21*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,323.82	
		For Vinlyester Resin, Add	*2,876.10*	
		For Epoxy Resin, Add	*338.97*	
		For Up To >10, Add	*2,699.66*	
		For >10 To 25, Add	*1,564.93*	
		For >25 To 50, Add	*1,144.39*	
		For >50 To 100, Add	*572.20*	
		For >500 To 1,000, Deduct	*-221.57*	
		For >1,000 To 2,000, Deduct	*-335.04*	
		For >2,000 To 5,000, Deduct	*-546.82*	
		For >5,000, Deduct	*-907.78*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,598.30	
		For Vinlyester Resin, Add	*3,058.67*	
		For Epoxy Resin, Add	*360.49*	
		For Up To >10, Add	*2,871.08*	
		For >10 To 25, Add	*1,664.31*	
		For >25 To 50, Add	*1,217.06*	
		For >50 To 100, Add	*608.53*	
		For >500 To 1,000, Deduct	*-235.63*	
		For >1,000 To 2,000, Deduct	*-356.31*	
		For >2,000 To 5,000, Deduct	*-581.54*	
		For >5,000, Deduct	*-965.41*	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,872.78	
		For Vinlyester Resin, Add	*3,241.23*	
		For Epoxy Resin, Add	*382.00*	
		For Up To >10, Add	*3,042.52*	
		For >10 To 25, Add	*1,763.71*	
		For >25 To 50, Add	*1,289.74*	
		For >50 To 100, Add	*644.87*	
		For >500 To 1,000, Deduct	*-249.70*	
		For >1,000 To 2,000, Deduct	*-377.58*	
		For >2,000 To 5,000, Deduct	*-616.25*	
		For >5,000, Deduct	*-1,023.05*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,634.37	
		For Vinlyester Resin, Add	*1,090.61*	
		For Epoxy Resin, Add	*128.54*	
		For Up To >10, Add	*1,008.06*	
		For >10 To 25, Add	*580.38*	
		For >25 To 50, Add	*426.13*	
		For >50 To 100, Add	*213.06*	
		For >500 To 1,000, Deduct	*-83.63*	
		For >1,000 To 2,000, Deduct	*-126.40*	
		For >2,000 To 5,000, Deduct	*-206.05*	
		For >5,000, Deduct	*-342.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,918.87	
		For Vinlyester Resin, Add	*1,280.48*	
		For Epoxy Resin, Add	*150.91*	
		For Up To >10, Add	*1,183.46*	
		For >10 To 25, Add	*681.34*	
		For >25 To 50, Add	*500.27*	
		For >50 To 100, Add	*250.13*	
		For >500 To 1,000, Deduct	*-98.18*	
		For >1,000 To 2,000, Deduct	*-148.40*	
		For >2,000 To 5,000, Deduct	*-241.91*	
		For >5,000, Deduct	*-401.70*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,203.38	
		For Vinlyester Resin, Add	*1,470.35*	
		For Epoxy Resin, Add	*173.29*	
		For Up To >10, Add	*1,358.89*	
		For >10 To 25, Add	*782.33*	
		For >25 To 50, Add	*574.42*	
		For >50 To 100, Add	*287.21*	
		For >500 To 1,000, Deduct	*-112.74*	
		For >1,000 To 2,000, Deduct	*-170.40*	
		For >2,000 To 5,000, Deduct	*-277.78*	
		For >5,000, Deduct	*-461.25*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,487.87	
		For Vinlyester Resin, Add	*1,660.21*	
		For Epoxy Resin, Add	*195.67*	
		For Up To >10, Add	*1,534.29*	
		For >10 To 25, Add	*883.28*	
		For >25 To 50, Add	*648.56*	
		For >50 To 100, Add	*324.28*	
		For >500 To 1,000, Deduct	*-127.30*	
		For >1,000 To 2,000, Deduct	*-192.40*	
		For >2,000 To 5,000, Deduct	*-313.64*	
		For >5,000, Deduct	*-520.80*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,772.52	
		For Vinlyester Resin, Add	*1,850.08*	
		For Epoxy Resin, Add	*218.05*	
		For Up To >10, Add	*1,710.14*	
		For >10 To 25, Add	*984.62*	
		For >25 To 50, Add	*722.92*	
		For >50 To 100, Add	*361.46*	
		For >500 To 1,000, Deduct	*-141.86*	
		For >1,000 To 2,000, Deduct	*-214.42*	
		For >2,000 To 5,000, Deduct	*-349.54*	
		For >5,000, Deduct	*-580.41*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,064.06	
		For Vinlyester Resin, Add	*2,039.95*	
		For Epoxy Resin, Add	*240.42*	
		For Up To >10, Add	*1,906.66*	
		For >10 To 25, Add	*1,103.18*	
		For >25 To 50, Add	*807.62*	
		For >50 To 100, Add	*403.81*	
		For >500 To 1,000, Deduct	*-156.95*	
		For >1,000 To 2,000, Deduct	*-237.30*	
		For >2,000 To 5,000, Deduct	*-387.17*	
		For >5,000, Deduct	*-642.78*	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,349.23	
		For Vinlyester Resin, Add	*2,229.81*	
		For Epoxy Resin, Add	*262.80*	
		For Up To >10, Add	*2,084.09*	
		For >10 To 25, Add	*1,205.84*	
		For >25 To 50, Add	*882.77*	
		For >50 To 100, Add	*441.39*	
		For >500 To 1,000, Deduct	*-171.56*	
		For >1,000 To 2,000, Deduct	*-259.38*	
		For >2,000 To 5,000, Deduct	*-423.20*	
		For >5,000, Deduct	*-702.60*	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,634.42	
		For Vinlyester Resin, Add	*2,419.68*	
		For Epoxy Resin, Add	*285.18*	
		For Up To >10, Add	*2,261.56*	
		For >10 To 25, Add	*1,308.52*	
		For >25 To 50, Add	*957.95*	
		For >50 To 100, Add	*478.97*	
		For >500 To 1,000, Deduct	*-186.16*	
		For >1,000 To 2,000, Deduct	*-281.47*	
		For >2,000 To 5,000, Deduct	*-459.24*	
		For >5,000, Deduct	*-762.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,919.74	
		For Vinlyester Resin, Add	*2,609.54*	
		For Epoxy Resin, Add	*307.55*	
		For Up To >10, Add	*2,439.42*	
		For >10 To 25, Add	*1,411.53*	
		For >25 To 50, Add	*1,033.31*	
		For >50 To 100, Add	*516.66*	
		For >500 To 1,000, Deduct	*-200.78*	
		For >1,000 To 2,000, Deduct	*-303.57*	
		For >2,000 To 5,000, Deduct	*-495.31*	
		For >5,000, Deduct	*-822.31*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,204.92	
		For Vinlyester Resin, Add	*2,799.41*	
		For Epoxy Resin, Add	*329.93*	
		For Up To >10, Add	*2,616.86*	
		For >10 To 25, Add	*1,514.19*	
		For >25 To 50, Add	*1,108.47*	
		For >50 To 100, Add	*554.24*	
		For >500 To 1,000, Deduct	*-215.39*	
		For >1,000 To 2,000, Deduct	*-325.66*	
		For >2,000 To 5,000, Deduct	*-531.34*	
		For >5,000, Deduct	*-882.14*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,490.11	
		For Vinlyester Resin, Add	*2,989.28*	
		For Epoxy Resin, Add	*352.31*	
		For Up To >10, Add	*2,794.33*	
		For >10 To 25, Add	*1,616.88*	
		For >25 To 50, Add	*1,183.65*	
		For >50 To 100, Add	*591.82*	
		For >500 To 1,000, Deduct	*-230.00*	
		For >1,000 To 2,000, Deduct	*-347.74*	
		For >2,000 To 5,000, Deduct	*-567.38*	
		For >5,000, Deduct	*-941.96*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,775.29	
		For Vinlyester Resin, Add	*3,179.15*	
		For Epoxy Resin, Add	*374.69*	
		For Up To >10, Add	*2,971.77*	
		For >10 To 25, Add	*1,719.54*	
		For >25 To 50, Add	*1,258.80*	
		For >50 To 100, Add	*629.40*	
		For >500 To 1,000, Deduct	*-244.61*	
		For >1,000 To 2,000, Deduct	*-369.83*	
		For >2,000 To 5,000, Deduct	*-603.41*	
		For >5,000, Deduct	*-1,001.79*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,060.47	
		For Vinlyester Resin, Add	*3,369.02*	
		For Epoxy Resin, Add	*397.06*	
		For Up To >10, Add	*3,149.21*	
		For >10 To 25, Add	*1,822.20*	
		For >25 To 50, Add	*1,333.96*	
		For >50 To 100, Add	*666.98*	
		For >500 To 1,000, Deduct	*-259.21*	
		For >1,000 To 2,000, Deduct	*-391.91*	
		For >2,000 To 5,000, Deduct	*-639.44*	
		For >5,000, Deduct	*-1,061.61*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,345.64	
		For Vinlyester Resin, Add	*3,558.88*	
		For Epoxy Resin, Add	*419.44*	
		For Up To >10, Add	*3,326.65*	
		For >10 To 25, Add	*1,924.85*	
		For >25 To 50, Add	*1,409.12*	
		For >50 To 100, Add	*704.56*	
		For >500 To 1,000, Deduct	*-273.82*	
		For >1,000 To 2,000, Deduct	*-414.00*	
		For >2,000 To 5,000, Deduct	*-675.48*	
		For >5,000, Deduct	*-1,121.43*	
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,630.83	
		For Vinlyester Resin, Add	*3,748.75*	
		For Epoxy Resin, Add	*441.82*	
		For Up To >10, Add	*3,504.12*	
		For >10 To 25, Add	*2,027.54*	
		For >25 To 50, Add	*1,484.29*	
		For >50 To 100, Add	*742.15*	
		For >500 To 1,000, Deduct	*-288.43*	
		For >1,000 To 2,000, Deduct	*-436.09*	
		For >2,000 To 5,000, Deduct	*-711.51*	
		For >5,000, Deduct	*-1,181.26*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,988.08	
		For Vinlyester Resin, Add	*1,327.79*	
		For Epoxy Resin, Add	*156.49*	
		For Up To >10, Add	*1,222.14*	
		For >10 To 25, Add	*702.31*	
		For >25 To 50, Add	*516.23*	
		For >50 To 100, Add	*258.11*	
		For >500 To 1,000, Deduct	*-101.69*	
		For >1,000 To 2,000, Deduct	*-153.67*	
		For >2,000 To 5,000, Deduct	*-250.43*	
		For >5,000, Deduct	*-415.86*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,283.28	
		For Vinlyester Resin, Add	*1,524.96*	
		For Epoxy Resin, Add	*179.73*	
		For Up To >10, Add	*1,403.57*	
		For >10 To 25, Add	*806.55*	
		For >25 To 50, Add	*592.86*	
		For >50 To 100, Add	*296.43*	
		For >500 To 1,000, Deduct	*-116.78*	
		For >1,000 To 2,000, Deduct	*-176.48*	
		For >2,000 To 5,000, Deduct	*-287.61*	
		For >5,000, Deduct	*-477.61*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,578.50	
		For Vinlyester Resin, Add	*1,722.13*	
		For Epoxy Resin, Add	*202.96*	
		For Up To >10, Add	*1,585.05*	
		For >10 To 25, Add	*910.85*	
		For >25 To 50, Add	*669.52*	
		For >50 To 100, Add	*334.76*	
		For >500 To 1,000, Deduct	*-131.88*	
		For >1,000 To 2,000, Deduct	*-199.30*	
		For >2,000 To 5,000, Deduct	*-324.80*	
		For >5,000, Deduct	*-539.36*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,873.70	
		For Vinlyester Resin, Add	*1,919.30*	
		For Epoxy Resin, Add	*226.20*	
		For Up To >10, Add	*1,766.48*	
		For >10 To 25, Add	*1,015.09*	
		For >25 To 50, Add	*746.15*	
		For >50 To 100, Add	*373.07*	
		For >500 To 1,000, Deduct	*-146.98*	
		For >1,000 To 2,000, Deduct	*-222.12*	
		For >2,000 To 5,000, Deduct	*-361.98*	
		For >5,000, Deduct	*-601.11*	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,176.21	
		For Vinlyester Resin, Add	*2,116.46*	
		For Epoxy Resin, Add	*249.44*	
		For Up To >10, Add	*1,969.83*	
		For >10 To 25, Add	*1,137.61*	
		For >25 To 50, Add	*833.74*	
		For >50 To 100, Add	*416.87*	
		For >500 To 1,000, Deduct	*-162.63*	
		For >1,000 To 2,000, Deduct	*-245.85*	
		For >2,000 To 5,000, Deduct	*-400.99*	
		For >5,000, Deduct	*-665.78*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,472.10	
		For Vinlyester Resin, Add	*2,313.63*	
		For Epoxy Resin, Add	*272.68*	
		For Up To >10, Add	*2,153.33*	
		For >10 To 25, Add	*1,243.57*	
		For >25 To 50, Add	*911.40*	
		For >50 To 100, Add	*455.70*	
		For >500 To 1,000, Deduct	*-177.78*	
		For >1,000 To 2,000, Deduct	*-268.75*	
		For >2,000 To 5,000, Deduct	*-438.35*	
		For >5,000, Deduct	*-727.80*	
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,767.98	
		For Vinlyester Resin, Add	*2,510.80*	
		For Epoxy Resin, Add	*295.92*	
		For Up To >10, Add	*2,336.79*	
		For >10 To 25, Add	*1,349.52*	
		For >25 To 50, Add	*989.05*	
		For >50 To 100, Add	*494.53*	
		For >500 To 1,000, Deduct	*-192.93*	
		For >1,000 To 2,000, Deduct	*-291.65*	
		For >2,000 To 5,000, Deduct	*-475.70*	
		For >5,000, Deduct	*-789.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,063.86	
		For Vinlyester Resin, Add	*2,707.97*	
		For Epoxy Resin, Add	*319.15*	
		For Up To >10, Add	*2,520.26*	
		For >10 To 25, Add	*1,455.46*	
		For >25 To 50, Add	*1,066.70*	
		For >50 To 100, Add	*533.35*	
		For >500 To 1,000, Deduct	*-208.08*	
		For >1,000 To 2,000, Deduct	*-314.56*	
		For >2,000 To 5,000, Deduct	*-513.06*	
		For >5,000, Deduct	*-851.84*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,359.75	
		For Vinlyester Resin, Add	*2,905.14*	
		For Epoxy Resin, Add	*342.39*	
		For Up To >10, Add	*2,703.75*	
		For >10 To 25, Add	*1,561.43*	
		For >25 To 50, Add	*1,144.37*	
		For >50 To 100, Add	*572.18*	
		For >500 To 1,000, Deduct	*-223.23*	
		For >1,000 To 2,000, Deduct	*-337.46*	
		For >2,000 To 5,000, Deduct	*-550.41*	
		For >5,000, Deduct	*-913.86*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,655.63	
		For Vinlyester Resin, Add	*3,102.31*	
		For Epoxy Resin, Add	*365.63*	
		For Up To >10, Add	*2,887.22*	
		For >10 To 25, Add	*1,667.37*	
		For >25 To 50, Add	*1,222.01*	
		For >50 To 100, Add	*611.01*	
		For >500 To 1,000, Deduct	*-238.38*	
		For >1,000 To 2,000, Deduct	*-360.36*	
		For >2,000 To 5,000, Deduct	*-587.76*	
		For >5,000, Deduct	*-975.88*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,951.52	
		For Vinlyester Resin, Add	*3,299.48*	
		For Epoxy Resin, Add	*388.87*	
		For Up To >10, Add	*3,070.71*	
		For >10 To 25, Add	*1,773.34*	
		For >25 To 50, Add	*1,299.68*	
		For >50 To 100, Add	*649.84*	
		For >500 To 1,000, Deduct	*-253.53*	
		For >1,000 To 2,000, Deduct	*-383.26*	
		For >2,000 To 5,000, Deduct	*-625.12*	
		For >5,000, Deduct	*-1,037.90*	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,247.40	
		For Vinlyester Resin, Add	*3,496.65*	
		For Epoxy Resin, Add	*412.10*	
		For Up To >10, Add	*3,254.18*	
		For >10 To 25, Add	*1,879.28*	
		For >25 To 50, Add	*1,377.33*	
		For >50 To 100, Add	*688.66*	
		For >500 To 1,000, Deduct	*-268.67*	
		For >1,000 To 2,000, Deduct	*-406.16*	
		For >2,000 To 5,000, Deduct	*-662.47*	
		For >5,000, Deduct	*-1,099.92*	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,543.28	
		For Vinlyester Resin, Add	*3,693.82*	
		For Epoxy Resin, Add	*435.34*	
		For Up To >10, Add	*3,437.64*	
		For >10 To 25, Add	*1,985.22*	
		For >25 To 50, Add	*1,454.98*	
		For >50 To 100, Add	*727.49*	
		For >500 To 1,000, Deduct	*-283.82*	
		For >1,000 To 2,000, Deduct	*-429.07*	
		For >2,000 To 5,000, Deduct	*-699.83*	
		For >5,000, Deduct	*-1,161.94*	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,839.17	
		For Vinlyester Resin, Add	*3,890.99*	
		For Epoxy Resin, Add	*458.58*	
		For Up To >10, Add	*3,621.11*	
		For >10 To 25, Add	*2,091.17*	
		For >25 To 50, Add	*1,532.63*	
		For >50 To 100, Add	*766.31*	
		For >500 To 1,000, Deduct	*-298.97*	
		For >1,000 To 2,000, Deduct	*-451.97*	
		For >2,000 To 5,000, Deduct	*-737.18*	
		For >5,000, Deduct	*-1,223.96*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,362.86	
		For Vinlyester Resin, Add	*1,579.42*	
		For Epoxy Resin, Add	*186.15*	
		For Up To >10, Add	*1,447.78*	
		For >10 To 25, Add	*830.43*	
		For >25 To 50, Add	*611.07*	
		For >50 To 100, Add	*305.54*	
		For >500 To 1,000, Deduct	*-120.81*	
		For >1,000 To 2,000, Deduct	*-182.54*	
		For >2,000 To 5,000, Deduct	*-297.39*	
		For >5,000, Deduct	*-493.88*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,668.77	
		For Vinlyester Resin, Add	*1,783.90*	
		For Epoxy Resin, Add	*210.25*	
		For Up To >10, Add	*1,635.24*	
		For >10 To 25, Add	*937.96*	
		For >25 To 50, Add	*690.20*	
		For >50 To 100, Add	*345.10*	
		For >500 To 1,000, Deduct	*-136.45*	
		For >1,000 To 2,000, Deduct	*-206.17*	
		For >2,000 To 5,000, Deduct	*-335.90*	
		For >5,000, Deduct	*-557.82*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,974.68	
		For Vinlyester Resin, Add	*1,988.37*	
		For Epoxy Resin, Add	*234.34*	
		For Up To >10, Add	*1,822.72*	
		For >10 To 25, Add	*1,045.51*	
		For >25 To 50, Add	*769.33*	
		For >50 To 100, Add	*384.67*	
		For >500 To 1,000, Deduct	*-152.09*	
		For >1,000 To 2,000, Deduct	*-229.81*	
		For >2,000 To 5,000, Deduct	*-374.40*	
		For >5,000, Deduct	*-621.77*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,288.04	
		For Vinlyester Resin, Add	*2,192.84*	
		For Epoxy Resin, Add	*258.44*	
		For Up To >10, Add	*2,032.55*	
		For >10 To 25, Add	*1,171.68*	
		For >25 To 50, Add	*859.64*	
		For >50 To 100, Add	*429.82*	
		For >500 To 1,000, Deduct	*-168.29*	
		For >1,000 To 2,000, Deduct	*-254.37*	
		For >2,000 To 5,000, Deduct	*-414.77*	
		For >5,000, Deduct	*-688.69*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,594.62	
		For Vinlyester Resin, Add	*2,397.31*	
		For Epoxy Resin, Add	*282.54*	
		For Up To >10, Add	*2,222.04*	
		For >10 To 25, Add	*1,280.91*	
		For >25 To 50, Add	*939.78*	
		For >50 To 100, Add	*469.89*	
		For >500 To 1,000, Deduct	*-183.98*	
		For >1,000 To 2,000, Deduct	*-278.09*	
		For >2,000 To 5,000, Deduct	*-453.44*	
		For >5,000, Deduct	*-752.90*	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,901.20	
		For Vinlyester Resin, Add	*2,601.78*	
		For Epoxy Resin, Add	*306.64*	
		For Up To >10, Add	*2,411.53*	
		For >10 To 25, Add	*1,390.13*	
		For >25 To 50, Add	*1,019.92*	
		For >50 To 100, Add	*509.96*	
		For >500 To 1,000, Deduct	*-199.67*	
		For >1,000 To 2,000, Deduct	*-301.81*	
		For >2,000 To 5,000, Deduct	*-492.11*	
		For >5,000, Deduct	*-817.11*	
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,207.79	
		For Vinlyester Resin, Add	*2,806.26*	
		For Epoxy Resin, Add	*330.74*	
		For Up To >10, Add	*2,601.02*	
		For >10 To 25, Add	*1,499.36*	
		For >25 To 50, Add	*1,100.06*	
		For >50 To 100, Add	*550.03*	
		For >500 To 1,000, Deduct	*-215.36*	
		For >1,000 To 2,000, Deduct	*-325.53*	
		For >2,000 To 5,000, Deduct	*-530.79*	
		For >5,000, Deduct	*-881.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,514.38	
		For Vinlyester Resin, Add	*3,010.73*	
		For Epoxy Resin, Add	*354.84*	
		For Up To >10, Add	*2,790.54*	
		For >10 To 25, Add	*1,608.61*	
		For >25 To 50, Add	*1,180.22*	
		For >50 To 100, Add	*590.11*	
		For >500 To 1,000, Deduct	*-231.05*	
		For >1,000 To 2,000, Deduct	*-349.25*	
		For >2,000 To 5,000, Deduct	*-569.46*	
		For >5,000, Deduct	*-945.54*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,820.96	
		For Vinlyester Resin, Add	*3,215.20*	
		For Epoxy Resin, Add	*378.93*	
		For Up To >10, Add	*2,980.03*	
		For >10 To 25, Add	*1,717.84*	
		For >25 To 50, Add	*1,260.36*	
		For >50 To 100, Add	*630.18*	
		For >500 To 1,000, Deduct	*-246.74*	
		For >1,000 To 2,000, Deduct	*-372.96*	
		For >2,000 To 5,000, Deduct	*-608.13*	
		For >5,000, Deduct	*-1,009.76*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,127.55	
		For Vinlyester Resin, Add	*3,419.67*	
		For Epoxy Resin, Add	*403.03*	
		For Up To >10, Add	*3,169.55*	
		For >10 To 25, Add	*1,827.09*	
		For >25 To 50, Add	*1,340.51*	
		For >50 To 100, Add	*670.26*	
		For >500 To 1,000, Deduct	*-262.44*	
		For >1,000 To 2,000, Deduct	*-396.68*	
		For >2,000 To 5,000, Deduct	*-646.81*	
		For >5,000, Deduct	*-1,073.97*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,434.14	
		For Vinlyester Resin, Add	*3,624.15*	
		For Epoxy Resin, Add	*427.13*	
		For Up To >10, Add	*3,359.05*	
		For >10 To 25, Add	*1,936.31*	
		For >25 To 50, Add	*1,420.66*	
		For >50 To 100, Add	*710.33*	
		For >500 To 1,000, Deduct	*-278.13*	
		For >1,000 To 2,000, Deduct	*-420.40*	
		For >2,000 To 5,000, Deduct	*-685.48*	
		For >5,000, Deduct	*-1,138.19*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,740.73	
		For Vinlyester Resin, Add	*3,828.62*	
		For Epoxy Resin, Add	*451.23*	
		For Up To >10, Add	*3,548.57*	
		For >10 To 25, Add	*2,045.56*	
		For >25 To 50, Add	*1,500.81*	
		For >50 To 100, Add	*750.41*	
		For >500 To 1,000, Deduct	*-293.82*	
		For >1,000 To 2,000, Deduct	*-444.12*	
		For >2,000 To 5,000, Deduct	*-724.15*	
		For >5,000, Deduct	*-1,202.40*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,047.31	
		For Vinlyester Resin, Add	*4,033.09*	
		For Epoxy Resin, Add	*475.33*	
		For Up To >10, Add	*3,738.06*	
		For >10 To 25, Add	*2,154.79*	
		For >25 To 50, Add	*1,580.95*	
		For >50 To 100, Add	*790.48*	
		For >500 To 1,000, Deduct	*-309.51*	
		For >1,000 To 2,000, Deduct	*-467.84*	
		For >2,000 To 5,000, Deduct	*-762.83*	
		For >5,000, Deduct	*-1,266.61*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	544.35
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	588.49
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	625.27
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	662.04
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	698.83

33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	568.28
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	652.87
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	737.46

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*			
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application		619.61	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application		670.93	
33 01 30 74-0016		Lateral T-Liner *(33 01 30 74-0001)*			
		Note: As manufactured by LMK.			
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner		777.33	
33 01 30 74-0018	EA	6" Lateral T-Liner		872.36	
33 01 30 74-0019	EA	8" Lateral T-Liner		1,014.89	
33 01 30 74-0020		Lining Lateral Pipe *(33 01 30 74-0001)*			
33 01 30 74-0021		Lining Lateral Pipe *(33 01 30 74-0020)*			
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)		40.54	
		For 7.5mm, Add		*4.56*	
		For 9 mm, Add		*9.02*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)		48.51	
		For 7.5mm, Add		*6.21*	
		For 9 mm, Add		*12.28*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)		63.44	
		For 7.5mm, Add		*9.51*	
		For 9 mm, Add		*18.81*	
33 01 30 74-0025		Lining Manhole Drop *(33 01 30 74-0020)*			
33 01 30 74-0026	EA	Manhole Drop Section Lining		861.97	
33 01 30 79		**Fold-and-Form Pipe Lining** *(33 01 30)*			
33 01 30 79-0001		Form and Fold Relining Underground Pipelines *(33 01 30 79)*			
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.			
33 01 30 79-0002		Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*			
33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines		5,414.69	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines		2,165.88	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*			
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		59.82	
		For DR 26 Pipe Liner, Add		*12.06*	
		For Up To 75, Add		*27.04*	
		For >75 To 150, Add		*13.52*	
		For >500 To 1,000, Deduct		*-0.87*	
		For >1,000 To 2,000, Deduct		*-1.74*	
		For >2,000, Deduct		*-3.48*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		78.01	
		For DR 26 Pipe Liner, Add		*16.38*	
		For DR 35 Pipe Liner, Deduct		*-8.19*	
		For Up To 75, Add		*31.85*	
		For >75 To 150, Add		*15.93*	
		For >500 To 1,000, Deduct		*-0.94*	
		For >1,000 To 2,000, Deduct		*-1.88*	
		For >2,000, Deduct		*-3.75*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		80.25	
		For DR 26 Pipe Liner, Add		*16.68*	
		For DR 35 Pipe Liner, Deduct		*-8.34*	
		For Up To 75, Add		*33.64*	
		For >75 To 150, Add		*16.82*	
		For >500 To 1,000, Deduct		*-1.01*	
		For >1,000 To 2,000, Deduct		*-2.03*	
		For >2,000, Deduct		*-4.06*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		114.85	
		For DR 26 Pipe Liner, Add		*25.02*	
		For DR 35 Pipe Liner, Deduct		*-12.51*	
		For DR 41 Pipe Liner, Deduct		*-25.02*	
		For Up To 75, Add		*42.16*	
		For >75 To 150, Add		*21.08*	
		For >500 To 1,000, Deduct		*-1.11*	
		For >1,000 To 2,000, Deduct		*-2.21*	
		For >2,000, Deduct		*-4.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	162.74	
		For DR 26 Pipe Liner, Add	*36.62*	
		For DR 35 Pipe Liner, Deduct	*-18.31*	
		For DR 41 Pipe Liner, Deduct	*-36.62*	
		For Up To 75, Add	*53.67*	
		For >75 To 150, Add	*26.84*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000, Deduct	*-4.88*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	224.70	
		For DR 35 Pipe Liner, Deduct	*-25.78*	
		For DR 41 Pipe Liner, Deduct	*-51.56*	
		For Up To 75, Add	*68.94*	
		For >75 To 150, Add	*34.47*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,000, Deduct	*-2.77*	
		For >2,000, Deduct	*-5.54*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	319.88	
		For DR 41 Pipe Liner, Deduct	*-29.91*	
		For DR 50 Pipe Liner, Deduct	*-59.81*	
		For Up To 75, Add	*91.06*	
		For >75 To 150, Add	*45.53*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.12*	
		For >2,000, Deduct	*-6.25*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	362.25	
		For DR 50 Pipe Liner, Deduct	*-50.95*	
		For DR 55 Pipe Liner, Deduct	*-84.92*	
		For Up To 75, Add	*101.78*	
		For >75 To 150, Add	*50.89*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-3.38*	
		For >2,000, Deduct	*-6.77*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	443.15	
		For DR 60 Pipe Liner, Deduct	*-62.78*	
		For Up To 75, Add	*120.62*	
		For >75 To 150, Add	*60.31*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-3.69*	
		For >2,000, Deduct	*-7.38*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	64.37	
		For Up To 75, Add	*27.95*	
		For >75 To 150, Add	*13.98*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000, Deduct	*-3.48*	
		For DR 26 Pipe Liner, Add	*13.19*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	78.01	
		For Up To 75, Add	*31.85*	
		For >75 To 150, Add	*15.93*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000 To 2,000, Deduct	*-1.88*	
		For >2,000, Deduct	*-3.75*	
		For DR 26 Pipe Liner, Add	*16.38*	
		For DR 35 Pipe Liner, Deduct	*-8.19*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	86.32	
		For Up To 75, Add	*34.85*	
		For >75 To 150, Add	*17.43*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 2,000, Deduct	*-2.03*	
		For >2,000, Deduct	*-4.06*	
		For DR 26 Pipe Liner, Add	*18.20*	
		For DR 35 Pipe Liner, Deduct	*-9.10*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	123.95	
		For Up To 75, Add	*43.98*	
		For >75 To 150, Add	*21.99*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-2.21*	
		For >2,000, Deduct	*-4.43*	
		For DR 26 Pipe Liner, Add	*27.30*	
		For DR 35 Pipe Liner, Deduct	*-13.65*	
		For DR 41 Pipe Liner, Deduct	*-27.30*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	176.39	
		For Up To 75, Add	*56.40*	
		For >75 To 150, Add	*28.20*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000, Deduct	*-4.88*	
		For DR 26 Pipe Liner, Add	*40.04*	
		For DR 35 Pipe Liner, Deduct	*-20.02*	
		For DR 41 Pipe Liner, Deduct	*-40.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	244.11	
		For Up To 75, Add	*72.82*	
		For >75 To 150, Add	*36.41*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000 To 2,000, Deduct	*-2.77*	
		For >2,000, Deduct	*-5.54*	
		For DR 35 Pipe Liner, Deduct	*-28.21*	
		For DR 41 Pipe Liner, Deduct	*-56.41*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	348.39	
		For Up To 75, Add	*96.76*	
		For >75 To 150, Add	*48.38*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.12*	
		For >2,000, Deduct	*-6.25*	
		For DR 41 Pipe Liner, Deduct	*-32.76*	
		For DR 50 Pipe Liner, Deduct	*-65.51*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	393.79	
		For Up To 75, Add	*108.09*	
		For >75 To 150, Add	*54.04*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-3.38*	
		For >2,000, Deduct	*-6.77*	
		For DR 50 Pipe Liner, Deduct	*-55.68*	
		For DR 55 Pipe Liner, Deduct	*-92.81*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	483.19	
		For Up To 75, Add	*128.63*	
		For >75 To 150, Add	*64.32*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-3.69*	
		For >2,000, Deduct	*-7.38*	
		For DR 60 Pipe Liner, Deduct	*-68.79*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	185.57
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,075.67
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	21,349.88

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	576.21
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	607.36
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	622.93
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	716.37
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	809.81
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	903.25
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,090.13

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	840.96
33 01 30 81-0017	EA	30" External Manhole Encapsulation	887.68
33 01 30 81-0018	EA	36" External Manhole Encapsulation	949.97
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,027.84
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,136.85
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,261.44
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,417.17

33 01 30 81-0023 Manhole Crack Repair *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	59.60
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	80.24
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	56.75
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	76.94

33 01 30 81-0028 Manhole Patching *(33 01 30 81-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	17.75
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	40.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0031		**Manhole Joint Restoration** *(33 01 30 81-0001)*		
		Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,418.90	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*236.70*	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,823.74	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*263.65*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,225.18	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*290.60*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,831.06	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*304.07*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,435.24	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*317.55*	
33 01 30 81-0037		**Step Installation In Existing Manholes** *(33 01 30 81-0001)*		
		Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	160.97	24.81
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	126.43	24.81
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step	133.32	24.81
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	157.27	24.81
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step	74.85	19.84
33 01 30 81-0043		**Invert Restoration** *(33 01 30 81-0001)*		
		Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0044		**Concrete Invert Restoration** *(33 01 30 81-0043)*		
33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration	350.88	
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration	397.27	
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration	443.66	
33 01 30 81-0048	EA	5' Diameter, Concrete Invert Restoration	490.05	
33 01 30 81-0049	EA	6' Diameter, Concrete Invert Restoration	629.23	
33 01 30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration	35.28	
33 01 30 81-0051		**Brick Invert Restoration** *(33 01 30 81-0043)*		
33 01 30 81-0052	EA	2' Diameter, Brick Invert Restoration	597.93	
33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration	644.32	
33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration	690.71	
33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration	737.10	
33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration	783.49	
33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration	50.05	
33 01 30 81-0058		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)*		
		Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure	828.66	
33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,243.00	
33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,657.44	
33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,071.66	
33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,485.99	
33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure	1,055.62	
33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure	1,319.53	
33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure	1,583.44	
33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure	1,847.34	
33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure	2,111.25	
33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure	2,375.15	
33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure	2,639.06	
33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure	3,166.87	
33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,694.68	
33 01 30 82		**Epoxy Lining for Concrete Manholes** *(33 01 30)*		
33 01 30 82-0001		**Epoxy Manhole Restoration, Interior** *(33 01 30 82)*		
33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	364.61	
		For 80 Mil Material, Add	*43.21*	
		For 100 Mil Material, Add	*86.42*	
		For 125 Mil Material, Add	*134.76*	
		For 150 Mil Material, Add	*183.09*	
		For 200 Mil Material, Add	*264.59*	
		For 2 To 5 Manholes, Deduct	*-25.81*	
		For 6 To 10 Manholes, Deduct	*-42.51*	
		For >10 Manholes, Deduct	*-85.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	442.28	
		For 80 Mil Material, Add	*51.70*	
		For 100 Mil Material, Add	*103.40*	
		For 125 Mil Material, Add	*161.07*	
		For 150 Mil Material, Add	*218.75*	
		For 200 Mil Material, Add	*315.57*	
		For 2 To 5 Manholes, Deduct	*-31.38*	
		For 6 To 10 Manholes, Deduct	*-51.70*	
		For >10 Manholes, Deduct	*-103.40*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	486.14	
		For 80 Mil Material, Add	*57.62*	
		For 100 Mil Material, Add	*115.23*	
		For 125 Mil Material, Add	*179.67*	
		For 150 Mil Material, Add	*244.11*	
		For 200 Mil Material, Add	*352.78*	
		For 2 To 5 Manholes, Deduct	*-34.41*	
		For 6 To 10 Manholes, Deduct	*-56.67*	
		For >10 Manholes, Deduct	*-113.35*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	607.74	
		For 80 Mil Material, Add	*72.04*	
		For 100 Mil Material, Add	*144.08*	
		For 125 Mil Material, Add	*224.66*	
		For 150 Mil Material, Add	*305.24*	
		For 200 Mil Material, Add	*441.13*	
		For 2 To 5 Manholes, Deduct	*-43.02*	
		For 6 To 10 Manholes, Deduct	*-70.85*	
		For >10 Manholes, Deduct	*-141.69*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	729.27	
		For 80 Mil Material, Add	*86.44*	
		For 100 Mil Material, Add	*172.89*	
		For 125 Mil Material, Add	*269.57*	
		For 150 Mil Material, Add	*366.26*	
		For 200 Mil Material, Add	*529.31*	
		For 2 To 5 Manholes, Deduct	*-51.62*	
		For 6 To 10 Manholes, Deduct	*-85.01*	
		For >10 Manholes, Deduct	*-170.03*	

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	150.08	
		For Each Additional 1/2" Thick Material, Add	*32.66*	
		For 2 To 5 Manholes, Deduct	*-10.70*	
		For 6 To 10 Manholes, Deduct	*-17.66*	
		For >10 Manholes, Deduct	*-35.31*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	173.96	
		For Each Additional 1/2" Thick Material, Add	*37.99*	
		For 2 To 5 Manholes, Deduct	*-12.40*	
		For 6 To 10 Manholes, Deduct	*-20.46*	
		For >10 Manholes, Deduct	*-40.92*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	197.86	
		For Each Additional 1/2" Thick Material, Add	*43.32*	
		For 2 To 5 Manholes, Deduct	*-14.10*	
		For 6 To 10 Manholes, Deduct	*-23.26*	
		For >10 Manholes, Deduct	*-46.52*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	232.34	
		For Each Additional 1/2" Thick Material, Add	*52.79*	
		For 2 To 5 Manholes, Deduct	*-16.50*	
		For 6 To 10 Manholes, Deduct	*-27.20*	
		For >10 Manholes, Deduct	*-54.39*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	252.99	
		For Each Additional 1/2" Thick Material, Add	*60.60*	
		For 2 To 5 Manholes, Deduct	*-17.87*	
		For 6 To 10 Manholes, Deduct	*-29.42*	
		For >10 Manholes, Deduct	*-58.83*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	324.63	
		For 80 Mil Material, Add	*29.89*	
		For 100 Mil Material, Add	*59.77*	
		For 125 Mil Material, Add	*91.44*	
		For 150 Mil Material, Add	*123.12*	
		For 200 Mil Material, Add	*171.30*	
		For 2 To 5 Manholes, Deduct	*-23.81*	
		For 6 To 10 Manholes, Deduct	*-39.51*	
		For >10 Manholes, Deduct	*-79.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	395.58	
		For 80 Mil Material, Add	*36.13*	
		For 100 Mil Material, Add	*72.26*	
		For 125 Mil Material, Add	*110.48*	
		For 150 Mil Material, Add	*148.70*	
		For 200 Mil Material, Add	*206.60*	
		For 2 To 5 Manholes, Deduct	*-29.04*	
		For 6 To 10 Manholes, Deduct	*-48.20*	
		For >10 Manholes, Deduct	*-96.39*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	432.84	
		For 80 Mil Material, Add	*39.85*	
		For 100 Mil Material, Add	*79.70*	
		For 125 Mil Material, Add	*121.93*	
		For 150 Mil Material, Add	*164.16*	
		For 200 Mil Material, Add	*228.41*	
		For 2 To 5 Manholes, Deduct	*-31.75*	
		For 6 To 10 Manholes, Deduct	*-52.68*	
		For >10 Manholes, Deduct	*-105.35*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	541.05	
		For 80 Mil Material, Add	*49.81*	
		For 100 Mil Material, Add	*99.62*	
		For 125 Mil Material, Add	*152.41*	
		For 150 Mil Material, Add	*205.20*	
		For 200 Mil Material, Add	*285.52*	
		For 2 To 5 Manholes, Deduct	*-39.69*	
		For 6 To 10 Manholes, Deduct	*-65.84*	
		For >10 Manholes, Deduct	*-131.69*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	649.26	
		For 80 Mil Material, Add	*59.77*	
		For 100 Mil Material, Add	*119.55*	
		For 125 Mil Material, Add	*182.90*	
		For 150 Mil Material, Add	*246.25*	
		For 200 Mil Material, Add	*342.62*	
		For 2 To 5 Manholes, Deduct	*-47.62*	
		For 6 To 10 Manholes, Deduct	*-79.01*	
		For >10 Manholes, Deduct	*-158.03*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	567.76	
		For 2 To 5 Manholes, Deduct	*-32.96*	
		For 6 To 10 Manholes, Deduct	*-51.72*	
		For >10 Manholes, Deduct	*-103.44*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	695.32	
		For 2 To 5 Manholes, Deduct	*-40.35*	
		For 6 To 10 Manholes, Deduct	*-63.32*	
		For >10 Manholes, Deduct	*-126.63*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	819.62	
		For 2 To 5 Manholes, Deduct	*-47.07*	
		For 6 To 10 Manholes, Deduct	*-73.65*	
		For >10 Manholes, Deduct	*-147.31*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,027.88	
		For 2 To 5 Manholes, Deduct	*-59.01*	
		For 6 To 10 Manholes, Deduct	*-92.32*	
		For >10 Manholes, Deduct	*-184.64*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,236.13	
		For 2 To 5 Manholes, Deduct	*-70.94*	
		For 6 To 10 Manholes, Deduct	*-110.98*	
		For >10 Manholes, Deduct	*-221.97*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	418.45	
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	471.32	
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	519.28	
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	573.66	
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	617.69	

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	493.69	
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	538.40	
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	594.76	
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	649.13	
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	701.52	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0014		>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0015	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	689.02	
33 01 30 86-0016	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	749.73	
33 01 30 86-0017	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	811.40	
33 01 30 86-0018	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	860.25	
33 01 30 86-0019	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	935.27	
33 01 30 86-0020	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,003.26	
33 01 30 86-0021	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,069.77	
33 01 30 86-0022	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,137.66	
33 01 30 86-0023		>12" Rise, Solid Manhole Risers *(33 01 30 86)*		
33 01 30 86-0024		Precast Concrete Manhole Riser *(33 01 30 86-0023)*		
33 01 30 86-0025	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	100.34	
33 01 30 86-0026	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	120.48	
33 01 30 86-0027	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	190.15	
33 01 30 86-0028	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	386.35	
33 01 30 86-0029	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	566.18	

33 01 30 89 By-Pass Piping and Pumping of Water and Sewer Utilities *(33 01 30)*

33 01 30 89-0001		Set-Up By-Pass Pumping Unit *(33 01 30 89)* Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1139 for pump rental, 01 22 23 00-1182 for suction hose, 01 22 23 00-1201 for discharge hose.		
33 01 30 89-0002	EA	Set-up By-Pass Pumping Unit	1,982.01	
33 01 30 89-0003	EA	Re-Set Up/Move By-Pass Pumping Unit	991.00	
33 01 30 89-0004		By-Pass Pumping *(33 01 30 89)* Note: Excludes pump rental. See CSI section 01 22 23 00-1139 for pump rental.		
33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit	495.50	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit	2,477.51	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit	10,405.56	
33 01 30 89-0008		Temporary Bypass And Service Lines *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009		Temporary Water Service Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	2.93	
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	3.73	
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	4.36	
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	5.24	
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	6.45	
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	317.20	
33 01 30 89-0016		Temporary Bypass Water Main Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	6.63	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.47*	
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	10.83	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 5,000, Deduct	*-1.13*	
		For >5,000, Deduct	*-1.89*	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	15.55	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 5,000, Deduct	*-1.32*	
		For >5,000, Deduct	*-2.20*	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	19.64	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-2.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0021		Piping Protection For Temporary Water Line *(33 01 30 89-0008)*		
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.53	
33 01 30 89-0023		Drill Meter Cover For Temporary Water Line *(33 01 30 89-0008)*		
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	18.40	
33 01 30 89-0025		Temporary By-Pass Plug *(33 01 30 89)*		
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	800.01	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,255.98	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,072.73	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,543.23	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,425.22	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001		Pump Out Septic Tanks *(33 01 34 13)*		
33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.71	

33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

33 01 40 00-0001		Solid Wall High Density Polyethylene (HDPE) Culvert Slip-Lining System *(33 01 40)* Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning.		
33 01 40 00-0002	LF	6.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	26.42	
		For Profile Wall (Corrugated), Deduct	*-4.16*	
33 01 40 00-0003	LF	8.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	39.58	
		For Profile Wall (Corrugated), Deduct	*-6.51*	
33 01 40 00-0004	LF	10.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	37.08	
		For Profile Wall (Corrugated), Deduct	*-5.77*	
33 01 40 00-0005	LF	12.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	48.99	
		For Profile Wall (Corrugated), Deduct	*-7.80*	
33 01 40 00-0006	LF	14" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	56.01	
		For Profile Wall (Corrugated), Deduct	*-8.74*	
33 01 40 00-0007	LF	16" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	67.55	
		For Profile Wall (Corrugated), Deduct	*-10.88*	
33 01 40 00-0008	LF	18" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	84.92	
		For Profile Wall (Corrugated), Deduct	*-13.70*	
33 01 40 00-0009	LF	20" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	104.22	
		For Profile Wall (Corrugated), Deduct	*-17.09*	
33 01 40 00-0010	LF	22" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	120.22	
		For Profile Wall (Corrugated), Deduct	*-19.82*	
33 01 40 00-0011	LF	24" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	137.59	
		For Profile Wall (Corrugated), Deduct	*-22.82*	
33 01 40 00-0012	LF	26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	157.06	
		For Profile Wall (Corrugated), Deduct	*-26.25*	
33 01 40 00-0013	LF	28" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	177.20	
		For Profile Wall (Corrugated), Deduct	*-29.81*	
33 01 40 00-0014	LF	30" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	205.28	
		For Profile Wall (Corrugated), Deduct	*-34.95*	
33 01 40 00-0015	LF	32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	234.73	
		For Profile Wall (Corrugated), Deduct	*-40.37*	
33 01 40 00-0016	LF	34" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	259.47	
		For Profile Wall (Corrugated), Deduct	*-44.85*	
33 01 40 00-0017	LF	36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	284.20	
		For Profile Wall (Corrugated), Deduct	*-49.33*	
33 01 40 00-0018	LF	39.37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	324.93	
		For Profile Wall (Corrugated), Deduct	*-57.01*	
33 01 40 00-0019	LF	42" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	365.65	
		For Profile Wall (Corrugated), Deduct	*-64.68*	
33 01 40 00-0020	LF	48" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	470.60	
		For Profile Wall (Corrugated), Deduct	*-85.20*	
33 01 40 00-0021	LF	54" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	574.18	
		For Profile Wall (Corrugated), Deduct	*-105.45*	
33 01 40 00-0022	LF	57" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	636.20	
		For Profile Wall (Corrugated), Deduct	*-117.38*	
33 01 40 00-0023	LF	60" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	697.64	
		For Profile Wall (Corrugated), Deduct	*-129.20*	
33 01 40 00-0024	LF	63" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	760.26	
		For Profile Wall (Corrugated), Deduct	*-141.25*	
33 01 40 00-0025	LF	66" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	853.62	
		For Profile Wall (Corrugated), Deduct	*-159.22*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0026	LF	72" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	906.38	
		For Profile Wall (Corrugated), Deduct	*-168.84*	
33 01 40 00-0027	LF	78" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	963.69	
		For Profile Wall (Corrugated), Deduct	*-179.12*	
33 01 40 00-0028	LF	84" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,046.00	
		For Profile Wall (Corrugated), Deduct	*-194.65*	
33 01 40 00-0029	LF	90" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,070.61	
		For Profile Wall (Corrugated), Deduct	*-198.63*	
33 01 40 00-0030	LF	96" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,085.12	
		For Profile Wall (Corrugated), Deduct	*-200.36*	
33 01 40 00-0031	LF	16.5 x 23" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	138.82	
		For Profile Wall (Corrugated), Deduct	*-23.02*	
33 01 40 00-0032	LF	17" x 26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	155.56	
		For Profile Wall (Corrugated), Deduct	*-25.49*	
33 01 40 00-0033	LF	18" x 29" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	171.59	
33 01 40 00-0034	LF	19" x 32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	198.10	
		For Profile Wall (Corrugated), Deduct	*-32.75*	
33 01 40 00-0035	LF	21" x 33.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	217.32	
		For Profile Wall (Corrugated), Deduct	*-35.97*	
33 01 40 00-0036	LF	22.5 x 36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	243.72	
		For Profile Wall (Corrugated), Deduct	*-40.63*	
33 01 40 00-0037	LF	26" x 37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	271.56	
		For Profile Wall (Corrugated), Deduct	*-45.57*	
33 01 40 00-0038	LF	30" x 41" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	325.33	
		For Profile Wall (Corrugated), Deduct	*-55.08*	
33 01 40 00-0039	LF	31" x 46" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	365.51	
33 01 40 00-0040	LF	34" x 48.5" Outside Diamter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	404.61	
		For Profile Wall (Corrugated), Deduct	*-69.68*	
33 01 40 00-0041	LF	39" x 55.5" Outside Diamter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	500.56	
		For Profile Wall (Corrugated), Deduct	*-88.25*	
33 01 40 00-0042	LF	43" x 63" Outside Diamter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	600.68	
		For Profile Wall (Corrugated), Deduct	*-107.65*	
33 01 40 00-0043	LF	48" x 75" Outside Daimeter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	768.06	
		For Profile Wall (Corrugated), Deduct	*-141.13*	
33 01 40 00-0044	LF	52" x 72.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	777.43	
		For Profile Wall (Corrugated), Deduct	*-141.13*	
33 01 40 00-0045	LF	58" x 67.5" Outside Diamter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	777.43	
		For Profile Wall (Corrugated), Deduct	*-141.13*	

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Video Camera Set-up *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct	283.62
33 01 70 51-0004	EA	>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe	319.07
33 01 70 51-0005	EA	Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct	70.90
33 01 70 51-0006	EA	>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe	106.35

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.09	
		For >1,000 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.11*	
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.69	
		For >1,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.17*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	7.63	
		For Up To >10, Add	*14.64*	
		For >10 To 25, Add	*11.65*	
		For >25 To 50, Add	*7.16*	
		For >50 To 100, Add	*3.58*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000 To 2,000, Deduct	*-0.79*	
		For >2,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	9.33	
		For Up To >10, Add	*16.87*	
		For >10 To 25, Add	*13.31*	
		For >25 To 50, Add	*8.21*	
		For >50 To 100, Add	*4.11*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.94*	
		For >2,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.84*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	11.70	
		For Up To >10, Add	*21.08*	
		For >10 To 25, Add	*16.63*	
		For >25 To 50, Add	*10.26*	
		For >50 To 100, Add	*5.13*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000 To 2,000, Deduct	*-1.18*	
		For >2,000 To 5,000, Deduct	*-2.20*	
		For >5,000, Deduct	*-3.56*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.81	
		For Up To >10, Add	*24.51*	
		For >10 To 25, Add	*19.29*	
		For >25 To 50, Add	*11.91*	
		For >50 To 100, Add	*5.96*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.39*	
		For >2,000 To 5,000, Deduct	*-2.57*	
		For >5,000, Deduct	*-4.17*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.51	
		For Up To >10, Add	*26.71*	
		For >10 To 25, Add	*20.93*	
		For >25 To 50, Add	*12.96*	
		For >50 To 100, Add	*6.48*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.54*	
		For >2,000 To 5,000, Deduct	*-2.85*	
		For >5,000, Deduct	*-4.62*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	17.49	
		For Up To >10, Add	*29.75*	
		For >10 To 25, Add	*23.27*	
		For >25 To 50, Add	*14.42*	
		For >50 To 100, Add	*7.21*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.73*	
		For >2,000 To 5,000, Deduct	*-3.19*	
		For >5,000, Deduct	*-5.18*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	20.62	
		For Up To >10, Add	*33.34*	
		For >10 To 25, Add	*25.88*	
		For >25 To 50, Add	*16.10*	
		For >50 To 100, Add	*8.05*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.01*	
		For >2,000 To 5,000, Deduct	*-3.67*	
		For >5,000, Deduct	*-5.97*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.74	
		For Up To >10, Add	*36.90*	
		For >10 To 25, Add	*28.46*	
		For >25 To 50, Add	*17.76*	
		For >50 To 100, Add	*8.88*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000 To 5,000, Deduct	*-4.15*	
		For >5,000, Deduct	*-6.75*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	9.41	
		For Up To >10, Add	*16.21*	
		For >10 To 25, Add	*12.70*	
		For >25 To 50, Add	*7.86*	
		For >50 To 100, Add	*3.93*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.94*	
		For >2,000 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-2.80*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	12.22	
		For Up To >10, Add	*20.31*	
		For >10 To 25, Add	*15.84*	
		For >25 To 50, Add	*9.83*	
		For >50 To 100, Add	*4.91*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.20*	
		For >2,000 To 5,000, Deduct	*-2.20*	
		For >5,000, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	15.05	
		For Up To >10, Add	*24.45*	
		For >10 To 25, Add	*19.00*	
		For >25 To 50, Add	*11.81*	
		For >50 To 100, Add	*5.91*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.47*	
		For >2,000 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-4.36*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.60	
		For Up To >10, Add	*27.75*	
		For >10 To 25, Add	*21.46*	
		For >25 To 50, Add	*13.37*	
		For >50 To 100, Add	*6.69*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-3.10*	
		For >5,000, Deduct	*-5.04*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	20.02	
		For Up To >10, Add	*30.66*	
		For >10 To 25, Add	*23.59*	
		For >25 To 50, Add	*14.74*	
		For >50 To 100, Add	*7.37*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.91*	
		For >2,000 To 5,000, Deduct	*-3.48*	
		For >5,000, Deduct	*-5.66*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	22.57	
		For Up To >10, Add	*33.96*	
		For >10 To 25, Add	*26.05*	
		For >25 To 50, Add	*16.31*	
		For >50 To 100, Add	*8.15*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000 To 2,000, Deduct	*-2.15*	
		For >2,000 To 5,000, Deduct	*-3.89*	
		For >5,000, Deduct	*-6.33*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	27.54	
		For Up To >10, Add	*40.17*	
		For >10 To 25, Add	*30.65*	
		For >25 To 50, Add	*19.24*	
		For >50 To 100, Add	*9.62*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 2,000, Deduct	*-2.59*	
		For >2,000 To 5,000, Deduct	*-4.68*	
		For >5,000, Deduct	*-7.62*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	32.09	
		For Up To >10, Add	*45.15*	
		For >10 To 25, Add	*34.21*	
		For >25 To 50, Add	*21.55*	
		For >50 To 100, Add	*10.78*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000 To 2,000, Deduct	*-2.99*	
		For >2,000 To 5,000, Deduct	*-5.36*	
		For >5,000, Deduct	*-8.75*	

33 05 Common Work Results for Utilities *(33)*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	28.77
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	34.73
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	47.62
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	61.52
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	106.98
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	156.06
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	187.52
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	224.01
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	387.63
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	479.91
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	591.94
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	676.30
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	848.73
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	914.51
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	994.58
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,042.71
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,530.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,085.35	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,664.21	
33 05 07 13-0021		Horizontal Directional Boring *(33 05 07 13)* Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.		
33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.85	
		For Horizontal Boring Through Rock, Add	*10.40*	
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	22.28	
		For Horizontal Boring Through Rock, Add	*15.60*	
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	30.93	
		For Horizontal Boring Through Rock, Add	*21.65*	
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	38.36	
		For Horizontal Boring Through Rock, Add	*26.85*	
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	45.78	
		For Horizontal Boring Through Rock, Add	*32.05*	
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	53.21	
		For Horizontal Boring Through Rock, Add	*37.25*	
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	61.88	
		For Horizontal Boring Through Rock, Add	*43.32*	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	75.51	
		For Horizontal Boring Through Rock, Add	*52.86*	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	81.81	
		For Horizontal Boring Through Rock, Add	*57.27*	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	88.10	
		For Horizontal Boring Through Rock, Add	*61.67*	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	182.49	
		For Horizontal Boring Through Rock, Add	*127.74*	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	283.52	
		For Horizontal Boring Through Rock, Add	*198.46*	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	432.19	
		For Horizontal Boring Through Rock, Add	*302.53*	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	691.51	
		For Horizontal Boring Through Rock, Add	*484.06*	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,959.77	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,530.67	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,085.35	
33 05 07 23		**Utility Boring and Jacking** *(33 05 07)*		
33 05 07 23-0001		Horizontal Jacking *(33 05 07 23)* Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.		
33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	95.56	
		For Horizontal Jacking Through Rock, Add	*32.57*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	114.09	
		For Horizontal Jacking Through Rock, Add	*39.31*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	152.79	
		For Horizontal Jacking Through Rock, Add	*53.91*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	197.53	
		For Horizontal Jacking Through Rock, Add	*69.64*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	265.62	
		For Horizontal Jacking Through Rock, Add	*95.46*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	390.60	
		For Horizontal Jacking Through Rock, Add	*139.27*	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	470.82	
		For Horizontal Jacking Through Rock, Add	*167.34*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	561.94	
		For Horizontal Jacking Through Rock, Add	*199.93*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	812.22	
		For Horizontal Jacking Through Rock, Add	*347.05*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	1,670.62	
		For Horizontal Jacking Through Rock, Add	*389.47*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,890.40	
		For Horizontal Jacking Through Rock, Add	*480.92*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	2,122.64	
		For Horizontal Jacking Through Rock, Add	*549.89*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	2,274.53	
		For Horizontal Jacking Through Rock, Add	*593.82*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	2,473.95	
		For Horizontal Jacking Through Rock, Add	*639.82*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	2,621.12	
		For Horizontal Jacking Through Rock, Add	*696.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,959.77	
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,530.67	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,085.35	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,664.21	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	40.76	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	43.02	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	46.71	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	50.45	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	65.00	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	74.09	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	83.14	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.67	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.43	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.21	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.92	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.68	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.57	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.50	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	16.76	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.78	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	20.79	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	27.83	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	38.88	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*

See CSI section 33 14 13 13-0587 for mechanical restraints, 33 14 13 13-0622 for flanged restraints, 33 14 13 13-1194 for slip-on restraints, 33 14 13 13-1210 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*

See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*

See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*

See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*

See CSI section 33 42 11 00-0500 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*

See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*

See CSI section 33 42 11 00-0844 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*

See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*

See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*

See CSI section 33 42 11 00-0241 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*

See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 42 11 00-0263 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*

Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.80		
		For Up To 250, Add		*0.12*	
		For >250 To 500, Add		*0.08*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.26		
		For Up To 250, Add		*0.15*	
		For >250 To 500, Add		*0.10*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.61		
		For Up To 250, Add		*0.17*	
		For >250 To 500, Add		*0.11*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	5.07		
		For Up To 250, Add		*0.20*	
		For >250 To 500, Add		*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	6.86		
		For Up To 250, Add		*0.43*	
		For >250 To 500, Add		*0.28*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	8.67		
		For Up To 250, Add		*0.65*	
		For >250 To 500, Add		*0.43*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.89		
		For Up To 250, Add		*0.14*	
		For >250 To 500, Add		*0.09*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.42		
		For Up To 250, Add		*0.17*	
		For >250 To 500, Add		*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.74		
		For Up To 250, Add		*0.19*	
		For >250 To 500, Add		*0.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	5.40	
		For Up To 250, Add	*0.25*	
		For >250 To 500, Add	*0.17*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	7.58	
		For Up To 250, Add	*0.53*	
		For >250 To 500, Add	*0.36*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	9.58	
		For Up To 250, Add	*0.79*	
		For >250 To 500, Add	*0.52*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0367 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,741.51	317.08
		For Bitumastic Coating, Add	*79.63*	
		For Epoxy Coating, Add	*152.16*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,374.45	455.45
		For Bitumastic Coating, Add	*119.44*	
		For Epoxy Coating, Add	*228.24*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,203.43	691.83
		For Bitumastic Coating, Add	*159.25*	
		For Epoxy Coating, Add	*304.32*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	339.54	80.72
		For Bitumastic Coating, Add	*19.91*	
		For Epoxy Coating, Add	*38.04*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	365.67	80.72
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	583.11	80.72
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	466.34	80.72
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	665.22	80.72

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,648.10	363.21
		For Bitumastic Coating, Add	*79.63*	
		For Epoxy Coating, Add	*152.16*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,532.87	495.81
		For Bitumastic Coating, Add	*119.44*	
		For Epoxy Coating, Add	*228.24*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,649.19	749.48
		For Bitumastic Coating, Add	*159.25*	
		For Epoxy Coating, Add	*304.32*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	495.70	95.13
		For Bitumastic Coating, Add	*19.91*	
		For Epoxy Coating, Add	*38.04*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	540.94	95.13
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	917.33	95.13
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	715.20	95.13
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,059.50	95.13

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,018.69	403.57
		For Bitumastic Coating, Add	*102.59*	
		For Epoxy Coating, Add	*245.30*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,681.67	553.46
		For Bitumastic Coating, Add	*153.89*	
		For Epoxy Coating, Add	*367.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,601.30	830.19
		For Bitumastic Coating, Add	*205.19*	
		For Epoxy Coating, Add	*490.60*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	890.95	103.78
		For Bitumastic Coating, Add	*25.65*	
		For Epoxy Coating, Add	*61.32*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	6,748.90	449.68
		For Bitumastic Coating, Add	*117.46*	
		For Epoxy Coating, Add	*287.18*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	8,785.57	611.11
		For Bitumastic Coating, Add	*176.18*	
		For Epoxy Coating, Add	*430.77*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	11,109.62	922.43
		For Bitumastic Coating, Add	*234.91*	
		For Epoxy Coating, Add	*574.36*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,083.95	115.30
		For Bitumastic Coating, Add	*29.36*	
		For Epoxy Coating, Add	*71.80*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	10,674.03	495.81
		For Bitumastic Coating, Add	*249.77*	
		For Epoxy Coating, Add	*501.83*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	13,797.44	676.26
		For Bitumastic Coating, Add	*374.66*	
		For Epoxy Coating, Add	*752.74*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	17,236.77	1,014.68
		For Bitumastic Coating, Add	*499.55*	
		For Epoxy Coating, Add	*1,003.65*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,634.92	126.83
		For Bitumastic Coating, Add	*62.44*	
		For Epoxy Coating, Add	*125.46*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	15,471.11	570.76
		For Bitumastic Coating, Add	*295.29*	
		For Epoxy Coating, Add	*611.68*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	20,054.35	778.30
		For Bitumastic Coating, Add	*442.93*	
		For Epoxy Coating, Add	*917.52*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	25,000.78	1,167.46
		For Bitumastic Coating, Add	*590.57*	
		For Epoxy Coating, Add	*1,223.37*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,372.33	144.13
		For Bitumastic Coating, Add	*73.82*	
		For Epoxy Coating, Add	*152.92*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*

Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,642.26
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,747.72
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,832.65
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,044.07
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,067.37
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,385.84
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,705.48
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,577.75
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,577.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,837.36	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,919.68	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,452.37	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,940.77	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,815.77	
33 05 63 00-0018		**7' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,599.96	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,674.37	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,403.26	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,520.28	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,824.13	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,941.10	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,028.42	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,474.56	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,677.93	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,182.15	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,653.50	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,277.50	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,163.92	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,159.40	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,407.67	
33 05 63 00-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,376.10	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,665.32	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,207.90	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,603.03	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,167.56	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,669.81	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,172.07	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,778.07	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,527.00	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,386.21	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,102.63	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,385.82	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,504.24	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,630.43	
33 05 63 00-0049		**10' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,717.67	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,311.18	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,852.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,267.76	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,953.74	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,591.11	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	4,868.88	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,112.26	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	7,572.56	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	10,464.78	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,445.03	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	7,572.56	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	9,756.02	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	12,170.99	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	17,306.39	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	424.38	26.24
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	353.77	58.29
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	540.67	87.43
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	633.51	87.43
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	602.84	87.43
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	736.73	87.43
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	716.52	87.43
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	987.64	87.43
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,405.49	116.58
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,988.96	116.58
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,256.66	160.29
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,439.38	160.29
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,389.91	160.29
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,340.65	174.87
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,939.17	174.87
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,428.61	174.87
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,586.25	174.87
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,924.01	264.83
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,824.82	264.83
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	545.66	26.24
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	685.12	87.43
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	834.55	87.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	767.67	87.43
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	882.10	87.43
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	912.11	87.43
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,184.92	87.43
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,563.82	160.29
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,746.54	160.29
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,697.10	160.29
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,282.95	264.83
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,190.60	264.83
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	701.74	26.24
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	591.96	26.24
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	459.66	87.43
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	524.44	87.43
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	158.36	26.24
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	250.16	26.24
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	409.48	26.24
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	428.76	26.24
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.05	58.29
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.62	58.29
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	246.21	26.24
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	282.34	26.24
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	373.55	58.29
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.27	58.29
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	391.09	58.29
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	462.68	87.43
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.45	87.43
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	547.72	87.43
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	602.34	87.43
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	711.27	87.43
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	777.35	87.43
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	849.66	87.43
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	895.12	87.43
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,062.75	116.58
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,058.72	160.29
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,375.39	160.29
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,667.79	160.29
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,852.45	160.29
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,036.13	160.29
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,275.44	264.83
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,628.10	264.83
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,862.63	264.83
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,311.10	264.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,306.49	264.83
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,473.90	264.83
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,795.85	264.83
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,555.70	283.74
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,783.01	283.74
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,073.21	283.74
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,189.33	283.74
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,229.69	283.74
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,671.87	283.74
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,813.13	283.74
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,744.85	283.74
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,221.74	302.65
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,235.48	302.65
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,746.26	302.65
33 05 63 00-0154		Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	627.83	87.43
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	723.91	87.43
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	273.53	26.24
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	398.98	26.24
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	537.66	26.24
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	556.97	26.24
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	473.32	58.29
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	493.90	58.29
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	521.42	58.29
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	371.79	26.24
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	440.85	26.24
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	520.75	58.29
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	570.47	58.29
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	539.86	58.29
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	626.90	87.43
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	676.28	87.43
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	743.69	87.43
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	797.96	87.43
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	906.58	87.43
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	972.94	87.43
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,044.93	87.43
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,090.71	87.43
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,332.94	116.58
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,365.91	160.29
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,682.20	160.29
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,974.29	160.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,158.66	160.29
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,342.94	160.29
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,983.65	264.83
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,218.53	264.83
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,666.65	264.83
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	574.13	87.43
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	672.89	87.43
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	200.11	26.24
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	334.53	26.24
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	484.02	26.24
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.68	26.24
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.00	58.29
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	495.23	58.29
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	291.73	26.24
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	466.13	58.29
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	537.42	58.29
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	484.65	58.29
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	619.33	87.43
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	716.81	87.43
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	749.23	87.43
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	826.41	87.43
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	897.41	87.43
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	964.45	87.43
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,084.48	87.43
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,101.21	87.43
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,353.88	116.58
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,393.05	160.29
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,742.36	160.29
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,087.83	160.29
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,317.28	160.29
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,546.74	160.29
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,702.95	264.83
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,055.64	264.83
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,308.46	264.83
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,756.62	264.83
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,954.30	264.83
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,016.20	264.83
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,616.72	264.83
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,341.55	283.74
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,459.00	283.74
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,792.17	283.74
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,044.33	283.74
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,707.27	283.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,609.10	283.74
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,988.05	283.74
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,392.69	283.74
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,334.76	302.65
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,348.90	302.65
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,599.46	302.65
33 05 63 00-0231		Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	742.27	87.43
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	872.74	87.43
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	314.35	26.24
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	483.06	26.24
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	611.94	26.24
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	631.86	26.24
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	585.20	58.29
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	642.09	58.29
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	454.97	26.24
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	612.66	58.29
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	683.96	58.29
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	591.41	58.29
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	784.22	87.43
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	881.70	87.43
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	944.82	87.43
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,022.03	87.43
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,093.01	87.43
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,160.07	87.43
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,280.13	87.43
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,296.80	87.43
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,623.72	116.58
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,700.21	160.29
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,049.21	160.29
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,394.29	160.29
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,623.92	160.29
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,853.55	160.29
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,411.51	264.83
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,664.68	264.83
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,112.52	264.83
33 05 63 00-0261		Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	615.13	87.43
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	415.73	58.29
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	470.71	58.29
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	543.78	87.43
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	433.74	58.29
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	486.39	58.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	441.43	87.43
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	498.72	87.43
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	566.90	116.58
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	623.15	116.58
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	730.71	160.29
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,294.44	264.83
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,232.94	264.83
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,246.36	264.83
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,706.06	283.74
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,757.76	302.65
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,651.06	302.65
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	742.04	87.43
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	777.03	87.43
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	823.32	116.58
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	880.18	116.58
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,011.95	160.29
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,630.39	264.83
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	570.94	87.43
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	639.98	87.43
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	829.76	160.29
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,640.22	283.74
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	163.95	11.67
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	166.15	11.67
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	153.54	11.67
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	166.58	11.67
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	168.26	11.66
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	193.94	11.66
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	225.72	11.66
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,502.99	34.05
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,313.52	34.05
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,973.47	34.05
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,995.97	34.05
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,263.00	34.05
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,466.98	34.05
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,972.91	34.05
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	139.52	11.66
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	202.58	11.66
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	205.51	11.66
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	260.17	11.66
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	194.76	11.66
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	308.90	11.66
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	241.20	11.66
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	501.51	11.66
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	435.58	17.49
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	548.24	17.49
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	707.77	20.40
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	995.02	26.48
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,032.72	50.44
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	263.44	11.66
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	378.26	11.66
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	431.26	11.66
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	721.20	11.66
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	590.46	17.49

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,002.78	20.40
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,314.59	26.48
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,774.63	34.05
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,576.11	34.05
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,207.39	34.05
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,878.77	34.05
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,756.30	34.05
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,191.56	34.05
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	6,482.36	34.05
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	348.51	11.66
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	381.68	11.66
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	504.53	11.66
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	575.82	11.66
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	999.80	11.66
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	721.74	17.49
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	990.17	17.49
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,538.79	20.40
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,759.44	26.48
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,829.21	50.44
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,116.41	34.05
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,960.45	34.05
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,147.63	34.05
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,699.59	34.05
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	6,140.61	34.05
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	9,486.06	34.05
33 05 63 00-0349		**Polymer Concrete Handhole Enclosure Covers With Gaskets** *(33 05 63 00-0290)*		
33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	189.20	11.67
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	200.30	11.67
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	203.92	11.66
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	205.28	11.66
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	237.84	11.66
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	149.76	11.66
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	213.08	11.66
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	215.11	11.66
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	270.98	11.66
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	206.53	11.66
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	253.64	11.66
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	320.36	11.66
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	443.26	17.49
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	560.05	17.49
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,044.84	50.44
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	123.73	11.67
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	196.82	11.67
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	219.61	11.67
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	209.49	11.67
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	171.53	11.66
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	273.91	11.66
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	297.57	11.66
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	389.39	11.66
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	443.35	11.66
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	601.27	17.49
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	753.00	17.49
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,380.10	50.44
33 05 63 00-0377		**Polymer Concrete Handhole Enclosure Covers Without Bolts** *(33 05 63 00-0290)*		
33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	98.59	11.67
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	118.25	11.67
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	144.72	11.67
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	156.49	11.67
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	156.16	11.66
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	186.32	11.66
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	215.95	11.66
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	528.94	17.49
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	988.59	50.44
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,486.43	34.05
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,294.81	34.05
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,942.71	34.05
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,874.20	34.05
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,245.14	34.05
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,400.99	34.05
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,846.09	34.05
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	133.93	11.66
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.65	11.66
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	195.51	11.66
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	215.37	11.66
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	244.48	11.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	184.61	11.66
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	206.53	11.66
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	295.16	11.66
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	426.67	17.49
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	535.05	17.49
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	528.62	17.49
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	954.78	26.48
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	988.59	30.26
33 05 63 00-0407		Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*		
33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,548.16	34.05
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,247.43	34.05
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,298.30	50.44
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,725.18	50.44
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,841.78	34.05
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,514.79	34.05
33 05 63 00-0414		Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*		
33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	601.48	17.49
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,120.97	26.48
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,171.11	50.44
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	93.11	11.67
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	157.54	11.67
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	173.83	11.67
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	184.62	11.67
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	161.38	11.66
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	287.97	11.66
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	808.44	17.49
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,494.21	26.48
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,564.93	50.44
33 05 63 00-0427		Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*		
		Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	1,005.72	247.84
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,716.26	371.76
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*108.69*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,054.84	495.68
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*190.74*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,145.60	495.68
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*241.18*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,501.52	619.60
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*290.55*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,652.00	619.60
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*319.00*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,047.82	743.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*372.83*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	3,491.84	867.44
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*520.00*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	3,495.32	743.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*562.15*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	3,533.80	743.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*391.95*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	759.27	247.84
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	902.28	278.82
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	1,126.35	309.80
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Round Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	101.73	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	67.19	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	98.02	

33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*
Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	2,623.06	99.16
		For Ductile Iron Castings, Add	*1,626.29*	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,427.50	99.16
		For Ductile Iron Castings, Add	*789.40*	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	1,649.80	115.30
		For Ductile Iron Castings, Add	*912.71*	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	2,649.83	127.99
		For Ductile Iron Castings, Add	*1,585.84*	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	2,213.99	138.37
		For Ductile Iron Castings, Add	*1,258.07*	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	2,310.65	144.13
		For Ductile Iron Castings, Add	*1,314.79*	

33 05 81 00-0014 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,891.35	81.87
		For Ductile Iron Castings, Add	*1,795.84*	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,926.59	81.87
		For Ductile Iron Castings, Add	*1,801.72*	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,975.21	95.70
		For Ductile Iron Castings, Add	*1,813.60*	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,558.58	107.24
		For Ductile Iron Castings, Add	*2,199.28*	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,141.37	109.54
		For Ductile Iron Castings, Add	*2,596.29*	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,365.33	111.85
		For Ductile Iron Castings, Add	*2,749.10*	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,565.71	115.30
		For Ductile Iron Castings, Add	*2,885.25*	

33 05 81 00-0022 Aluminum Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,233.32	30.34
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,273.43	33.59
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	3,269.02	39.01

33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	462.30	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	51.04	

33 05 83 00-0004 Rainguard Inflow Protectors *(33 05 83)*

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	147.17	24.81
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	170.68	24.81
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	204.06	29.76
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	218.91	29.76
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	271.85	34.73
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	290.09	34.73

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	639.04	86.47
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	895.64	93.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,213.75	100.32
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,454.23	107.24
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,217.58	115.30
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	2,962.70	123.95
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,015.66	132.60
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,119.47	142.69
33 05 84 00-0012		**Precast Concrete Manhole Cone Tops** *(33 05 84 00-0002)*		
33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,018.65	108.10
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,133.64	112.42
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,248.67	116.74
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,472.90	123.95
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,702.92	132.60
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,703.37	141.25
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,396.74	155.66
33 05 84 00-0020		**Precast Concrete Manhole Reducer Slabs** *(33 05 84 00-0002)*		
33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,326.88	100.32
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,709.04	107.24
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,256.88	107.24
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,573.20	107.24
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,597.26	107.24
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,659.42	107.24
33 05 84 00-0027		**Pipe To Manhole Connector** *(33 05 84 00-0001)*		
33 05 84 00-0028		**Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors** *(33 05 84 00-0027)*		
33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	119.42	
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	189.99	
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	213.48	
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	344.99	
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	491.21	
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	641.72	
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,207.71	
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,689.68	
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,726.87	
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	3,192.03	
33 05 84 00-0039		**Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout** *(33 05 84 00-0027)* Note: Fernco CMA.		
33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	118.33	
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	164.29	
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	207.57	
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	250.65	
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	290.78	
33 05 84 00-0045		**Brick And Grout Pipe To Manhole Connector** *(33 05 84 00-0027)*		
33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout	260.28	
33 05 84 00-0047		**Inverts For Manholes** *(33 05 84 00-0001)*		
33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes	402.81	
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes	584.62	
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes	786.10	
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes	987.52	
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes	620.25	
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes	928.50	
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes	1,242.04	
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes	1,552.09	
33 05 84 00-0056		**Protective Coating For New Manholes** *(33 05 84 00-0001)*		
33 05 84 00-0057		**Polyurethane Protective Coating For New Manholes** *(33 05 84 00-0056)*		
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	213.01	
		For 80 Mil Material, Add	*31.84*	
		For 100 Mil Material, Add	*63.68*	
		For 125 Mil Material, Add	*100.65*	
		For 150 Mil Material, Add	*137.61*	
		For 200 Mil Material, Add	*203.95*	
		For 2 To 5 Manholes, Deduct	*-14.44*	
		For 6 To 10 Manholes, Deduct	*-23.56*	
		For >10 Manholes, Deduct	*-47.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	257.00	
		For 80 Mil Material, Add	*37.80*	
		For 100 Mil Material, Add	*75.60*	
		For 125 Mil Material, Add	*119.38*	
		For 150 Mil Material, Add	*163.16*	
		For 200 Mil Material, Add	*241.46*	
		For 2 To 5 Manholes, Deduct	*-17.48*	
		For 6 To 10 Manholes, Deduct	*-28.54*	
		For >10 Manholes, Deduct	*-57.08*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	284.01	
		For 80 Mil Material, Add	*42.46*	
		For 100 Mil Material, Add	*84.91*	
		For 125 Mil Material, Add	*134.19*	
		For 150 Mil Material, Add	*183.47*	
		For 200 Mil Material, Add	*271.92*	
		For 2 To 5 Manholes, Deduct	*-19.25*	
		For 6 To 10 Manholes, Deduct	*-31.41*	
		For >10 Manholes, Deduct	*-62.81*	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	355.09	
		For 80 Mil Material, Add	*53.09*	
		For 100 Mil Material, Add	*106.18*	
		For 125 Mil Material, Add	*167.81*	
		For 150 Mil Material, Add	*229.44*	
		For 200 Mil Material, Add	*340.07*	
		For 2 To 5 Manholes, Deduct	*-24.07*	
		For 6 To 10 Manholes, Deduct	*-39.26*	
		For >10 Manholes, Deduct	*-78.53*	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	412.61	
		For 80 Mil Material, Add	*62.69*	
		For 100 Mil Material, Add	*125.39*	
		For 125 Mil Material, Add	*198.33*	
		For 150 Mil Material, Add	*271.26*	
		For 200 Mil Material, Add	*402.65*	
		For 2 To 5 Manholes, Deduct	*-27.87*	
		For 6 To 10 Manholes, Deduct	*-45.43*	
		For >10 Manholes, Deduct	*-90.86*	
33 05 84 00-0063		Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*		
		Note: For new manholes and shop applied.		
33 05 84 00-0064	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	288.76	
33 05 84 00-0065	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	353.97	
33 05 84 00-0066	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	431.97	
33 05 84 00-0067	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	542.48	
33 05 84 00-0068	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	652.98	
33 05 84 00-0069	SF	Polyvinyl Chloride (PVC) Liner At Structures	79.82	
33 05 84 00-0070		Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*		
33 05 84 00-0071		18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0072	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	97.61	
33 05 84 00-0073	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	106.75	
33 05 84 00-0074	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	115.90	
33 05 84 00-0075	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	125.04	
33 05 84 00-0076		24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0077	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	109.61	
33 05 84 00-0078	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	120.01	
33 05 84 00-0079	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	130.40	
33 05 84 00-0080	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	140.79	
33 05 84 00-0081		30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0082	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	121.36	
33 05 84 00-0083	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.95	
33 05 84 00-0084	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	144.54	
33 05 84 00-0085	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	156.13	
33 05 84 00-0086		Bentonite Collar *(33 05 84 00-0001)*		
33 05 84 00-0087		Bentonite Collar At Manhole Connections *(33 05 84 00-0086)*		
33 05 84 00-0088	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	147.96	
33 05 84 00-0089	EA	>12" To 21", Bentonite Collar At Manhole Connection	234.30	
33 05 84 00-0090	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	370.33	
33 05 84 00-0091	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	864.54	
33 05 84 00-0092	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,355.90	
33 05 84 00-0093	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,464.46	
33 05 84 00-0094		Waste Water Collection System Taps *(33 05 84)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0095 Brick Manhole Taps *(33 05 84 00-0094)*

33 05 84 00-0096	EA	4" Tap In 6" Brick Manhole		583.00	
33 05 84 00-0097	EA	6" Tap In 6" Brick Manhole		651.79	
33 05 84 00-0098	EA	8" Tap In 6" Brick Manhole		719.35	
33 05 84 00-0099	EA	10" Tap In 6" Brick Manhole		786.76	
33 05 84 00-0100	EA	12" Tap In 6" Brick Manhole		867.27	
33 05 84 00-0101	EA	15" Tap In 6" Brick Manhole		934.55	

33 05 84 00-0102 Precast Concrete Manhole Tap *(33 05 84 00-0094)*

33 05 84 00-0103	EA	4" Tap In Existing Precast Concrete Manhole		858.67	
33 05 84 00-0104	EA	6" Tap In Existing Precast Concrete Manhole		961.85	
33 05 84 00-0105	EA	8" Tap In Existing Precast Concrete Manhole		1,075.67	
33 05 84 00-0106	EA	10" Tap In Existing Precast Concrete Manhole		1,176.81	
33 05 84 00-0107	EA	12" Tap In Existing Precast Concrete Manhole		1,277.73	
33 05 84 00-0108	EA	15" Tap In Existing Precast Concrete Manhole		1,381.11	
33 05 84 00-0109	EA	18" Tap In Existing Precast Concrete Manhole		1,590.05	
33 05 84 00-0110	EA	24" Tap In Existing Precast Concrete Manhole		2,044.23	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 16 Markers for Utility Identification *(33 05 97)*

33 05 97 16-0001 Reflective Sheeting Delineators *(33 05 97 16)*

33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square		52.87	
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square		56.63	
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square		64.13	
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square		67.89	
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square		71.64	
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square		61.32	
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		53.81	
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		57.57	
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		57.57	
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		61.32	
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		65.07	
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		68.83	
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		102.61	
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		67.89	
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		107.30	
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		102.61	
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		106.36	
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		107.30	
33 05 97 16-0020	EA	Relocate Delineator		66.61	

33 05 97 16-0021 Reference Markers *(33 05 97 16)*

33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height		102.30	
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height		127.19	
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted		119.93	
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only		106.81	
33 05 97 16-0026	EA	Relocate Reference Marker		66.61	

33 05 97 16-0027 Object Markers *(33 05 97 16)*

33 05 97 16-0028	EA	Object Marker, Type L-1		98.30	
33 05 97 16-0029	EA	Object Marker, Type L-2		90.78	
33 05 97 16-0030	EA	Object Marker, Type K-1		104.32	
33 05 97 16-0031	EA	Object Marker, Type K-2		96.79	
33 05 97 16-0032	EA	Object Marker, Type Q		66.70	

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape		8.50	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape		11.86	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape		8.59	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape		11.66	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	18.52	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*
Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,078.85	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,329.53	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,994.30	

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*
Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	25.76	
		For >100 To 250, Add	*0.64*	
		For >250 To 400, Add	*1.29*	
		For >400 To 600, Add	*1.93*	
		For >600 To 750, Add	*2.58*	
		For >750, Add	*3.22*	
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	30.58	
		For >100 To 250, Add	*0.76*	
		For >250 To 400, Add	*1.53*	
		For >400 To 600, Add	*2.29*	
		For >600 To 750, Add	*3.06*	
		For >750, Add	*3.82*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	40.88	
		For >100 To 250, Add	*1.02*	
		For >250 To 400, Add	*2.04*	
		For >400 To 600, Add	*3.07*	
		For >600 To 750, Add	*4.09*	
		For >750, Add	*5.11*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	63.98	
		For >100 To 250, Add	*1.60*	
		For >250 To 400, Add	*3.20*	
		For >400 To 600, Add	*4.80*	
		For >600 To 750, Add	*6.40*	
		For >750, Add	*8.00*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	92.07	
		For >100 To 250, Add	*2.30*	
		For >250 To 400, Add	*4.60*	
		For >400 To 600, Add	*6.91*	
		For >600 To 750, Add	*9.21*	
		For >750, Add	*11.51*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	120.32	
		For >100 To 250, Add	*3.01*	
		For >250 To 400, Add	*6.02*	
		For >400 To 600, Add	*9.02*	
		For >600 To 750, Add	*12.03*	
		For >750, Add	*15.04*	
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	142.93	
		For >100 To 250, Add	*3.57*	
		For >250 To 400, Add	*7.15*	
		For >400 To 600, Add	*10.72*	
		For >600 To 750, Add	*14.29*	
		For >750, Add	*17.87*	
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	166.19	
		For >100 To 250, Add	*4.15*	
		For >250 To 400, Add	*8.31*	
		For >400 To 600, Add	*12.46*	
		For >600 To 750, Add	*16.62*	
		For >750, Add	*20.77*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	195.28	
		For >100 To 250, Add	*4.88*	
		For >250 To 400, Add	*9.76*	
		For >400 To 600, Add	*14.65*	
		For >600 To 750, Add	*19.53*	
		For >750, Add	*24.41*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	230.17	
		For >100 To 250, Add	*5.75*	
		For >250 To 400, Add	*11.51*	
		For >400 To 600, Add	*17.26*	
		For >600 To 750, Add	*23.02*	
		For >750, Add	*28.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	248.79	
		For >100 To 250, Add	*6.22*	
		For >250 To 400, Add	*12.44*	
		For >400 To 600, Add	*18.66*	
		For >600 To 750, Add	*24.88*	
		For >750, Add	*31.10*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	273.72	
		For >100 To 250, Add	*6.84*	
		For >250 To 400, Add	*13.69*	
		For >400 To 600, Add	*20.53*	
		For >600 To 750, Add	*27.37*	
		For >750, Add	*34.22*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	299.81	
		For >100 To 250, Add	*7.50*	
		For >250 To 400, Add	*14.99*	
		For >400 To 600, Add	*22.49*	
		For >600 To 750, Add	*29.98*	
		For >750, Add	*37.48*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	372.94	
		For >100 To 250, Add	*9.32*	
		For >250 To 400, Add	*18.65*	
		For >400 To 600, Add	*27.97*	
		For >600 To 750, Add	*37.29*	
		For >750, Add	*46.62*	
33 11 13 00-0022		**Drill Hole In Sedimentary Rock** *(33 11 13 00-0002)*		
33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	52.51	
		For >100 To 250, Add	*1.31*	
		For >250 To 400, Add	*2.63*	
		For >400 To 600, Add	*3.94*	
		For >600 To 750, Add	*5.25*	
		For >750, Add	*6.56*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	61.16	
		For >100 To 250, Add	*1.53*	
		For >250 To 400, Add	*3.06*	
		For >400 To 600, Add	*4.59*	
		For >600 To 750, Add	*6.12*	
		For >750, Add	*7.65*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	97.92	
		For >100 To 250, Add	*2.45*	
		For >250 To 400, Add	*4.90*	
		For >400 To 600, Add	*7.34*	
		For >600 To 750, Add	*9.79*	
		For >750, Add	*12.24*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	128.04	
		For >100 To 250, Add	*3.20*	
		For >250 To 400, Add	*6.40*	
		For >400 To 600, Add	*9.60*	
		For >600 To 750, Add	*12.80*	
		For >750, Add	*16.01*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	184.27	
		For >100 To 250, Add	*4.61*	
		For >250 To 400, Add	*9.21*	
		For >400 To 600, Add	*13.82*	
		For >600 To 750, Add	*18.43*	
		For >750, Add	*23.03*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	240.52	
		For >100 To 250, Add	*6.01*	
		For >250 To 400, Add	*12.03*	
		For >400 To 600, Add	*18.04*	
		For >600 To 750, Add	*24.05*	
		For >750, Add	*30.07*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	285.98	
		For >100 To 250, Add	*7.15*	
		For >250 To 400, Add	*14.30*	
		For >400 To 600, Add	*21.45*	
		For >600 To 750, Add	*28.60*	
		For >750, Add	*35.75*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	331.85	
		For >100 To 250, Add	*8.30*	
		For >250 To 400, Add	*16.59*	
		For >400 To 600, Add	*24.89*	
		For >600 To 750, Add	*33.19*	
		For >750, Add	*41.48*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	390.88	
		For >100 To 250, Add	*9.77*	
		For >250 To 400, Add	*19.54*	
		For >400 To 600, Add	*29.32*	
		For >600 To 750, Add	*39.09*	
		For >750, Add	*48.86*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	451.51	
		For >100 To 250, Add	*11.29*	
		For >250 To 400, Add	*22.58*	
		For >400 To 600, Add	*33.86*	
		For >600 To 750, Add	*45.15*	
		For >750, Add	*56.44*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	497.58	
		For >100 To 250, Add	*12.44*	
		For >250 To 400, Add	*24.88*	
		For >400 To 600, Add	*37.32*	
		For >600 To 750, Add	*49.76*	
		For >750, Add	*62.20*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	547.43	
		For >100 To 250, Add	*13.69*	
		For >250 To 400, Add	*27.37*	
		For >400 To 600, Add	*41.06*	
		For >600 To 750, Add	*54.74*	
		For >750, Add	*68.43*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	599.62	
		For >100 To 250, Add	*14.99*	
		For >250 To 400, Add	*29.98*	
		For >400 To 600, Add	*44.97*	
		For >600 To 750, Add	*59.96*	
		For >750, Add	*74.95*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	745.87	
		For >100 To 250, Add	*18.65*	
		For >250 To 400, Add	*37.29*	
		For >400 To 600, Add	*55.94*	
		For >600 To 750, Add	*74.59*	
		For >750, Add	*93.23*	
33 11 13 00-0037		Drill Hole In Crystalline Rock *(33 11 13 00-0002)*		
33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	108.02	
		For >100 To 250, Add	*2.70*	
		For >250 To 400, Add	*5.40*	
		For >400 To 600, Add	*8.10*	
		For >600 To 750, Add	*10.80*	
		For >750, Add	*13.50*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	124.64	
		For >100 To 250, Add	*3.12*	
		For >250 To 400, Add	*6.23*	
		For >400 To 600, Add	*9.35*	
		For >600 To 750, Add	*12.46*	
		For >750, Add	*15.58*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	142.93	
		For >100 To 250, Add	*3.57*	
		For >250 To 400, Add	*7.15*	
		For >400 To 600, Add	*10.72*	
		For >600 To 750, Add	*14.29*	
		For >750, Add	*17.87*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	181.15	
		For >100 To 250, Add	*4.53*	
		For >250 To 400, Add	*9.06*	
		For >400 To 600, Add	*13.59*	
		For >600 To 750, Add	*18.12*	
		For >750, Add	*22.64*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	234.33	
		For >100 To 250, Add	*5.86*	
		For >250 To 400, Add	*11.72*	
		For >400 To 600, Add	*17.57*	
		For >600 To 750, Add	*23.43*	
		For >750, Add	*29.29*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	340.70	
		For >100 To 250, Add	*8.52*	
		For >250 To 400, Add	*17.04*	
		For >400 To 600, Add	*25.55*	
		For >600 To 750, Add	*34.07*	
		For >750, Add	*42.59*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	405.51	
		For >100 To 250, Add	*10.14*	
		For >250 To 400, Add	*20.28*	
		For >400 To 600, Add	*30.41*	
		For >600 To 750, Add	*40.55*	
		For >750, Add	*50.69*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	470.33	
		For >100 To 250, Add	*11.76*	
		For >250 To 400, Add	*23.52*	
		For >400 To 600, Add	*35.27*	
		For >600 To 750, Add	*47.03*	
		For >750, Add	*58.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	553.42	
		For >100 To 250, Add	*13.84*	
		For >250 To 400, Add	*27.67*	
		For >400 To 600, Add	*41.51*	
		For >600 To 750, Add	*55.34*	
		For >750, Add	*69.18*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	639.83	
		For >100 To 250, Add	*16.00*	
		For >250 To 400, Add	*31.99*	
		For >400 To 600, Add	*47.99*	
		For >600 To 750, Add	*63.98*	
		For >750, Add	*79.98*	
33 11 13 00-0048		Furnish And Install Casing *(33 11 13 00-0001)*		
		Note: Excludes drilling of hole.		
33 11 13 00-0049		Steel Well Casing *(33 11 13 00-0048)*		
33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	51.61	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 400, Deduct	*-2.82*	
		For >400 To 600, Deduct	*-4.23*	
		For >600 To 750, Deduct	*-5.65*	
		For >750, Deduct	*-7.37*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	64.15	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 400, Deduct	*-3.51*	
		For >400 To 600, Deduct	*-5.27*	
		For >600 To 750, Deduct	*-7.02*	
		For >750, Deduct	*-9.17*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	95.30	
		For >100 To 250, Deduct	*-2.75*	
		For >250 To 400, Deduct	*-5.13*	
		For >400 To 600, Deduct	*-7.69*	
		For >600 To 750, Deduct	*-10.26*	
		For >750, Deduct	*-13.30*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	160.53	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 400, Deduct	*-8.46*	
		For >400 To 600, Deduct	*-12.70*	
		For >600 To 750, Deduct	*-16.93*	
		For >750, Deduct	*-21.73*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	179.62	
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 400, Deduct	*-9.59*	
		For >400 To 600, Deduct	*-14.38*	
		For >600 To 750, Deduct	*-19.18*	
		For >750, Deduct	*-24.76*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	210.74	
		For >100 To 250, Deduct	*-6.02*	
		For >250 To 400, Deduct	*-11.29*	
		For >400 To 600, Deduct	*-16.93*	
		For >600 To 750, Deduct	*-22.58*	
		For >750, Deduct	*-29.20*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	240.14	
		For >100 To 250, Deduct	*-6.95*	
		For >250 To 400, Deduct	*-12.95*	
		For >400 To 600, Deduct	*-19.43*	
		For >600 To 750, Deduct	*-25.91*	
		For >750, Deduct	*-33.62*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	273.47	
		For >100 To 250, Deduct	*-8.00*	
		For >250 To 400, Deduct	*-14.84*	
		For >400 To 600, Deduct	*-22.26*	
		For >600 To 750, Deduct	*-29.68*	
		For >750, Deduct	*-38.61*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	319.81	
		For >100 To 250, Deduct	*-9.31*	
		For >250 To 400, Deduct	*-17.30*	
		For >400 To 600, Deduct	*-25.95*	
		For >600 To 750, Deduct	*-34.60*	
		For >750, Deduct	*-44.96*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.64	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 750, Deduct	*-0.20*	
		For >750, Deduct	*-0.27*	
33 11 13 00-0060		Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	113.21	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 400, Deduct	*-5.90*	
		For >400 To 600, Deduct	*-8.85*	
		For >600 To 750, Deduct	*-11.81*	
		For >750, Deduct	*-15.07*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	170.60	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 400, Deduct	*-8.83*	
		For >400 To 600, Deduct	*-13.25*	
		For >600 To 750, Deduct	*-17.67*	
		For >750, Deduct	*-22.48*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	238.70	
		For >100 To 250, Deduct	*-6.36*	
		For >250 To 400, Deduct	*-12.32*	
		For >400 To 600, Deduct	*-18.49*	
		For >600 To 750, Deduct	*-24.65*	
		For >750, Deduct	*-31.31*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	277.51	
		For >100 To 250, Deduct	*-7.40*	
		For >250 To 400, Deduct	*-14.34*	
		For >400 To 600, Deduct	*-21.51*	
		For >600 To 750, Deduct	*-28.67*	
		For >750, Deduct	*-36.44*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	250.36	
		For >100 To 250, Deduct	*-6.94*	
		For >250 To 400, Deduct	*-13.20*	
		For >400 To 600, Deduct	*-19.80*	
		For >600 To 750, Deduct	*-26.40*	
		For >750, Deduct	*-33.88*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	290.15	
		For >100 To 250, Deduct	*-8.03*	
		For >250 To 400, Deduct	*-15.28*	
		For >400 To 600, Deduct	*-22.93*	
		For >600 To 750, Deduct	*-30.57*	
		For >750, Deduct	*-39.22*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	349.25	
		For >100 To 250, Deduct	*-9.61*	
		For >250 To 400, Deduct	*-18.34*	
		For >400 To 600, Deduct	*-27.51*	
		For >600 To 750, Deduct	*-36.67*	
		For >750, Deduct	*-46.98*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	399.96	
		For >100 To 250, Deduct	*-10.99*	
		For >250 To 400, Deduct	*-20.99*	
		For >400 To 600, Deduct	*-31.49*	
		For >600 To 750, Deduct	*-41.99*	
		For >750, Deduct	*-53.78*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	441.25	
		For >100 To 250, Deduct	*-12.17*	
		For >250 To 400, Deduct	*-23.20*	
		For >400 To 600, Deduct	*-34.81*	
		For >600 To 750, Deduct	*-46.41*	
		For >750, Deduct	*-59.49*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	579.52	
		For >100 To 250, Deduct	*-15.85*	
		For >250 To 400, Deduct	*-30.34*	
		For >400 To 600, Deduct	*-45.50*	
		For >600 To 750, Deduct	*-60.67*	
		For >750, Deduct	*-77.61*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	764.44	
		For >100 To 250, Deduct	*-20.81*	
		For >250 To 400, Deduct	*-39.92*	
		For >400 To 600, Deduct	*-59.88*	
		For >600 To 750, Deduct	*-79.84*	
		For >750, Deduct	*-102.02*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	79.69	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 400, Deduct	*-4.18*	
		For >400 To 600, Deduct	*-6.27*	
		For >600 To 750, Deduct	*-8.36*	
		For >750, Deduct	*-10.70*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	126.67	
		For >100 To 250, Deduct	*-3.47*	
		For >250 To 400, Deduct	*-6.64*	
		For >400 To 600, Deduct	*-9.96*	
		For >600 To 750, Deduct	*-13.27*	
		For >750, Deduct	*-16.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	191.38	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 400, Deduct	*-10.03*	
		For >400 To 600, Deduct	*-15.05*	
		For >600 To 750, Deduct	*-20.06*	
		For >750, Deduct	*-25.68*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	225.45	
		For >100 To 250, Deduct	*-6.20*	
		For >250 To 400, Deduct	*-11.83*	
		For >400 To 600, Deduct	*-17.75*	
		For >600 To 750, Deduct	*-23.66*	
		For >750, Deduct	*-30.30*	
33 11 13 00-0078		Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*		
33 11 13 00-0079		Stainless Steel Well Screen *(33 11 13 00-0078)*		
33 11 13 00-0080	LF	2" Stainless Steel Well Screen	33.39	1.95
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 400, Deduct	*-1.92*	
		For >400 To 600, Deduct	*-2.88*	
		For >600 To 750, Deduct	*-3.84*	
		For >750, Deduct	*-5.12*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	54.35	1.95
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 400, Deduct	*-2.99*	
		For >400 To 600, Deduct	*-4.48*	
		For >600 To 750, Deduct	*-5.97*	
		For >750, Deduct	*-7.82*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	68.26	2.91
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 400, Deduct	*-3.75*	
		For >400 To 600, Deduct	*-5.63*	
		For >600 To 750, Deduct	*-7.51*	
		For >750, Deduct	*-9.82*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	86.58	2.91
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 400, Deduct	*-4.73*	
		For >400 To 600, Deduct	*-7.10*	
		For >600 To 750, Deduct	*-9.47*	
		For >750, Deduct	*-12.36*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	103.23	3.88
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 400, Deduct	*-5.70*	
		For >400 To 600, Deduct	*-8.55*	
		For >600 To 750, Deduct	*-11.40*	
		For >750, Deduct	*-14.95*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	134.90	4.86
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 400, Deduct	*-7.44*	
		For >400 To 600, Deduct	*-11.15*	
		For >600 To 750, Deduct	*-14.87*	
		For >750, Deduct	*-19.49*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	170.58	7.78
		For >100 To 250, Deduct	*-5.20*	
		For >250 To 400, Deduct	*-9.46*	
		For >400 To 600, Deduct	*-14.19*	
		For >600 To 750, Deduct	*-18.92*	
		For >750, Deduct	*-24.86*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	200.18	9.71
		For >100 To 250, Deduct	*-6.09*	
		For >250 To 400, Deduct	*-11.10*	
		For >400 To 600, Deduct	*-16.65*	
		For >600 To 750, Deduct	*-22.19*	
		For >750, Deduct	*-29.16*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	219.12	10.69
		For >100 To 250, Deduct	*-6.73*	
		For >250 To 400, Deduct	*-12.21*	
		For >400 To 600, Deduct	*-18.31*	
		For >600 To 750, Deduct	*-24.42*	
		For >750, Deduct	*-32.15*	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	236.62	12.63
		For >100 To 250, Deduct	*-7.32*	
		For >250 To 400, Deduct	*-13.24*	
		For >400 To 600, Deduct	*-19.86*	
		For >600 To 750, Deduct	*-26.48*	
		For >750, Deduct	*-34.93*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	283.52	14.57
		For >100 To 250, Deduct	*-8.82*	
		For >250 To 400, Deduct	*-15.91*	
		For >400 To 600, Deduct	*-23.87*	
		For >600 To 750, Deduct	*-31.82*	
		For >750, Deduct	*-42.03*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	357.70	18.45
		For >100 To 250, Deduct	*-11.12*	
		For >250 To 400, Deduct	*-20.06*	
		For >400 To 600, Deduct	*-30.10*	
		For >600 To 750, Deduct	*-40.13*	
		For >750, Deduct	*-53.00*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	463.68	24.28
		For >100 To 250, Deduct	*-14.45*	
		For >250 To 400, Deduct	*-26.04*	
		For >400 To 600, Deduct	*-39.06*	
		For >600 To 750, Deduct	*-52.08*	
		For >750, Deduct	*-68.82*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	535.29	28.18
		For >100 To 250, Deduct	*-16.62*	
		For >250 To 400, Deduct	*-30.00*	
		For >400 To 600, Deduct	*-45.00*	
		For >600 To 750, Deduct	*-60.01*	
		For >750, Deduct	*-79.22*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	21.21	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.85*	
		For >600 To 750, Deduct	*-2.47*	
		For >750, Deduct	*-3.31*	
		For Schedule 80, Add	*5.72*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.54	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 400, Deduct	*-1.41*	
		For >400 To 600, Deduct	*-2.12*	
		For >600 To 750, Deduct	*-2.82*	
		For >750, Deduct	*-3.77*	
		For Schedule 80, Add	*6.87*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	33.20	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 400, Deduct	*-1.99*	
		For >400 To 600, Deduct	*-2.98*	
		For >600 To 750, Deduct	*-3.98*	
		For >750, Deduct	*-5.40*	
		For Schedule 80, Add	*8.01*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	51.41	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 400, Deduct	*-2.93*	
		For >400 To 600, Deduct	*-4.39*	
		For >600 To 750, Deduct	*-5.85*	
		For >750, Deduct	*-7.78*	
		For Schedule 80, Add	*14.88*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	64.63	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 400, Deduct	*-3.68*	
		For >400 To 600, Deduct	*-5.52*	
		For >600 To 750, Deduct	*-7.36*	
		For >750, Deduct	*-9.79*	
		For Schedule 80, Add	*18.66*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	81.51	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 400, Deduct	*-4.61*	
		For >400 To 600, Deduct	*-6.92*	
		For >600 To 750, Deduct	*-9.22*	
		For >750, Deduct	*-12.22*	
		For Schedule 80, Add	*24.04*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	87.21	
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 400, Deduct	*-5.07*	
		For >400 To 600, Deduct	*-7.61*	
		For >600 To 750, Deduct	*-10.15*	
		For >750, Deduct	*-13.61*	
		For Schedule 80, Add	*23.47*	
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	128.09	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 400, Deduct	*-7.32*	
		For >400 To 600, Deduct	*-10.98*	
		For >600 To 750, Deduct	*-14.63*	
		For >750, Deduct	*-19.48*	
		For Schedule 80, Add	*36.63*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*
Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*
Note: Excludes casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	19.04	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.85*	
		For >600 To 750, Deduct	*-2.46*	
		For >750, Deduct	*-3.44*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	28.25	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 400, Deduct	*-1.85*	
		For >400 To 600, Deduct	*-2.78*	
		For >600 To 750, Deduct	*-3.70*	
		For >750, Deduct	*-5.20*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	39.60	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 400, Deduct	*-2.63*	
		For >400 To 600, Deduct	*-3.95*	
		For >600 To 750, Deduct	*-5.26*	
		For >750, Deduct	*-7.43*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	50.61	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 400, Deduct	*-3.34*	
		For >400 To 600, Deduct	*-5.01*	
		For >600 To 750, Deduct	*-6.68*	
		For >750, Deduct	*-9.40*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	62.23	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 400, Deduct	*-4.08*	
		For >400 To 600, Deduct	*-6.12*	
		For >600 To 750, Deduct	*-8.16*	
		For >750, Deduct	*-11.46*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	80.20	
		For >100 To 250, Deduct	*-3.20*	
		For >250 To 400, Deduct	*-5.20*	
		For >400 To 600, Deduct	*-7.81*	
		For >600 To 750, Deduct	*-10.41*	
		For >750, Deduct	*-14.56*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	91.84	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 400, Deduct	*-5.94*	
		For >400 To 600, Deduct	*-8.91*	
		For >600 To 750, Deduct	*-11.88*	
		For >750, Deduct	*-16.61*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	109.36	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 400, Deduct	*-7.12*	
		For >400 To 600, Deduct	*-10.67*	
		For >600 To 750, Deduct	*-14.23*	
		For >750, Deduct	*-19.93*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	123.89	
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 400, Deduct	*-8.09*	
		For >400 To 600, Deduct	*-12.13*	
		For >600 To 750, Deduct	*-16.17*	
		For >750, Deduct	*-22.67*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	133.10	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 400, Deduct	*-8.63*	
		For >400 To 600, Deduct	*-12.95*	
		For >600 To 750, Deduct	*-17.26*	
		For >750, Deduct	*-24.15*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	159.17	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 400, Deduct	*-10.39*	
		For >400 To 600, Deduct	*-15.58*	
		For >600 To 750, Deduct	*-20.78*	
		For >750, Deduct	*-29.13*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	185.08	
		For >100 To 250, Deduct	*-7.59*	
		For >250 To 400, Deduct	*-12.22*	
		For >400 To 600, Deduct	*-18.33*	
		For >600 To 750, Deduct	*-24.44*	
		For >750, Deduct	*-34.40*	

33 11 13 00-0117 Develop Well *(33 11 13 00-0001)*

Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.

33 11 13 00-0118	HR	Develop Well	455.29	

33 11 13 00-0119 Pump Test *(33 11 13 00-0001)*

Note: To determine water level and GPM flow rate.

33 11 13 00-0120	HR	Pump Test Well	402.89	

33 11 13 00-0121 Test Well *(33 11 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	107.44	
33 11 13 00-0123		Surface Seal, Concrete Filled *(33 11 13)*		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	33.02	
33 11 13 00-0125		Other Water Well *(33 11 13)*		
33 11 13 00-0126	SF	Patch Hole In Well Casing	103.80	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.34	
33 11 13 00-0128	SF	1" Pressure Grout Well	3.72	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	6.08	
33 11 13 00-0130		Sterilization Of Well *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,733.00	
33 11 13 00-0132		Submersible Well Pumps *(33 11 13)*		
		Note: Includes pump end, motor and control box.		
33 11 13 00-0133		4" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0134		Powder Coated Case And Cast Iron Ends *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,415.04	493.38
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,612.31	546.85
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,789.52	607.61
33 11 13 00-0138		Stainless Steel Case And Ends *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,587.92	486.09
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,810.09	546.85
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,028.71	607.61
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,320.74	668.38
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,623.42	729.13
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,221.70	850.66
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,041.40	972.19
33 11 13 00-0146		6" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,960.32	1,215.23
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,559.78	1,336.75
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,181.74	1,458.27
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,273.77	1,701.32

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0542 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	48.81	13.62
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*19.74*	
		For Cement Mortar Lining (CML), Add	*2.82*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*15.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.12*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.44*	
		For Class 52, Add	*8.84*	
		For Class 53, Add	*15.89*	
		For Class 54, Add	*22.64*	
		For Class 55, Add	*26.06*	
		For Class 56, Add	*29.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	52.94	14.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*21.69*	
		For Cement Mortar Lining (CML), Add	*3.10*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*16.73*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.32*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.65*	
		For Class 51, Add	*4.50*	
		For Class 52, Add	*9.69*	
		For Class 53, Add	*17.43*	
		For Class 54, Add	*24.84*	
		For Class 55, Add	*28.59*	
		For Class 56, Add	*32.27*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	56.63	15.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.54*	
		For Cement Mortar Lining (CML), Add	*3.36*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.16*	
		For Fusion Bonded Epoxy Lining (206N), Add	*6.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.52*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.83*	
		For Class 51, Add	*4.87*	
		For Class 52, Add	*10.50*	
		For Class 53, Add	*18.88*	
		For Class 54, Add	*26.92*	
		For Class 55, Add	*30.98*	
		For Class 56, Add	*34.97*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	66.97	15.81
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*30.11*	
		For Cement Mortar Lining (CML), Add	*4.30*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*7.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.23*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.35*	
		For Class 51, Add	*6.16*	
		For Class 52, Add	*13.29*	
		For Class 53, Add	*23.95*	
		For Class 54, Add	*34.17*	
		For Class 55, Add	*39.29*	
		For Class 56, Add	*44.32*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	89.93	22.41
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*33.58*	
		For Cement Mortar Lining (CML), Add	*5.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*27.98*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.20*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.50*	
		For Class 51, Add	*8.05*	
		For Class 52, Add	*17.36*	
		For Class 53, Add	*31.26*	
		For Class 54, Add	*44.59*	
		For Class 55, Add	*51.28*	
		For Class 56, Add	*57.86*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	109.22	24.91
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*35.74*	
		For Cement Mortar Lining (CML), Add	*7.15*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*28.59*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.36*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.46*	
		For Class 51, Add	*10.21*	
		For Class 52, Add	*22.04*	
		For Class 53, Add	*39.72*	
		For Class 54, Add	*56.67*	
		For Class 55, Add	*65.15*	
		For Class 56, Add	*73.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	131.10	27.96
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*39.00*	
		For Cement Mortar Lining (CML), Add	*8.86*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.65*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.56*	
		For Class 51, Add	*12.61*	
		For Class 52, Add	*27.22*	
		For Class 53, Add	*49.09*	
		For Class 54, Add	*70.06*	
		For Class 55, Add	*80.52*	
		For Class 56, Add	*90.81*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	147.89	32.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*40.74*	
		For Cement Mortar Lining (CML), Add	*9.94*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.80*	
		For Fusion Bonded Epoxy Lining (206N), Add	*17.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.39*	
		For Class 51, Add	*14.15*	
		For Class 52, Add	*30.54*	
		For Class 53, Add	*55.07*	
		For Class 54, Add	*78.58*	
		For Class 55, Add	*90.33*	
		For Class 56, Add	*101.87*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	184.04	37.36
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*52.25*	
		For Cement Mortar Lining (CML), Add	*12.74*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*39.51*	
		For Fusion Bonded Epoxy Lining (206N), Add	*22.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.56*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.20*	
		For Class 51, Add	*18.08*	
		For Class 52, Add	*39.02*	
		For Class 53, Add	*70.42*	
		For Class 54, Add	*100.50*	
		For Class 55, Add	*115.49*	
		For Class 56, Add	*130.22*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	208.28	44.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*53.33*	
		For Cement Mortar Lining (CML), Add	*14.04*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*39.30*	
		For Fusion Bonded Epoxy Lining (206N), Add	*25.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.53*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.41*	
		For Class 51, Add	*19.98*	
		For Class 52, Add	*43.12*	
		For Class 53, Add	*77.76*	
		For Class 54, Add	*110.96*	
		For Class 55, Add	*127.54*	
		For Class 56, Add	*143.83*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	273.27	56.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*58.39*	
		For Cement Mortar Lining (CML), Add	*18.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*39.56*	
		For Fusion Bonded Epoxy Lining (206N), Add	*33.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.13*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.66*	
		For Class 51, Add	*26.73*	
		For Class 52, Add	*57.71*	
		For Class 53, Add	*104.13*	
		For Class 54, Add	*148.60*	
		For Class 55, Add	*170.78*	
		For Class 56, Add	*192.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	356.19	60.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*82.34*	
		For Cement Mortar Lining (CML), Add	*26.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-17.81*	
		For Class 51, Add	*37.34*	
		For Class 52, Add	*80.65*	
		For Class 53, Add	*145.74*	
		For Class 54, Add	*208.10*	
		For Class 55, Add	*239.01*	
		For Class 56, Add	*269.36*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	428.38	64.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*102.96*	
		For Cement Mortar Lining (CML), Add	*33.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.91*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.42*	
		For Class 51, Add	*46.47*	
		For Class 52, Add	*100.42*	
		For Class 53, Add	*181.60*	
		For Class 54, Add	*259.36*	
		For Class 55, Add	*297.80*	
		For Class 56, Add	*335.54*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	529.75	67.81
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*132.64*	
		For Cement Mortar Lining (CML), Add	*42.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.09*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-26.49*	
		For Class 51, Add	*59.59*	
		For Class 52, Add	*128.81*	
		For Class 53, Add	*233.11*	
		For Class 54, Add	*333.01*	
		For Class 55, Add	*382.24*	
		For Class 56, Add	*430.58*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	652.90	71.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*169.06*	
		For Cement Mortar Lining (CML), Add	*54.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.90*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-32.65*	
		For Class 51, Add	*75.68*	
		For Class 52, Add	*163.62*	
		For Class 53, Add	*296.29*	
		For Class 54, Add	*423.33*	
		For Class 55, Add	*485.81*	
		For Class 56, Add	*547.14*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	186.56	43.00
		For Cement Mortar Lining (CML), Add	*12.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	209.95	51.39
		For Cement Mortar Lining (CML), Add	*13.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	331.00	75.94
		For Cement Mortar Lining (CML), Add	*21.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	450.73	90.08
		For Cement Mortar Lining (CML), Add	*31.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	650.41	99.40
		For Cement Mortar Lining (CML), Add	*49.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	849.59	116.61
		For Cement Mortar Lining (CML), Add	*67.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,324.52	130.76
		For Cement Mortar Lining (CML), Add	*112.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*202.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,756.28	149.44
		For Cement Mortar Lining (CML), Add	*152.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*275.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,159.19	209.22
		For Cement Mortar Lining (CML), Add	*184.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*331.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	2,965.01	261.52
		For Cement Mortar Lining (CML), Add	*256.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*462.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,362.16	348.25
		For Cement Mortar Lining (CML), Add	*383.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*690.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*287.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	6,719.38	373.60
		For Cement Mortar Lining (CML), Add	*615.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,107.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*461.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,207.62	387.87
		For Cement Mortar Lining (CML), Add	*962.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,731.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*721.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	17,175.57	448.32
		For Cement Mortar Lining (CML), Add	*1,649.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,969.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,237.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	22,718.89	476.96
		For Cement Mortar Lining (CML), Add	*2,199.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,959.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,649.72*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	174.06	43.00
		For Cement Mortar Lining (CML), Add	*10.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	186.74	51.39
		For Cement Mortar Lining (CML), Add	*10.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	289.94	75.94
		For Cement Mortar Lining (CML), Add	*17.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	391.82	90.08
		For Cement Mortar Lining (CML), Add	*25.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	523.67	99.40
		For Cement Mortar Lining (CML), Add	*37.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	733.56	116.61
		For Cement Mortar Lining (CML), Add	*55.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*100.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,074.60	130.76
		For Cement Mortar Lining (CML), Add	*87.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,318.92	149.44
		For Cement Mortar Lining (CML), Add	*109.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,884.29	209.22
		For Cement Mortar Lining (CML), Add	*156.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,070.66	261.52
		For Cement Mortar Lining (CML), Add	*167.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*301.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,071.52	348.25
		For Cement Mortar Lining (CML), Add	*254.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*457.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	5,733.99	373.60
		For Cement Mortar Lining (CML), Add	*516.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*930.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.59*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,144.02	387.87
		For Cement Mortar Lining (CML), Add	*755.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,360.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*566.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,289.70	448.32
		For Cement Mortar Lining (CML), Add	*1,161.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,089.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*870.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	15,937.22	476.96
		For Cement Mortar Lining (CML), Add	*1,521.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,738.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,141.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		**Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	150.86	43.00
		For Cement Mortar Lining (CML), Add	*8.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	181.39	51.39
		For Cement Mortar Lining (CML), Add	*10.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	275.66	75.94
		For Cement Mortar Lining (CML), Add	*16.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	386.47	90.08
		For Cement Mortar Lining (CML), Add	*24.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	521.88	99.40
		For Cement Mortar Lining (CML), Add	*37.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	663.94	116.61
		For Cement Mortar Lining (CML), Add	*48.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*87.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,085.31	130.76
		For Cement Mortar Lining (CML), Add	*88.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*159.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,274.30	149.44
		For Cement Mortar Lining (CML), Add	*104.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*188.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,604.02	209.22
		For Cement Mortar Lining (CML), Add	*128.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*231.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.53*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,145.64	261.52
		For Cement Mortar Lining (CML), Add	*174.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*314.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,875.15	348.25
		For Cement Mortar Lining (CML), Add	*234.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*422.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,896.77	373.60
		For Cement Mortar Lining (CML), Add	*433.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*779.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*324.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,935.50	387.87
		For Cement Mortar Lining (CML), Add	*634.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,142.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*476.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,263.59	448.32
		For Cement Mortar Lining (CML), Add	*958.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,725.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*718.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,202.41	476.96
		For Cement Mortar Lining (CML), Add	*1,247.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,246.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*935.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067		Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	150.86	43.00
		For Cement Mortar Lining (CML), Add	*8.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	176.03	51.39
		For Cement Mortar Lining (CML), Add	*9.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	281.02	75.94
		For Cement Mortar Lining (CML), Add	*16.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	363.26	90.08
		For Cement Mortar Lining (CML), Add	*22.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	518.31	99.40
		For Cement Mortar Lining (CML), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	633.59	116.61
		For Cement Mortar Lining (CML), Add	*45.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.27*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,210.27	130.76
		For Cement Mortar Lining (CML), Add	*101.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,334.99	149.44
		For Cement Mortar Lining (CML), Add	*110.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*199.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,943.19	209.22
		For Cement Mortar Lining (CML), Add	*162.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*292.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,043.89	261.52
		For Cement Mortar Lining (CML), Add	*164.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*296.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,725.20	348.25
		For Cement Mortar Lining (CML), Add	*219.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*395.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,975.32	373.60
		For Cement Mortar Lining (CML), Add	*440.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*793.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,614.18	387.87
		For Cement Mortar Lining (CML), Add	*602.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,084.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*451.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,826.23	448.32
		For Cement Mortar Lining (CML), Add	*914.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,646.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*686.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,116.73	476.96
		For Cement Mortar Lining (CML), Add	*1,239.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,230.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*929.56*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	191.91	43.00
		For Cement Mortar Lining (CML), Add	*12.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	234.94	51.39
		For Cement Mortar Lining (CML), Add	*15.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.78*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	375.63	75.94
		For Cement Mortar Lining (CML), Add	*26.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	509.64	90.08
		For Cement Mortar Lining (CML), Add	*37.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	736.10	99.40
		For Cement Mortar Lining (CML), Add	*58.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	942.42	116.61
		For Cement Mortar Lining (CML), Add	*76.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*137.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,622.64	130.76
		For Cement Mortar Lining (CML), Add	*142.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,482.82	149.44
		For Cement Mortar Lining (CML), Add	*225.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*406.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,880.38	209.22
		For Cement Mortar Lining (CML), Add	*256.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*461.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,914.69	261.52
		For Cement Mortar Lining (CML), Add	*351.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*633.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,754.88	348.25
		For Cement Mortar Lining (CML), Add	*422.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*760.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*317.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,890.08	373.60
		For Cement Mortar Lining (CML), Add	*832.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,498.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*624.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	15,927.15	387.87
		For Cement Mortar Lining (CML), Add	*1,533.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,761.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,150.47*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	175.85	43.00
		For Cement Mortar Lining (CML), Add	*11.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	192.10	51.39
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	309.58	75.94
		For Cement Mortar Lining (CML), Add	*19.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	448.95	90.08
		For Cement Mortar Lining (CML), Add	*31.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	614.71	99.40
		For Cement Mortar Lining (CML), Add	*46.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*83.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	837.09	116.61
		For Cement Mortar Lining (CML), Add	*66.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,435.20	130.76
		For Cement Mortar Lining (CML), Add	*123.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,188.28	149.44
		For Cement Mortar Lining (CML), Add	*196.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*353.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*147.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,582.27	209.22
		For Cement Mortar Lining (CML), Add	*226.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*407.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,354.16	261.52
		For Cement Mortar Lining (CML), Add	*295.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*532.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,213.99	348.25
		For Cement Mortar Lining (CML), Add	*368.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*663.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	7,806.52	373.60
		For Cement Mortar Lining (CML), Add	*724.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,303.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*543.03*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	13,933.17	387.87
		For Cement Mortar Lining (CML), Add	*1,334.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,402.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,000.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0111		Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*		
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	304.82	64.51
		For Cement Mortar Lining (CML), Add	*20.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	316.32	72.10
		For Cement Mortar Lining (CML), Add	*20.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	288.16	75.94
		For Cement Mortar Lining (CML), Add	*17.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	384.16	95.67
		For Cement Mortar Lining (CML), Add	*23.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	441.90	99.62
		For Cement Mortar Lining (CML), Add	*29.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	481.29	111.53
		For Cement Mortar Lining (CML), Add	*31.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	512.29	115.44
		For Cement Mortar Lining (CML), Add	*33.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	582.04	127.30
		For Cement Mortar Lining (CML), Add	*38.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	674.35	135.25
		For Cement Mortar Lining (CML), Add	*46.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	704.85	123.53
		For Cement Mortar Lining (CML), Add	*51.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	705.78	134.75
		For Cement Mortar Lining (CML), Add	*50.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.62*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	802.79	142.22
		For Cement Mortar Lining (CML), Add	*58.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	897.64	149.44
		For Cement Mortar Lining (CML), Add	*67.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*120.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	843.54	138.48
		For Cement Mortar Lining (CML), Add	*63.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*114.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	958.68	149.68
		For Cement Mortar Lining (CML), Add	*73.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,178.88	157.16
		For Cement Mortar Lining (CML), Add	*94.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*169.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*70.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,263.00	164.38
		For Cement Mortar Lining (CML), Add	*101.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,197.57	171.86
		For Cement Mortar Lining (CML), Add	*93.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*168.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*70.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,278.21	174.42
		For Cement Mortar Lining (CML), Add	*101.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,423.42	181.90
		For Cement Mortar Lining (CML), Add	*114.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,819.95	189.11
		For Cement Mortar Lining (CML), Add	*153.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*276.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	1,945.52	196.59
		For Cement Mortar Lining (CML), Add	*164.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*296.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	1,876.78	208.99
		For Cement Mortar Lining (CML), Add	*156.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*280.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.01*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,625.37	209.21
		For Cement Mortar Lining (CML), Add	*130.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,749.28	216.69
		For Cement Mortar Lining (CML), Add	*142.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*255.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,038.69	223.91
		For Cement Mortar Lining (CML), Add	*169.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*305.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,232.09	231.37
		For Cement Mortar Lining (CML), Add	*188.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*338.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,688.18	243.75
		For Cement Mortar Lining (CML), Add	*231.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*417.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,539.59	261.18
		For Cement Mortar Lining (CML), Add	*214.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*385.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,258.62	267.75
		For Cement Mortar Lining (CML), Add	*185.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*333.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,423.48	275.22
		For Cement Mortar Lining (CML), Add	*200.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,623.64	282.45
		For Cement Mortar Lining (CML), Add	*219.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*395.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	2,822.41	289.91
		For Cement Mortar Lining (CML), Add	*238.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	2,903.61	302.28
		For Cement Mortar Lining (CML), Add	*244.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*440.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,099.56	319.68
		For Cement Mortar Lining (CML), Add	*261.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*470.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,631.24	348.92
		For Cement Mortar Lining (CML), Add	*310.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*558.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,666.76	383.95
		For Cement Mortar Lining (CML), Add	*208.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,724.51	391.43
		For Cement Mortar Lining (CML), Add	*213.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*383.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	2,969.29	398.65
		For Cement Mortar Lining (CML), Add	*236.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*425.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,212.69	406.12
		For Cement Mortar Lining (CML), Add	*259.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*467.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,251.07	418.48
		For Cement Mortar Lining (CML), Add	*261.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,298.84	435.88
		For Cement Mortar Lining (CML), Add	*263.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*474.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,150.05	465.14
		For Cement Mortar Lining (CML), Add	*344.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*620.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*258.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,652.57	523.27
		For Cement Mortar Lining (CML), Add	*285.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*514.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,265.36	499.81
		For Cement Mortar Lining (CML), Add	*250.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*451.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*188.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,308.83	507.99
		For Cement Mortar Lining (CML), Add	*254.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*457.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,648.23	514.50
		For Cement Mortar Lining (CML), Add	*286.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*516.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.15*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	3,739.87	521.97
		For Cement Mortar Lining (CML), Add	*294.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,212.02	534.34
		For Cement Mortar Lining (CML), Add	*340.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*612.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,550.79	551.72
		For Cement Mortar Lining (CML), Add	*371.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,173.51	580.99
		For Cement Mortar Lining (CML), Add	*429.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*772.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	5,734.60	639.10
		For Cement Mortar Lining (CML), Add	*476.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*857.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*357.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,301.11	697.05
		For Cement Mortar Lining (CML), Add	*424.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*764.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*318.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	5,682.81	589.60
		For Cement Mortar Lining (CML), Add	*478.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*862.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*359.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	5,988.29	596.81
		For Cement Mortar Lining (CML), Add	*508.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*915.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*381.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,294.16	604.29
		For Cement Mortar Lining (CML), Add	*537.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*968.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*403.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	6,730.60	616.66
		For Cement Mortar Lining (CML), Add	*579.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,043.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*434.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,203.24	820.46
		For Cement Mortar Lining (CML), Add	*624.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,123.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*468.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	7,397.53	663.32
		For Cement Mortar Lining (CML), Add	*639.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,150.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*479.44*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	7,694.43	721.43
		For Cement Mortar Lining (CML), Add	*660.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,188.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*495.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,083.89	779.34
		For Cement Mortar Lining (CML), Add	*690.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,242.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*517.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	10,142.01	820.46
		For Cement Mortar Lining (CML), Add	*889.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,601.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*667.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	5,942.82	582.12
		For Cement Mortar Lining (CML), Add	*506.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*910.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*379.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	6,949.73	654.06
		For Cement Mortar Lining (CML), Add	*595.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,072.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*446.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	7,735.41	661.28
		For Cement Mortar Lining (CML), Add	*673.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,212.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*505.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,160.88	668.75
		For Cement Mortar Lining (CML), Add	*714.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,286.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*536.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	8,467.01	681.11
		For Cement Mortar Lining (CML), Add	*743.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,338.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*557.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	8,777.21	698.52
		For Cement Mortar Lining (CML), Add	*771.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,389.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*578.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	9,371.37	727.78
		For Cement Mortar Lining (CML), Add	*826.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,488.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*620.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,011.01	785.88
		For Cement Mortar Lining (CML), Add	*882.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,587.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*661.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	11,077.02	843.80
		For Cement Mortar Lining (CML), Add	*979.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,763.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*734.89*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	12,247.95	917.25
		For Cement Mortar Lining (CML), Add	*1,090.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,963.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*818.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	14,305.03	917.25
		For Cement Mortar Lining (CML), Add	*1,291.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,324.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*968.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	16,091.41	704.77
		For Cement Mortar Lining (CML), Add	*1,502.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,704.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,126.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	16,413.63	717.15
		For Cement Mortar Lining (CML), Add	*1,532.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,758.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,149.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	18,244.75	734.54
		For Cement Mortar Lining (CML), Add	*1,713.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,083.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,284.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	17,057.35	763.81
		For Cement Mortar Lining (CML), Add	*1,590.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,862.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,192.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	17,145.38	821.92
		For Cement Mortar Lining (CML), Add	*1,590.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,862.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,192.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	17,524.12	879.84
		For Cement Mortar Lining (CML), Add	*1,619.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,914.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,214.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	21,256.70	921.00
		For Cement Mortar Lining (CML), Add	*1,986.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,575.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,489.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	22,139.18	953.23
		For Cement Mortar Lining (CML), Add	*2,069.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,725.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,552.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	23,421.42	971.25
		For Cement Mortar Lining (CML), Add	*2,194.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,950.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,646.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	18,961.41	762.20
		For Cement Mortar Lining (CML), Add	*1,780.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,205.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,335.49*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	19,301.46	774.56
		For Cement Mortar Lining (CML), Add	*1,812.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,263.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,359.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	19,783.03	791.96
		For Cement Mortar Lining (CML), Add	*1,858.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,344.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,393.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	20,280.80	821.23
		For Cement Mortar Lining (CML), Add	*1,903.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,426.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,427.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	20,824.04	879.33
		For Cement Mortar Lining (CML), Add	*1,949.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,508.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,461.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	20,972.50	937.24
		For Cement Mortar Lining (CML), Add	*1,955.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,519.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,466.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	25,531.59	978.41
		For Cement Mortar Lining (CML), Add	*2,404.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,328.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,803.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	29,114.95	1,010.65
		For Cement Mortar Lining (CML), Add	*2,758.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,965.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,068.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	30,541.79	1,028.65
		For Cement Mortar Lining (CML), Add	*2,898.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,216.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,173.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	31,051.19	1,057.41
		For Cement Mortar Lining (CML), Add	*2,944.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,300.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,208.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0204		Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*		
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	260.99	72.10
		For Cement Mortar Lining (CML), Add	*15.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	398.83	75.90
		For Cement Mortar Lining (CML), Add	*28.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	384.16	95.67
		For Cement Mortar Lining (CML), Add	*23.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.94*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	443.69	99.62
		For Cement Mortar Lining (CML), Add	*29.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	597.32	111.46
		For Cement Mortar Lining (CML), Add	*42.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	765.77	115.44
		For Cement Mortar Lining (CML), Add	*59.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*106.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	687.36	127.30
		For Cement Mortar Lining (CML), Add	*49.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	829.65	135.20
		For Cement Mortar Lining (CML), Add	*62.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,181.48	123.53
		For Cement Mortar Lining (CML), Add	*99.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*178.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,250.24	134.75
		For Cement Mortar Lining (CML), Add	*104.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*188.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,436.51	142.22
		For Cement Mortar Lining (CML), Add	*122.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,617.04	149.44
		For Cement Mortar Lining (CML), Add	*139.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*250.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*104.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,507.60	138.48
		For Cement Mortar Lining (CML), Add	*129.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,704.86	149.68
		For Cement Mortar Lining (CML), Add	*147.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*266.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,053.59	157.16
		For Cement Mortar Lining (CML), Add	*181.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,112.72	164.38
		For Cement Mortar Lining (CML), Add	*186.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*335.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,915.19	171.85
		For Cement Mortar Lining (CML), Add	*165.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*297.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*124.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,256.45	174.42
		For Cement Mortar Lining (CML), Add	*199.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*358.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,581.97	181.90
		For Cement Mortar Lining (CML), Add	*230.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*415.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,369.43	189.11
		For Cement Mortar Lining (CML), Add	*308.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*554.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*231.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,609.25	196.59
		For Cement Mortar Lining (CML), Add	*331.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*596.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*248.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,528.02	208.95
		For Cement Mortar Lining (CML), Add	*321.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*578.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*240.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,319.89	209.21
		For Cement Mortar Lining (CML), Add	*200.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*360.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,552.58	216.69
		For Cement Mortar Lining (CML), Add	*222.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*400.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,008.01	223.91
		For Cement Mortar Lining (CML), Add	*266.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,363.85	231.37
		For Cement Mortar Lining (CML), Add	*301.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*542.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*226.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,207.32	243.75
		For Cement Mortar Lining (CML), Add	*383.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*690.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*287.85*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,058.73	261.14
		For Cement Mortar Lining (CML), Add	*366.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*659.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*274.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,649.23	267.75
		For Cement Mortar Lining (CML), Add	*324.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	3,928.34	275.22
		For Cement Mortar Lining (CML), Add	*351.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*632.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,198.11	282.45
		For Cement Mortar Lining (CML), Add	*377.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,491.49	289.91
		For Cement Mortar Lining (CML), Add	*405.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*729.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,542.35	302.28
		For Cement Mortar Lining (CML), Add	*408.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*735.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*306.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,590.14	319.68
		For Cement Mortar Lining (CML), Add	*410.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*739.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*307.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,202.48	348.95
		For Cement Mortar Lining (CML), Add	*367.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*661.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*275.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,334.06	383.95
		For Cement Mortar Lining (CML), Add	*375.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*675.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*281.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,429.30	391.43
		For Cement Mortar Lining (CML), Add	*383.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*690.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*287.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,861.52	398.65
		For Cement Mortar Lining (CML), Add	*425.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*766.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,290.57	406.12
		For Cement Mortar Lining (CML), Add	*467.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*841.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*350.64*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,345.01	418.48
		For Cement Mortar Lining (CML), Add	*471.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*847.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*353.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,408.85	435.88
		For Cement Mortar Lining (CML), Add	*474.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*854.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*356.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,263.63	465.14
		For Cement Mortar Lining (CML), Add	*555.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,000.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*416.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	5,941.10	523.24
		For Cement Mortar Lining (CML), Add	*514.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*926.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*386.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,271.84	499.81
		For Cement Mortar Lining (CML), Add	*451.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*812.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,340.29	507.27
		For Cement Mortar Lining (CML), Add	*457.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*822.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,942.11	514.50
		For Cement Mortar Lining (CML), Add	*516.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,217.61	521.97
		For Cement Mortar Lining (CML), Add	*542.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*976.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*407.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,171.75	534.34
		For Cement Mortar Lining (CML), Add	*636.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,145.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*477.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	7,963.94	551.72
		For Cement Mortar Lining (CML), Add	*712.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,283.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*534.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	8,907.98	580.99
		For Cement Mortar Lining (CML), Add	*802.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,444.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*602.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	9,786.82	639.10
		For Cement Mortar Lining (CML), Add	*881.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,587.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*661.39*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	8,696.41	697.02
		For Cement Mortar Lining (CML), Add	*764.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,375.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*573.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	10,841.18	582.12
		For Cement Mortar Lining (CML), Add	*995.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,792.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*746.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,148.51	589.60
		For Cement Mortar Lining (CML), Add	*1,125.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,025.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*844.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	12,852.08	596.81
		For Cement Mortar Lining (CML), Add	*1,194.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,150.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*896.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	13,556.02	604.29
		For Cement Mortar Lining (CML), Add	*1,264.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,275.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*948.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	14,554.79	616.66
		For Cement Mortar Lining (CML), Add	*1,362.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,451.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,021.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	15,630.80	634.05
		For Cement Mortar Lining (CML), Add	*1,467.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,640.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,100.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	16,026.80	663.32
		For Cement Mortar Lining (CML), Add	*1,502.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,703.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,126.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	16,605.75	721.43
		For Cement Mortar Lining (CML), Add	*1,551.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,792.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,163.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	17,402.22	779.34
		For Cement Mortar Lining (CML), Add	*1,622.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,919.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,216.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	18,858.76	820.51
		For Cement Mortar Lining (CML), Add	*1,761.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,170.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,321.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	20,669.22	668.75
		For Cement Mortar Lining (CML), Add	*1,965.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,538.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,474.20*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	21,478.75	681.11
		For Cement Mortar Lining (CML), Add	*2,044.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,680.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,533.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	22,285.21	698.52
		For Cement Mortar Lining (CML), Add	*2,122.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,820.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,592.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	23,841.55	727.78
		For Cement Mortar Lining (CML), Add	*2,273.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,092.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,705.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	25,446.94	785.88
		For Cement Mortar Lining (CML), Add	*2,425.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,366.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,819.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	28,224.89	843.80
		For Cement Mortar Lining (CML), Add	*2,694.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,850.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,020.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	31,612.93	884.96
		For Cement Mortar Lining (CML), Add	*3,027.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,448.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,270.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	37,715.11	917.20
		For Cement Mortar Lining (CML), Add	*3,632.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,538.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,724.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	33,188.26	821.92
		For Cement Mortar Lining (CML), Add	*3,194.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,749.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,395.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	34,020.41	879.84
		For Cement Mortar Lining (CML), Add	*3,268.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,883.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,451.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	36,339.17	921.00
		For Cement Mortar Lining (CML), Add	*3,494.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,289.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,620.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	41,547.00	953.23
		For Cement Mortar Lining (CML), Add	*4,010.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,218.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,007.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	48,989.69	971.24
		For Cement Mortar Lining (CML), Add	*4,751.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,553.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,563.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	32,746.85	879.33
		For Cement Mortar Lining (CML), Add	*3,141.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,654.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,356.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	37,083.21	937.24
		For Cement Mortar Lining (CML), Add	*3,566.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,419.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,674.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	39,521.57	978.41
		For Cement Mortar Lining (CML), Add	*3,803.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,847.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,852.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	45,041.79	1,010.65
		For Cement Mortar Lining (CML), Add	*4,351.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,831.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,263.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	58,868.07	1,028.65
		For Cement Mortar Lining (CML), Add	*5,730.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10,315.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,298.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	64,623.95	1,057.37
		For Cement Mortar Lining (CML), Add	*6,302.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,343.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,726.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	529.48	111.53
		For Cement Mortar Lining (CML), Add	*36.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*64.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*27.04*	
33 14 13 13-0288	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	628.45	127.30
		For Cement Mortar Lining (CML), Add	*43.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.67*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*32.67*	
33 14 13 13-0289	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	946.77	134.75
		For Cement Mortar Lining (CML), Add	*74.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.70*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*55.70*	
33 14 13 13-0290	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,064.00	149.68
		For Cement Mortar Lining (CML), Add	*83.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.79*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*62.79*	
33 14 13 13-0291	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,449.58	174.42
		For Cement Mortar Lining (CML), Add	*118.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*88.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0292	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,850.41	209.21
		For Cement Mortar Lining (CML), Add	*153.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*276.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.01*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*115.01*	
33 14 13 13-0293	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,272.91	267.75
		For Cement Mortar Lining (CML), Add	*186.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*140.04*	
33 14 13 13-0294	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,186.23	383.95
		For Cement Mortar Lining (CML), Add	*260.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*468.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.34*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*195.34*	
33 14 13 13-0295	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,705.76	499.81
		For Cement Mortar Lining (CML), Add	*298.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*537.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*223.85*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*223.85*	
33 14 13 13-0296	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,220.96	582.12
		For Cement Mortar Lining (CML), Add	*633.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,141.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*475.42*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*475.42*	

33 14 13 13-0297 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0298	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	475.93	111.53
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*30.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.03*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*23.03*	
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	557.04	127.30
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*36.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*65.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*27.31*	
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	789.68	134.75
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*58.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*43.91*	
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	976.53	149.68
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*74.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*134.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.23*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*56.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland.	1,228.22	174.42
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*96.40*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*173.51*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*72.30*	
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*72.30*	
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland.	1,550.51	209.21
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*123.35*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*222.03*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*92.51*	
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*92.51*	
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland.	2,003.35	267.75
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*159.77*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*287.58*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*119.83*	
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*119.83*	
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland.	2,191.92	383.95
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*161.02*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*289.83*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*120.76*	
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*120.76*	
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland.	3,039.91	499.81
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*231.89*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*417.40*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*173.92*	
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*173.92*	
33 14 13 13-0307		**Mechanical Joint Ductile Iron Cross** *(33 14 13 13-0002)*		
33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross	360.61	86.02
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*23.03*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*41.45*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*17.27*	
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross	436.37	93.60
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*29.45*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*53.02*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*22.09*	
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross	516.85	94.88
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*37.31*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*67.16*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*27.98*	
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross	616.91	117.27
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*43.91*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*79.05*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*32.94*	
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross	598.68	126.50
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*40.70*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*73.26*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*30.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross	696.57	158.13
		For Cement Mortar Lining (CML), Add	*45.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross	614.87	138.37
		For Cement Mortar Lining (CML), Add	*40.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross	730.62	170.00
		For Cement Mortar Lining (CML), Add	*47.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross	773.61	181.84
		For Cement Mortar Lining (CML), Add	*49.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	747.31	144.48
		For Cement Mortar Lining (CML), Add	*52.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*95.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	856.85	174.37
		For Cement Mortar Lining (CML), Add	*59.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*106.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,016.66	185.59
		For Cement Mortar Lining (CML), Add	*73.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,099.90	199.25
		For Cement Mortar Lining (CML), Add	*79.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*143.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross	905.37	156.92
		For Cement Mortar Lining (CML), Add	*66.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*120.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,052.42	186.81
		For Cement Mortar Lining (CML), Add	*76.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,513.90	198.02
		For Cement Mortar Lining (CML), Add	*121.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*218.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,534.68	211.73
		For Cement Mortar Lining (CML), Add	*121.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*218.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.04*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,740.96	224.16
		For Cement Mortar Lining (CML), Add	*140.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*252.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,782.26	205.47
		For Cement Mortar Lining (CML), Add	*147.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,095.59	216.69
		For Cement Mortar Lining (CML), Add	*176.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,152.06	230.40
		For Cement Mortar Lining (CML), Add	*180.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*324.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,270.88	242.84
		For Cement Mortar Lining (CML), Add	*190.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,511.59	261.52
		For Cement Mortar Lining (CML), Add	*211.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,037.86	231.61
		For Cement Mortar Lining (CML), Add	*168.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,317.27	242.84
		For Cement Mortar Lining (CML), Add	*194.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross	2,771.08	256.53
		For Cement Mortar Lining (CML), Add	*238.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,087.01	268.98
		For Cement Mortar Lining (CML), Add	*267.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*482.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross	3,725.81	287.64
		For Cement Mortar Lining (CML), Add	*329.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*592.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*246.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,359.84	313.83
		For Cement Mortar Lining (CML), Add	*388.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*699.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.33*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,362.18	273.87
		For Cement Mortar Lining (CML), Add	*294.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,554.13	285.09
		For Cement Mortar Lining (CML), Add	*312.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*561.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*234.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross	3,721.27	298.79
		For Cement Mortar Lining (CML), Add	*326.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*588.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,032.87	311.23
		For Cement Mortar Lining (CML), Add	*356.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*641.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	4,702.02	329.90
		For Cement Mortar Lining (CML), Add	*420.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*756.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*315.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,005.82	356.03
		For Cement Mortar Lining (CML), Add	*446.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*803.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,244.79	398.29
		For Cement Mortar Lining (CML), Add	*464.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*835.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*348.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,226.56	343.63
		For Cement Mortar Lining (CML), Add	*370.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*667.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,420.29	354.85
		For Cement Mortar Lining (CML), Add	*388.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*698.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,557.08	368.55
		For Cement Mortar Lining (CML), Add	*399.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*719.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*299.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	4,866.91	380.99
		For Cement Mortar Lining (CML), Add	*428.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*772.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	4,954.10	399.67
		For Cement Mortar Lining (CML), Add	*434.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*782.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	5,986.23	425.79
		For Cement Mortar Lining (CML), Add	*534.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*961.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*400.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,225.20	468.05
		For Cement Mortar Lining (CML), Add	*551.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*992.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*413.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	6,739.69	537.76
		For Cement Mortar Lining (CML), Add	*592.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,066.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*444.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	5,758.53	429.86
		For Cement Mortar Lining (CML), Add	*510.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*919.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*383.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross	5,893.69	441.08
		For Cement Mortar Lining (CML), Add	*522.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*940.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,117.61	454.78
		For Cement Mortar Lining (CML), Add	*542.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*977.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*407.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,311.40	467.22
		For Cement Mortar Lining (CML), Add	*560.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,008.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*420.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,427.15	485.89
		For Cement Mortar Lining (CML), Add	*569.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,024.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*426.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross	6,672.04	512.03
		For Cement Mortar Lining (CML), Add	*589.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,061.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*442.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross	8,808.61	554.28
		For Cement Mortar Lining (CML), Add	*796.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,434.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*597.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,292.74	624.05
		For Cement Mortar Lining (CML), Add	*834.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,502.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*626.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross	10,240.98	710.29
		For Cement Mortar Lining (CML), Add	*916.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,649.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*687.36*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross	10,989.42	571.56
		For Cement Mortar Lining (CML), Add	*1,012.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,822.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*759.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	30" x 10" Mechanical Joint Ductile Iron Cross	11,208.32	585.27
		For Cement Mortar Lining (CML), Add	*1,032.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,857.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*774.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	30" x 12" Mechanical Joint Ductile Iron Cross	11,423.54	597.70
		For Cement Mortar Lining (CML), Add	*1,051.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,893.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*788.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	30" x 14" Mechanical Joint Ductile Iron Cross	11,678.53	616.38
		For Cement Mortar Lining (CML), Add	*1,074.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,934.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*805.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	30" x 16" Mechanical Joint Ductile Iron Cross	11,971.61	642.51
		For Cement Mortar Lining (CML), Add	*1,099.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,979.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*824.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	30" x 18" Mechanical Joint Ductile Iron Cross	12,317.70	684.77
		For Cement Mortar Lining (CML), Add	*1,128.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,030.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*846.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	30" x 20" Mechanical Joint Ductile Iron Cross	12,760.78	754.54
		For Cement Mortar Lining (CML), Add	*1,161.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,091.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*871.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	30" x 24" Mechanical Joint Ductile Iron Cross	16,392.06	840.75
		For Cement Mortar Lining (CML), Add	*1,511.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,721.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,133.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	30" x 30" Mechanical Joint Ductile Iron Cross	18,849.72	971.25
		For Cement Mortar Lining (CML), Add	*1,737.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,128.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,303.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	36" x 8" Mechanical Joint Ductile Iron Cross	15,321.58	619.66
		For Cement Mortar Lining (CML), Add	*1,438.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,588.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,078.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	36" x 10" Mechanical Joint Ductile Iron Cross	15,538.73	633.36
		For Cement Mortar Lining (CML), Add	*1,457.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,624.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,093.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	36" x 12" Mechanical Joint Ductile Iron Cross	15,725.37	645.80
		For Cement Mortar Lining (CML), Add	*1,474.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,654.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,106.02*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0373	EA	36" x 14" Mechanical Joint Ductile Iron Cross	15,950.01	664.47
		For Cement Mortar Lining (CML), Add	*1,494.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,689.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,120.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	36" x 16" Mechanical Joint Ductile Iron Cross	16,214.53	690.61
		For Cement Mortar Lining (CML), Add	*1,516.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,730.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,137.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	16,530.28	732.86
		For Cement Mortar Lining (CML), Add	*1,541.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,775.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,156.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	16,944.79	802.63
		For Cement Mortar Lining (CML), Add	*1,572.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,831.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,179.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	17,664.53	888.85
		For Cement Mortar Lining (CML), Add	*1,631.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,937.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,223.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	23,778.12	1,019.33
		For Cement Mortar Lining (CML), Add	*2,223.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,002.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,667.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	26,121.67	1,067.49
		For Cement Mortar Lining (CML), Add	*2,450.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,410.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,837.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	20,551.62	673.60
		For Cement Mortar Lining (CML), Add	*1,953.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,515.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,464.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	23,232.14	692.29
		For Cement Mortar Lining (CML), Add	*2,218.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,992.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,663.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	21,021.17	718.42
		For Cement Mortar Lining (CML), Add	*1,993.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,587.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,494.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	21,301.20	760.68
		For Cement Mortar Lining (CML), Add	*2,014.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,626.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,511.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	21,701.43	830.44
		For Cement Mortar Lining (CML), Add	*2,044.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,679.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,533.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	22,369.41	916.66
		For Cement Mortar Lining (CML), Add	*2,098.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,776.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,573.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	28,629.37	1,047.15
		For Cement Mortar Lining (CML), Add	*2,704.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,867.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,028.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	37,369.01	1,095.24
		For Cement Mortar Lining (CML), Add	*3,570.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,427.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,678.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross	40,036.84	1,123.08
		For Cement Mortar Lining (CML), Add	*3,833.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,900.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,875.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross	27,775.51	784.03
		For Cement Mortar Lining (CML), Add	*2,658.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,785.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,994.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross	27,964.46	802.71
		For Cement Mortar Lining (CML), Add	*2,674.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,814.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,006.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross	28,218.27	828.83
		For Cement Mortar Lining (CML), Add	*2,696.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,853.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,022.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross	28,496.51	871.09
		For Cement Mortar Lining (CML), Add	*2,717.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,891.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,038.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross	28,871.77	940.86
		For Cement Mortar Lining (CML), Add	*2,744.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,940.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,058.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross	29,511.18	1,027.08
		For Cement Mortar Lining (CML), Add	*2,795.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,031.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,096.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross	31,238.73	1,157.57
		For Cement Mortar Lining (CML), Add	*2,948.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,307.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,211.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross	38,259.28	1,205.67
		For Cement Mortar Lining (CML), Add	*3,643.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,557.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,732.44*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross	49,167.45	1,233.48
		For Cement Mortar Lining (CML), Add	*4,729.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,513.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,547.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross	52,365.88	1,343.84
		For Cement Mortar Lining (CML), Add	*5,032.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,059.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,774.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399		**Mechanical Joint x Mechanical Joint Ductile Iron Reducers** *(33 14 13 13-0002)*		
33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	174.45	46.80
		For Cement Mortar Lining (CML), Add	*10.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	203.14	58.66
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	219.59	62.46
		For Cement Mortar Lining (CML), Add	*12.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	278.11	70.38
		For Cement Mortar Lining (CML), Add	*17.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	306.67	82.23
		For Cement Mortar Lining (CML), Add	*18.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	334.85	73.72
		For Cement Mortar Lining (CML), Add	*22.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	364.32	84.94
		For Cement Mortar Lining (CML), Add	*23.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	398.85	92.40
		For Cement Mortar Lining (CML), Add	*25.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	405.07	81.20
		For Cement Mortar Lining (CML), Add	*28.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	450.61	92.40
		For Cement Mortar Lining (CML), Add	*31.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.30*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	470.87	99.88
		For Cement Mortar Lining (CML), Add	*31.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	515.72	107.10
		For Cement Mortar Lining (CML), Add	*35.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	847.80	104.77
		For Cement Mortar Lining (CML), Add	*68.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	823.42	112.26
		For Cement Mortar Lining (CML), Add	*65.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	737.97	119.47
		For Cement Mortar Lining (CML), Add	*55.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*100.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	776.06	126.93
		For Cement Mortar Lining (CML), Add	*58.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	995.53	122.16
		For Cement Mortar Lining (CML), Add	*81.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	976.52	129.64
		For Cement Mortar Lining (CML), Add	*78.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*140.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	958.90	136.86
		For Cement Mortar Lining (CML), Add	*75.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*135.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,039.84	144.34
		For Cement Mortar Lining (CML), Add	*82.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,156.76	156.70
		For Cement Mortar Lining (CML), Add	*91.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,242.22	158.90
		For Cement Mortar Lining (CML), Add	*100.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*180.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.11*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,392.40	166.12
		For Cement Mortar Lining (CML), Add	*114.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*205.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,343.03	173.60
		For Cement Mortar Lining (CML), Add	*108.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,424.24	185.97
		For Cement Mortar Lining (CML), Add	*114.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*205.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,500.59	203.37
		For Cement Mortar Lining (CML), Add	*119.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*214.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,753.34	217.02
		For Cement Mortar Lining (CML), Add	*142.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,682.15	224.23
		For Cement Mortar Lining (CML), Add	*134.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,552.46	231.70
		For Cement Mortar Lining (CML), Add	*120.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,562.26	244.07
		For Cement Mortar Lining (CML), Add	*119.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*214.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,613.61	261.47
		For Cement Mortar Lining (CML), Add	*121.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,934.65	290.73
		For Cement Mortar Lining (CML), Add	*149.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*268.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,279.29	289.63
		For Cement Mortar Lining (CML), Add	*184.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*331.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,344.43	302.00
		For Cement Mortar Lining (CML), Add	*188.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*339.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.52*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,395.78	319.38
		For Cement Mortar Lining (CML), Add	*191.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*344.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*143.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,356.22	348.65
		For Cement Mortar Lining (CML), Add	*182.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*329.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,879.83	406.77
		For Cement Mortar Lining (CML), Add	*226.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*407.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,696.69	360.55
		For Cement Mortar Lining (CML), Add	*415.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*747.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*311.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,905.27	389.82
		For Cement Mortar Lining (CML), Add	*431.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*776.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*323.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,754.09	447.92
		For Cement Mortar Lining (CML), Add	*407.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,647.28	505.85
		For Cement Mortar Lining (CML), Add	*388.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*698.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,041.46	480.15
		For Cement Mortar Lining (CML), Add	*631.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,136.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*473.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,827.88	538.07
		For Cement Mortar Lining (CML), Add	*501.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*902.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,329.39	579.23
		For Cement Mortar Lining (CML), Add	*545.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*981.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*408.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,148.14	410.79
		For Cement Mortar Lining (CML), Add	*852.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,534.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*639.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,113.95	440.06
		For Cement Mortar Lining (CML), Add	*844.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,520.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*633.54*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0446	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,173.42	498.16
		For Cement Mortar Lining (CML), Add	*841.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,515.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*631.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,237.65	556.09
		For Cement Mortar Lining (CML), Add	*939.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,691.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*704.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,447.06	597.24
		For Cement Mortar Lining (CML), Add	*754.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,357.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*565.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,842.21	629.48
		For Cement Mortar Lining (CML), Add	*788.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,419.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*591.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,322.74	439.51
		For Cement Mortar Lining (CML), Add	*1,165.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,098.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*874.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,949.37	468.77
		For Cement Mortar Lining (CML), Add	*1,123.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,023.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*842.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,394.75	526.87
		For Cement Mortar Lining (CML), Add	*1,059.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,907.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*794.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,752.08	584.79
		For Cement Mortar Lining (CML), Add	*1,086.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,955.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*814.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,040.49	625.95
		For Cement Mortar Lining (CML), Add	*1,309.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,356.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*981.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,302.41	658.19
		For Cement Mortar Lining (CML), Add	*1,130.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,034.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*847.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,504.32	676.20
		For Cement Mortar Lining (CML), Add	*1,247.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,246.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*935.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457		Mechanical Joint x Plain End Ductile Iron Offsets *(33 14 13 13-0002)*		
33 14 13 13-0458	EA	4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	819.89	173.93
		For Cement Mortar Lining (CML), Add	*55.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0459	EA	4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	842.24	173.93
		For Cement Mortar Lining (CML), Add	*57.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,014.34	217.42
		For Cement Mortar Lining (CML), Add	*68.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	1,106.54	217.42
		For Cement Mortar Lining (CML), Add	*77.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	6" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	1,222.28	217.42
		For Cement Mortar Lining (CML), Add	*89.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,285.87	248.45
		For Cement Mortar Lining (CML), Add	*90.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	1,517.48	248.45
		For Cement Mortar Lining (CML), Add	*114.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	1,618.54	248.45
		For Cement Mortar Lining (CML), Add	*124.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,681.29	289.89
		For Cement Mortar Lining (CML), Add	*124.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,009.99	289.89
		For Cement Mortar Lining (CML), Add	*157.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468	EA	10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	2,291.87	289.89
		For Cement Mortar Lining (CML), Add	*185.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469	EA	12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	2,380.61	316.24
		For Cement Mortar Lining (CML), Add	*190.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,628.63	316.24
		For Cement Mortar Lining (CML), Add	*214.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,108.29	316.24
		For Cement Mortar Lining (CML), Add	*262.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	3,900.08	347.87
		For Cement Mortar Lining (CML), Add	*337.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*252.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	4,892.14	347.87
		For Cement Mortar Lining (CML), Add	*436.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*327.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA	14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	2,883.22	347.87
		For Cement Mortar Lining (CML), Add	*235.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	2,404.42	386.57
		For Cement Mortar Lining (CML), Add	*181.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.41*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0476	EA	16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,983.12	386.57
		For Cement Mortar Lining (CML), Add	*239.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*179.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,437.82	386.57
		For Cement Mortar Lining (CML), Add	*285.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*213.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478		**Mechanical Joint Ductile Iron Caps** *(33 14 13 13-0002)*		
33 14 13 13-0479	EA	3" Mechanical Joint Ductile Iron Caps	196.15	98.82
		For Cement Mortar Lining (CML), Add	*4.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	4" Mechanical Joint Ductile Iron Caps	223.89	115.96
		For Cement Mortar Lining (CML), Add	*4.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	6" Mechanical Joint Ductile Iron Caps	305.30	144.95
		For Cement Mortar Lining (CML), Add	*8.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	8" Mechanical Joint Ductile Iron Caps	393.80	165.67
		For Cement Mortar Lining (CML), Add	*14.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	10" Mechanical Joint Ductile Iron Caps	557.67	249.07
		For Cement Mortar Lining (CML), Add	*18.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484	EA	12" Mechanical Joint Ductile Iron Caps	681.23	271.71
		For Cement Mortar Lining (CML), Add	*26.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485	EA	14" Mechanical Joint Ductile Iron Caps	861.64	298.89
		For Cement Mortar Lining (CML), Add	*40.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	16" Mechanical Joint Ductile Iron Caps	1,051.20	332.05
		For Cement Mortar Lining (CML), Add	*54.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	18" Mechanical Joint Ductile Iron Caps	1,235.49	373.60
		For Cement Mortar Lining (CML), Add	*66.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*120.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	20" Mechanical Joint Ductile Iron Caps	1,512.71	426.93
		For Cement Mortar Lining (CML), Add	*86.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0489	EA	24" Mechanical Joint Ductile Iron Caps	1,943.65	498.14
		For Cement Mortar Lining (CML), Add	*118.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*214.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	30" Mechanical Joint Ductile Iron Caps	3,624.44	597.76
		For Cement Mortar Lining (CML), Add	*271.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*489.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*203.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	36" Mechanical Joint Ductile Iron Caps	6,076.91	747.21
		For Cement Mortar Lining (CML), Add	*494.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*890.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	42" Mechanical Joint Ductile Iron Caps	8,857.85	896.65
		For Cement Mortar Lining (CML), Add	*749.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,349.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*562.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	48" Mechanical Joint Ductile Iron Caps	10,545.78	996.28
		For Cement Mortar Lining (CML), Add	*903.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,626.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*677.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494		Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*		
33 14 13 13-0495	EA	3" Mechanical Joint Ductile Iron Plug	203.29	98.82
		For Cement Mortar Lining (CML), Add	*5.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	4" Mechanical Joint Ductile Iron Plug	234.60	115.96
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	6" Mechanical Joint Ductile Iron Plug	333.86	144.95
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	8" Mechanical Joint Ductile Iron Plug	422.36	165.67
		For Cement Mortar Lining (CML), Add	*17.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	10" Mechanical Joint Ductile Iron Plug	673.70	249.07
		For Cement Mortar Lining (CML), Add	*29.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	12" Mechanical Joint Ductile Iron Plug	713.37	271.71
		For Cement Mortar Lining (CML), Add	*30.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	14" Mechanical Joint Ductile Iron Plug	1,066.93	298.89
		For Cement Mortar Lining (CML), Add	*61.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.06*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0502	EA	16" Mechanical Joint Ductile Iron Plug	581.72	332.05
		For Cement Mortar Lining (CML), Add	*7.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503	EA	18" Mechanical Joint Ductile Iron Plug	1,540.75	373.60
		For Cement Mortar Lining (CML), Add	*97.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0504	EA	20" Mechanical Joint Ductile Iron Plug	1,928.65	426.93
		For Cement Mortar Lining (CML), Add	*128.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0505	EA	24" Mechanical Joint Ductile Iron Plug	2,532.74	498.14
		For Cement Mortar Lining (CML), Add	*177.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*320.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*133.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0506	EA	30" Mechanical Joint Ductile Iron Plug	4,434.88	597.76
		For Cement Mortar Lining (CML), Add	*352.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*635.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*264.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507	EA	36" Mechanical Joint Ductile Iron Plug	6,583.89	747.21
		For Cement Mortar Lining (CML), Add	*545.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*981.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*408.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA	42" Mechanical Joint Ductile Iron Plug	8,922.11	896.65
		For Cement Mortar Lining (CML), Add	*756.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,361.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*567.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0509	EA	48" Mechanical Joint Ductile Iron Plug	11,591.86	996.28
		For Cement Mortar Lining (CML), Add	*1,008.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,814.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*756.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*		
33 14 13 13-0511	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	343.63	150.21
		For Cement Mortar Lining (CML), Add	*11.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	388.50	173.93
		For Cement Mortar Lining (CML), Add	*12.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	502.58	217.42
		For Cement Mortar Lining (CML), Add	*17.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	638.89	248.45
		For Cement Mortar Lining (CML), Add	*26.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.68*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0515	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,023.06	373.60
		For Cement Mortar Lining (CML), Add	*45.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,203.05	407.57
		For Cement Mortar Lining (CML), Add	*58.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0517	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,609.33	448.32
		For Cement Mortar Lining (CML), Add	*93.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0518	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,816.91	498.14
		For Cement Mortar Lining (CML), Add	*106.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,473.56	560.41
		For Cement Mortar Lining (CML), Add	*162.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*292.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,905.47	640.45
		For Cement Mortar Lining (CML), Add	*193.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*348.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0521	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,515.27	747.21
		For Cement Mortar Lining (CML), Add	*238.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0522	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,744.60	896.65
		For Cement Mortar Lining (CML), Add	*438.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*789.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0523	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	7,983.61	1,120.81
		For Cement Mortar Lining (CML), Add	*628.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,131.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*471.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0524	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,703.95	1,280.89
		For Cement Mortar Lining (CML), Add	*876.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0525	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,239.18	1,494.41
		For Cement Mortar Lining (CML), Add	*1,097.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,975.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*823.12*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0526 Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0002)*

33 14 13 13-0527	EA	3" Mechanical Joint Ductile Iron Long Sleeves	325.78	150.21
		For Cement Mortar Lining (CML), Add	*9.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.36*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0528	EA	4" Mechanical Joint Ductile Iron Long Sleeves	379.57	173.93
		For Cement Mortar Lining (CML), Add	*11.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0529	EA	6" Mechanical Joint Ductile Iron Long Sleeves	524.00	217.42
		For Cement Mortar Lining (CML), Add	*19.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0530	EA	8" Mechanical Joint Ductile Iron Long Sleeves	696.02	248.45
		For Cement Mortar Lining (CML), Add	*31.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0531	EA	10" Mechanical Joint Ductile Iron Long Sleeves	946.30	373.60
		For Cement Mortar Lining (CML), Add	*38.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*68.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0532	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,131.64	407.57
		For Cement Mortar Lining (CML), Add	*51.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0533	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,455.81	448.32
		For Cement Mortar Lining (CML), Add	*77.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0534	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,738.36	498.14
		For Cement Mortar Lining (CML), Add	*98.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0535	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,107.61	560.41
		For Cement Mortar Lining (CML), Add	*125.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0536	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,489.54	640.45
		For Cement Mortar Lining (CML), Add	*151.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*273.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*113.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0537	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,133.25	747.21
		For Cement Mortar Lining (CML), Add	*200.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*360.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0538	EA	30" Mechanical Joint Ductile Iron Long Sleeves	5,550.02	896.65
		For Cement Mortar Lining (CML), Add	*419.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*754.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0539	EA	36" Mechanical Joint Ductile Iron Long Sleeves	7,583.74	1,120.81
		For Cement Mortar Lining (CML), Add	*588.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,059.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*441.42*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0540	EA	42" Mechanical Joint Ductile Iron Long Sleeves	9,810.96	1,279.42
		For Cement Mortar Lining (CML), Add	*787.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,417.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*590.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0541	EA	48" Mechanical Joint Ductile Iron Long Sleeves	13,323.08	1,494.41
		For Cement Mortar Lining (CML), Add	*1,105.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,990.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*829.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0542		Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*		
		Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0543		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0542)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0544	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	35.70	
33 14 13 13-0545	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	40.26	
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0546	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	48.65	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0547	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	57.04	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0548	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	78.85	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0549	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	83.88	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0550	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	137.56	
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0551	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	145.95	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0552	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	194.60	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0553	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	251.64	
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0554	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	350.62	
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0555	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	837.12	
		Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0556	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,805.10	
		Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0557	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	2,635.51	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0558	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	3,234.41	
		Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0559		Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0542)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0560	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	60.69	
33 14 13 13-0561	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	57.04	
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0562	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	72.14	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0563	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	78.85	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0564	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	109.04	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0565	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	114.08	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0566	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	172.79	
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0567	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	189.57	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0568	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	251.64	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0569	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	325.45	
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0570	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	454.63	
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0571		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0542)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0572	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27	
33 14 13 13-0573	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	43.62	
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0574	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	52.01	
33 14 13 13-0575	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	62.07	
33 14 13 13-0576	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	85.56	
33 14 13 13-0577	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	90.59	
33 14 13 13-0578	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	149.31	
33 14 13 13-0579	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	157.69	
33 14 13 13-0580	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	213.06	
33 14 13 13-0581	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	273.45	
33 14 13 13-0582	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	382.49	
33 14 13 13-0583	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	915.97	
33 14 13 13-0584	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	2,029.90	
33 14 13 13-0585	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,939.16	
33 14 13 13-0586	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	3,616.91	
33 14 13 13-0587		**Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)** *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0588	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	206.17	75.34
33 14 13 13-0589	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	235.17	89.25
33 14 13 13-0590	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	291.74	110.44
33 14 13 13-0591	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	364.08	128.89
33 14 13 13-0592	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	524.30	186.81
33 14 13 13-0593	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	646.89	213.52
33 14 13 13-0594	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	753.86	229.83
33 14 13 13-0595	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	930.03	249.07
33 14 13 13-0596	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,194.01	298.89
33 14 13 13-0597	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,409.93	331.94
33 14 13 13-0598	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,832.44	383.00
33 14 13 13-0599	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,566.01	459.31
33 14 13 13-0600	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,403.43	574.79
33 14 13 13-0601	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,504.37	663.21
33 14 13 13-0602	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,329.46	852.95
33 14 13 13-0603		**Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** *(33 14 13 13-0002)*		
33 14 13 13-0604	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,428.95	61.67
33 14 13 13-0605	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,611.30	77.09
33 14 13 13-0606	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	6,691.27	113.92
33 14 13 13-0607	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,093.85	135.12
33 14 13 13-0608	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	11,462.45	149.10
33 14 13 13-0609	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	15,289.42	174.91
33 14 13 13-0610	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	18,835.49	196.14
33 14 13 13-0611	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	22,283.60	224.16
33 14 13 13-0612	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	25,120.35	313.83
33 14 13 13-0613	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	33,795.92	392.28
33 14 13 13-0614	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	46,829.03	523.05
33 14 13 13-0615		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0616	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	204.69	75.34
33 14 13 13-0617	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	262.72	89.25
33 14 13 13-0618	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	339.51	110.44
33 14 13 13-0619	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	387.50	128.89
33 14 13 13-0620	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	680.47	197.66
33 14 13 13-0621	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	770.12	225.92
33 14 13 13-0622		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0623	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300))	298.28	75.34
33 14 13 13-0624	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	371.00	89.25
33 14 13 13-0625	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	513.60	110.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0626	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	742.51	128.89
33 14 13 13-0627	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,075.73	197.66
33 14 13 13-0628	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,337.43	225.92
33 14 13 13-0629	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,060.45	243.17
33 14 13 13-0630	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	2,887.43	263.54
33 14 13 13-0631	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,265.93	316.24
33 14 13 13-0632	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,607.66	351.23
33 14 13 13-0633	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,364.34	405.25
33 14 13 13-0634	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,614.89	485.99
33 14 13 13-0635	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,386.22	608.17
33 14 13 13-0636	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	21,872.21	701.72
33 14 13 13-0637	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	28,015.20	902.50

33 14 13 13-0638 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: . See CSI section 33 14 13 13-0542 for bolts and gaskets.

33 14 13 13-0639 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0638)*

33 14 13 13-0640	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	445.40	43.00
33 14 13 13-0641	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	533.07	51.51
33 14 13 13-0642	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	827.26	75.47
33 14 13 13-0643	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,130.86	89.85
33 14 13 13-0644	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,550.11	99.63
33 14 13 13-0645	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,965.29	116.61
33 14 13 13-0646	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,793.67	131.33
33 14 13 13-0647	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,389.66	149.44
33 14 13 13-0648	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,096.06	209.44
33 14 13 13-0649	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,105.38	261.52
33 14 13 13-0650	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,218.35	348.70
33 14 13 13-0651	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	11,557.05	373.60
33 14 13 13-0652	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,021.42	388.32
33 14 13 13-0653	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	28,043.38	448.32
33 14 13 13-0654	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	36,683.88	476.63

33 14 13 13-0655 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0638)*

33 14 13 13-0656	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	425.76	43.00
33 14 13 13-0657	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	499.15	51.51
33 14 13 13-0658	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	768.35	75.47
33 14 13 13-0659	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,039.82	89.85
33 14 13 13-0660	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,357.32	99.63
33 14 13 13-0661	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,792.13	116.61
33 14 13 13-0662	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,422.37	131.33
33 14 13 13-0663	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,900.54	149.44
33 14 13 13-0664	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,430.21	209.44
33 14 13 13-0665	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,164.62	261.52
33 14 13 13-0666	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,488.57	348.70
33 14 13 13-0667	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,098.61	373.60
33 14 13 13-0668	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	13,963.51	388.32
33 14 13 13-0669	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	20,749.38	448.32
33 14 13 13-0670	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	26,562.25	476.63

33 14 13 13-0671 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0638)*

33 14 13 13-0672	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	331.15	43.00
33 14 13 13-0673	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	493.79	51.51
33 14 13 13-0674	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	746.93	75.47
33 14 13 13-0675	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,032.68	89.85
33 14 13 13-0676	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,355.54	99.63
33 14 13 13-0677	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,688.60	116.61
33 14 13 13-0678	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,436.65	131.33
33 14 13 13-0679	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,836.28	149.44
33 14 13 13-0680	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,414.14	209.44
33 14 13 13-0681	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,312.78	261.52
33 14 13 13-0682	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,370.75	348.70
33 14 13 13-0683	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,986.48	373.60
33 14 13 13-0684	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,267.65	388.32
33 14 13 13-0685	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	17,555.80	448.32
33 14 13 13-0686	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	22,479.68	476.63

33 14 13 13-0687 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0638)*

33 14 13 13-0688	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	331.15	43.00
33 14 13 13-0689	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	591.97	51.51
33 14 13 13-0690	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	754.07	75.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0691	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,000.55	89.85
33 14 13 13-0692	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,351.97	99.63
33 14 13 13-0693	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,640.40	116.61
33 14 13 13-0694	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,624.09	131.33
33 14 13 13-0695	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,923.75	149.44
33 14 13 13-0696	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,921.12	209.44
33 14 13 13-0697	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,159.26	261.52
33 14 13 13-0698	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,372.54	348.70
33 14 13 13-0699	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,104.30	373.60
33 14 13 13-0700	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	11,930.26	388.32
33 14 13 13-0701	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,073.82	448.32
33 14 13 13-0702	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	22,351.15	476.63
33 14 13 13-0703		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0636)*		
33 14 13 13-0704	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	390.06	43.00
33 14 13 13-0705	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	574.12	51.51
33 14 13 13-0706	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	895.10	75.47
33 14 13 13-0707	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,216.55	89.85
33 14 13 13-0708	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,675.07	99.63
33 14 13 13-0709	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,102.74	116.61
33 14 13 13-0710	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,780.85	131.33
33 14 13 13-0711	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,901.33	149.44
33 14 13 13-0712	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,743.39	209.44
33 14 13 13-0713	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,772.35	261.52
33 14 13 13-0714	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,403.67	348.70
33 14 13 13-0715		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0638)*		
33 14 13 13-0716	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	390.06	43.00
33 14 13 13-0717	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	506.28	51.51
33 14 13 13-0718	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	796.92	75.47
33 14 13 13-0719	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,127.29	89.85
33 14 13 13-0720	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,494.78	99.63
33 14 13 13-0721	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,945.65	116.61
33 14 13 13-0722	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,593.74	131.33
33 14 13 13-0723	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,116.54	149.44
33 14 13 13-0724	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	5,832.97	209.44
33 14 13 13-0725	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,119.31	261.52
33 14 13 13-0726	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,372.20	348.70
33 14 13 13-0727		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0638)*		
33 14 13 13-0728	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	549.39	64.51
33 14 13 13-0729	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	599.33	72.73
33 14 13 13-0730	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	632.68	75.47
33 14 13 13-0731	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	901.84	95.67
33 14 13 13-0732	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	977.44	99.42
33 14 13 13-0733	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,031.10	111.41
33 14 13 13-0734	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,199.56	115.00
33 14 13 13-0735	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,297.87	126.97
33 14 13 13-0736	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,427.67	135.36
33 14 13 13-0737	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,609.91	123.40
33 14 13 13-0738	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,607.26	134.72
33 14 13 13-0739	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,741.77	142.65
33 14 13 13-0740	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,879.45	149.44
33 14 13 13-0741	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,937.82	138.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0742	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,954.78	149.44
33 14 13 13-0743	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,114.28	157.37
33 14 13 13-0744	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,437.61	164.16
33 14 13 13-0745	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,443.58	172.09
33 14 13 13-0746	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,768.78	174.35
33 14 13 13-0747	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,996.11	182.28
33 14 13 13-0748	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,637.20	189.07
33 14 13 13-0749	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,839.53	196.99
33 14 13 13-0750	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,556.58	209.44
33 14 13 13-0751	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,312.31	209.44
33 14 13 13-0752	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,491.55	216.23
33 14 13 13-0753	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,189.76	224.16
33 14 13 13-0754	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,929.74	230.95
33 14 13 13-0755	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,128.44	243.41
33 14 13 13-0756	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,638.89	261.52
33 14 13 13-0757	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,349.00	268.31
33 14 13 13-0758	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,587.05	275.11
33 14 13 13-0759	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,888.95	281.90
33 14 13 13-0760	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,168.05	289.82
33 14 13 13-0761	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,309.96	302.28
33 14 13 13-0762	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,673.70	319.26
33 14 13 13-0763	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,333.91	348.70
33 14 13 13-0764	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,998.13	383.79
33 14 13 13-0765	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,082.66	391.72
33 14 13 13-0766	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,586.28	398.51
33 14 13 13-0767	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,861.81	406.44
33 14 13 13-0768	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,919.82	418.89
33 14 13 13-0769	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,844.42	435.87
33 14 13 13-0770	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,473.95	465.31
33 14 13 13-0771	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,369.52	523.05
33 14 13 13-0772	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,066.22	499.27
33 14 13 13-0773	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,123.96	508.33
33 14 13 13-0774	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,234.87	513.98
33 14 13 13-0775	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,399.70	521.91
33 14 13 13-0776	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,280.64	534.37
33 14 13 13-0777	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,594.42	551.35
33 14 13 13-0778	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,348.91	580.78
33 14 13 13-0779	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,651.15	639.66
33 14 13 13-0780	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,051.64	697.39
33 14 13 13-0781	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,625.18	581.92
33 14 13 13-0782	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,115.26	589.84
33 14 13 13-0783	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,692.08	596.64
33 14 13 13-0784	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,271.07	604.55
33 14 13 13-0785	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,093.11	617.01
33 14 13 13-0786	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,979.89	820.80
33 14 13 13-0787	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,920.70	663.43
33 14 13 13-0788	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,903.41	721.16
33 14 13 13-0789	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,442.82	778.90
33 14 13 13-0790	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,050.77	820.80
33 14 13 13-0791	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,964.47	654.38
33 14 13 13-0792	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,271.40	661.17
33 14 13 13-0793	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,977.13	669.09
33 14 13 13-0794	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,476.06	681.54
33 14 13 13-0795	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,977.26	698.53
33 14 13 13-0796	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,942.73	727.96
33 14 13 13-0797	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,953.67	785.70
33 14 13 13-0798	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,678.40	843.44
33 14 13 13-0799	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	19,968.60	917.02
33 14 13 13-0800	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	23,012.86	917.02
33 14 13 13-0801	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	26,220.18	705.32
33 14 13 13-0802	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	26,747.69	716.64
33 14 13 13-0803	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,419.60	734.76
33 14 13 13-0804	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,537.58	764.18
33 14 13 13-0805	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,625.61	821.93
33 14 13 13-0806	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	27,804.62	879.67
33 14 13 13-0807	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,300.78	921.55
33 14 13 13-0808	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,072.37	953.25
33 14 13 13-0809	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,970.48	971.37
33 14 13 13-0810	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,580.76	761.92
33 14 13 13-0811	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,129.67	774.38
33 14 13 13-0812	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,909.35	792.50
33 14 13 13-0813	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,701.66	820.80
33 14 13 13-0814	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,543.02	879.67
33 14 13 13-0815	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,730.75	937.41
33 14 13 13-0816	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,219.10	978.16
33 14 13 13-0817	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,114.95	1,010.99
33 14 13 13-0818	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,525.51	1,029.10
33 14 13 13-0819	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	48,681.04	1,057.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0820		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0638)*		
33 14 13 13-0821	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	616.22	72.10
33 14 13 13-0822	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	678.70	72.10
33 14 13 13-0823	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	796.92	75.47
33 14 13 13-0824	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	878.63	95.67
33 14 13 13-0825	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	981.01	99.42
33 14 13 13-0826	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,200.69	111.41
33 14 13 13-0827	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,579.79	115.00
33 14 13 13-0828	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,454.96	126.97
33 14 13 13-0829	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,636.53	135.36
33 14 13 13-0830	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,322.17	123.40
33 14 13 13-0831	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,417.71	134.72
33 14 13 13-0832	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,705.73	142.65
33 14 13 13-0833	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,954.09	149.44
33 14 13 13-0834	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,835.73	138.12
33 14 13 13-0835	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,216.86	149.44
33 14 13 13-0836	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,810.15	157.37
33 14 13 13-0837	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,812.15	164.16
33 14 13 13-0838	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,514.65	172.09
33 14 13 13-0839	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,182.60	174.35
33 14 13 13-0840	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,811.58	182.28
33 14 13 13-0841	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,348.80	189.07
33 14 13 13-0842	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,809.97	196.99
33 14 13 13-0843	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,632.34	209.44
33 14 13 13-0844	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,349.58	209.44
33 14 13 13-0845	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,807.19	216.23
33 14 13 13-0846	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,712.47	224.16
33 14 13 13-0847	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,893.37	230.95
33 14 13 13-0848	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,308.07	243.41
33 14 13 13-0849	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,905.99	261.52
33 14 13 13-0850	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,169.82	268.31
33 14 13 13-0851	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,657.79	275.11
33 14 13 13-0852	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,129.28	281.90
33 14 13 13-0853	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,640.44	289.82
33 14 13 13-0854	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,716.30	302.28
33 14 13 13-0855	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,801.57	319.26
33 14 13 13-0856	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,058.67	348.70
33 14 13 13-0857	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,250.95	383.79
33 14 13 13-0858	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,410.45	391.72
33 14 13 13-0859	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,171.13	398.51
33 14 13 13-0860	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,925.07	406.44
33 14 13 13-0861	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,006.29	418.89
33 14 13 13-0862	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,100.48	435.87
33 14 13 13-0863	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,583.62	465.31
33 14 13 13-0864	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,943.34	523.05
33 14 13 13-0865	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,781.38	499.27
33 14 13 13-0866	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,894.47	507.19
33 14 13 13-0867	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,955.06	513.98
33 14 13 13-0868	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,435.85	521.91
33 14 13 13-0869	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,116.53	534.37
33 14 13 13-0870	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,504.96	551.35
33 14 13 13-0871	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,146.98	580.78
33 14 13 13-0872	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,641.68	639.66
33 14 13 13-0873	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,635.51	697.39
33 14 13 13-0874	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,583.25	581.92
33 14 13 13-0875	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,897.38	589.84
33 14 13 13-0876	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,138.27	596.64
33 14 13 13-0877	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,381.33	604.55
33 14 13 13-0878	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,142.33	617.01
33 14 13 13-0879	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,034.14	633.99
33 14 13 13-0880	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,703.27	663.43
33 14 13 13-0881	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,664.24	721.16
33 14 13 13-0882	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,010.52	778.90
33 14 13 13-0883	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,550.63	820.80
33 14 13 13-0884	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,948.06	669.09
33 14 13 13-0885	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,371.68	681.54
33 14 13 13-0886	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,785.08	698.53
33 14 13 13-0887	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,516.02	727.96
33 14 13 13-0888	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	44,301.38	785.70
33 14 13 13-0889	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	49,169.70	843.44
33 14 13 13-0890	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	55,142.60	885.33
33 14 13 13-0891	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,950.35	917.02
33 14 13 13-0892	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	58,017.49	821.93
33 14 13 13-0893	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,428.03	879.67
33 14 13 13-0894	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,499.77	921.55
33 14 13 13-0895	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,718.77	953.25
33 14 13 13-0896	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	85,925.61	971.37
33 14 13 13-0897	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,165.51	879.67
33 14 13 13-0898	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	64,804.34	937.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0899	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,088.51	978.16
33 14 13 13-0900	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	78,862.68	1,010.99
33 14 13 13-0901	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	103,413.96	1,029.10
33 14 13 13-0902	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,609.42	1,057.41

33 14 13 13-0903 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0638)*

33 14 13 13-0904	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,097.15	111.41
33 14 13 13-0905	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,365.70	126.97
33 14 13 13-0906	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,964.29	134.72
33 14 13 13-0907	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,261.82	149.44
33 14 13 13-0908	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,995.49	174.35
33 14 13 13-0909	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,649.81	209.44
33 14 13 13-0910	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,304.37	268.31
33 14 13 13-0911	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	5,781.79	383.79
33 14 13 13-0912	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,742.25	499.27
33 14 13 13-0913	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	12,301.41	581.92

33 14 13 13-0914 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0638)*

33 14 13 13-0915	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	610.53	86.02
33 14 13 13-0916	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	764.84	93.60
33 14 13 13-0917	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	959.56	94.63
33 14 13 13-0918	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,014.99	117.32
33 14 13 13-0919	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,189.55	126.97
33 14 13 13-0920	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,310.65	158.13
33 14 13 13-0921	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,262.87	138.95
33 14 13 13-0922	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,487.51	170.10
33 14 13 13-0923	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,469.80	182.08
33 14 13 13-0924	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,486.35	144.91
33 14 13 13-0925	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,663.72	174.35
33 14 13 13-0926	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,980.62	185.67
33 14 13 13-0927	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,145.98	199.25
33 14 13 13-0928	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,915.75	157.37
33 14 13 13-0929	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,216.31	186.81
33 14 13 13-0930	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,406.46	198.12
33 14 13 13-0931	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,811.04	211.71
33 14 13 13-0932	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,213.68	224.16
33 14 13 13-0933	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,328.17	204.92
33 14 13 13-0934	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,952.11	216.23
33 14 13 13-0935	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,046.07	230.95
33 14 13 13-0936	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,270.21	242.27
33 14 13 13-0937	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,734.06	261.52
33 14 13 13-0938	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,724.80	232.09
33 14 13 13-0939	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,266.62	242.27
33 14 13 13-0940	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,153.17	256.99
33 14 13 13-0941	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,766.47	269.45
33 14 13 13-0942	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,014.00	287.56
33 14 13 13-0943	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,317.78	313.60
33 14 13 13-0944	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,459.37	273.98
33 14 13 13-0945	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,835.19	285.29
33 14 13 13-0946	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,155.85	298.89
33 14 13 13-0947	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,776.27	311.33
33 14 13 13-0948	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,118.41	329.45
33 14 13 13-0949	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,698.90	355.49
33 14 13 13-0950	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,121.74	398.51
33 14 13 13-0951	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,121.69	344.17
33 14 13 13-0952	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,501.07	354.35
33 14 13 13-0953	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,759.25	369.07
33 14 13 13-0954	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,374.34	381.53
33 14 13 13-0955	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,524.01	399.64
33 14 13 13-0956	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,598.65	425.68
33 14 13 13-0957	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,021.49	467.57
33 14 13 13-0958	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,966.19	537.76
33 14 13 13-0959	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,126.38	430.21
33 14 13 13-0960	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,384.72	441.53
33 14 13 13-0961	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,822.85	455.12
33 14 13 13-0962	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,200.51	467.57
33 14 13 13-0963	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,407.30	485.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0964	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,868.19	511.72
33 14 13 13-0965	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,182.60	554.74
33 14 13 13-0966	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,064.82	623.80
33 14 13 13-0967	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,873.48	709.84
33 14 13 13-0968	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,285.53	571.72
33 14 13 13-0969	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,627.62	585.31
33 14 13 13-0970	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,964.22	597.76
33 14 13 13-0971	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,360.23	615.88
33 14 13 13-0972	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,812.19	643.05
33 14 13 13-0973	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,333.22	684.94
33 14 13 13-0974	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,985.16	754.00
33 14 13 13-0975	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,794.29	841.17
33 14 13 13-0976	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,656.64	971.37
33 14 13 13-0977	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,266.82	619.27
33 14 13 13-0978	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,605.35	632.87
33 14 13 13-0979	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,897.31	645.31
33 14 13 13-0980	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,243.34	664.56
33 14 13 13-0981	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,647.11	690.60
33 14 13 13-0982	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,119.94	732.49
33 14 13 13-0983	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,727.25	802.68
33 14 13 13-0984	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,812.94	888.72
33 14 13 13-0985	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,605.66	1,018.92
33 14 13 13-0986	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,361.24	1,067.60
33 14 13 13-0987	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,697.57	673.61
33 14 13 13-0988	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,377.42	691.73
33 14 13 13-0989	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,768.71	718.90
33 14 13 13-0990	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,309.37	760.79
33 14 13 13-0991	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,286.21	830.98
33 14 13 13-0992	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,367.98	917.02
33 14 13 13-0993	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,446.99	1,047.22
33 14 13 13-0994	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	59,577.69	1,094.77
33 14 13 13-0995	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,880.90	1,123.08
33 14 13 13-0996	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,311.07	784.57
33 14 13 13-0997	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,599.99	802.68
33 14 13 13-0998	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,985.90	828.72
33 14 13 13-0999	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,398.02	870.61
33 14 13 13-1000	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,941.09	940.80
33 14 13 13-1001	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,896.46	1,026.84
33 14 13 13-1002	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,575.48	1,157.04
33 14 13 13-1003	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	60,917.81	1,205.72
33 14 13 13-1004	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	78,582.66	1,234.02
33 14 13 13-1005	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	83,666.18	1,343.84

33 14 13 13-1006 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0638)*

33 14 13 13-1007	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	436.86	46.80
33 14 13 13-1008	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	611.93	58.66
33 14 13 13-1009	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	673.01	62.29
33 14 13 13-1010	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	885.05	70.68
33 14 13 13-1011	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	918.97	82.66
33 14 13 13-1012	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,084.60	73.59
33 14 13 13-1013	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,133.70	84.91
33 14 13 13-1014	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,178.95	92.83
33 14 13 13-1015	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,254.79	81.52
33 14 13 13-1016	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,387.80	92.83
33 14 13 13-1017	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,409.84	99.63
33 14 13 13-1018	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,472.55	107.55
33 14 13 13-1019	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,177.71	105.29
33 14 13 13-1020	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,189.04	112.08
33 14 13 13-1021	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,901.87	120.01
33 14 13 13-1022	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,939.96	126.80
33 14 13 13-1023	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,611.07	122.27
33 14 13 13-1024	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,531.36	130.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1025	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,374.50	136.99
33 14 13 13-1026	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,344.76	143.78
33 14 13 13-1027	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,652.69	156.23
33 14 13 13-1028	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,834.55	158.50
33 14 13 13-1029	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,198.94	166.42
33 14 13 13-1030	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,053.17	173.21
33 14 13 13-1031	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,653.85	185.67
33 14 13 13-1032	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,192.88	203.79
33 14 13 13-1033	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,774.09	217.37
33 14 13 13-1034	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,802.87	224.16
33 14 13 13-1035	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,450.04	232.09
33 14 13 13-1036	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,445.56	244.54
33 14 13 13-1037	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,357.67	261.52
33 14 13 13-1038	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,975.04	290.96
33 14 13 13-1039	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,751.68	289.82
33 14 13 13-1040	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,820.39	302.28
33 14 13 13-1041	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,903.88	319.26
33 14 13 13-1042	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,823.26	348.70
33 14 13 13-1043	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,562.87	406.44
33 14 13 13-1044	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,697.15	360.02
33 14 13 13-1045	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,064.59	389.46
33 14 13 13-1046	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,720.63	448.32
33 14 13 13-1047	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,369.59	506.07
33 14 13 13-1048	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,470.34	480.03
33 14 13 13-1049	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,645.92	537.76
33 14 13 13-1050	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,365.21	579.65
33 14 13 13-1051	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,022.31	410.97
33 14 13 13-1052	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,916.71	440.40
33 14 13 13-1053	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,949.40	498.14
33 14 13 13-1054	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,606.62	555.88
33 14 13 13-1055	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,362.95	597.76
33 14 13 13-1056	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,029.43	629.47
33 14 13 13-1057	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,466.13	439.27
33 14 13 13-1058	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	20,764.29	468.70
33 14 13 13-1059	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	19,706.27	526.44
33 14 13 13-1060	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	20,274.24	585.31
33 14 13 13-1061	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	24,308.50	626.07
33 14 13 13-1062	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,001.30	657.77
33 14 13 13-1063	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,106.48	675.88
33 14 13 13-1064		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0638)*		
33 14 13 13-1065	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	394.30	98.82
33 14 13 13-1066	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	475.59	116.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1067	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	698.02	144.95
33 14 13 13-1068	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	938.26	165.31
33 14 13 13-1069	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,243.15	249.07
33 14 13 13-1070	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,572.01	271.71
33 14 13 13-1071	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,788.12	298.89
33 14 13 13-1072	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,179.40	331.72
33 14 13 13-1073	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,554.69	373.60
33 14 13 13-1074	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,083.62	426.81
33 14 13 13-1075	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,959.05	498.14
33 14 13 13-1076	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,216.10	597.76
33 14 13 13-1077	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	11,853.56	747.21
33 14 13 13-1078	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	17,103.32	896.65
33 14 13 13-1079	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	20,372.66	996.28
33 14 13 13-1080		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0638)*		
33 14 13 13-1081	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	396.09	98.82
33 14 13 13-1082	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	493.44	116.20
33 14 13 13-1083	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	744.44	144.95
33 14 13 13-1084	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	984.67	165.31
33 14 13 13-1085	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,509.14	249.07
33 14 13 13-1086	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,632.70	271.71
33 14 13 13-1087	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,175.49	298.89
33 14 13 13-1088	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,627.46	331.72
33 14 13 13-1089	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,127.72	373.60
33 14 13 13-1090	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,858.36	426.81
33 14 13 13-1091	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,062.25	498.14
33 14 13 13-1092	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	8,740.59	597.76
33 14 13 13-1093	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	12,801.46	747.21
33 14 13 13-1094	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	17,222.92	896.65
33 14 13 13-1095	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	22,909.52	996.28
33 14 13 13-1096		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0638)*		
33 14 13 13-1097	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	536.43	150.21
33 14 13 13-1098	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	711.61	173.69
33 14 13 13-1099	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	980.99	218.02
33 14 13 13-1100	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,292.25	247.96
33 14 13 13-1101	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,901.34	373.60
33 14 13 13-1102	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,274.12	407.57
33 14 13 13-1103	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,982.08	448.32
33 14 13 13-1104	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,386.03	498.14
33 14 13 13-1105	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,451.47	560.41
33 14 13 13-1106	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,163.65	640.78
33 14 13 13-1107	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,253.64	747.21
33 14 13 13-1108	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	9,864.66	896.65
33 14 13 13-1109	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,428.22	1,120.81
33 14 13 13-1110	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	18,294.28	1,280.44
33 14 13 13-1111	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	22,746.73	1,494.41
33 14 13 13-1112		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0638)*		
33 14 13 13-1113	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	557.85	150.21
33 14 13 13-1114	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	684.83	173.69
33 14 13 13-1115	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,011.34	218.02
33 14 13 13-1116	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,374.36	247.96
33 14 13 13-1117	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,787.09	373.60
33 14 13 13-1118	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,167.01	407.57
33 14 13 13-1119	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,753.59	448.32
33 14 13 13-1120	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,264.64	498.14
33 14 13 13-1121	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,901.66	560.41
33 14 13 13-1122	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,544.21	640.78
33 14 13 13-1123	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,685.97	747.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1124	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	9,570.11	896.65
33 14 13 13-1125	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,444.62	1,120.81
33 14 13 13-1126	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	16,217.75	1,279.31
33 14 13 13-1127	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	24,130.19	1,494.41

33 14 13 13-1128 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1129 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1128)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1130	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	36.11	9.88
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*14.79*	
		For Cement Mortar Lining (CML), Add	*2.11*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*11.41*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.58*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.81*	
		For Class 51, Add	*3.07*	
		For Class 52, Add	*6.61*	
		For Class 53, Add	*11.89*	
		For Class 54, Add	*16.94*	
		For Class 55, Add	*19.50*	
		For Class 56, Add	*22.01*	
33 14 13 13-1131	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	39.60	10.90
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.23*	
		For Cement Mortar Lining (CML), Add	*2.32*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.52*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.74*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.98*	
		For Class 51, Add	*3.37*	
		For Class 52, Add	*7.25*	
		For Class 53, Add	*13.04*	
		For Class 54, Add	*18.59*	
		For Class 55, Add	*21.40*	
		For Class 56, Add	*24.15*	
33 14 13 13-1132	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	49.67	11.98
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*22.19*	
		For Cement Mortar Lining (CML), Add	*3.17*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.12*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.48*	
		For Class 51, Add	*4.55*	
		For Class 52, Add	*9.80*	
		For Class 53, Add	*17.66*	
		For Class 54, Add	*25.19*	
		For Class 55, Add	*28.97*	
		For Class 56, Add	*32.68*	
33 14 13 13-1133	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	70.19	16.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*26.83*	
		For Cement Mortar Lining (CML), Add	*4.47*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*22.36*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.35*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.51*	
		For Class 51, Add	*6.41*	
		For Class 52, Add	*13.83*	
		For Class 53, Add	*24.92*	
		For Class 54, Add	*35.55*	
		For Class 55, Add	*40.88*	
		For Class 56, Add	*46.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1134	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	81.61	18.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*26.66*	
		For Cement Mortar Lining (CML), Add	*5.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*21.32*	
		For Fusion Bonded Epoxy Lining (206N), Add	*9.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.00*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.08*	
		For Class 51, Add	*7.62*	
		For Class 52, Add	*16.44*	
		For Class 53, Add	*29.63*	
		For Class 54, Add	*42.27*	
		For Class 55, Add	*48.60*	
		For Class 56, Add	*54.82*	
33 14 13 13-1135	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	99.78	21.06
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*29.90*	
		For Cement Mortar Lining (CML), Add	*6.80*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.11*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.10*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.99*	
		For Class 51, Add	*9.66*	
		For Class 52, Add	*20.85*	
		For Class 53, Add	*37.61*	
		For Class 54, Add	*53.68*	
		For Class 55, Add	*61.69*	
		For Class 56, Add	*69.56*	
33 14 13 13-1136	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	118.39	24.00
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*33.64*	
		For Cement Mortar Lining (CML), Add	*8.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*25.44*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.92*	
		For Class 51, Add	*11.64*	
		For Class 52, Add	*25.12*	
		For Class 53, Add	*45.33*	
		For Class 54, Add	*64.70*	
		For Class 55, Add	*74.35*	
		For Class 56, Add	*83.83*	
33 14 13 13-1137	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	137.75	28.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*39.07*	
		For Cement Mortar Lining (CML), Add	*9.53*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*29.54*	
		For Fusion Bonded Epoxy Lining (206N), Add	*17.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.89*	
		For Class 51, Add	*13.52*	
		For Class 52, Add	*29.18*	
		For Class 53, Add	*52.66*	
		For Class 54, Add	*75.15*	
		For Class 55, Add	*86.37*	
		For Class 56, Add	*97.38*	
33 14 13 13-1138	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	158.74	33.63
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*40.96*	
		For Cement Mortar Lining (CML), Add	*10.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.18*	
		For Fusion Bonded Epoxy Lining (206N), Add	*19.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.08*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.94*	
		For Class 51, Add	*15.33*	
		For Class 52, Add	*33.08*	
		For Class 53, Add	*59.68*	
		For Class 54, Add	*85.16*	
		For Class 55, Add	*97.88*	
		For Class 56, Add	*110.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1139	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	200.88	42.00
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.51*	
		For Cement Mortar Lining (CML), Add	*13.71*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*28.80*	
		For Fusion Bonded Epoxy Lining (206N), Add	*24.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.29*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.04*	
		For Class 51, Add	*19.49*	
		For Class 52, Add	*42.06*	
		For Class 53, Add	*75.88*	
		For Class 54, Add	*108.29*	
		For Class 55, Add	*124.46*	
		For Class 56, Add	*140.34*	
33 14 13 13-1140	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	238.62	44.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*52.91*	
		For Cement Mortar Lining (CML), Add	*17.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.80*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.93*	
		For Class 51, Add	*24.11*	
		For Class 52, Add	*52.07*	
		For Class 53, Add	*94.02*	
		For Class 54, Add	*134.21*	
		For Class 55, Add	*154.20*	
		For Class 56, Add	*173.82*	
33 14 13 13-1141	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	296.95	47.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*69.66*	
		For Cement Mortar Lining (CML), Add	*22.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.85*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-14.85*	
		For Class 51, Add	*31.53*	
		For Class 52, Add	*68.12*	
		For Class 53, Add	*123.13*	
		For Class 54, Add	*175.83*	
		For Class 55, Add	*201.92*	
		For Class 56, Add	*227.54*	
33 14 13 13-1142	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	362.95	50.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*88.83*	
		For Cement Mortar Lining (CML), Add	*28.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.49*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-18.15*	
		For Class 51, Add	*40.01*	
		For Class 52, Add	*86.47*	
		For Class 53, Add	*156.42*	
		For Class 54, Add	*223.42*	
		For Class 55, Add	*256.50*	
		For Class 56, Add	*288.98*	
33 14 13 13-1143	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	437.93	53.21
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*110.74*	
		For Cement Mortar Lining (CML), Add	*35.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*64.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.79*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.90*	
		For Class 51, Add	*49.70*	
		For Class 52, Add	*107.43*	
		For Class 53, Add	*194.46*	
		For Class 54, Add	*277.80*	
		For Class 55, Add	*318.85*	
		For Class 56, Add	*359.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1144	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	556.77	56.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*146.28*	
		For Cement Mortar Lining (CML), Add	*47.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.39*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-27.84*	
		For Class 51, Add	*65.38*	
		For Class 52, Add	*141.37*	
		For Class 53, Add	*256.05*	
		For Class 54, Add	*365.88*	
		For Class 55, Add	*419.84*	
		For Class 56, Add	*472.80*	
33 14 13 13-1145		Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1128)*		
33 14 13 13-1146	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	255.77	38.57
		For Cement Mortar Lining (CML), Add	*19.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1147	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	370.69	56.90
		For Cement Mortar Lining (CML), Add	*28.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1148	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	496.97	67.57
		For Cement Mortar Lining (CML), Add	*39.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	750.53	74.50
		For Cement Mortar Lining (CML), Add	*59.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*107.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	969.76	87.41
		For Cement Mortar Lining (CML), Add	*78.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*142.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,933.37	98.04
		For Cement Mortar Lining (CML), Add	*173.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,185.41	112.08
		For Cement Mortar Lining (CML), Add	*195.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*351.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	3,407.53	156.92
		For Cement Mortar Lining (CML), Add	*308.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*555.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*231.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1154	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	3,830.04	197.79
		For Cement Mortar Lining (CML), Add	*343.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*618.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.59*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1155	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	4,782.33	247.26
		For Cement Mortar Lining (CML), Add	*428.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*771.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1156		Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1128)*		
33 14 13 13-1157	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	210.91	38.57
		For Cement Mortar Lining (CML), Add	*15.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*27.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1158	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	310.36	56.90
		For Cement Mortar Lining (CML), Add	*22.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1159	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	432.05	67.57
		For Cement Mortar Lining (CML), Add	*32.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1160	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	660.91	74.50
		For Cement Mortar Lining (CML), Add	*50.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*91.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1161	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	855.56	87.41
		For Cement Mortar Lining (CML), Add	*67.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1162	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,220.30	98.04
		For Cement Mortar Lining (CML), Add	*101.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*183.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1163	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,812.03	112.08
		For Cement Mortar Lining (CML), Add	*158.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*284.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*118.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1164	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,079.23	156.92
		For Cement Mortar Lining (CML), Add	*175.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*315.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1165	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	2,920.60	197.79
		For Cement Mortar Lining (CML), Add	*252.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*454.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*189.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1166	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	3,624.02	247.26
		For Cement Mortar Lining (CML), Add	*312.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*563.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*234.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1167		Push-On Joint Ductile Iron Tee *(33 14 13 13-1128)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1168	EA	4" Tee, Push-On Joint Ductile Iron	391.35	56.90
		For Cement Mortar Lining (CML), Add	*30.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1169	EA	6" Tee, Push-On Joint Ductile Iron	544.22	83.61
		For Cement Mortar Lining (CML), Add	*41.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1170	EA	8" Tee, Push-On Joint Ductile Iron	745.55	101.34
		For Cement Mortar Lining (CML), Add	*59.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*106.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1171	EA	10" Tee, Push-On Joint Ductile Iron	1,101.15	113.22
		For Cement Mortar Lining (CML), Add	*93.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1172	EA	12" Tee, Push-On Joint Ductile Iron	1,372.61	130.54
		For Cement Mortar Lining (CML), Add	*117.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*211.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1173	EA	14" Tee, Push-On Joint Ductile Iron	2,218.90	156.92
		For Cement Mortar Lining (CML), Add	*198.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	16" Tee, Push-On Joint Ductile Iron	3,212.01	196.20
		For Cement Mortar Lining (CML), Add	*291.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*524.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*218.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	18" Tee, Push-On Joint Ductile Iron	4,034.80	261.74
		For Cement Mortar Lining (CML), Add	*363.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*654.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*272.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1176	EA	20" Tee, Push-On Joint Ductile Iron	4,752.98	319.37
		For Cement Mortar Lining (CML), Add	*426.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1177	EA	24" Tee, Push-On Joint Ductile Iron	6,228.21	399.19
		For Cement Mortar Lining (CML), Add	*562.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,012.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*421.76*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1178 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1128)*

33 14 13 13-1179	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	431.30	133.81
		For Cement Mortar Lining (CML), Add	*22.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1180	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	528.05	165.67
		For Cement Mortar Lining (CML), Add	*27.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1181	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	691.10	193.22
		For Cement Mortar Lining (CML), Add	*39.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1182	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	944.04	280.20
		For Cement Mortar Lining (CML), Add	*51.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1183	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,143.22	320.28
		For Cement Mortar Lining (CML), Add	*65.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1184	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,319.07	344.85
		For Cement Mortar Lining (CML), Add	*79.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*143.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1185	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,570.42	373.60
		For Cement Mortar Lining (CML), Add	*100.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*180.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1186	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,856.79	448.32
		For Cement Mortar Lining (CML), Add	*117.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*211.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1187	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,157.39	498.14
		For Cement Mortar Lining (CML), Add	*140.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*252.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1188	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,706.41	574.79
		For Cement Mortar Lining (CML), Add	*183.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1189	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,339.31	689.70
		For Cement Mortar Lining (CML), Add	*329.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*592.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*247.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1190	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,006.66	862.12
		For Cement Mortar Lining (CML), Add	*470.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*846.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*352.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1191	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	7,595.87	996.28
		For Cement Mortar Lining (CML), Add	*608.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,095.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*456.48*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1192	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	9,694.39	1,280.89
		For Cement Mortar Lining (CML), Add	*775.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,395.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*581.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1193	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	11,780.59	1,494.75
		For Cement Mortar Lining (CML), Add	*951.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,712.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*713.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1194		**Push-On Joint Ductile Iron Pipe And Fitting Restraints** *(33 14 13 13-1128)*		
		Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1195	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	51.82	20.83
33 14 13 13-1196	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	67.91	27.18
33 14 13 13-1197	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	88.36	27.71
33 14 13 13-1198	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	104.46	29.43
33 14 13 13-1199	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	124.21	32.69
33 14 13 13-1200	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	156.76	36.77
33 14 13 13-1201	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	184.92	42.03
33 14 13 13-1202	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	208.40	45.53
33 14 13 13-1203	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	243.05	54.64
33 14 13 13-1204	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	292.01	56.75
33 14 13 13-1205	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	374.57	63.05
33 14 13 13-1206	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	488.88	68.29
33 14 13 13-1207	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	603.75	74.72
33 14 13 13-1208	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	712.39	84.06
33 14 13 13-1209	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	984.69	91.15
33 14 13 13-1210		**Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)** *(33 14 13 13-1128)*		
33 14 13 13-1211	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	242.15	76.41
33 14 13 13-1212	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	319.27	93.29
33 14 13 13-1213	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	410.91	113.78
33 14 13 13-1214	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	618.34	138.80
33 14 13 13-1215	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	766.89	169.26
33 14 13 13-1216	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,319.76	206.50
33 14 13 13-1217	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,507.14	252.01
33 14 13 13-1218	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,711.52	307.38
33 14 13 13-1219	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,325.38	375.08
33 14 13 13-1220	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,965.34	457.49
33 14 13 13-1221	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,111.85	558.25
33 14 13 13-1222	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,249.99	680.98
33 14 13 13-1223	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,158.75	830.87
33 14 13 13-1224	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,021.70	1,013.60
33 14 13 13-1225		**Ductile Iron Pipe Repair** *(33 14 13 13-0001)*		
		See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1226		**Ductile Iron Pipe Repair** *(33 14 13 13-1225)*		
		Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1227	EA	30" Diameter Mechanical Ductile Iron Push Joint	3,846.51	
33 14 13 13-1228	EA	36" Diameter Mechanical Ductile Iron Push Joint	4,901.54	
33 14 13 13-1229	EA	42" Diameter Mechanical Ductile Iron Push Joint	6,259.64	
33 14 13 13-1230	EA	48" Diameter Mechanical Ductile Iron Push Joint	7,873.76	
33 14 13 13-1231	EA	54" Diameter Mechanical Ductile Iron Push Joint	11,466.84	
33 14 13 13-1232		**WEKO Seals** *(33 14 13 13-1225)*		
		Note: Internal joint seal.		
33 14 13 13-1233	EA	16" WEKO Internal Joint Seal	2,215.05	202.52
		For Extra Wide Seals, Add	*85.34*	
33 14 13 13-1234	EA	18" WEKO Internal Joint Seal	2,360.41	213.86
		For Extra Wide Seals, Add	*86.21*	
33 14 13 13-1235	EA	20" WEKO Internal Joint Seal	2,505.60	225.18
		For Extra Wide Seals, Add	*87.06*	
33 14 13 13-1236	EA	24" WEKO Internal Joint Seal	2,653.14	243.19
		For Extra Wide Seals, Add	*88.42*	
33 14 13 13-1237	EA	30" WEKO Internal Joint Seal	2,735.68	261.21
		For Extra Wide Seals, Add	*89.79*	
33 14 13 13-1238	EA	36" WEKO Internal Joint Seal	2,867.29	283.72
		For Extra Wide Seals, Add	*91.49*	
33 14 13 13-1239	EA	42" WEKO Internal Joint Seal	3,054.49	310.75
		For Extra Wide Seals, Add	*93.54*	
33 14 13 13-1240	EA	48" WEKO Internal Joint Seal	3,299.84	333.27
		For Extra Wide Seals, Add	*95.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1241	EA	54" WEKO Internal Joint Seal	3,421.37	351.28
		For Extra Wide Seals, Add	*96.61*	
33 14 13 13-1242	EA	60" WEKO Internal Joint Seal	3,563.07	378.30
		For Extra Wide Seals, Add	*98.66*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.70	0.86
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0004	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.04	0.92
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.11*	
33 14 13 23-0005	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.67	1.01
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.17*	
33 14 13 23-0006	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.36	1.11
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.24*	
33 14 13 23-0007	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.03	1.25
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.44*	
33 14 13 23-0008	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.17	1.42
		For >1,000, Deduct	*-0.41*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.69*	
33 14 13 23-0009	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.37	1.62
		For >1,000, Deduct	*-0.52*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.95*	
33 14 13 23-0010	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	15.31	2.00
		For >1,000, Deduct	*-0.77*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.55*	
33 14 13 23-0011	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	28.84	2.53
		For >1,000, Deduct	*-1.44*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.38*	
33 14 13 23-0012	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	46.61	3.39
		For >1,000, Deduct	*-2.33*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.72*	
33 14 13 23-0013	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	70.62	4.53
		For >1,000, Deduct	*-3.53*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*8.90*	
33 14 13 23-0014	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	98.79	6.09
		For >1,000, Deduct	*-4.94*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*12.53*	

33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0001)*

33 14 13 23-0016	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	26.37	10.30
33 14 13 23-0017	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	33.54	12.87
33 14 13 23-0018	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	42.52	16.09
33 14 13 23-0019	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	77.24	17.80
33 14 13 23-0020	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	82.38	19.95
33 14 13 23-0021	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	99.39	22.63
33 14 13 23-0022	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	113.00	25.97
33 14 13 23-0023	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	164.87	31.89
33 14 13 23-0024	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	248.08	40.52
33 14 13 23-0025	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	426.34	53.19
33 14 13 23-0026	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	512.97	71.17
33 14 13 23-0027	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	674.75	95.79

33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0001)*

33 14 13 23-0029	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	27.25	10.30
33 14 13 23-0030	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	34.17	12.87
33 14 13 23-0031	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	42.90	16.09
33 14 13 23-0032	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	65.72	17.80
33 14 13 23-0033	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	83.45	19.95
33 14 13 23-0034	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	103.74	22.63
33 14 13 23-0035	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	111.16	25.97
33 14 13 23-0036	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	160.91	31.89
33 14 13 23-0037	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	240.08	40.52
33 14 13 23-0038	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	411.10	53.19
33 14 13 23-0039	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	449.81	71.17
33 14 13 23-0040	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	587.33	95.79

33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 14 13 23-0001)*

33 14 13 23-0042	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	39.49	15.44
33 14 13 23-0043	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	50.05	19.41
33 14 13 23-0044	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	63.01	24.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0045	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	101.69	26.82
33 14 13 23-0046	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	117.03	29.81
33 14 13 23-0047	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	137.84	34.00
33 14 13 23-0048	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	174.39	38.85
33 14 13 23-0049	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	235.56	47.89
33 14 13 23-0050	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	427.31	60.88
33 14 13 23-0051	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	663.00	79.79
33 14 13 23-0052	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	739.24	108.67
33 14 13 23-0053	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	902.35	146.23
33 14 13 23-0054		**Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0055	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	17.73	6.87
33 14 13 23-0056	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	24.01	9.23
33 14 13 23-0057	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	32.52	12.12
33 14 13 23-0058	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	52.67	13.41
33 14 13 23-0059	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	57.73	14.91
33 14 13 23-0060	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	65.65	16.94
33 14 13 23-0061	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	77.59	19.43
33 14 13 23-0062	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	111.99	23.89
33 14 13 23-0063	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	167.69	30.44
33 14 13 23-0064	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	308.51	39.89
33 14 13 23-0065	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	344.83	54.39
33 14 13 23-0066	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	431.18	73.12
33 14 13 23-0067		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0068		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0067)*		
33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.14	0.86
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.15*	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.89	0.92
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.24*	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.15	1.11
		For >1,000, Deduct	*-0.26*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.36*	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.32	1.25
		For >1,000, Deduct	*-0.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.48*	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.64	1.42
		For >1,000, Deduct	*-0.43*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.77*	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.67	1.62
		For >1,000, Deduct	*-0.53*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.99*	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	14.50	2.00
		For >1,000, Deduct	*-0.73*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.43*	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	22.96	2.53
		For >1,000, Deduct	*-1.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.49*	
33 14 13 23-0077		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0078	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	26.69	10.30
33 14 13 23-0079	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	33.73	12.87
33 14 13 23-0080	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.14	17.80
33 14 13 23-0081	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	53.79	19.95
33 14 13 23-0082	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	67.27	22.63
33 14 13 23-0083	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	77.86	25.97
33 14 13 23-0084	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	106.05	31.89
33 14 13 23-0085	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	185.09	40.52
33 14 13 23-0086		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0087	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	26.61	10.30
33 14 13 23-0088	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	33.65	12.87
33 14 13 23-0089	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.17	17.80
33 14 13 23-0090	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	53.49	19.95
33 14 13 23-0091	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	66.45	22.63
33 14 13 23-0092	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	76.89	25.97
33 14 13 23-0093	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	104.11	31.89
33 14 13 23-0094	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	178.90	40.52
33 14 13 23-0095		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0067)*		
33 14 13 23-0096	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	39.82	15.44
33 14 13 23-0097	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	50.31	19.41
33 14 13 23-0098	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	70.33	26.82
33 14 13 23-0099	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	79.61	29.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0100	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	101.38	34.00
33 14 13 23-0101	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	120.73	38.85
33 14 13 23-0102	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	151.17	47.89
33 14 13 23-0103	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	283.58	60.88
33 14 13 23-0104		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0067)*		
33 14 13 23-0105	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	17.88	6.87
33 14 13 23-0106	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.13	9.23
33 14 13 23-0107	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	34.97	13.41
33 14 13 23-0108	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	39.79	14.91
33 14 13 23-0109	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	47.82	16.94
33 14 13 23-0110	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	56.93	19.43
33 14 13 23-0111	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	70.86	23.89
33 14 13 23-0112	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	114.21	30.44
33 14 13 23-0113		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0114	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	53.39	20.59
33 14 13 23-0115	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	66.99	25.84
33 14 13 23-0116	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	93.75	35.72
33 14 13 23-0117	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	106.13	39.79
33 14 13 23-0118	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	135.08	45.26
33 14 13 23-0119	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	160.84	51.84
33 14 13 23-0120	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	201.37	63.78
33 14 13 23-0121	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	377.33	81.14
33 14 13 23-0122		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0123		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0122)*		
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.37	0.92
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.31*	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.12	1.11
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.50*	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.96	1.25
		For >1,000, Deduct	*-0.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.73*	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	10.76	1.42
		For >1,000, Deduct	*-0.54*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.08*	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	13.64	1.62
		For >1,000, Deduct	*-0.68*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.44*	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	19.05	2.00
		For >1,000, Deduct	*-0.95*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.11*	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	33.09	2.53
		For >1,000, Deduct	*-1.65*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*4.01*	
33 14 13 23-0131		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0132	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.25	12.87
33 14 13 23-0133	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	47.14	17.80
33 14 13 23-0134	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	56.31	19.95
33 14 13 23-0135	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	72.63	22.63
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	82.83	25.97
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	107.25	31.89
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	179.42	40.52
33 14 13 23-0139		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	46.58	12.87
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	57.09	17.80
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	65.88	19.95
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	90.57	22.63
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	106.19	25.97
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	154.22	31.89
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	176.28	40.52
33 14 13 23-0147		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0122)*		
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.60	19.41
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	86.39	26.82
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	98.76	29.81
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	111.52	34.00
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	130.43	38.85
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	158.16	47.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	283.32	60.88
33 14 13 23-0155		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0122)*		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.91	9.23
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	41.46	13.41
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	45.89	14.91
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	63.50	16.94
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	72.74	19.43
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	90.07	23.89
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	141.04	30.44
33 14 13 23-0163		**Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.02	25.84
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	115.07	35.72
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	131.55	39.79
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	148.54	45.26
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	173.71	51.84
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	210.64	63.78
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	377.00	81.14
33 14 13 23-0171		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0172		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0173	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.21	4.04
33 14 13 23-0174	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.17	4.89
33 14 13 23-0175	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.00	5.51
33 14 13 23-0176	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	28.82	6.12
33 14 13 23-0177	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	37.16	6.85
33 14 13 23-0178		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0179	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.33	4.04
33 14 13 23-0180	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	18.49	4.89
33 14 13 23-0181	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	25.91	5.51
33 14 13 23-0182	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	34.90	6.12
33 14 13 23-0183	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	45.65	6.85
33 14 13 23-0184		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0185	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.43	4.04
33 14 13 23-0186	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	20.80	4.89
33 14 13 23-0187	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	29.83	5.51
33 14 13 23-0188	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	40.85	6.12
33 14 13 23-0189	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	54.14	6.85
33 14 13 23-0190		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0191	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	58.28	10.29
33 14 13 23-0192	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	71.02	12.25
33 14 13 23-0193	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	95.11	14.69
33 14 13 23-0194	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	137.00	17.14
33 14 13 23-0195	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	188.69	19.59
33 14 13 23-0196	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	238.70	20.82
33 14 13 23-0197	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	301.93	22.40
33 14 13 23-0198		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0199	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	43.03	7.72
33 14 13 23-0200	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	53.88	8.57
33 14 13 23-0201	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	66.78	10.29
33 14 13 23-0202	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	82.06	12.25
33 14 13 23-0203	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	112.13	14.69
33 14 13 23-0204	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	161.42	17.14
33 14 13 23-0205	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	221.40	19.59
33 14 13 23-0206	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	293.08	20.82
33 14 13 23-0207	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	372.49	22.40
33 14 13 23-0208		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0209	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	49.57	7.72
33 14 13 23-0210	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	62.96	8.57
33 14 13 23-0211	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	78.06	10.29
33 14 13 23-0212	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	96.69	12.25
33 14 13 23-0213	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	133.15	14.69
33 14 13 23-0214	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	192.98	17.14
33 14 13 23-0215	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	267.48	19.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0216	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	347.67	20.82
33 14 13 23-0217	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	443.73	22.40
33 14 13 23-0218		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0219	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	60.75	7.72
33 14 13 23-0220	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	76.24	8.57
33 14 13 23-0221	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	95.16	10.29
33 14 13 23-0222	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	117.34	12.25
33 14 13 23-0223	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	162.93	14.69
33 14 13 23-0224	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	239.72	17.14
33 14 13 23-0225	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	339.33	19.59
33 14 13 23-0226	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	453.05	20.82
33 14 13 23-0227	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	585.14	22.40
33 14 13 23-0228		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0229	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	69.16	7.72
33 14 13 23-0230	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	87.17	8.57
33 14 13 23-0231	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	108.95	10.29
33 14 13 23-0232	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	134.52	12.25
33 14 13 23-0233	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	187.63	14.69
33 14 13 23-0234	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	277.73	17.14
33 14 13 23-0235	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	394.86	19.59
33 14 13 23-0236	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	529.15	20.82
33 14 13 23-0237		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0238	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	77.35	7.72
33 14 13 23-0239	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	97.81	8.57
33 14 13 23-0240	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	122.36	10.29
33 14 13 23-0241	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	151.23	12.25
33 14 13 23-0242	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	211.67	14.69
33 14 13 23-0243	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	314.71	17.14
33 14 13 23-0244	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	448.88	19.59
33 14 13 23-0245		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)* Note: Includes rubber gaskets.		
33 14 13 23-0246		**90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0247	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	205.56	12.87
		For DR 25, Deduct	*-10.79*	
33 14 13 23-0248	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	421.49	14.48
		For DR 25, Deduct	*-23.55*	
33 14 13 23-0249	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	633.42	16.09
		For DR 25, Deduct	*-36.07*	
33 14 13 23-0250	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	966.93	25.40
		For DR 25, Deduct	*-54.97*	
33 14 13 23-0251	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,257.72	42.33
		For DR 25, Deduct	*-70.39*	
33 14 13 23-0252	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,889.52	52.91
		For DR 25, Deduct	*-107.02*	
33 14 13 23-0253	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,254.87	63.49
		For DR 25, Deduct	*-127.67*	
33 14 13 23-0254	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,870.93	84.65
		For DR 25, Deduct	*-222.10*	
33 14 13 23-0255	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,765.14	105.81
		For DR 25, Deduct	*-273.21*	
33 14 13 23-0256	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,912.28	142.85
		For DR 25, Deduct	*-457.59*	
33 14 13 23-0257		**45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0258	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	182.09	12.87
		For DR 25, Deduct	*-9.38*	
33 14 13 23-0259	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	315.00	14.48
		For DR 25, Deduct	*-17.16*	
33 14 13 23-0260	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	399.30	16.09
		For DR 25, Deduct	*-22.03*	
33 14 13 23-0261	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	564.31	25.40
		For DR 25, Deduct	*-30.81*	
33 14 13 23-0262	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	753.90	42.33
		For DR 25, Deduct	*-40.16*	
33 14 13 23-0263	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,451.26	52.91
		For DR 25, Deduct	*-80.73*	
33 14 13 23-0264	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,839.70	63.49
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0265	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,176.79	84.65
		For DR 25, Deduct	*-180.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0266	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,945.67	105.81
		For DR 25, Deduct	*-224.04*	
33 14 13 23-0267	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,568.55	142.85
		For DR 25, Deduct	*-316.97*	
33 14 13 23-0268		**22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0269	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	179.23	12.87
		For DR 25, Deduct	*-9.21*	
33 14 13 23-0270	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	315.01	14.48
		For DR 25, Deduct	*-17.16*	
33 14 13 23-0271	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	399.30	16.09
		For DR 25, Deduct	*-22.03*	
33 14 13 23-0272	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	564.32	25.40
		For DR 25, Deduct	*-30.81*	
33 14 13 23-0273	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	753.91	42.33
		For DR 25, Deduct	*-40.16*	
33 14 13 23-0274	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,447.01	50.79
		For DR 25, Deduct	*-80.73*	
33 14 13 23-0275	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,839.68	63.49
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0276	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,176.79	84.65
		For DR 25, Deduct	*-180.45*	
33 14 13 23-0277	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,945.67	105.81
		For DR 25, Deduct	*-224.04*	
33 14 13 23-0278	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,568.55	142.85
		For DR 25, Deduct	*-316.97*	
33 14 13 23-0279		**11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0280	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	158.21	12.87
		For DR 25, Deduct	*-7.95*	
33 14 13 23-0281	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	315.01	14.48
		For DR 25, Deduct	*-17.16*	
33 14 13 23-0282	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	399.30	16.09
		For DR 25, Deduct	*-22.03*	
33 14 13 23-0283	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	564.32	25.40
		For DR 25, Deduct	*-30.81*	
33 14 13 23-0284	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	753.91	42.33
		For DR 25, Deduct	*-40.16*	
33 14 13 23-0285	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,447.01	50.79
		For DR 25, Deduct	*-80.73*	
33 14 13 23-0286	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,839.68	63.49
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0287	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,176.79	84.65
		For DR 25, Deduct	*-180.45*	
33 14 13 23-0288	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,945.67	105.81
		For DR 25, Deduct	*-224.04*	
33 14 13 23-0289	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,568.55	142.85
		For DR 25, Deduct	*-316.97*	
33 14 13 23-0290		**Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0291	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	244.35	14.48
		For DR 25, Deduct	*-12.92*	
33 14 13 23-0292	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	472.51	16.09
		For DR 25, Deduct	*-26.42*	
33 14 13 23-0293	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	659.59	18.23
		For DR 25, Deduct	*-37.39*	
33 14 13 23-0294	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,359.87	31.75
		For DR 25, Deduct	*-77.78*	
33 14 13 23-0295	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,658.23	63.49
		For DR 25, Deduct	*-91.88*	
33 14 13 23-0296	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,997.03	79.36
		For DR 25, Deduct	*-170.30*	
33 14 13 23-0297	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,712.30	95.23
		For DR 25, Deduct	*-211.31*	
33 14 13 23-0298	EA	18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,683.63	126.98
		For DR 25, Deduct	*-265.78*	
33 14 13 23-0299	EA	20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,624.06	158.73
		For DR 25, Deduct	*-318.40*	
33 14 13 23-0300	EA	24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,722.92	107.94
		For DR 25, Deduct	*-450.42*	
33 14 13 23-0301		**Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0302	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	470.25	20.91
		For DR 25, Deduct	*-25.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0303	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	639.94	22.52
		For DR 25, Deduct	*-35.69*	
33 14 13 23-0304	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	655.96	23.33
		For DR 25, Deduct	*-36.56*	
33 14 13 23-0305	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	850.73	31.75
		For DR 25, Deduct	*-47.23*	
33 14 13 23-0306	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,152.83	32.54
		For DR 25, Deduct	*-65.27*	
33 14 13 23-0307	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,233.37	33.33
		For DR 25, Deduct	*-70.00*	
33 14 13 23-0308	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,306.74	48.68
		For DR 25, Deduct	*-72.56*	
33 14 13 23-0309	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,500.42	49.47
		For DR 25, Deduct	*-84.09*	
33 14 13 23-0310	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,591.92	50.26
		For DR 25, Deduct	*-89.48*	
33 14 13 23-0311	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,621.67	55.02
		For DR 25, Deduct	*-90.70*	
33 14 13 23-0312	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,464.48	57.14
		For DR 25, Deduct	*-141.01*	
33 14 13 23-0313	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,563.70	57.94
		For DR 25, Deduct	*-146.87*	
33 14 13 23-0314	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,663.17	58.72
		For DR 25, Deduct	*-152.74*	
33 14 13 23-0315	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,770.01	63.49
		For DR 25, Deduct	*-158.58*	
33 14 13 23-0316	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,884.63	71.95
		For DR 25, Deduct	*-164.44*	
33 14 13 23-0317	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,075.67	69.84
		For DR 25, Deduct	*-176.16*	
33 14 13 23-0318	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,173.27	69.84
		For DR 25, Deduct	*-182.02*	
33 14 13 23-0319	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,272.51	70.63
		For DR 25, Deduct	*-187.88*	
33 14 13 23-0320	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,371.75	71.43
		For DR 25, Deduct	*-193.73*	
33 14 13 23-0321	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,495.82	84.65
		For DR 25, Deduct	*-199.59*	
33 14 13 23-0322	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,601.91	88.88
		For DR 25, Deduct	*-205.45*	
33 14 13 23-0323	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,800.73	91.01
		For DR 25, Deduct	*-217.12*	
33 14 13 23-0324	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,900.64	91.79
		For DR 25, Deduct	*-223.02*	
33 14 13 23-0325	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,999.87	92.59
		For DR 25, Deduct	*-228.88*	
33 14 13 23-0326	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,107.02	97.35
		For DR 25, Deduct	*-234.74*	
33 14 13 23-0327	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,221.54	105.81
		For DR 25, Deduct	*-240.59*	
33 14 13 23-0328	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,326.98	110.05
		For DR 25, Deduct	*-246.41*	
33 14 13 23-0329	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,460.91	116.40
		For DR 25, Deduct	*-253.69*	
33 14 13 23-0330	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,820.71	112.16
		For DR 25, Deduct	*-275.78*	
33 14 13 23-0331	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,989.02	112.96
		For DR 25, Deduct	*-285.79*	
33 14 13 23-0332	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,055.24	113.75
		For DR 25, Deduct	*-289.66*	
33 14 13 23-0333	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,129.47	118.52
		For DR 25, Deduct	*-293.55*	
33 14 13 23-0334	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,211.06	126.98
		For DR 25, Deduct	*-297.43*	
33 14 13 23-0335	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,324.35	131.21
		For DR 25, Deduct	*-303.72*	
33 14 13 23-0336	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,441.88	137.56
		For DR 25, Deduct	*-310.01*	
33 14 13 23-0337	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,532.97	148.14
		For DR 25, Deduct	*-314.20*	
33 14 13 23-0338	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,674.91	149.20
		For DR 25, Deduct	*-322.59*	
33 14 13 23-0339	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,746.44	149.99
		For DR 25, Deduct	*-326.79*	
33 14 13 23-0340	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,817.96	150.79
		For DR 25, Deduct	*-330.98*	
33 14 13 23-0341	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,111.87	155.55
		For DR 25, Deduct	*-348.05*	
33 14 13 23-0342	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,413.16	164.01
		For DR 25, Deduct	*-365.11*	
33 14 13 23-0343	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,706.00	168.25
		For DR 25, Deduct	*-382.17*	
33 14 13 23-0344	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,003.09	174.59
		For DR 25, Deduct	*-399.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0345	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,308.64	185.18
		For DR 25, Deduct	*-416.30*	
33 14 13 23-0346	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,614.18	195.76
		For DR 25, Deduct	*-433.36*	
33 14 13 23-0347		**Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0348	EA	4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	338.68	25.74
		For DR 25, Deduct	*-17.23*	
33 14 13 23-0349	EA	6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	609.10	28.96
		For DR 25, Deduct	*-33.07*	
33 14 13 23-0350	EA	8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	843.64	32.17
		For DR 25, Deduct	*-46.76*	
33 14 13 23-0351	EA	10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,721.36	50.79
		For DR 25, Deduct	*-97.19*	
33 14 13 23-0352	EA	12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,041.42	63.49
		For DR 25, Deduct	*-114.87*	
33 14 13 23-0353	EA	14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,717.38	84.65
		For DR 25, Deduct	*-212.88*	
33 14 13 23-0354	EA	16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,613.21	105.81
		For DR 25, Deduct	*-264.10*	
33 14 13 23-0355	EA	18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,876.53	169.31
		For DR 25, Deduct	*-332.27*	
33 14 13 23-0356	EA	20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,056.62	211.63
		For DR 25, Deduct	*-398.00*	
33 14 13 23-0357	EA	24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,954.67	285.70
		For DR 25, Deduct	*-563.00*	
33 14 13 23-0358		**Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0359	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	590.66	27.35
		For DR 25, Deduct	*-32.16*	
33 14 13 23-0360	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	802.46	28.96
		For DR 25, Deduct	*-44.67*	
33 14 13 23-0361	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	822.93	30.56
		For DR 25, Deduct	*-45.71*	
33 14 13 23-0362	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,234.04	38.09
		For DR 25, Deduct	*-69.47*	
33 14 13 23-0363	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,439.23	39.68
		For DR 25, Deduct	*-81.59*	
33 14 13 23-0364	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,581.20	41.27
		For DR 25, Deduct	*-89.92*	
33 14 13 23-0365	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,622.28	55.02
		For DR 25, Deduct	*-90.73*	
33 14 13 23-0366	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,865.00	56.61
		For DR 25, Deduct	*-105.11*	
33 14 13 23-0367	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,980.59	58.20
		For DR 25, Deduct	*-111.85*	
33 14 13 23-0368	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,024.82	67.72
		For DR 25, Deduct	*-113.36*	
33 14 13 23-0369	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,064.71	63.49
		For DR 25, Deduct	*-176.26*	
33 14 13 23-0370	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,189.56	65.08
		For DR 25, Deduct	*-183.56*	
33 14 13 23-0371	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,315.76	66.67
		For DR 25, Deduct	*-190.95*	
33 14 13 23-0372	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,457.32	76.19
		For DR 25, Deduct	*-198.30*	
33 14 13 23-0373	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,612.76	93.12
		For DR 25, Deduct	*-205.59*	
33 14 13 23-0374	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,821.79	76.19
		For DR 25, Deduct	*-220.16*	
33 14 13 23-0375	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,948.29	77.78
		For DR 25, Deduct	*-227.56*	
33 14 13 23-0376	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,073.44	79.36
		For DR 25, Deduct	*-234.88*	
33 14 13 23-0377	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,214.88	88.88
		For DR 25, Deduct	*-242.23*	
33 14 13 23-0378	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,283.40	105.81
		For DR 25, Deduct	*-244.31*	
33 14 13 23-0379	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,509.12	114.28
		For DR 25, Deduct	*-256.83*	
33 14 13 23-0380	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,718.73	97.35
		For DR 25, Deduct	*-271.44*	
33 14 13 23-0381	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,844.92	98.94
		For DR 25, Deduct	*-278.82*	
33 14 13 23-0382	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,970.26	100.53
		For DR 25, Deduct	*-286.15*	
33 14 13 23-0383	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,109.88	110.05
		For DR 25, Deduct	*-293.39*	
33 14 13 23-0384	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,266.78	126.98
		For DR 25, Deduct	*-300.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0385	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,405.30	135.45
		For DR 25, Deduct	*-308.06*	
33 14 13 23-0386	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,582.01	148.14
		For DR 25, Deduct	*-317.14*	
33 14 13 23-0387	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,983.09	118.52
		For DR 25, Deduct	*-344.76*	
33 14 13 23-0388	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,194.30	120.11
		For DR 25, Deduct	*-357.25*	
33 14 13 23-0389	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,278.87	121.69
		For DR 25, Deduct	*-362.13*	
33 14 13 23-0390	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,378.45	131.21
		For DR 25, Deduct	*-366.96*	
33 14 13 23-0391	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,492.85	148.14
		For DR 25, Deduct	*-371.79*	
33 14 13 23-0392	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,639.90	156.60
		For DR 25, Deduct	*-379.60*	
33 14 13 23-0393	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,798.03	169.31
		For DR 25, Deduct	*-387.56*	
33 14 13 23-0394	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,927.49	190.47
		For DR 25, Deduct	*-392.79*	
33 14 13 23-0395	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,992.93	155.55
		For DR 25, Deduct	*-400.91*	
33 14 13 23-0396	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,122.78	157.14
		For DR 25, Deduct	*-408.51*	
33 14 13 23-0397	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,213.72	158.73
		For DR 25, Deduct	*-413.78*	
33 14 13 23-0398	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,587.83	168.25
		For DR 25, Deduct	*-435.08*	
33 14 13 23-0399	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,976.87	185.18
		For DR 25, Deduct	*-456.39*	
33 14 13 23-0400	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,348.92	193.65
		For DR 25, Deduct	*-477.70*	
33 14 13 23-0401	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,730.97	206.34
		For DR 25, Deduct	*-499.10*	
33 14 13 23-0402	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,127.66	227.51
		For DR 25, Deduct	*-520.36*	
33 14 13 23-0403	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,525.86	248.67
		For DR 25, Deduct	*-541.71*	

33 14 13 23-0404 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0405	EA	4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	122.59	12.87
		For DR 25, Deduct	*-5.81*	
33 14 13 23-0406	EA	6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	228.86	14.48
		For DR 25, Deduct	*-11.99*	
33 14 13 23-0407	EA	8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	275.52	16.09
		For DR 25, Deduct	*-14.60*	
33 14 13 23-0408	EA	10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	391.19	25.40
		For DR 25, Deduct	*-20.42*	
33 14 13 23-0409	EA	12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	622.81	31.75
		For DR 25, Deduct	*-33.56*	
33 14 13 23-0410	EA	14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,081.33	42.33
		For DR 25, Deduct	*-59.80*	
33 14 13 23-0411	EA	16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,280.77	52.91
		For DR 25, Deduct	*-70.50*	
33 14 13 23-0412	EA	18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,068.77	84.65
		For DR 25, Deduct	*-173.97*	
33 14 13 23-0413	EA	20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,439.63	105.81
		For DR 25, Deduct	*-193.68*	
33 14 13 23-0414	EA	24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,843.45	142.85
		For DR 25, Deduct	*-273.47*	

33 14 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0416	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	152.08	12.87
		For DR 25, Deduct	*-7.58*	
33 14 13 23-0417	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	206.73	14.48
		For DR 25, Deduct	*-10.67*	
33 14 13 23-0418	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	300.72	16.09
		For DR 25, Deduct	*-16.11*	
33 14 13 23-0419	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	410.85	25.40
		For DR 25, Deduct	*-21.60*	
33 14 13 23-0420	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	658.29	42.33
		For DR 25, Deduct	*-34.42*	
33 14 13 23-0421	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,751.15	50.79
		For DR 25, Deduct	*-98.97*	
33 14 13 23-0422	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,370.78	63.49
		For DR 25, Deduct	*-134.63*	
33 14 13 23-0423	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,920.75	84.65
		For DR 25, Deduct	*-165.09*	
33 14 13 23-0424	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,489.20	105.81
		For DR 25, Deduct	*-196.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0425	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,740.02	142.85
		For DR 25, Deduct	*-267.26*	
33 14 13 23-0426		**AWWA C906, High Density Polyethylene (HDPE) Pressure Piping** *(33 14 13 23)*		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427		**High Density Polyethylene (HDPE) Pressure Pipe** *(33 14 13 23-0426)*		
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.63	3.18
		For SDR 19, Add	*0.29*	
		For SDR 17, Add	*0.71*	
		For SDR 15.5, Add	*1.04*	
		For SDR 13.5, Add	*1.63*	
		For SDR 11, Add	*2.62*	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.64	4.04
		For SDR 26, Deduct	*-0.29*	
		For SDR 19, Add	*0.14*	
		For SDR 17, Add	*0.35*	
		For SDR 15.5, Add	*0.51*	
		For SDR 13.5, Add	*0.79*	
		For SDR 11, Add	*1.28*	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	13.18	4.89
		For SDR 26, Deduct	*-0.62*	
		For SDR 19, Add	*0.30*	
		For SDR 17, Add	*0.75*	
		For SDR 15.5, Add	*1.10*	
		For SDR 13.5, Add	*1.72*	
		For SDR 11, Add	*2.76*	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	16.75	5.51
		For SDR 26, Deduct	*-1.05*	
		For SDR 19, Add	*0.52*	
		For SDR 17, Add	*1.27*	
		For SDR 15.5, Add	*1.86*	
		For SDR 13.5, Add	*2.91*	
		For SDR 11, Add	*4.68*	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.16	6.12
		For SDR 26, Deduct	*-1.63*	
		For SDR 19, Add	*0.80*	
		For SDR 17, Add	*1.98*	
		For SDR 15.5, Add	*2.90*	
		For SDR 13.5, Add	*4.53*	
		For SDR 11, Add	*7.28*	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.44	6.85
		For SDR 26, Deduct	*-2.36*	
		For SDR 19, Add	*1.16*	
		For SDR 17, Add	*2.86*	
		For SDR 15.5, Add	*4.18*	
		For SDR 13.5, Add	*6.53*	
		For SDR 11, Add	*10.50*	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	30.41	7.72
		For SDR 26, Deduct	*-2.77*	
		For SDR 19, Add	*1.36*	
		For SDR 17, Add	*3.36*	
		For SDR 15.5, Add	*4.92*	
		For SDR 13.5, Add	*7.67*	
		For SDR 11, Add	*12.35*	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	36.87	8.57
		For SDR 26, Deduct	*-3.62*	
		For SDR 19, Add	*1.78*	
		For SDR 17, Add	*4.38*	
		For SDR 15.5, Add	*6.42*	
		For SDR 13.5, Add	*10.02*	
		For SDR 11, Add	*16.13*	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	45.57	10.29
		For SDR 26, Deduct	*-4.57*	
		For SDR 19, Add	*2.24*	
		For SDR 17, Add	*5.54*	
		For SDR 15.5, Add	*8.12*	
		For SDR 13.5, Add	*12.67*	
		For SDR 11, Add	*20.39*	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	127.61	12.25
		For SDR 26, Deduct	*-18.90*	
		For SDR 19, Add	*9.28*	
		For SDR 17, Add	*22.92*	
		For SDR 15.5, Add	*33.56*	
		For SDR 13.5, Add	*52.38*	
		For SDR 11, Add	*84.31*	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	73.77	14.69
		For SDR 26, Deduct	*-8.13*	
		For SDR 19, Add	*3.99*	
		For SDR 17, Add	*9.86*	
		For SDR 15.5, Add	*14.44*	
		For SDR 13.5, Add	*22.54*	
		For SDR 11, Add	*36.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0439		90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*		
33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	61.37	16.09
		For SDR 26, Deduct	*-2.40*	
		For SDR 19, Add	*1.18*	
		For SDR 17, Add	*2.91*	
		For SDR 15.5, Add	*4.27*	
		For SDR 13.5, Add	*6.66*	
		For SDR 11, Add	*10.72*	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	69.24	17.89
		For SDR 26, Deduct	*-2.86*	
		For SDR 19, Add	*1.41*	
		For SDR 17, Add	*3.47*	
		For SDR 15.5, Add	*5.08*	
		For SDR 13.5, Add	*7.93*	
		For SDR 11, Add	*12.77*	
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	102.79	20.44
		For SDR 26, Deduct	*-7.61*	
		For SDR 19, Add	*3.74*	
		For SDR 17, Add	*9.23*	
		For SDR 15.5, Add	*13.52*	
		For SDR 13.5, Add	*21.10*	
		For SDR 11, Add	*33.96*	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	158.36	23.85
		For SDR 26, Deduct	*-15.92*	
		For SDR 19, Add	*7.81*	
		For SDR 17, Add	*19.29*	
		For SDR 15.5, Add	*28.25*	
		For SDR 13.5, Add	*44.10*	
		For SDR 11, Add	*70.98*	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	240.27	31.85
		For SDR 26, Deduct	*-26.57*	
		For SDR 19, Add	*13.04*	
		For SDR 17, Add	*32.20*	
		For SDR 15.5, Add	*47.16*	
		For SDR 13.5, Add	*73.61*	
		For SDR 11, Add	*118.48*	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	355.19	47.68
		For SDR 26, Deduct	*-38.90*	
		For SDR 19, Add	*19.10*	
		For SDR 17, Add	*47.16*	
		For SDR 15.5, Add	*69.06*	
		For SDR 13.5, Add	*107.79*	
		For SDR 11, Add	*173.50*	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	443.77	63.62
		For SDR 26, Deduct	*-46.37*	
		For SDR 19, Add	*22.77*	
		For SDR 17, Add	*56.22*	
		For SDR 15.5, Add	*82.33*	
		For SDR 13.5, Add	*128.50*	
		For SDR 11, Add	*206.83*	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	588.88	95.34
		For SDR 26, Deduct	*-55.53*	
		For SDR 19, Add	*27.27*	
		For SDR 17, Add	*67.32*	
		For SDR 15.5, Add	*98.59*	
		For SDR 13.5, Add	*153.88*	
		For SDR 11, Add	*247.68*	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	734.07	107.25
		For SDR 26, Deduct	*-75.57*	
		For SDR 19, Add	*37.11*	
		For SDR 17, Add	*91.61*	
		For SDR 15.5, Add	*134.16*	
		For SDR 13.5, Add	*209.41*	
		For SDR 11, Add	*337.06*	
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	988.92	121.73
		For SDR 26, Deduct	*-113.65*	
		For SDR 19, Add	*55.80*	
		For SDR 17, Add	*137.76*	
		For SDR 15.5, Add	*201.75*	
		For SDR 13.5, Add	*314.90*	
		For SDR 11, Add	*506.85*	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,256.71	143.07
		For SDR 26, Deduct	*-151.72*	
		For SDR 19, Add	*74.49*	
		For SDR 17, Add	*183.92*	
		For SDR 15.5, Add	*269.34*	
		For SDR 13.5, Add	*420.39*	
		For SDR 11, Add	*676.65*	
33 14 13 23-0451		Tees, High Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	67.55	16.84
		For SDR 26, Deduct	*-3.14*	
		For SDR 19, Add	*1.54*	
		For SDR 17, Add	*3.81*	
		For SDR 15.5, Add	*5.58*	
		For SDR 13.5, Add	*8.71*	
		For SDR 11, Add	*14.01*	
33 14 13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	77.35	19.07
		For SDR 26, Deduct	*-3.70*	
		For SDR 19, Add	*1.82*	
		For SDR 17, Add	*4.48*	
		For SDR 15.5, Add	*6.57*	
		For SDR 13.5, Add	*10.25*	
		For SDR 11, Add	*16.50*	
33 14 13 23-0454	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	118.71	22.01
		For SDR 26, Deduct	*-9.67*	
		For SDR 19, Add	*4.75*	
		For SDR 17, Add	*11.72*	
		For SDR 15.5, Add	*17.16*	
		For SDR 13.5, Add	*26.79*	
		For SDR 11, Add	*43.11*	
33 14 13 23-0455	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	211.78	26.01
		For SDR 26, Deduct	*-24.53*	
		For SDR 19, Add	*12.04*	
		For SDR 17, Add	*29.73*	
		For SDR 15.5, Add	*43.54*	
		For SDR 13.5, Add	*67.96*	
		For SDR 11, Add	*109.39*	
33 14 13 23-0456	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	290.71	38.18
		For SDR 26, Deduct	*-32.31*	
		For SDR 19, Add	*15.87*	
		For SDR 17, Add	*39.17*	
		For SDR 15.5, Add	*57.36*	
		For SDR 13.5, Add	*89.54*	
		For SDR 11, Add	*144.12*	
33 14 13 23-0457	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	412.34	57.27
		For SDR 26, Deduct	*-44.12*	
		For SDR 19, Add	*21.66*	
		For SDR 17, Add	*53.49*	
		For SDR 15.5, Add	*78.33*	
		For SDR 13.5, Add	*122.26*	
		For SDR 11, Add	*196.78*	
33 14 13 23-0458	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	497.69	71.54
		For SDR 26, Deduct	*-51.91*	
		For SDR 19, Add	*25.49*	
		For SDR 17, Add	*62.92*	
		For SDR 15.5, Add	*92.15*	
		For SDR 13.5, Add	*143.83*	
		For SDR 11, Add	*231.51*	
33 14 13 23-0459	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	658.19	107.25
		For SDR 26, Deduct	*-61.64*	
		For SDR 19, Add	*30.27*	
		For SDR 17, Add	*74.72*	
		For SDR 15.5, Add	*109.43*	
		For SDR 13.5, Add	*170.80*	
		For SDR 11, Add	*274.92*	
33 14 13 23-0460	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	842.04	124.94
		For SDR 26, Deduct	*-85.65*	
		For SDR 19, Add	*42.05*	
		For SDR 17, Add	*103.83*	
		For SDR 15.5, Add	*152.05*	
		For SDR 13.5, Add	*237.33*	
		For SDR 11, Add	*381.99*	
33 14 13 23-0461	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,168.06	147.58
		For SDR 26, Deduct	*-132.04*	
		For SDR 19, Add	*64.83*	
		For SDR 17, Add	*160.07*	
		For SDR 15.5, Add	*234.41*	
		For SDR 13.5, Add	*365.88*	
		For SDR 11, Add	*588.90*	
33 14 13 23-0462	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,509.73	178.89
		For SDR 26, Deduct	*-178.44*	
		For SDR 19, Add	*87.61*	
		For SDR 17, Add	*216.31*	
		For SDR 15.5, Add	*316.77*	
		For SDR 13.5, Add	*494.43*	
		For SDR 11, Add	*795.82*	

33 14 13 23-0463 AWWA C909 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23)*

Note: Includes hub on one end of pipe.

33 14 13 23-0464 AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23-0463)*

33 14 13 23-0465	LF	6" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	18.49	4.89
33 14 13 23-0466	LF	8" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	25.91	5.51
33 14 13 23-0467	LF	10" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	34.90	6.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0468	LF	12" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	45.65	6.85
33 14 13 23-0469		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0470		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0469)*		
33 14 13 23-0471	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	53.82	3.30
33 14 13 23-0472	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	76.53	3.55
33 14 13 23-0473	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	103.30	4.12
33 14 13 23-0474	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	140.67	5.28
33 14 13 23-0475	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	161.02	6.43
33 14 13 23-0476		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0469)*		
33 14 13 23-0477	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	682.81	47.91
33 14 13 23-0478	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,434.29	80.32
33 14 13 23-0479	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,489.99	87.67
33 14 13 23-0480	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	5,886.29	94.85
33 14 13 23-0481	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	7,967.15	102.04
33 14 13 23-0482		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0469)*		
33 14 13 23-0483	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	955.82	47.91
33 14 13 23-0484	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,158.86	80.32
33 14 13 23-0485	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,564.36	87.67
33 14 13 23-0486	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,051.13	94.85
33 14 13 23-0487	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,362.34	102.04
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0469)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,322.56	76.65
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,950.09	114.55
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,576.01	122.17
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,255.36	129.36
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	8,815.56	136.53
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0469)*		
33 14 13 23-0495	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,299.61	72.81
33 14 13 23-0496	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,418.70	103.37
33 14 13 23-0497	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,617.84	108.82
33 14 13 23-0498	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,833.45	104.74
33 14 13 23-0499	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,035.05	110.25
33 14 13 23-0500	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,320.70	116.05
33 14 13 23-0501	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,500.75	105.36
33 14 13 23-0502	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,848.80	110.91
33 14 13 23-0503	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,292.23	116.74
33 14 13 23-0504	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,804.48	122.89
33 14 13 23-0505	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,464.48	105.65
33 14 13 23-0506	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,091.25	111.21
33 14 13 23-0507	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,585.03	117.06
33 14 13 23-0508	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,346.03	123.22
33 14 13 23-0509	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,143.53	129.70
33 14 13 23-0510		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0469)*		
33 14 13 23-0511	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,335.64	76.65
33 14 13 23-0512	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,251.65	114.55
33 14 13 23-0513	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,042.76	122.17
33 14 13 23-0514	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	9,840.40	129.36
33 14 13 23-0515	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	12,278.75	136.53
33 14 13 23-0516		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0469)*		
33 14 13 23-0517	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,163.60	72.81
33 14 13 23-0518	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,620.28	103.37
33 14 13 23-0519	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,875.72	108.82
33 14 13 23-0520	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,158.10	104.74
33 14 13 23-0521	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,277.14	110.25
33 14 13 23-0522	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,754.37	116.05
33 14 13 23-0523	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	4,744.81	105.36
33 14 13 23-0524	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,124.99	110.91
33 14 13 23-0525	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,212.85	122.89
33 14 13 23-0526	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,669.87	105.65
33 14 13 23-0527	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,554.91	111.21
33 14 13 23-0528	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,347.00	117.06
33 14 13 23-0529	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,958.81	123.22
33 14 13 23-0530	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	9,948.70	129.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0531		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0532	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	620.31	47.91
33 14 13 23-0533	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	842.63	80.32
33 14 13 23-0534	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,164.99	87.67
33 14 13 23-0535	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,307.11	94.85
33 14 13 23-0536	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,433.70	102.04
33 14 13 23-0537		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0538	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	842.16	45.51
33 14 13 23-0539	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	620.02	43.23
33 14 13 23-0540	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	861.57	76.30
33 14 13 23-0541	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,661.07	72.49
33 14 13 23-0542	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,548.47	68.86
33 14 13 23-0543	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,216.78	65.42
33 14 13 23-0544	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	769.83	83.28
33 14 13 23-0545	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,226.79	79.12
33 14 13 23-0546	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,877.12	75.16
33 14 13 23-0547	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,624.31	71.39
33 14 13 23-0548	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,490.05	90.10
33 14 13 23-0549	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,937.92	85.59
33 14 13 23-0550	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,316.74	81.32
33 14 13 23-0551	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,175.37	77.26
33 14 13 23-0552	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,009.91	73.39
33 14 13 23-0553	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,753.50	96.94
33 14 13 23-0554		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0555	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	748.96	81.32
33 14 13 23-0556	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,312.89	77.26
33 14 13 23-0557	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	997.62	77.26
33 14 13 23-0558	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,536.03	73.39
33 14 13 23-0559	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,711.56	69.72
33 14 13 23-0560	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,631.71	66.24
33 14 13 23-0561	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,495.53	73.39
33 14 13 23-0562	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,719.22	69.72
33 14 13 23-0563	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,660.81	66.24
33 14 13 23-0564	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,935.99	62.93
33 14 13 23-0565	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,798.17	69.72
33 14 13 23-0566	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,813.98	66.24
33 14 13 23-0567	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,651.70	62.93
33 14 13 23-0568	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,561.33	59.78
33 14 13 23-0569	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,380.42	56.79
33 14 13 23-0570	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,129.69	92.09
33 14 13 23-0571		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges** *(33 14 13 23-0469)*		
33 14 13 23-0572	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	821.94	47.91
33 14 13 23-0573	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	1,891.17	80.32
33 14 13 23-0574	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,755.60	87.67
33 14 13 23-0575	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,095.27	94.85
33 14 13 23-0576	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,827.80	102.04
33 14 13 23-0577	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	25.59	
33 14 13 23-0578	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	33.34	
33 14 13 23-0579	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	45.89	
33 14 13 23-0580	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	98.16	
33 14 13 23-0581	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	174.15	
33 14 13 23-0582	EA	Zinc Coated Flange Hardware Kit	163.53	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0053 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	107.23	28.79
		For <100, Add	*11.91*	
		For >1,000, Deduct	*-5.36*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	127.48	28.79
		For <100, Add	*12.92*	
		For >1,000, Deduct	*-6.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	127.23	31.41
		For <100, Add	*13.50*	
		For >1,000, Deduct	*-6.36*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	152.83	31.41
		For <100, Add	*14.78*	
		For >1,000, Deduct	*-7.64*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	153.38	32.92
		For <100, Add	*15.15*	
		For >1,000, Deduct	*-7.67*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	173.29	32.92
		For <100, Add	*16.14*	
		For >1,000, Deduct	*-8.66*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	185.39	36.38
		For <100, Add	*17.54*	
		For >1,000, Deduct	*-9.27*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	201.30	36.38
		For <100, Add	*18.33*	
		For >1,000, Deduct	*-10.07*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	196.73	38.40
		For <100, Add	*18.56*	
		For >1,000, Deduct	*-9.84*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	209.01	38.40
		For <100, Add	*19.18*	
		For >1,000, Deduct	*-10.45*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	243.25	43.20
		For <100, Add	*21.98*	
		For >1,000, Deduct	*-12.16*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	263.38	43.20
		For <100, Add	*22.99*	
		For >1,000, Deduct	*-13.17*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	208.72	54.59
		For <100, Add	*19.01*	
		For >1,000, Deduct	*-10.44*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	247.50	60.04
		For <100, Add	*21.86*	
		For >1,000, Deduct	*-12.38*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	274.78	62.78
		For <100, Add	*23.75*	
		For >1,000, Deduct	*-13.74*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	309.97	70.97
		For <100, Add	*26.76*	
		For >1,000, Deduct	*-15.50*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	323.62	70.97
		For <100, Add	*27.44*	
		For >1,000, Deduct	*-16.18*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	336.25	70.97
		For <100, Add	*28.07*	
		For >1,000, Deduct	*-16.81*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	350.81	70.97
		For <100, Add	*28.80*	
		For >1,000, Deduct	*-17.54*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	406.58	81.89
		For <100, Add	*33.20*	
		For >1,000, Deduct	*-20.33*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	451.63	81.89
		For <100, Add	*35.45*	
		For >1,000, Deduct	*-22.58*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	562.20	81.89
		For <100, Add	*40.98*	
		For >1,000, Deduct	*-28.11*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	505.06	95.53
		For <100, Add	*40.27*	
		For >1,000, Deduct	*-25.25*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	523.49	95.53
		For <100, Add	*41.19*	
		For >1,000, Deduct	*-26.17*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	697.31	95.53
		For <100, Add	*49.88*	
		For >1,000, Deduct	*-34.87*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	600.62	95.53
		For <100, Add	*45.04*	
		For >1,000, Deduct	*-30.03*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	704.36	114.63
		For <100, Add	*53.23*	
		For >1,000, Deduct	*-35.22*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	839.17	114.63
		For <100, Add	*59.97*	
		For >1,000, Deduct	*-41.96*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	805.50	114.63
		For <100, Add	*58.29*	
		For >1,000, Deduct	*-40.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,231.21	128.29
		For <100, Add	*81.58*	
		For >1,000, Deduct	*-61.56*	
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	750.47	128.29
		For <100, Add	*57.54*	
		For >1,000, Deduct	*-37.52*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,411.70	144.67
		For <100, Add	*93.10*	
		For >1,000, Deduct	*-70.59*	
33 14 13 36-0037	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	823.57	144.67
		For <100, Add	*63.70*	
		For >1,000, Deduct	*-41.18*	
33 14 13 36-0038	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,479.80	163.77
		For <100, Add	*99.73*	
		For >1,000, Deduct	*-73.99*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,633.37	163.77
		For <100, Add	*107.40*	
		For >1,000, Deduct	*-81.67*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,826.91	191.07
		For <100, Add	*121.37*	
		For >1,000, Deduct	*-91.35*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,280.87	191.07
		For <100, Add	*94.07*	
		For >1,000, Deduct	*-64.04*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,423.52	156.61
		For <100, Add	*118.16*	
		For >1,000, Deduct	*-71.18*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,656.66	156.61
		For <100, Add	*179.82*	
		For >1,000, Deduct	*-132.83*	
33 14 13 36-0044		**Flexible Couplings (Dresser Style 38)** *(33 14 13 36-0001)*		
33 14 13 36-0045	EA	2" Dresser Coupling For Plain End Welded Steel Pipe	114.03	27.49
33 14 13 36-0046	EA	3" Dresser Coupling For Plain End Welded Steel Pipe	169.59	52.87
33 14 13 36-0047	EA	4" Dresser Coupling For Plain End Welded Steel Pipe	225.71	69.79
33 14 13 36-0048	EA	6" Dresser Coupling For Plain End Welded Steel Pipe	359.16	105.73
33 14 13 36-0049	EA	8" Dresser Coupling For Plain End Welded Steel Pipe	469.40	133.22
33 14 13 36-0050	EA	10" Dresser Coupling For Plain End Welded Steel Pipe	659.12	169.82
33 14 13 36-0051	EA	12" Dresser Coupling For Plain End Welded Steel Pipe	785.22	212.84
33 14 13 36-0052	EA	14" Dresser Coupling For Plain End Welded Steel Pipe	844.82	212.84
33 14 13 36-0053	EA	16" Dresser Coupling For Plain End Welded Steel Pipe	893.54	243.41
33 14 13 36-0054	EA	18" Dresser Coupling For Plain End Welded Steel Pipe	977.70	260.39
33 14 13 36-0055	EA	20" Dresser Coupling For Plain End Welded Steel Pipe	1,066.16	294.36
33 14 13 36-0056	EA	24" Dresser Coupling For Plain End Welded Steel Pipe	1,333.22	311.33
33 14 13 36-0057	EA	30" Dresser Coupling For Plain End Welded Steel Pipe	1,589.51	339.64
33 14 13 36-0058	EA	36" Dresser Coupling For Plain End Welded Steel Pipe	1,859.69	382.09
33 14 13 36-0059	EA	42" Dresser Coupling For Plain End Welded Steel Pipe	2,142.49	430.21
33 14 13 36-0060	EA	48" Dresser Coupling For Plain End Welded Steel Pipe	2,492.67	495.31
33 14 13 36-0061	EA	54" Dresser Coupling For Plain End Welded Steel Pipe	2,769.10	566.07
33 14 13 36-0062	EA	60" Dresser Coupling For Plain End Welded Steel Pipe	3,203.24	707.58
33 14 13 36-0063	EA	66" Dresser Coupling For Plain End Welded Steel Pipe	3,700.34	860.42
33 14 13 36-0064	EA	72" Dresser Coupling For Plain End Welded Steel Pipe	4,412.35	1,018.92
33 14 13 36-0065		**Welded, Plain End, Cement Mortar Lined And Coated** *(33 14 13 36-0001)*		
		Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX		
33 14 13 36-0066	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	66.50	21.65
33 14 13 36-0067	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	85.93	21.65
33 14 13 36-0068	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	87.87	28.79
33 14 13 36-0069	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	124.19	28.79
33 14 13 36-0070	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	146.11	28.79
33 14 13 36-0071	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	167.91	28.79
33 14 13 36-0072	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	149.00	31.41
33 14 13 36-0073	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	174.60	31.41
33 14 13 36-0074	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	180.67	31.41
33 14 13 36-0075	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	178.65	32.92
33 14 13 36-0076	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	198.56	32.92
33 14 13 36-0077	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	256.96	32.92
33 14 13 36-0078	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	230.88	36.38
33 14 13 36-0079	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	268.99	36.38
33 14 13 36-0080	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	305.84	36.38
33 14 13 36-0081	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	242.61	38.40
33 14 13 36-0082	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	299.83	38.40
33 14 13 36-0083	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	341.45	38.40
33 14 13 36-0084	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	281.15	43.20
33 14 13 36-0085	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	338.26	43.20
33 14 13 36-0086	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	351.91	43.20
33 14 13 36-0087	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	309.09	45.46
33 14 13 36-0088	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	372.34	45.46
33 14 13 36-0089	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	372.34	45.46
33 14 13 36-0090	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	445.12	48.67
33 14 13 36-0091	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	490.17	48.67

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33 14 13 36-0092	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	555.03	57.36
33 14 13 36-0093	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	573.46	57.36
33 14 13 36-0094		**Welded, Bell and Spigot, Cement Mortar Lined And Coated** *(33 14 13 36-0001)*		
		Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX		
33 14 13 36-0095	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	67.03	21.65
33 14 13 36-0096	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	86.94	21.65
33 14 13 36-0097	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	88.72	28.79
33 14 13 36-0098	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	125.95	28.79
33 14 13 36-0099	LF	8" Diameter, Schedule 10 (0.148" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	127.45	28.79
33 14 13 36-0100	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	148.21	28.79
33 14 13 36-0101	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	169.59	28.79
33 14 13 36-0102	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	149.24	31.41
33 14 13 36-0103	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	176.94	31.41
33 14 13 36-0104	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	182.79	31.41
33 14 13 36-0105	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	181.24	32.92
33 14 13 36-0106	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	201.64	32.92
33 14 13 36-0107	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	257.27	32.92
33 14 13 36-0108	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	218.23	36.38
33 14 13 36-0109	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	273.59	36.38
33 14 13 36-0110	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	306.21	36.38
33 14 13 36-0111	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	246.39	38.40
33 14 13 36-0112	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	305.04	38.40
33 14 13 36-0113	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	341.86	38.40
33 14 13 36-0114	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	285.60	43.20
33 14 13 36-0115	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	344.13	43.20
33 14 13 36-0116	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	344.13	43.20
33 14 13 36-0117	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	314.04	45.46
33 14 13 36-0118	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	378.87	45.46
33 14 13 36-0119	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	393.80	45.46
33 14 13 36-0120	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	453.14	48.67
33 14 13 36-0121	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	499.32	48.67
33 14 13 36-0122	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	565.15	57.36
33 14 13 36-0123	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	584.04	57.36
33 14 13 36-0124		**Plain End Steel Pipe Fittings, Standard Wall Thickness** *(33 14 13 36-0001)*		
		See CSI section 33 14 13 36-0317 for flanged end fittings.		
33 14 13 36-0125		**90 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0126	EA	4" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	383.84	208.48
33 14 13 36-0127	EA	6" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	676.15	344.13
33 14 13 36-0128	EA	8" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,019.24	483.72
33 14 13 36-0129	EA	10" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,358.98	552.74
33 14 13 36-0130	EA	12" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,853.27	723.26
33 14 13 36-0131	EA	14" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,322.12	854.87
33 14 13 36-0132	EA	16" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,914.96	998.26
33 14 13 36-0133	EA	18" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,495.67	1,113.21
33 14 13 36-0134	EA	20" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,529.44	1,248.16
33 14 13 36-0135	EA	24" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	5,426.36	1,289.81
33 14 13 36-0136		**45 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0137	EA	4" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	367.88	208.48
33 14 13 36-0138	EA	6" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	636.91	344.13
33 14 13 36-0139	EA	8" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	946.42	483.72
33 14 13 36-0140	EA	10" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,225.28	552.74
33 14 13 36-0141	EA	12" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,659.40	723.26
33 14 13 36-0142	EA	14" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,059.72	854.87
33 14 13 36-0143	EA	16" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,555.79	998.26
33 14 13 36-0144	EA	18" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,033.41	1,113.21
33 14 13 36-0145	EA	20" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,850.00	1,248.16
33 14 13 36-0146	EA	24" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,538.41	1,289.81
33 14 13 36-0147		**22.5 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0148	EA	4" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	362.63	208.48
33 14 13 36-0149	EA	6" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	624.44	344.13
33 14 13 36-0150	EA	8" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	922.99	483.72
33 14 13 36-0151	EA	10" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,184.75	552.74
33 14 13 36-0152	EA	12" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,600.63	723.26
33 14 13 36-0153	EA	14" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,979.85	854.87
33 14 13 36-0154	EA	16" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,446.85	998.26
33 14 13 36-0155	EA	18" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,893.17	1,113.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0156	EA	20" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,645.94	1,248.16
33 14 13 36-0157	EA	24" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,247.62	1,289.81
33 14 13 36-0158		**11.25 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0159	EA	4" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	365.22	208.48
33 14 13 36-0160	EA	6" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	630.80	344.13
33 14 13 36-0161	EA	8" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	934.81	483.72
33 14 13 36-0162	EA	10" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,206.46	552.74
33 14 13 36-0163	EA	12" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,632.10	723.26
33 14 13 36-0164		**Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0165	EA	4"x4"x4" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	596.73	312.72
33 14 13 36-0166	EA	6"x6"x6" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	996.83	516.09
33 14 13 36-0167	EA	8"x8"x8" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,494.78	725.52
33 14 13 36-0168	EA	10"x10"x10" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,917.45	829.16
33 14 13 36-0169	EA	12"x12"x12" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,645.19	1,084.89
33 14 13 36-0170	EA	14"x14"x14" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,542.19	1,282.43
33 14 13 36-0171	EA	16"x16"x16" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,212.19	1,497.45
33 14 13 36-0172	EA	18"x18"x18" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	5,667.78	1,669.81
33 14 13 36-0173	EA	20"x20"x20" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	7,639.73	1,872.29
33 14 13 36-0174	EA	24"x24"x24" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	8,841.45	1,934.64
33 14 13 36-0175	EA	30"x30"x30" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	12,595.82	2,277.95
33 14 13 36-0176		**Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0177	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	589.44	344.13
33 14 13 36-0178	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	847.86	483.72
33 14 13 36-0179	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	825.08	483.72
33 14 13 36-0180	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,013.28	552.74
33 14 13 36-0181	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,660.83	723.26
33 14 13 36-0182	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,357.88	723.26
33 14 13 36-0183	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,347.55	723.26
33 14 13 36-0184	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,319.01	723.26
33 14 13 36-0185		**Reducing Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0124)*		
33 14 13 36-0186	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	997.71	516.09
33 14 13 36-0187	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,496.45	725.52
33 14 13 36-0188	EA	10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,920.28	829.16
33 14 13 36-0189	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	2,649.47	1,084.89
33 14 13 36-0190		**Slip-on Flanges, Steel, Class 150** *(33 14 13 36-0124)*		
33 14 13 36-0191	EA	4" Slip-on Flange, Steel, Class 150	211.03	104.24
33 14 13 36-0192	EA	6" Slip-on Flange, Steel, Class 150	342.31	172.07
33 14 13 36-0193	EA	8" Slip-on Flange, Steel, Class 150	490.86	241.80
33 14 13 36-0194	EA	10" Slip-on Flange, Steel, Class 150	635.80	276.43
33 14 13 36-0195	EA	12" Slip-on Flange, Steel, Class 150	891.54	361.63
33 14 13 36-0196	EA	14" Slip-on Flange, Steel, Class 150	1,151.40	427.43
33 14 13 36-0197	EA	16" Slip-on Flange, Steel, Class 150	1,435.69	499.19
33 14 13 36-0198	EA	18" Slip-on Flange, Steel, Class 150	1,605.05	556.55
33 14 13 36-0199	EA	20" Slip-on Flange, Steel, Class 150	1,811.63	624.13
33 14 13 36-0200	EA	24" Slip-on Flange, Steel, Class 150	1,951.07	644.84
33 14 13 36-0201	EA	30" Slip-on Flange, Steel, Class 150	2,614.77	759.32
33 14 13 36-0202		**Slip-on Flanges, Steel, Class 300** *(33 14 13 36-0124)*		
33 14 13 36-0203	EA	4" Slip-on Flange, Steel, Class 300	252.12	104.24
33 14 13 36-0204	EA	6" Slip-on Flange, Steel, Class 300	405.54	172.07
33 14 13 36-0205	EA	8" Slip-on Flange, Steel, Class 300	587.07	241.80
33 14 13 36-0206	EA	10" Slip-on Flange, Steel, Class 300	801.89	276.43
33 14 13 36-0207	EA	12" Slip-on Flange, Steel, Class 300	1,153.59	361.63
33 14 13 36-0208	EA	14" Slip-on Flange, Steel, Class 300	1,534.27	427.43
33 14 13 36-0209	EA	16" Slip-on Flange, Steel, Class 300	1,951.17	499.19
33 14 13 36-0210	EA	18" Slip-on Flange, Steel, Class 300	2,183.03	556.55
33 14 13 36-0211	EA	20" Slip-on Flange, Steel, Class 300	2,468.60	624.13
33 14 13 36-0212	EA	24" Slip-on Flange, Steel, Class 300	2,689.24	644.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0213	EA	30" Slip-on Flange, Steel, Class 300	3,795.84	759.32
33 14 13 36-0214		**Blind Flanges, Steel, Class 150** *(33 14 13 36-0124)*		
33 14 13 36-0215	EA	4" Blind Flange, Steel, Class 150	206.60	104.24
33 14 13 36-0216	EA	6" Blind Flange, Steel, Class 150	334.31	172.07
33 14 13 36-0217	EA	8" Blind Flange, Steel, Class 150	483.64	241.80
33 14 13 36-0218	EA	10" Blind Flange, Steel, Class 150	650.75	276.43
33 14 13 36-0219	EA	12" Blind Flange, Steel, Class 150	876.74	361.63
33 14 13 36-0220	EA	14" Blind Flange, Steel, Class 150	1,329.83	427.43
33 14 13 36-0221	EA	16" Blind Flange, Steel, Class 150	1,474.53	499.19
33 14 13 36-0222	EA	18" Blind Flange, Steel, Class 150	1,623.10	556.55
33 14 13 36-0223	EA	20" Blind Flange, Steel, Class 150	2,015.54	624.13
33 14 13 36-0224	EA	24" Blind Flange, Steel, Class 150	2,512.87	644.84
33 14 13 36-0225	EA	30" Blind Flange, Steel, Class 150	3,550.21	759.32
33 14 13 36-0226		**Blind Flanges, Steel, Class 300** *(33 14 13 36-0124)*		
33 14 13 36-0227	EA	4" Blind Flange, Steel, Class 300	244.37	104.24
33 14 13 36-0228	EA	6" Blind Flange, Steel, Class 300	391.54	172.07
33 14 13 36-0229	EA	8" Blind Flange, Steel, Class 300	574.43	241.80
33 14 13 36-0230	EA	10" Blind Flange, Steel, Class 300	828.05	276.43
33 14 13 36-0231	EA	12" Blind Flange, Steel, Class 300	1,127.68	361.63
33 14 13 36-0232	EA	14" Blind Flange, Steel, Class 300	1,846.52	427.43
33 14 13 36-0233	EA	16" Blind Flange, Steel, Class 300	2,019.15	499.19
33 14 13 36-0234	EA	18" Blind Flange, Steel, Class 300	2,214.63	556.55
33 14 13 36-0235	EA	20" Blind Flange, Steel, Class 300	2,825.44	624.13
33 14 13 36-0236	EA	24" Blind Flange, Steel, Class 300	3,672.38	644.84
33 14 13 36-0237	EA	30" Blind Flange, Steel, Class 300	5,359.05	759.32
33 14 13 36-0238		**Screw Flanges, Steel, Class 150** *(33 14 13 36-0124)*		
33 14 13 36-0239	EA	4" Diameter, Screw Flange, Steel, Class 150	200.55	104.24
33 14 13 36-0240	EA	6" Diameter, Screw Flange, Steel, Class 150	326.17	172.07
33 14 13 36-0241	EA	8" Diameter, Screw Flange, Steel, Class 150	469.35	241.80
33 14 13 36-0242	EA	10" Diameter, Screw Flange, Steel, Class 150	570.36	276.43
33 14 13 36-0243	EA	12" Diameter, Screw Flange, Steel, Class 150	769.62	361.63
33 14 13 36-0244		**Screw Flanges, Steel, Class 300** *(33 14 13 36-0124)*		
33 14 13 36-0245	EA	4" Diameter, Screw Flange, Steel, Class 300	237.97	104.24
33 14 13 36-0246	EA	6" Diameter, Screw Flange, Steel, Class 300	383.75	172.07
33 14 13 36-0247	EA	8" Diameter, Screw Flange, Steel, Class 300	559.52	241.80
33 14 13 36-0248	EA	10" Diameter, Screw Flange, Steel, Class 300	702.10	276.43
33 14 13 36-0249	EA	12" Diameter, Screw Flange, Steel, Class 300	961.71	361.63
33 14 13 36-0250		**Steel Flange Gaskets** *(33 14 13 36-0124)*		
33 14 13 36-0251		**1/16" Thick Cloth-Inserted Rubber Flange Gasket, Class 150 (Tripac)** *(33 14 13 36-0250)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0252	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	2.85	
33 14 13 36-0253	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	4.48	
33 14 13 36-0254	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	5.98	
33 14 13 36-0255	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	9.22	
33 14 13 36-0256	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	12.05	
33 14 13 36-0257	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	13.82	
33 14 13 36-0258	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	17.21	
33 14 13 36-0259	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	19.56	
33 14 13 36-0260	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	25.27	
33 14 13 36-0261	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	31.03	
33 14 13 36-0262	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	47.11	
33 14 13 36-0263		**1/8" Thick Cloth-Inserted Rubber Flange Gasket, Class 250 (Tripac)** *(33 14 13 36-0250)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0264	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	8.74	
33 14 13 36-0265	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	16.34	
33 14 13 36-0266	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	23.16	
33 14 13 36-0267	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	29.47	
33 14 13 36-0268	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	35.66	
33 14 13 36-0269	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	44.31	
33 14 13 36-0270	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	52.63	
33 14 13 36-0271	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	72.58	
33 14 13 36-0272	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	81.62	
33 14 13 36-0273	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	113.44	
33 14 13 36-0274	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	200.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0275		Steel Flange Bolt Packs *(33 14 13 36-0124)*		
33 14 13 36-0276		Class 150, Steel Flange Bolt Packs *(33 14 13 36-0275)*		
		Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.		
33 14 13 36-0277	EA	1" Pipe Diameter, Class 150, Steel Flange Bolt Pack	13.02	
		For Zinc Plated, Add	*3.65*	
		For Hot Dip Galvanized, Add	*5.21*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.11*	
33 14 13 36-0278	EA	1-1/4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	14.61	
		For Zinc Plated, Add	*4.09*	
		For Hot Dip Galvanized, Add	*5.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.23*	
33 14 13 36-0279	EA	1-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	14.61	
		For Zinc Plated, Add	*4.09*	
		For Hot Dip Galvanized, Add	*5.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.23*	
33 14 13 36-0280	EA	2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	18.83	
		For Zinc Plated, Add	*5.27*	
		For Hot Dip Galvanized, Add	*7.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.18*	
33 14 13 36-0281	EA	2-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0282	EA	3" Pipe Diameter, Class 150, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0283	EA	4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	44.25	
		For Zinc Plated, Add	*12.39*	
		For Hot Dip Galvanized, Add	*17.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*30.98*	
33 14 13 36-0284	EA	5" Pipe Diameter, Class 150, Steel Flange Bolt Pack	63.39	
		For Zinc Plated, Add	*17.75*	
		For Hot Dip Galvanized, Add	*25.36*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.37*	
33 14 13 36-0285	EA	6" Pipe Diameter, Class 150, Steel Flange Bolt Pack	68.28	
		For Zinc Plated, Add	*19.12*	
		For Hot Dip Galvanized, Add	*27.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.80*	
33 14 13 36-0286	EA	8" Pipe Diameter, Class 150, Steel Flange Bolt Pack	74.14	
		For Zinc Plated, Add	*20.76*	
		For Hot Dip Galvanized, Add	*29.66*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.90*	
33 14 13 36-0287	EA	10" Pipe Diameter, Class 150, Steel Flange Bolt Pack	166.53	
		For Zinc Plated, Add	*46.63*	
		For Hot Dip Galvanized, Add	*66.61*	
		For Advanced Fluoropolymer (Blue Coating), Add	*116.57*	
33 14 13 36-0288	EA	12" Pipe Diameter, Class 150, Steel Flange Bolt Pack	168.00	
		For Zinc Plated, Add	*47.04*	
		For Hot Dip Galvanized, Add	*67.20*	
		For Advanced Fluoropolymer (Blue Coating), Add	*117.60*	
33 14 13 36-0289	EA	14" Pipe Diameter, Class 150, Steel Flange Bolt Pack	188.22	
		For Zinc Plated, Add	*52.70*	
		For Hot Dip Galvanized, Add	*75.29*	
		For Advanced Fluoropolymer (Blue Coating), Add	*131.75*	
33 14 13 36-0290	EA	16" Pipe Diameter, Class 150, Steel Flange Bolt Pack	316.42	
		For Zinc Plated, Add	*88.60*	
		For Hot Dip Galvanized, Add	*126.57*	
		For Advanced Fluoropolymer (Blue Coating), Add	*221.49*	
33 14 13 36-0291	EA	18" Pipe Diameter, Class 150, Steel Flange Bolt Pack	459.67	
		For Zinc Plated, Add	*128.71*	
		For Hot Dip Galvanized, Add	*183.87*	
		For Advanced Fluoropolymer (Blue Coating), Add	*321.77*	
33 14 13 36-0292	EA	20" Pipe Diameter, Class 150, Steel Flange Bolt Pack	580.39	
		For Zinc Plated, Add	*162.51*	
		For Hot Dip Galvanized, Add	*232.16*	
		For Advanced Fluoropolymer (Blue Coating), Add	*406.27*	
33 14 13 36-0293	EA	22" Pipe Diameter, Class 150, Steel Flange Bolt Pack	830.44	
		For Zinc Plated, Add	*232.52*	
		For Hot Dip Galvanized, Add	*332.18*	
		For Advanced Fluoropolymer (Blue Coating), Add	*581.31*	
33 14 13 36-0294	EA	24" Pipe Diameter, Class 150, Steel Flange Bolt Pack	830.44	
		For Zinc Plated, Add	*232.52*	
		For Hot Dip Galvanized, Add	*332.18*	
		For Advanced Fluoropolymer (Blue Coating), Add	*581.31*	
33 14 13 36-0295	EA	30" Pipe Diameter, Class 150, Steel Flange Bolt Pack	1,312.22	
		For Zinc Plated, Add	*367.42*	
		For Hot Dip Galvanized, Add	*524.89*	
		For Advanced Fluoropolymer (Blue Coating), Add	*918.55*	
33 14 13 36-0296	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt Set	1,871.92	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*524.14*	
		For Hot Dip Galvanized, Add	*748.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,310.34*	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0297		Class 300, Steel Flange Bolt Packs *(33 14 13 36-0275)*		
		Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.		
33 14 13 36-0298	EA	1" Pipe Diameter, Class 300, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0299	EA	1-1/4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0300	EA	1-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	21.21	
		For Zinc Plated, Add	*5.94*	
		For Hot Dip Galvanized, Add	*8.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.85*	
33 14 13 36-0301	EA	2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	42.42	
		For Zinc Plated, Add	*11.88*	
		For Hot Dip Galvanized, Add	*16.97*	
		For Advanced Fluoropolymer (Blue Coating), Add	*29.69*	
33 14 13 36-0302	EA	2-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	68.28	
		For Zinc Plated, Add	*19.12*	
		For Hot Dip Galvanized, Add	*27.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.80*	
33 14 13 36-0303	EA	3" Pipe Diameter, Class 300, Steel Flange Bolt Pack	74.14	
		For Zinc Plated, Add	*20.76*	
		For Hot Dip Galvanized, Add	*29.66*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.90*	
33 14 13 36-0304	EA	3-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	74.14	
		For Zinc Plated, Add	*20.76*	
		For Hot Dip Galvanized, Add	*29.66*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.90*	
33 14 13 36-0305	EA	4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	75.48	
		For Zinc Plated, Add	*21.13*	
		For Hot Dip Galvanized, Add	*30.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.84*	
33 14 13 36-0306	EA	5" Pipe Diameter, Class 300, Steel Flange Bolt Pack	76.71	
		For Zinc Plated, Add	*21.48*	
		For Hot Dip Galvanized, Add	*30.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.70*	
33 14 13 36-0307	EA	6" Pipe Diameter, Class 300, Steel Flange Bolt Pack	115.06	
		For Zinc Plated, Add	*32.22*	
		For Hot Dip Galvanized, Add	*46.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*80.54*	
33 14 13 36-0308	EA	8" Pipe Diameter, Class 300, Steel Flange Bolt Pack	179.91	
		For Zinc Plated, Add	*50.37*	
		For Hot Dip Galvanized, Add	*71.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*125.94*	
33 14 13 36-0309	EA	10" Pipe Diameter, Class 300, Steel Flange Bolt Pack	337.42	
		For Zinc Plated, Add	*94.48*	
		For Hot Dip Galvanized, Add	*134.97*	
		For Advanced Fluoropolymer (Blue Coating), Add	*236.19*	
33 14 13 36-0310	EA	12" Pipe Diameter, Class 300, Steel Flange Bolt Pack	491.18	
		For Zinc Plated, Add	*137.53*	
		For Hot Dip Galvanized, Add	*196.47*	
		For Advanced Fluoropolymer (Blue Coating), Add	*343.83*	
33 14 13 36-0311	EA	14" Pipe Diameter, Class 300, Steel Flange Bolt Pack	675.04	
		For Zinc Plated, Add	*189.01*	
		For Hot Dip Galvanized, Add	*270.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*472.53*	
33 14 13 36-0312	EA	16" Pipe Diameter, Class 300, Steel Flange Bolt Pack	937.30	
		For Zinc Plated, Add	*262.44*	
		For Hot Dip Galvanized, Add	*374.92*	
		For Advanced Fluoropolymer (Blue Coating), Add	*656.11*	
33 14 13 36-0313	EA	18" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,200.60	
		For Zinc Plated, Add	*336.17*	
		For Hot Dip Galvanized, Add	*480.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*840.42*	
33 14 13 36-0314	EA	20" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,271.31	
		For Zinc Plated, Add	*355.97*	
		For Hot Dip Galvanized, Add	*508.52*	
		For Advanced Fluoropolymer (Blue Coating), Add	*889.92*	
33 14 13 36-0315	EA	24" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,605.44	
		For Zinc Plated, Add	*449.52*	
		For Hot Dip Galvanized, Add	*642.18*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,123.81*	
33 14 13 36-0316	EA	30" Pipe Diameter, Class 300, Steel Flange Bolt Pack	2,507.33	
		For Zinc Plated, Add	*702.05*	
		For Hot Dip Galvanized, Add	*1,002.93*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,755.13*	
33 14 13 36-0317		Flanged Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*		
		See CSI section 33 14 13 36-0276 for bolt pack.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0318		**Flanged 90 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0317)*		
33 14 13 36-0319	EA	4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	482.31	208.48
		For Class 300, Add	*126.43*	
33 14 13 36-0320	EA	6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	827.67	344.13
		For Class 300, Add	*232.31*	
33 14 13 36-0321	EA	8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,256.52	483.72
		For Class 300, Add	*395.86*	
33 14 13 36-0322	EA	10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,705.67	552.74
		For Class 300, Add	*653.35*	
33 14 13 36-0323	EA	12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,358.77	723.26
		For Class 300, Add	*949.48*	
33 14 13 36-0324		**Flanged 45 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0317)*		
33 14 13 36-0325	EA	4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	466.35	208.48
		For Class 300, Add	*114.54*	
33 14 13 36-0326	EA	6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	788.43	344.13
		For Class 300, Add	*203.07*	
33 14 13 36-0327	EA	8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,240.57	483.72
		For Class 300, Add	*383.97*	
33 14 13 36-0328	EA	10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,571.97	552.74
		For Class 300, Add	*553.74*	
33 14 13 36-0329	EA	12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,164.91	723.26
		For Class 300, Add	*805.05*	
33 14 13 36-0330		**Flanged 22.5 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0317)*		
33 14 13 36-0331	EA	4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	461.11	208.48
		For Class 300, Add	*110.64*	
33 14 13 36-0332	EA	6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	775.95	344.13
		For Class 300, Add	*193.77*	
33 14 13 36-0333	EA	8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,160.27	483.72
		For Class 300, Add	*324.15*	
33 14 13 36-0334	EA	10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,531.44	552.74
		For Class 300, Add	*523.55*	
33 14 13 36-0335	EA	12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,106.13	723.26
		For Class 300, Add	*761.26*	
33 14 13 36-0336		**Flanged 11.25 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0317)*		
33 14 13 36-0337	EA	4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	463.70	208.48
		For Class 300, Add	*112.57*	
33 14 13 36-0338	EA	6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	782.32	344.13
		For Class 300, Add	*198.52*	
33 14 13 36-0339	EA	8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,172.09	483.72
		For Class 300, Add	*332.96*	
33 14 13 36-0340	EA	10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,553.15	552.74
		For Class 300, Add	*539.72*	
33 14 13 36-0341	EA	12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,137.61	723.26
		For Class 300, Add	*784.72*	
33 14 13 36-0342		**Flanged Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0317)*		
33 14 13 36-0343	EA	4"x4"x4", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	744.43	312.72
		For Class 300, Add	*205.31*	
33 14 13 36-0344	EA	6"x6"x6", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,224.11	516.09
		For Class 300, Add	*335.45*	
33 14 13 36-0345	EA	8"x8"x8", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,850.70	725.52
		For Class 300, Add	*568.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0346	EA	10"x10"x10" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,437.48	829.16
		For Class 300, Add	*889.86*	
33 14 13 36-0347	EA	12"x12"x12" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,403.45	1,084.89
		For Class 300, Add	*1,323.87*	

33 14 13 36-0348 Flanged Reducing Tees, Standard Wall Thickness, Steel *(33 14 13 36-0317)*

33 14 13 36-0349	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,198.46	516.09
		For Class 300, Add	*316.34*	
33 14 13 36-0350	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,809.49	725.52
		For Class 300, Add	*537.70*	
33 14 13 36-0351	EA	10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,385.61	829.16
		For Class 300, Add	*851.21*	
33 14 13 36-0352	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,230.73	1,084.89
		For Class 300, Add	*1,195.20*	

33 14 13 36-0353 Flanged Eccentric Reducers, Standard Wall Thickness, Steel *(33 14 13 36-0317)*

33 14 13 36-0354	EA	6" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	748.85	344.13
		For Class 300, Add	*173.59*	
33 14 13 36-0355	EA	8" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,134.85	483.72
		For Class 300, Add	*305.21*	
33 14 13 36-0356	EA	8" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,061.14	483.72
		For Class 300, Add	*250.30*	
33 14 13 36-0357	EA	10" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,309.71	552.74
		For Class 300, Add	*358.36*	
33 14 13 36-0358	EA	12" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,673.93	723.26
		For Class 300, Add	*439.27*	
33 14 13 36-0359	EA	12" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,083.20	723.26
		For Class 300, Add	*744.18*	
33 14 13 36-0360	EA	12" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,888.11	723.26
		For Class 300, Add	*598.84*	
33 14 13 36-0361	EA	12" x 10", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,802.03	723.26
		For Class 300, Add	*534.71*	

33 14 13 36-0362 Flanged Concentric Reducers, Standard Wall Thickness, Steel *(33 14 13 36-0317)*

33 14 13 36-0363	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	714.43	344.13
		For Class 300, Add	*147.94*	
33 14 13 36-0364	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,015.73	483.72
		For Class 300, Add	*216.47*	
33 14 13 36-0365	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,019.48	483.72
		For Class 300, Add	*219.26*	
33 14 13 36-0366	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,305.27	552.74
		For Class 300, Add	*355.05*	
33 14 13 36-0367	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,962.82	723.26
		For Class 300, Add	*654.50*	
33 14 13 36-0368	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,686.39	723.26
		For Class 300, Add	*448.56*	
33 14 13 36-0369	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,718.94	723.26
		For Class 300, Add	*472.81*	
33 14 13 36-0370	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,745.11	723.26
		For Class 300, Add	*492.30*	

33 14 13 36-0371 Flanged Crosses, Standard Wall Thickness, Steel *(33 14 13 36-0317)*

33 14 13 36-0372	EA	8" x 8" x 8" x 8", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	2,513.47	963.87
		For Class 300, Add	*794.52*	
33 14 13 36-0373	EA	12" x 12" x 12" x 12", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	4,669.35	1,444.62
		For Class 300, Add	*1,863.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0374		Grooved-Joint Pipe, Cement Mortar Lined And Epoxy Coated *(33 14 13 36)*		
		Note: Excludes fittings, elbow, tee, reducer fitting or couplings.		
33 14 13 36-0375	LF	3" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	84.44	25.22
33 14 13 36-0376	LF	4" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	107.15	28.08
33 14 13 36-0377	LF	6" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	193.68	49.27
33 14 13 36-0378	LF	8" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	265.26	55.81
33 14 13 36-0379	LF	10" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	365.48	66.63
33 14 13 36-0380	LF	12" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	439.62	76.51
33 14 13 36-0381		Grooved-Joint Pipe Fittings *(33 14 13 36)*		
33 14 13 36-0382		90 Degree Grooved Elbow *(33 14 13 36-0381)*		
33 14 13 36-0383	EA	3" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	206.90	38.32
33 14 13 36-0384	EA	4" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	239.55	50.58
33 14 13 36-0385	EA	6" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	567.87	82.70
33 14 13 36-0386	EA	8" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,074.69	98.41
33 14 13 36-0387	EA	10" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,613.73	114.83
33 14 13 36-0388	EA	12" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,505.58	137.80
33 14 13 36-0389		45 Degree Grooved Elbow *(33 14 13 36-0381)*		
33 14 13 36-0390	EA	3" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	206.85	38.32
33 14 13 36-0391	EA	4" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	239.55	50.58
33 14 13 36-0392	EA	6" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	567.87	82.70
33 14 13 36-0393	EA	8" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,074.69	98.41
33 14 13 36-0394	EA	10" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,613.73	114.83
33 14 13 36-0395	EA	12" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,505.58	137.80
33 14 13 36-0396		22.5 Degree Grooved Elbow *(33 14 13 36-0381)*		
33 14 13 36-0397	EA	3" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	189.76	38.32
33 14 13 36-0398	EA	4" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	251.61	50.58
33 14 13 36-0399	EA	6" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	602.66	82.70
33 14 13 36-0400	EA	8" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,142.18	98.41
33 14 13 36-0401	EA	10" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,539.24	114.83
33 14 13 36-0402	EA	12" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,051.89	137.80
33 14 13 36-0403		11.25 Degree Grooved Elbow *(33 14 13 36-0381)*		
33 14 13 36-0404	EA	3" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	189.75	38.32
33 14 13 36-0405	EA	4" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	251.60	50.58
33 14 13 36-0406	EA	6" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	602.64	82.70
33 14 13 36-0407	EA	8" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,142.13	98.41
33 14 13 36-0408	EA	10" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,539.16	114.83
33 14 13 36-0409	EA	12" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,051.79	137.80
33 14 13 36-0410		Grooved Couplings *(33 14 13 36-0381)*		
33 14 13 36-0411	EA	3" Coupling, Steel, AGS, Schedule 40	55.82	18.93
33 14 13 36-0412	EA	4" Coupling, Steel, AGS, Schedule 40	82.28	25.22
33 14 13 36-0413	EA	6" Coupling, Steel, AGS, Schedule 40	142.40	41.29
33 14 13 36-0414	EA	8" Coupling, Steel, AGS, Schedule 40	204.88	49.27
33 14 13 36-0415	EA	10" Coupling, Steel, AGS, Schedule 40	306.43	59.03
33 14 13 36-0416	EA	12" Coupling, Steel, AGS, Schedule 40	344.92	64.61
33 14 13 39		**Copper Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 39-0001		Type L Copper Water Distribution Piping *(33 14 13 39)*		
33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	7.66	2.04
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	9.69	2.29
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	12.85	2.55
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	16.09	3.05
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	19.86	4.08
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	29.04	5.10
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	36.65	6.12
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	46.07	6.73
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	61.87	8.46
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	81.75	10.70
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	132.13	13.36
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	170.80	16.11
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	295.29	18.04
33 14 13 39-0015		Type K Copper Water Distribution Piping *(33 14 13 39)*		
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	8.18	2.04
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	11.50	2.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	14.64	2.55
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	17.20	3.05
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	21.50	4.08
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	31.25	5.10
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	42.77	6.12
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	55.25	6.73
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	72.66	8.46
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	98.12	10.70
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	166.00	13.36
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	231.72	16.11
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	407.71	18.04
33 14 13 39-0029		Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15405		
33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	42.60	
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	61.41	
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	155.60	
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	198.23	
33 14 13 39-0034		Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15450		
33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	51.53	
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	42.83	
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	59.49	
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	89.26	
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	116.91	
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	191.47	
33 14 13 39-0041		Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15425		
33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	43.67	
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	42.96	
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	57.80	
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	89.26	
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	123.04	
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	199.06	
33 14 13 39-0048		Brass Fittings *(33 14 13 39)*		
33 14 13 39-0049		Brass Compression Reducer Coupling *(33 14 13 39-0048)*		
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	49.24	15.50
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	38.52	15.50
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	82.19	23.54
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	101.71	29.86
33 14 13 39-0054		Copper Compression x Male NPT Brass Coupling *(33 14 13 39-0048)*		
		Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	51.10	17.22
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	58.39	20.09
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	59.93	20.09
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	58.65	20.09
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	80.46	22.97
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	78.11	22.97
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	106.85	28.71
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	140.96	34.45
33 14 13 39-0063		Brass Nipples *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	36.35	7.18
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	47.56	7.75
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	73.00	8.33
33 14 13 39-0067		Brass "H" Style Meter Insetters *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	271.59	31.72
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	172.50	31.72
33 14 13 39-0070		Meter Setters - Resetter, Brass *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter	727.10	31.72
		Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		

33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps *(33 14 13)*

33 14 13 43-0001 Pipe Coatings *(33 14 13 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0002		**Epoxy Wrap And Pipe Coating** *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	4" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	1.60	
33 14 13 43-0004	LF	6" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	1.97	
33 14 13 43-0005	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.46	
33 14 13 43-0006	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.93	
33 14 13 43-0007	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.46	
33 14 13 43-0008	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.60	
33 14 13 43-0009	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.24	
33 14 13 43-0010	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.51	
33 14 13 43-0011	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.94	
33 14 13 43-0012	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.92	
33 14 13 43-0013	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	9.08	
33 14 13 43-0014	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	14.35	
33 14 13 43-0015	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	30.93	
33 14 13 43-0016	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	35.35	
33 14 13 43-0017	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	39.77	
33 14 13 43-0018	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	44.19	
33 14 13 43-0019	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	48.61	
33 14 13 43-0020	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	53.01	
33 14 13 43-0021	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	57.45	
33 14 13 43-0022		**Cement Coating With Fiberglass Or Wire Mesh Reinforcing** *(33 14 13 43-0001)* Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0023	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	7.27	
33 14 13 43-0024	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	8.94	
33 14 13 43-0025	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.18	
33 14 13 43-0026	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	12.45	
33 14 13 43-0027	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.06	
33 14 13 43-0028	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	16.46	
33 14 13 43-0029	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.70	
33 14 13 43-0030	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.10	
33 14 13 43-0031	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	23.45	
33 14 13 43-0032	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.13	
33 14 13 43-0033	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.16	
33 14 13 43-0034	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	42.19	
33 14 13 43-0035	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	49.23	
33 14 13 43-0036	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	56.26	
33 14 13 43-0037	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	63.29	
33 14 13 43-0038	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	70.32	
33 14 13 43-0039	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	77.36	
33 14 13 43-0040	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	84.39	
33 14 13 43-0041	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	91.42	
33 14 13 43-0042		**Epoxy Wrap And Fitting Coating** *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0043	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	9.45	
		For 1/2" Thick, Add	*0.37*	
33 14 13 43-0044	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	11.97	
		For 1/2" Thick, Add	*0.49*	
33 14 13 43-0045	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	17.45	
		For 1/2" Thick, Add	*0.64*	
33 14 13 43-0046	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	29.40	
		For 1/2" Thick, Add	*0.94*	
33 14 13 43-0047	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	44.93	
		For 1/2" Thick, Add	*1.38*	
33 14 13 43-0048	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	70.45	
		For 1/2" Thick, Add	*2.11*	
33 14 13 43-0049	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	108.68	
		For 1/2" Thick, Add	*2.73*	
33 14 13 43-0050	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	147.70	
		For 1/2" Thick, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0051	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	201.88	
		For 1/2" Thick, Add	*3.36*	
33 14 13 43-0052	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	293.80	
		For 1/2" Thick, Add	*4.70*	

33 14 13 43-0053 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0054 Cement Pipe Lining *(33 14 13 43-0053)*

Note: Shop applied.

33 14 13 43-0055	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	12.44	
		For 1/2" Thick, Add	*0.97*	
33 14 13 43-0056	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	15.47	
		For 1/2" Thick, Add	*1.19*	
33 14 13 43-0057	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	18.85	
		For 1/2" Thick, Add	*1.49*	
33 14 13 43-0058	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	24.53	
		For 1/2" Thick, Add	*1.86*	
33 14 13 43-0059	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	30.22	
		For 1/2" Thick, Add	*2.24*	
33 14 13 43-0060	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	38.78	
		For 1/2" Thick, Add	*2.62*	
33 14 13 43-0061	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	50.55	
		For 1/2" Thick, Add	*2.98*	
33 14 13 43-0062	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	60.53	
		For 1/2" Thick, Add	*2.86*	
33 14 13 43-0063	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	73.33	
		For 1/2" Thick, Add	*3.18*	
33 14 13 43-0064	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	88.94	
		For 1/2" Thick, Add	*3.81*	
33 14 13 43-0065	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	106.90	
		For 1/2" Thick, Add	*4.76*	
33 14 13 43-0066	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	128.66	
		For 1/2" Thick, Add	*5.72*	
33 14 13 43-0067	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	150.14	
		For 1/2" Thick, Add	*4.90*	
33 14 13 43-0068	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	171.52	
		For 1/2" Thick, Add	*5.60*	
33 14 13 43-0069	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	193.00	
		For 1/2" Thick, Add	*6.30*	
33 14 13 43-0070	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	214.47	
		For 1/2" Thick, Add	*7.00*	
33 14 13 43-0071	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	235.85	
		For 1/2" Thick, Add	*4.11*	
33 14 13 43-0072	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	257.32	
		For 1/2" Thick, Add	*4.48*	
33 14 13 43-0073	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	278.80	
		For 1/2" Thick, Add	*4.86*	

33 14 13 43-0074 Cement Fitting Lining *(33 14 13 43-0053)*

Note: Shop applied.

33 14 13 43-0075	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	13.19	
		For 1/2" Thick, Add	*1.12*	
33 14 13 43-0076	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	16.96	
		For 1/2" Thick, Add	*1.49*	
33 14 13 43-0077	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	23.94	
		For 1/2" Thick, Add	*1.94*	
33 14 13 43-0078	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	39.62	
		For 1/2" Thick, Add	*2.98*	
33 14 13 43-0079	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	60.42	
		For 1/2" Thick, Add	*4.48*	
33 14 13 43-0080	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	90.04	
		For 1/2" Thick, Add	*6.03*	
33 14 13 43-0081	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	133.78	
		For 1/2" Thick, Add	*7.75*	
33 14 13 43-0082	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	181.59	
		For 1/2" Thick, Add	*8.57*	
33 14 13 43-0083	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	244.32	
		For 1/2" Thick, Add	*10.58*	
33 14 13 43-0084	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	355.78	
		For 1/2" Thick, Add	*15.24*	

33 14 13 43-0085 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0086	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.69
33 14 13 43-0087	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	2.74
33 14 13 43-0088	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	3.30
33 14 13 43-0089	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	4.13
33 14 13 43-0090	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	5.62
33 14 13 43-0091	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	7.18
33 14 13 43-0092	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	9.18
33 14 13 43-0093	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	10.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0094	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	12.89	
33 14 13 43-0095	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	13.85	

33 14 13 43-0096 Enecon Polymeric Pipe Wrap *(33 14 13 43)*

Note: 1/4" thick polymeric wrap with three layers of integrated reinforcement. Includes minimal surface preparation.

33 14 13 43-0097	LF	6" Diameter Pipe, Enecon Polymeric Pipe Wrap	422.28	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*168.91*	
		For <10', Add	*422.28*	
33 14 13 43-0098	LF	8" Diameter Pipe, Enecon Polymeric Pipe Wrap	571.32	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*228.53*	
		For <10', Add	*571.32*	
33 14 13 43-0099	LF	10" Diameter Pipe, Enecon Polymeric Pipe Wrap	695.52	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*278.21*	
		For <10', Add	*695.52*	
33 14 13 43-0100	LF	12" Diameter Pipe, Enecon Polymeric Pipe Wrap	819.72	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*327.89*	
		For <10', Add	*819.72*	
33 14 13 43-0101	LF	14" Diameter Pipe, Enecon Polymeric Pipe Wrap	894.24	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*357.70*	
		For <10', Add	*894.24*	
33 14 13 43-0102	LF	16" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,018.44	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*407.38*	
		For <10', Add	*1,018.44*	
33 14 13 43-0103	LF	18" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,167.48	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*466.99*	
		For <10', Add	*1,167.48*	
33 14 13 43-0104	LF	20" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,304.10	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*521.64*	
		For <10', Add	*1,304.10*	
33 14 13 43-0105	LF	22" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,428.30	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*571.32*	
33 14 13 43-0106	LF	24" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,552.50	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*621.00*	
33 14 13 43-0107	LF	26" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,689.12	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*675.65*	
33 14 13 43-0108	LF	28" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,813.32	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*725.33*	
33 14 13 43-0109	LF	30" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,962.36	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*588.71*	
33 14 13 43-0110	LF	32" Diameter Pipe, Enecon Polymeric Pipe Wrap	2,061.72	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*618.52*	
33 14 13 43-0111	LF	34" Diameter Pipe, Enecon Polymeric Pipe Wrap	2,210.76	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*663.23*	
33 14 13 43-0112	LF	36" Diameter Pipe, Enecon Polymeric Pipe Wrap	2,334.96	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*700.49*	
33 14 13 43-0113	LF	42" Diameter Pipe, Enecon Polymeric Pipe Wrap	2,732.40	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*819.72*	
33 14 13 43-0114	LF	48" Diameter Pipe, Enecon Polymeric Pipe Wrap	3,129.84	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*938.95*	
33 14 13 43-0115	LF	60" Diameter Pipe, Enecon Polymeric Pipe Wrap	3,875.04	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*1,162.51*	
33 14 13 43-0116	LF	96" Diameter Pipe, Enecon Polymeric Pipe Wrap	6,210.00	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*1,863.00*	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	264.27	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	369.51	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	381.88	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	315.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	396.29	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	330.09	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	415.07	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	371.33	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	437.26	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	387.35	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	448.61	
33 14 13 53-0013		Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*		
		Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	222.41	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	222.56	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	236.79	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	226.17	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	241.95	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	267.32	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	284.28	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	260.22	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	285.81	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	300.35	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.60	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	300.97	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	315.45	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	289.44	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	315.07	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.38	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	477.90	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	490.27	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	313.15	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	344.03	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	357.33	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	564.77	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	349.91	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	386.84	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	629.73	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	380.23	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	419.25	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	434.36	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	701.84	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	442.38	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	473.08	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	508.95	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	860.01	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	454.77	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	516.57	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	538.04	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	923.78	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	475.14	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	539.18	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	561.22	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	961.23	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	525.03	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	605.98	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	596.97	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	660.35	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	623.36	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	702.87	
33 14 13 53-0061		Double Bale Bronze Service Saddles *(33 14 13 53)*		
33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	305.77	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	334.01	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	347.46	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	375.95	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	386.56	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	406.27	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	375.54	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	399.25	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	473.91	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	512.05	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	707.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	798.03	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	821.72	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	916.15	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	320.84	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	353.03	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	365.26	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	396.28	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	408.56	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	429.45	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	459.41	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	491.40	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	494.07	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	534.81	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	757.34	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	868.68	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	881.00	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	959.17	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,871.73	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,871.73	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,942.21	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,942.21	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,084.87	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,084.87	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,420.55	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,715.82	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,050.40	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,168.70	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,283.31	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,448.44	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,519.87	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,469.02	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,633.48	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,032.67	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,134.80	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,892.96	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,078.65	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,162.74	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,199.52	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,463.48	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,453.40	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,478.18	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,685.55	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,735.29	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,789.90	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,918.47	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,171.28	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,360.27	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,827.18	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,961.68	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,365.26	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,707.86	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,355.05	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,533.82	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,604.28	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,950.99	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,434.11	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,697.96	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,725.35	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,888.19	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,935.33	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,502.92	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,716.40	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,765.93	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,225.31	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,444.68	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,170.60	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,244.79	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,360.37	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,401.04	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,459.09	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,674.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,529.97	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,586.49	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,775.70	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,446.17	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,721.28	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,803.80	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,990.00	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,590.72	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,823.97	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,259.45	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,327.87	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,726.47	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,220.48	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,542.00	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,682.03	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,752.64	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,016.79	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,722.98	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,890.52	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,846.30	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,973.53	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,149.97	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,980.82	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,148.16	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,433.26	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,503.72	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,898.63	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,565.87	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,849.46	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,706.61	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,860.01	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,066.88	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,013.56	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,188.00	
33 14 13 53-0181		Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*		
33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,351.65	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,473.46	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,559.63	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,592.32	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,691.45	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,985.93	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,826.10	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,935.91	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,199.95	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,962.98	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,084.82	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,234.22	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,582.76	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,036.61	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,383.78	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,379.23	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,562.33	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,954.67	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,408.97	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,649.62	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,899.61	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,149.62	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,340.31	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,828.70	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,160.29	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,197.49	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,570.74	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,769.73	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,199.00	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,766.68	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,454.00	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,826.30	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,988.11	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,786.26	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,230.87	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,089.62	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,143.28	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,337.18	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,289.72	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,798.50	
33 14 13 53-0222		Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	332.67	61.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	416.83	77.79
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	548.26	107.29
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	710.12	126.07
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,113.40	142.16
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,243.91	160.94
33 14 13 53-0229		**Steel Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	484.53	61.70
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	573.09	77.79
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	765.32	107.29
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	936.03	126.07
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,142.38	142.16
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,331.06	160.94
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,580.94	177.04
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,871.87	193.13
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,210.12	212.45
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,611.19	233.69
33 14 13 53-0240		**Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	426.99	77.79
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	573.33	107.29
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	635.10	126.07
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	925.84	142.16
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,178.52	160.94
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,321.71	177.04
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,553.15	193.13
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,742.84	212.45
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,093.79	233.69
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,521.38	257.08
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,242.77	282.72
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,073.13	311.05
33 14 13 53-0253		**Ductile Iron Body, Omni Coupling System** *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	150.92	42.92
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	186.10	50.96
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	230.34	61.70
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	289.27	77.79
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	386.07	107.29
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	468.90	126.07
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	585.26	142.16
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	684.25	160.94
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	960.26	177.04
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,196.94	193.13
33 14 13 53-0264		**Fabricated Coupling (Smith-Blair 411)** *(33 14 13 53)*		
33 14 13 53-0265	EA	4" Steel Fabricated Coupling	492.03	173.69
33 14 13 53-0266	EA	6" Steel Fabricated Coupling	654.06	216.82
33 14 13 53-0267	EA	8" Steel Fabricated Coupling	759.10	247.96
33 14 13 53-0268	EA	10" Steel Fabricated Coupling	1,069.05	395.31
33 14 13 53-0269	EA	12" Steel Fabricated Coupling	1,209.93	431.24
33 14 13 53-0270	EA	14" Steel Fabricated Coupling	1,515.16	474.37
33 14 13 53-0271	EA	16" Steel Fabricated Coupling	1,829.96	527.07
33 14 13 53-0272	EA	18" Steel Fabricated Coupling	1,973.39	592.96
33 14 13 53-0273	EA	20" Steel Fabricated Coupling	2,336.47	676.81
33 14 13 53-0274	EA	24" Steel Fabricated Coupling	2,834.16	790.61
33 14 13 53-0275	EA	30" Steel Fabricated Coupling	3,925.21	948.74
33 14 13 53-0276	EA	36" Steel Fabricated Coupling	5,009.21	1,185.92
33 14 13 53-0277	EA	42" Steel Fabricated Coupling	5,788.87	1,353.63
33 14 13 53-0278	EA	48" Steel Fabricated Coupling	6,818.00	1,581.22
33 14 13 53-0279		**Transition Coupling (Smith-Blair 413)** *(33 14 13 53)*		
33 14 13 53-0280	EA	4" Steel Transition Coupling	625.63	173.69
33 14 13 53-0281	EA	6" Steel Transition Coupling	870.15	216.82
33 14 13 53-0282	EA	8" Steel Transition Coupling	995.84	247.96
33 14 13 53-0283	EA	10" Steel Transition Coupling	1,399.62	395.31
33 14 13 53-0284	EA	12" Steel Transition Coupling	1,649.40	431.24
33 14 13 53-0285	EA	14" Steel Transition Coupling	1,867.63	474.37
33 14 13 53-0286	EA	16" Steel Transition Coupling	2,251.08	527.07
33 14 13 53-0287	EA	18" Steel Transition Coupling	2,844.53	592.96
33 14 13 53-0288	EA	20" Steel Transition Coupling	3,054.20	676.81
33 14 13 53-0289	EA	24" Steel Transition Coupling	3,690.73	790.61
33 14 13 53-0290	EA	30" Steel Transition Coupling	4,914.07	948.74
33 14 13 53-0291	EA	36" Steel Transition Coupling	5,849.08	1,185.92
33 14 13 53-0292	EA	42" Steel Transition Coupling	6,979.40	1,353.63
33 14 13 53-0293	EA	48" Steel Transition Coupling	7,804.60	1,581.22

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Accessories For Valves *(33 14 19)*

33 14 19 00-0002	EA	1' Valve Extension Stem	116.26	
		For Each Additional LF, Add	*8.51*	
33 14 19 00-0003	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,644.45	105.73
33 14 19 00-0004	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,865.70	116.31
33 14 19 00-0005	EA	Adjust Water Valve Box To Grade	105.73	

33 14 19 00-0006 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0007 Angle Valves *(33 14 19 00-0006)*

Note: For connecting meters to water service.

33 14 19 00-0008 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0007)*

Note: Nibco T-335Y

33 14 19 00-0009	EA	1/2" Threaded, Class 150, Bronze Angle Valve	100.74	18.37
33 14 19 00-0010	EA	3/4" Threaded, Class 150, Bronze Angle Valve	135.86	24.69
33 14 19 00-0011	EA	1" Threaded, Class 150, Bronze Angle Valve	182.77	30.43
33 14 19 00-0012	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	235.29	38.23
33 14 19 00-0013	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	293.57	44.20
33 14 19 00-0014	EA	2" Threaded, Class 150, Bronze Angle Valve	437.03	51.67
33 14 19 00-0015	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	699.10	70.52
33 14 19 00-0016	EA	3" Threaded, Class 150, Bronze Angle Valve	1,059.50	81.41

33 14 19 00-0017 Butterfly Valves *(33 14 19 00-0006)*

33 14 19 00-0018 Lug Type Flanged, Cast Iron Disc, Butterfly Valves *(33 14 19 00-0017)*

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0019	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	1,978.72	195.20
33 14 19 00-0020	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,213.66	195.20
33 14 19 00-0021	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,227.72	302.09
33 14 19 00-0022	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,460.66	302.09
33 14 19 00-0023	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,575.48	372.27
33 14 19 00-0024	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,808.42	372.27
33 14 19 00-0025	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,922.67	475.68
33 14 19 00-0026	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,143.82	475.68
33 14 19 00-0027	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,651.62	579.08
33 14 19 00-0028	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	4,876.61	579.08
33 14 19 00-0029	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,181.34	701.90
33 14 19 00-0030	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,414.28	701.90
33 14 19 00-0031	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	5,623.37	1,001.96
33 14 19 00-0032	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,232.48	1,001.96
33 14 19 00-0033	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	6,547.82	1,102.15
33 14 19 00-0034	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,294.83	1,102.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0035	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,202.83	1,222.39
33 14 19 00-0036	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	8,994.01	1,222.39
33 14 19 00-0037	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	9,399.65	1,377.69
33 14 19 00-0038	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,189.50	1,377.69
33 14 19 00-0039		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0017)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0040	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	15,683.92	1,690.81
33 14 19 00-0041	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	24,452.07	1,690.81
33 14 19 00-0042	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	15,636.93	1,690.81
33 14 19 00-0043	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	32,042.76	2,673.51
33 14 19 00-0044	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	37,959.00	3,564.67
33 14 19 00-0045	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	48,269.01	5,347.01
33 14 19 00-0046	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	63,049.90	6,683.75
33 14 19 00-0047	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	106,268.51	8,020.51
33 14 19 00-0048	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	133,140.21	9,624.61
33 14 19 00-0049	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	190,927.59	11,549.53
33 14 19 00-0050	LF	3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel	17.75	
33 14 19 00-0051	EA	316 Stainless Steel Closing Link For Use With Dezurik Chainwheel Note: One required per valve.	9.40	
33 14 19 00-0052		**Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge** *(33 14 19 00-0017)* Note: AWWA C-504.		
33 14 19 00-0053		**Aboveground Service** *(33 14 19 00-0052)*		
33 14 19 00-0054		**Valve** *(33 14 19 00-0053)*		
33 14 19 00-0055	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	1,541.22	179.75
33 14 19 00-0056	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	1,705.40	301.33
33 14 19 00-0057	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	2,247.60	372.27
33 14 19 00-0058	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	2,651.63	475.68
33 14 19 00-0059	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	3,805.35	579.08
33 14 19 00-0060	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	4,043.33	703.16
33 14 19 00-0061	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	6,505.99	1,001.96
33 14 19 00-0062	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	7,575.25	1,102.15
33 14 19 00-0063	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	9,266.58	1,009.25
33 14 19 00-0064	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	11,165.44	1,137.47
33 14 19 00-0065	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	15,218.45	1,396.00
33 14 19 00-0066		**Valve With 120 Volt AC Electric Motor Operator** *(33 14 19 00-0053)*		
33 14 19 00-0067	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	10,931.58	179.75
33 14 19 00-0068	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	11,111.11	301.33

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0069	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	11,219.68	372.27
33 14 19 00-0070	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	11,589.17	475.68
33 14 19 00-0071	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	12,224.83	579.08
33 14 19 00-0072	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	14,032.34	703.16
33 14 19 00-0073	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	15,140.36	1,001.96
33 14 19 00-0074	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	16,516.63	1,102.15
33 14 19 00-0075	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	23,340.33	1,222.39
33 14 19 00-0076	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	25,606.71	1,377.69
33 14 19 00-0077		**Valve With Pneumatic Or Hydraulic Motor Operator** *(33 14 19 00-0053)*		
33 14 19 00-0078	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	4,764.72	179.75
33 14 19 00-0079	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	4,944.24	301.33
33 14 19 00-0080	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	5,171.78	372.27
33 14 19 00-0081	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	5,537.43	475.68
33 14 19 00-0082	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	7,585.29	579.08
33 14 19 00-0083	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	8,145.61	703.16
33 14 19 00-0084	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	9,096.30	1,001.96
33 14 19 00-0085	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	10,211.61	1,102.15
33 14 19 00-0086	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	11,025.79	1,222.39
33 14 19 00-0087	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	15,705.96	1,377.69
33 14 19 00-0088	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	25,545.17	1,396.00
33 14 19 00-0089		**Buried Service** *(33 14 19 00-0052)*		
33 14 19 00-0090	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service	3,010.14	301.33
33 14 19 00-0091	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	3,214.65	372.27
33 14 19 00-0092	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	4,297.91	475.68
33 14 19 00-0093	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	6,395.66	579.08
33 14 19 00-0094	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	6,710.39	703.16
33 14 19 00-0095	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	10,846.20	1,001.96
33 14 19 00-0096	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	12,790.41	1,102.15
33 14 19 00-0097	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	16,156.53	1,222.39
33 14 19 00-0098	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	18,952.49	1,377.69
33 14 19 00-0099	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	27,272.15	1,690.81
33 14 19 00-0100		**Ductile Iron, Flanged End, Short-Body Type, Class 150, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0017)* Note: Shall confrom to AWWA C504		
33 14 19 00-0101	EA	6" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	1,335.28	380.64
33 14 19 00-0102	EA	8" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	1,703.32	475.68
33 14 19 00-0103	EA	10" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	2,257.44	579.08
33 14 19 00-0104	EA	12" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	2,714.66	703.16
33 14 19 00-0105	EA	14" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	4,258.61	1,001.96
33 14 19 00-0106	EA	16" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	4,954.55	1,102.15
33 14 19 00-0107	EA	18" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	5,545.08	1,222.39
33 14 19 00-0108	EA	20" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	7,133.95	1,377.69
33 14 19 00-0109	EA	24" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	9,617.44	1,690.81
33 14 19 00-0110	EA	30" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	16,932.89	2,673.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0111		**Ductile Iron, Flanged End, Short-Body Type, Class 250, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0017)*		
		Note: Shall confrom to AWWA C504		
33 14 19 00-0112	EA	6" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	3,234.21	380.64
33 14 19 00-0113	EA	8" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	3,659.57	475.68
33 14 19 00-0114	EA	10" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	4,160.99	579.08
33 14 19 00-0115	EA	12" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	5,150.10	703.16
33 14 19 00-0116	EA	14" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	6,440.73	1,001.96
33 14 19 00-0117	EA	16" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	6,794.86	1,102.15
33 14 19 00-0118	EA	18" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	9,007.08	1,222.39
33 14 19 00-0119	EA	20" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	13,166.47	1,377.69
33 14 19 00-0120	EA	24" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	19,505.78	1,690.81
33 14 19 00-0121	EA	30" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	25,663.77	2,673.51
33 14 19 00-0122		**Check Valves** *(33 14 19 00-0006)*		
33 14 19 00-0123		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0122)*		
		Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0124	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,394.80	153.31
33 14 19 00-0125	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,427.52	179.75
33 14 19 00-0126	EA	4" Flanged, Swing Type Gravity Operated Check Valve	1,935.95	227.33
33 14 19 00-0127	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	2,750.14	342.04
33 14 19 00-0128	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	2,847.39	382.00
33 14 19 00-0129	EA	6" Flanged, Swing Type Gravity Operated Check Valve	2,708.62	380.64
33 14 19 00-0130	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,562.41	432.67
33 14 19 00-0131	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	3,707.00	486.37
33 14 19 00-0132	EA	8" Flanged, Swing Type Gravity Operated Check Valve	3,869.86	486.37
33 14 19 00-0133	EA	10" Flanged, Swing Type Gravity Operated Check Valve	6,599.69	592.10
33 14 19 00-0134	EA	12" Flanged, Swing Type Gravity Operated Check Valve	10,060.44	444.08
33 14 19 00-0135	EA	14" Flanged, Swing Type Gravity Operated Check Valve	14,225.69	1,001.96
33 14 19 00-0136	EA	16" Flanged, Swing Type Gravity Operated Check Valve	18,960.62	1,102.15
33 14 19 00-0137	EA	18" Flanged, Swing Type Gravity Operated Check Valve	27,570.25	1,222.39
33 14 19 00-0138	EA	20" Flanged, Swing Type Gravity Operated Check Valve	32,106.71	1,377.69
33 14 19 00-0139		**Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0122)*		
		Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0140	EA	1/4" Threaded, Bronze, Swing Type Check Valve	50.67	18.49
33 14 19 00-0141	EA	3/8" Threaded, Bronze, Swing Type Check Valve	52.43	18.49
33 14 19 00-0142	EA	1/2" Threaded, Bronze, Swing Type Check Valve	49.64	18.49
33 14 19 00-0143	EA	3/4" Threaded, Bronze, Swing Type Check Valve	66.00	24.97
33 14 19 00-0144	EA	1" Threaded, Bronze, Swing Type Check Valve	77.29	30.20
33 14 19 00-0145	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve	108.33	38.23
33 14 19 00-0146	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve	131.73	44.20
33 14 19 00-0147	EA	2" Threaded, Bronze, Swing Type Check Valve	171.43	51.67
33 14 19 00-0148	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve	256.17	70.52
33 14 19 00-0149		**Combination Air Release Valves** *(33 14 19 00-0006)*		
33 14 19 00-0150	EA	1" Combination Air Release Valve	626.96	22.20
33 14 19 00-0151	EA	2" Combination Air Release Valve	1,011.56	38.06
33 14 19 00-0152		**Corporation Stop And Curb Valve** *(33 14 19 00-0006)*		
		Note: AWWA C800		
33 14 19 00-0153		**Ball Corporation Valves** *(33 14 19 00-0152)*		
		Note: Mueller B-25000.		
33 14 19 00-0154	EA	3/4" Ball Corporation Valve (Mueller B-25000)	81.03	22.20
33 14 19 00-0155	EA	1" Ball Corporation Valve (Mueller B-25000)	101.68	27.49
33 14 19 00-0156	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	180.20	40.18
33 14 19 00-0157	EA	2" Ball Corporation Valve (Mueller B-25000)	268.78	47.58
33 14 19 00-0158		**Ground Key Corporation Valves** *(33 14 19 00-0152)*		
		Note: Mueller B-15000.		
33 14 19 00-0159	EA	1/2" Ground Key Corporation Valve	61.39	19.03
33 14 19 00-0160	EA	3/4" Ground Key Corporation Valve	68.05	22.20
33 14 19 00-0161	EA	1" Ground Key Corporation Valve	92.11	27.49
33 14 19 00-0162	EA	1-1/4" Ground Key Corporation Valve	167.32	33.83
33 14 19 00-0163	EA	1-1/2" Ground Key Corporation Valve	175.42	40.18
33 14 19 00-0164	EA	2" Ground Key Corporation Valve	268.72	47.58
33 14 19 00-0165		**Ball Curb Valves** *(33 14 19 00-0152)*		
		Note: Mueller B-25204.		
33 14 19 00-0166	EA	3/4" Ball Curb Valve	96.99	22.20
33 14 19 00-0167	EA	1" Ball Curb Valve	128.66	27.49
33 14 19 00-0168	EA	1-1/2" Ball Curb Valve	242.65	40.18
33 14 19 00-0169	EA	2" Ball Curb Valve	360.23	47.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0170		**O Ring Seal Curb Valves** *(33 14 19 00-0152)* Note: Mueller H-15204.		
33 14 19 00-0171	EA	3/4" O Ring Seal Curb Valve	96.99	22.20
33 14 19 00-0172	EA	1" O Ring Seal Curb Valve	135.90	27.49
33 14 19 00-0173	EA	1-1/4" O Ring Seal Curb Valve	181.70	33.83
33 14 19 00-0174	EA	1-1/2" O Ring Seal Curb Valve	242.65	40.18
33 14 19 00-0175	EA	2" O Ring Seal Curb Valve	360.15	47.58
33 14 19 00-0176		**Corporation Stops** *(33 14 19 00-0152)*		
33 14 19 00-0177	EA	1" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N)	182.16	29.86
33 14 19 00-0178	EA	1-1/2" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N)	388.91	43.63
33 14 19 00-0179	EA	2" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N)	609.59	51.67
33 14 19 00-0180	EA	1" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N)	188.99	29.86
33 14 19 00-0181	EA	1-1/2" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N)	385.42	43.63
33 14 19 00-0182	EA	2" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N)	603.24	51.67
33 14 19 00-0183	EA	1" Bronze Corporatopn Stop, MIP x MIP (Mueller B-20013N)	188.00	29.86
33 14 19 00-0184	EA	1-1/2" Bronze Corporatopn Stop, MIP x MIP (Mueller B-22969N)	338.45	43.63
33 14 19 00-0185	EA	2" Bronze Corporatopn Stop, MIP x MIP (Mueller B-22969N)	538.56	51.67
33 14 19 00-0186		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0006)*		
33 14 19 00-0187		**Gate Valve, Flanged** *(33 14 19 00-0186)* Note: Mueller A-2380-6.		
33 14 19 00-0188	EA	2" Gate Valve, Flanged	854.69	140.94
33 14 19 00-0189	EA	2-1/2" Gate Valve, Flanged	1,002.37	153.31
33 14 19 00-0190	EA	3" Gate Valve, Flanged	1,186.37	179.75
33 14 19 00-0191	EA	4" Gate Valve, Flanged	1,524.77	225.21
33 14 19 00-0192	EA	6" Gate Valve, Flanged	1,913.68	380.64
33 14 19 00-0193	EA	8" Gate Valve, Flanged	2,848.48	486.37
33 14 19 00-0194	EA	10" Gate Valve, Flanged	4,306.55	592.10
33 14 19 00-0195	EA	12" Gate Valve, Flanged	5,194.10	444.08
33 14 19 00-0196	EA	14" Gate Valve, Flanged	11,536.14	1,001.96
33 14 19 00-0197	EA	16" Gate Valve, Flanged	15,119.74	1,102.15
33 14 19 00-0198	EA	18" Gate Valve, Flanged	24,021.33	1,222.39
33 14 19 00-0199	EA	20" Gate Valve, Flanged	28,737.07	1,377.69
33 14 19 00-0200		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0186)* Note: Mueller A-2360-6.		
33 14 19 00-0201	EA	2" Resilient Wedge Gate Valve, Flanged	816.32	140.94
33 14 19 00-0202	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	956.52	153.31
33 14 19 00-0203	EA	3" Resilient Wedge Gate Valve, Flanged	1,131.95	179.75
33 14 19 00-0204	EA	4" Resilient Wedge Gate Valve, Flanged	1,463.94	225.21
33 14 19 00-0205	EA	6" Resilient Wedge Gate Valve, Flanged	1,832.37	380.64
33 14 19 00-0206	EA	8" Resilient Wedge Gate Valve, Flanged	2,721.45	486.37
33 14 19 00-0207	EA	10" Resilient Wedge Gate Valve, Flanged	4,104.70	592.10
33 14 19 00-0208	EA	12" Resilient Wedge Gate Valve, Flanged	4,950.38	444.08
33 14 19 00-0209		**Gate Valve, Mechanical Joint** *(33 14 19 00-0186)* Note: Mueller A-2380-20.		
33 14 19 00-0210	EA	2" Gate Valve, Mechanical Joint	999.27	112.60
33 14 19 00-0211	EA	2-1/2" Gate Valve, Mechanical Joint	1,076.82	141.15
33 14 19 00-0212	EA	3" Gate Valve, Mechanical Joint	1,355.00	170.76
33 14 19 00-0213	EA	4" Gate Valve, Mechanical Joint	1,609.69	225.21
33 14 19 00-0214	EA	6" Gate Valve, Mechanical Joint	2,029.28	264.33
33 14 19 00-0215	EA	8" Gate Valve, Mechanical Joint	2,968.94	317.20
33 14 19 00-0216	EA	10" Gate Valve, Mechanical Joint	4,368.14	370.06
33 14 19 00-0217	EA	12" Gate Valve, Mechanical Joint	5,473.82	444.08
33 14 19 00-0218	EA	14" Gate Valve, Mechanical Joint	12,273.99	613.70
33 14 19 00-0219	EA	16" Gate Valve, Mechanical Joint	15,901.28	688.85
33 14 19 00-0220	EA	18" Gate Valve, Mechanical Joint	25,419.58	763.99
33 14 19 00-0221	EA	20" Gate Valve, Mechanical Joint	30,247.51	861.06
33 14 19 00-0222		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0186)* Note: Mueller A-2360-20.		
33 14 19 00-0223	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	955.45	112.60
33 14 19 00-0224	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,297.63	170.76
33 14 19 00-0225	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,544.07	225.21
33 14 19 00-0226	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	1,944.35	264.33
33 14 19 00-0227	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	2,836.82	317.20
33 14 19 00-0228	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	4,162.80	370.06
33 14 19 00-0229	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	5,214.21	444.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0230		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0186)* Note: Mueller A-2361.		
33 14 19 00-0231	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,222.95	1,001.96
33 14 19 00-0232	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,940.22	1,102.15
33 14 19 00-0233	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	13,904.50	1,222.39
33 14 19 00-0234	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	16,590.01	1,377.69
33 14 19 00-0235	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	23,544.70	1,690.81
33 14 19 00-0236		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0186)* Note: NIBCO T-113.		
33 14 19 00-0237	EA	1/4" Gate Valve, Bronze, Threaded	59.11	18.49
33 14 19 00-0238	EA	3/8" Gate Valve, Bronze, Threaded	60.87	18.49
33 14 19 00-0239	EA	1/2" Gate Valve, Bronze, Threaded	60.29	18.49
33 14 19 00-0240	EA	3/4" Gate Valve, Bronze, Threaded	77.63	24.97
33 14 19 00-0241	EA	1" Gate Valve, Bronze, Threaded	95.72	30.20
33 14 19 00-0242	EA	1-1/4" Gate Valve, Bronze, Threaded	130.14	38.23
33 14 19 00-0243	EA	1-1/2" Gate Valve, Bronze, Threaded	151.01	44.20
33 14 19 00-0244	EA	2" Gate Valve, Bronze, Threaded	183.24	51.67
33 14 19 00-0245	EA	2-1/2" Gate Valve, Bronze, Threaded	353.31	70.52
33 14 19 00-0246	EA	3" Gate Valve, Bronze, Threaded	423.53	80.89
33 14 19 00-0247		**Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 LB With Non-Rising Stem** *(33 14 19 00-0186)* Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0248	EA	2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	512.75	153.06
33 14 19 00-0249	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	529.36	153.31
33 14 19 00-0250	EA	3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	598.73	179.75
33 14 19 00-0251	EA	4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	783.51	301.33
33 14 19 00-0252	EA	5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	974.60	335.04
33 14 19 00-0253	EA	6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	1,182.12	372.27
33 14 19 00-0254	EA	8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	1,723.76	475.68
33 14 19 00-0255	EA	10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	2,412.34	579.08
33 14 19 00-0256	EA	12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	2,846.03	703.16
33 14 19 00-0257		**Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem** *(33 14 19 00-0186)* Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 & C111/A21.11.		
33 14 19 00-0258	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	810.08	153.31
33 14 19 00-0259	EA	3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	904.20	179.75
33 14 19 00-0260	EA	4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	1,271.76	301.33
33 14 19 00-0261	EA	6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	1,917.58	372.27
33 14 19 00-0262	EA	8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	3,046.89	475.68
33 14 19 00-0263	EA	10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	4,615.06	579.08
33 14 19 00-0264	EA	12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non-Rising Stem	7,489.40	703.16
33 14 19 00-0265		**Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve** *(33 14 19 00-0186)*		
33 14 19 00-0266	EA	4", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	1,491.15	225.21
33 14 19 00-0267	EA	6", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	1,919.90	264.33
33 14 19 00-0268	EA	8", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	2,808.47	317.20
33 14 19 00-0269	EA	10", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	4,194.97	370.06
33 14 19 00-0270	EA	12", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	5,059.36	444.08
33 14 19 00-0271	EA	14", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	19,666.36	688.85
33 14 19 00-0272	EA	16", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	21,378.55	1,102.15
33 14 19 00-0273		**Ductile Iron Body, Gate Valve (J & S Valve)** *(33 14 19 00-0186)*		
33 14 19 00-0274	EA	3" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6603.5)	1,043.66	171.28
33 14 19 00-0275	EA	3" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603T.5)	1,043.66	171.28
33 14 19 00-0276	EA	4" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6604.5)	1,447.07	225.21
33 14 19 00-0277	EA	4" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604T)	1,447.07	225.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0278	EA	6" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6606.5)	1,833.48	264.33
33 14 19 00-0279	EA	6" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606T)	1,833.48	264.33
33 14 19 00-0280	EA	8" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6608.5)	2,791.54	317.20
33 14 19 00-0281	EA	8" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608T)	2,791.54	317.20
33 14 19 00-0282	EA	10" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6610.5)	4,059.71	370.06
33 14 19 00-0283	EA	10" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610T)	4,059.71	370.06
33 14 19 00-0284	EA	12" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6612.5)	5,182.94	444.08
33 14 19 00-0285	EA	12" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV- 6612T)	5,182.94	444.08
33 14 19 00-0286	EA	3" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6803.5)	946.44	195.20
33 14 19 00-0287	EA	4" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6804.5)	1,485.77	244.57
33 14 19 00-0288	EA	6" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6806.5)	1,878.91	287.05
33 14 19 00-0289	EA	8" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6808.5)	2,846.05	344.46
33 14 19 00-0290	EA	10" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6810.5)	4,123.32	401.86
33 14 19 00-0291	EA	12" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6812.5)	5,259.25	482.24
33 14 19 00-0292	EA	3" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6903.5)	927.11	179.75
33 14 19 00-0293	EA	4" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6904.5)	1,447.07	225.21
33 14 19 00-0294	EA	6" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6906.5)	1,833.48	264.33
33 14 19 00-0295	EA	8" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6908.5)	2,791.54	317.20
33 14 19 00-0296	EA	10" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6910.5)	4,059.71	370.06
33 14 19 00-0297	EA	12" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6912.5)	5,182.94	444.08
33 14 19 00-0298	EA	2" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6302)	806.52	51.67
33 14 19 00-0299	EA	2-1/2" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6302.5)	855.23	76.93
33 14 19 00-0300	EA	3" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6303)	878.79	88.41
33 14 19 00-0301	EA	4" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6404)	1,374.27	301.33
33 14 19 00-0302	EA	6" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6406)	1,771.82	372.27
33 14 19 00-0303	EA	8" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6408)	2,748.04	475.68
33 14 19 00-0304	EA	10" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6410)	4,043.42	579.08
33 14 19 00-0305	EA	12" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6412)	5,172.18	703.16
33 14 19 00-0306	EA	4" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6504)	1,365.96	294.71
33 14 19 00-0307	EA	6" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6506)	1,771.82	372.27
33 14 19 00-0308	EA	8" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6508)	2,748.04	475.68
33 14 19 00-0309	EA	10" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6510)	4,043.42	579.08
33 14 19 00-0310	EA	12" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6512)	5,172.18	703.16
33 14 19 00-0311	EA	2" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6602)	659.47	152.71
33 14 19 00-0312	EA	3" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603)	946.44	195.20
33 14 19 00-0313	EA	3" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603T)	927.11	179.75
33 14 19 00-0314	EA	4" Non-Rising Stem (NRS), Flange x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604)	1,447.07	225.21
33 14 19 00-0315	EA	4" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604T)	1,447.07	225.21
33 14 19 00-0316	EA	6" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606)	1,833.48	264.33
33 14 19 00-0317	EA	6" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606T)	1,833.48	264.33
33 14 19 00-0318	EA	8" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608)	2,791.54	317.20
33 14 19 00-0319	EA	8" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608T)	2,791.54	317.20
33 14 19 00-0320	EA	10" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610)	4,059.71	370.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0321	EA	10" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610T)	4,059.71	370.06
33 14 19 00-0322	EA	12" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6612)	5,182.94	444.08
33 14 19 00-0323	EA	12" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6612T)	5,182.94	444.08
33 14 19 00-0324	EA	14" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6614)	12,455.55	1,001.96
33 14 19 00-0325	EA	16" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6616)	16,859.97	1,102.15
33 14 19 00-0326	EA	18" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6618)	28,515.97	1,222.39
33 14 19 00-0327	EA	20" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6620)	34,730.68	1,377.69
33 14 19 00-0328	EA	24" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6624)	44,928.68	1,690.81
33 14 19 00-0329	EA	2" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6702)	952.03	152.71
33 14 19 00-0330	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6702.5)	1,016.23	166.49
33 14 19 00-0331	EA	3" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6703)	1,051.77	195.20
33 14 19 00-0332	EA	4" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6704)	1,566.05	225.21
33 14 19 00-0333	EA	5" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6705)	2,282.69	243.19
33 14 19 00-0334	EA	6" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6706)	2,324.98	264.33
33 14 19 00-0335	EA	8" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6708)	3,080.20	317.20
33 14 19 00-0336	EA	10" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6710)	5,044.66	370.06
33 14 19 00-0337	EA	12" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6712)	5,551.57	444.08
33 14 19 00-0338	EA	14" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6714)	14,070.48	1,001.96
33 14 19 00-0339	EA	16" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6716)	19,163.39	1,102.15
33 14 19 00-0340	EA	18" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6718)	30,513.18	1,222.39
33 14 19 00-0341	EA	20" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6720)	39,573.52	1,377.69
33 14 19 00-0342	EA	24" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6724)	51,308.44	1,690.81
33 14 19 00-0343	EA	2-1/2" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6802.5)	723.67	166.49
33 14 19 00-0344	EA	3" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6803)	946.44	195.20
33 14 19 00-0345	EA	4" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6804)	1,447.07	225.21
33 14 19 00-0346	EA	5" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6805)	1,791.19	243.19
33 14 19 00-0347	EA	6" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6806)	1,833.48	264.33
33 14 19 00-0348	EA	8" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6808)	2,791.54	317.20
33 14 19 00-0349	EA	10" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6810)	4,059.71	370.06
33 14 19 00-0350	EA	12" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6812)	5,182.94	444.08
33 14 19 00-0351	EA	14" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6814)	12,455.55	1,001.96
33 14 19 00-0352	EA	16" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6816)	16,859.97	1,102.15
33 14 19 00-0353	EA	18" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6818)	28,515.97	1,222.39
33 14 19 00-0354	EA	20" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6820)	34,730.68	1,377.69
33 14 19 00-0355	EA	24" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6824)	44,928.68	1,690.81
33 14 19 00-0356	EA	2" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6902)	659.47	152.71
33 14 19 00-0357	EA	2-1/2" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6902.5)	723.67	166.49
33 14 19 00-0358	EA	3" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6903)	946.44	195.20
33 14 19 00-0359	EA	4" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6904)	1,447.07	225.21
33 14 19 00-0360	EA	6" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6906)	1,833.48	264.33
33 14 19 00-0361	EA	8" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6908)	2,791.54	317.20
33 14 19 00-0362	EA	10" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6910)	4,059.71	370.06

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33 14 19 00-0363	EA	12" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6912)	5,182.94	444.08
33 14 19 00-0364	EA	14" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6914)	12,455.55	1,001.96
33 14 19 00-0365	EA	16" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6916)	16,859.97	1,102.15
33 14 19 00-0366	EA	18" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6918)	28,515.97	1,222.39
33 14 19 00-0367	EA	20" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6920)	34,730.68	1,377.69
33 14 19 00-0368	EA	24" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6924)	44,928.68	1,690.81
33 14 19 00-0369	EA	2" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3702)	1,037.84	152.71
33 14 19 00-0370	EA	3" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3703)	1,326.77	195.20
33 14 19 00-0371	EA	4" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3704)	1,983.43	225.21
33 14 19 00-0372	EA	6" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3706)	2,560.98	264.33
33 14 19 00-0373	EA	8" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3708)	4,260.19	317.20
33 14 19 00-0374	EA	10" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3710)	6,474.31	370.06
33 14 19 00-0375	EA	12" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3712)	8,231.42	444.08
33 14 19 00-0376	EA	14" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3714)	22,628.83	1,001.96
33 14 19 00-0377	EA	16" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3716)	31,035.47	1,102.15
33 14 19 00-0378	EA	18" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3718)	48,560.23	1,222.39
33 14 19 00-0379	EA	20" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3720)	63,618.05	1,377.69
33 14 19 00-0380	EA	24" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3724)	86,567.77	1,690.81
33 14 19 00-0381	EA	2" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3802)	1,006.64	152.71
33 14 19 00-0382	EA	2-1/2" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3802.5)	1,230.77	166.49
33 14 19 00-0383	EA	3" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3803)	1,266.31	195.20
33 14 19 00-0384	EA	4" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3804)	1,895.67	225.21
33 14 19 00-0385	EA	6" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3806)	2,445.90	264.33
33 14 19 00-0386	EA	8" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3808)	4,055.40	317.20
33 14 19 00-0387	EA	10" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3810)	6,150.54	370.06
33 14 19 00-0388	EA	12" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3812)	7,819.88	444.08
33 14 19 00-0389	EA	14"Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3814)	21,421.54	1,001.96
33 14 19 00-0390	EA	16" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3816)	30,830.68	1,102.15
33 14 19 00-0391	EA	18" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3818)	47,372.44	1,222.39
33 14 19 00-0392	EA	20" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3820)	61,589.64	1,377.69
33 14 19 00-0393	EA	24" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3824)	83,261.84	1,690.81
33 14 19 00-0394	EA	3" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3903)	1,266.31	195.20
33 14 19 00-0395	EA	4" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3904)	1,895.67	225.21
33 14 19 00-0396	EA	6" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3906)	2,445.90	264.33
33 14 19 00-0397	EA	8" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3908)	4,055.40	317.20
33 14 19 00-0398	EA	10" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3910)	6,150.54	370.06
33 14 19 00-0399	EA	12" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3912)	7,819.88	444.08

33 14 19 00-0400 Plug Valves *(33 14 19 00-0006)*

33 14 19 00-0401 Ductile Iron Body, Plug Valve (J & S Valve) *(33 14 19 00-0400)*

33 14 19 00-0402	EA	3" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4803)	1,557.09	179.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0403	EA	4" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4804)	1,818.97	301.33
33 14 19 00-0404	EA	6" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4806)	2,495.42	372.27
33 14 19 00-0405	EA	8" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4808)	3,820.72	475.68
33 14 19 00-0406	EA	10" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4810)	6,469.72	579.08
33 14 19 00-0407	EA	12" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4812)	8,973.50	703.16
33 14 19 00-0408	EA	14" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4814)	14,111.44	1,001.96
33 14 19 00-0409	EA	16"Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4816)	19,069.77	1,102.15
33 14 19 00-0410	EA	18" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4818)	28,006.92	1,222.39
33 14 19 00-0411	EA	20" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4820)	40,720.36	1,377.69
33 14 19 00-0412	EA	24" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4824)	67,699.60	1,690.81
33 14 19 00-0413	EA	30" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4830)	129,506.38	2,755.38
33 14 19 00-0414	EA	36" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4836)	163,253.45	3,757.34
33 14 19 00-0415		Globe Valve, AWWA *(33 14 19 00-0006)*		
33 14 19 00-0416		Globe Valve, Threaded, WW-V-51 Class B, Type 1 *(33 14 19 00-0415)* Note: NIBCO T-235.		
33 14 19 00-0417	EA	1/8" Globe Valve, Threaded	83.69	18.49
33 14 19 00-0418	EA	1/4" Globe Valve, Threaded	80.14	18.49
33 14 19 00-0419	EA	3/8" Globe Valve, Threaded	81.90	18.49
33 14 19 00-0420	EA	1/2" Globe Valve, Threaded	83.69	18.49
33 14 19 00-0421	EA	3/4" Globe Valve, Threaded	113.64	24.97
33 14 19 00-0422	EA	1" Globe Valve, Threaded	159.49	30.20
33 14 19 00-0423	EA	1-1/4" Globe Valve, Threaded	233.19	38.23
33 14 19 00-0424	EA	1-1/2" Globe Valve, Threaded	278.38	44.20
33 14 19 00-0425	EA	2" Globe Valve, Threaded	388.45	51.67
33 14 19 00-0426	EA	2-1/2" Globe Valve, Threaded	713.21	70.52
33 14 19 00-0427	EA	3" Globe Valve, Threaded	976.54	81.31
33 14 19 00-0428		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0006)*		
33 14 19 00-0429		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0428)* Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0430	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,220.48	140.94
33 14 19 00-0431	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,572.88	179.75
33 14 19 00-0432	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,898.12	225.21
33 14 19 00-0433	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,484.21	380.64
33 14 19 00-0434	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,580.17	486.37
33 14 19 00-0435	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,195.74	592.10
33 14 19 00-0436	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	7,697.88	444.08
33 14 19 00-0437	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	14,111.53	1,001.96
33 14 19 00-0438	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	17,846.86	1,102.15
33 14 19 00-0439	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	28,856.97	1,222.39
33 14 19 00-0440		Ball Meter Valves *(33 14 19 00-0006)*		
33 14 19 00-0441	EA	3/4" Ball Meter Valve (Ford B43-342W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	137.49	28.71
33 14 19 00-0442	EA	1" Ball Meter Valve (Ford B43-444W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	149.36	30.43
33 14 19 00-0443	EA	1-1/2" Ball Meter Valve (Ford BF43-666W) Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	285.55	51.67
33 14 19 00-0444	EA	2" Ball Meter Valve (Ford BF43-777W) Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	399.18	52.24
33 14 19 00-0445	EA	3/4" Threaded Ball Meter Valve (Mueller B-20200)	140.29	28.71
33 14 19 00-0446	EA	1" Threaded Ball Meter Valve (Mueller B-20200)	187.40	30.43
33 14 19 00-0447	EA	1-1/2" Threaded Ball Meter Valve (Mueller B-20200)	338.30	51.67
33 14 19 00-0448	EA	2" Threaded Ball Meter Valve (Mueller B-20200)	446.49	52.24
33 14 19 00-0449	EA	3/4", 150 PSI, Ball Valve (Ford B13-332W)	173.96	28.71
33 14 19 00-0450	EA	1", 150 PSI, Ball Valve (Ford B13-444W)	283.31	30.43
33 14 19 00-0451	EA	1-1/2", 150 PSI, Ball Valve (Ford B13-666W)	651.26	51.67
33 14 19 00-0452	EA	2", 150 PSI, Ball Valve (Ford B13-777W)	884.28	52.24
33 14 19 00-0453	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Swivel Meter Nut (Mueller B-2458N)	306.11	34.45
33 14 19 00-0454	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Swivel Meter Nut (Mueller B-2455N	298.17	34.45
33 14 19 00-0455	EA	2" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Meter Flange (Mueller B-24276N	736.17	52.81
33 14 19 00-0456	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Meter Flange (Mueller B-24277N)	298.17	34.45
33 14 19 00-0457	EA	3/4" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351)	178.16	25.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0458	EA	1" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351)	251.42	29.86
33 14 19 00-0459	EA	1-1/2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337)	420.14	43.63
33 14 19 00-0460	EA	2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337)	679.89	51.67
33 14 19 00-0461		Yokes And Angles *(33 14 19 00-0006)*		
33 14 19 00-0462		Yoke, Meter *(33 14 19 00-0461)*		
33 14 19 00-0463	EA	Yoke, Meter, 5/8"	53.88	17.22
33 14 19 00-0464	EA	Yoke, Meter, 3/4"	61.09	18.94
33 14 19 00-0465	EA	Yoke, Meter, 1"	79.88	21.82
33 14 19 00-0466		Angles And Ells *(33 14 19 00-0461)*		
33 14 19 00-0467	EA	1-1/2" Flanged Angle, ELL	133.06	12.05
33 14 19 00-0468	EA	ELL, Yoke, With Female I.P.T.	39.83	10.33
33 14 19 00-0469		Air Release and Vacuum Combination Valves *(33 14 19 00-0006)*		
33 14 19 00-0470		Air Release and Vacuum Combination Valves, Ductile Iron Body (APCo or Crispin) *(33 14 19 00-0469)*		
33 14 19 00-0471	EA	1" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	700.39	22.20
33 14 19 00-0472	EA	1-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	884.78	30.67
33 14 19 00-0473	EA	2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,068.14	38.59
33 14 19 00-0474	EA	2-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,424.67	52.87
33 14 19 00-0475	EA	3" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,776.47	64.50
33 14 19 00-0476	EA	4" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body	2,726.50	176.15
33 14 19 00-0477	EA	6" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body	3,415.50	191.00
33 14 19 00-0478		Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories, Ltd., D-040-C "Barak") *(33 14 19 00-0469)*		
33 14 19 00-0479	EA	1" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	358.44	22.20
33 14 19 00-0480	EA	1-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	593.08	30.67
33 14 19 00-0481	EA	2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	826.68	38.06
33 14 19 00-0482	EA	2-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,207.15	52.87
33 14 19 00-0483	EA	3" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,582.37	64.50
33 14 19 00-0484		Pressure Reducing Valves *(33 14 19 00-0006)*		
33 14 19 00-0485		Pressure Reducing Valves, Ductile Iron Body (Cla-Val Model 100-42 700 Series Roll Seal) *(33 14 19 00-0484)*		
33 14 19 00-0486	EA	2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	2,341.09	112.60
33 14 19 00-0487	EA	2-1/2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	2,695.00	141.15
33 14 19 00-0488	EA	3" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	3,051.03	169.17
33 14 19 00-0489	EA	4" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	4,873.85	225.21
33 14 19 00-0490	EA	6" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	7,296.87	264.33
33 14 19 00-0491	EA	8" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	12,432.71	317.20
33 14 19 00-0492	EA	10" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	23,285.33	370.06
33 14 19 00-0493	EA	12" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	29,176.21	444.08
33 14 19 00-0494		Booster Pump Control Valves *(33 14 19 00-0006)*		
33 14 19 00-0495		Pump Control Valves, Ductile Iron Body (Cla-Val Model 60-08/660-08) *(33 14 19 00-0494)*		
33 14 19 00-0496	EA	2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	7,912.73	112.60
33 14 19 00-0497	EA	2-1/2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	8,577.42	141.15
33 14 19 00-0498	EA	3" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	9,244.23	169.17
33 14 19 00-0499	EA	4" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	10,866.07	225.21
33 14 19 00-0500	EA	6" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	13,341.19	264.33
33 14 19 00-0501	EA	8" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	18,934.82	317.20
33 14 19 00-0502	EA	10" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	24,729.42	370.06
33 14 19 00-0503	EA	12" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	39,930.54	444.08
33 14 19 00-0504	EA	14" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	64,999.72	613.70
33 14 19 00-0505	EA	16" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	74,523.54	688.85
33 14 19 00-0506	EA	18" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	57,406.88	763.99
33 14 19 00-0507	EA	20" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	58,994.20	861.06
33 14 19 00-0508		Water Service Meter Accessories *(33 14 19 00-0006)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0509	EA	Bronge Meter Flange With Gasket For 1-1/2" And 2" Meters (AY McDonald 610F)	181.40	29.86
33 14 19 00-0510	EA	3/4" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	197.65	24.12
33 14 19 00-0511	EA	1" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	297.00	29.86
33 14 19 00-0512	EA	1-1/2" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	465.04	43.63
33 14 19 00-0513	EA	2" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	721.17	51.67
33 14 19 00-0514		Fire Hydrants *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0515		Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0514)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0516	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,570.45	289.54
33 14 19 00-0517	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,636.96	289.54
33 14 19 00-0518	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,703.64	289.54
33 14 19 00-0519	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,790.68	310.22
33 14 19 00-0520	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,857.26	310.22
33 14 19 00-0521	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,949.75	336.07
33 14 19 00-0522	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,016.22	336.07
33 14 19 00-0523	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,108.73	361.92
33 14 19 00-0524	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,175.30	361.92
33 14 19 00-0525	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,267.62	387.77
33 14 19 00-0526	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,360.03	413.63
33 14 19 00-0527	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,478.18	465.33
33 14 19 00-0528	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,631.15	289.54
33 14 19 00-0529	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,717.46	289.54
33 14 19 00-0530	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,803.56	289.54
33 14 19 00-0531	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,910.34	310.22
33 14 19 00-0532	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,996.44	310.22
33 14 19 00-0533	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,108.71	336.07
33 14 19 00-0534	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,194.70	336.07
33 14 19 00-0535	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,306.74	361.92
33 14 19 00-0536	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,392.82	361.92
33 14 19 00-0537	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,504.62	387.77
33 14 19 00-0538	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,616.79	413.63
33 14 19 00-0539	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,754.44	465.33
33 14 19 00-0540		Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0514)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0541	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,205.37	289.54
33 14 19 00-0542	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,271.65	289.54
33 14 19 00-0543	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,338.31	289.54
33 14 19 00-0544	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,425.63	310.22
33 14 19 00-0545	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,491.99	310.22
33 14 19 00-0546	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,584.33	336.07
33 14 19 00-0547	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,650.90	336.07
33 14 19 00-0548	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,743.47	361.92
33 14 19 00-0549	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,809.90	361.92
33 14 19 00-0550	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,902.58	387.77
33 14 19 00-0551	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,994.57	413.63
33 14 19 00-0552	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,112.86	465.33
33 14 19 00-0553	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,299.13	289.54
33 14 19 00-0554	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,385.25	289.54
33 14 19 00-0555	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,471.24	289.54
33 14 19 00-0556	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,578.24	310.22
33 14 19 00-0557	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,664.12	310.22
33 14 19 00-0558	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,776.24	336.07
33 14 19 00-0559	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,862.17	336.07
33 14 19 00-0560	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,974.49	361.92
33 14 19 00-0561	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,060.37	361.92
33 14 19 00-0562	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,172.47	387.77
33 14 19 00-0563	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,284.22	413.63
33 14 19 00-0564	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,422.34	465.33
33 14 19 00-0565		Three Way, Modern Model Fire Hydrant *(33 14 19 00-0514)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0566	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,725.67	289.54
33 14 19 00-0567	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	3,811.66	289.54
33 14 19 00-0568	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,897.91	289.54
33 14 19 00-0569	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,004.74	310.22
33 14 19 00-0570	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,090.79	310.22
33 14 19 00-0571	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,202.74	336.07
33 14 19 00-0572	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,288.91	336.07
33 14 19 00-0573	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,400.88	361.92
33 14 19 00-0574	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,486.96	361.92
33 14 19 00-0575	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,598.91	361.92
33 14 19 00-0576	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,711.13	413.63
33 14 19 00-0577	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	4,847.88	413.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0578		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0514)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0579	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,647.41	289.54
33 14 19 00-0580	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,712.85	289.54
33 14 19 00-0581	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,779.02	289.54
33 14 19 00-0582	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,864.37	310.22
33 14 19 00-0583	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,929.79	310.22
33 14 19 00-0584	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,021.06	336.07
33 14 19 00-0585	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,086.46	336.07
33 14 19 00-0586	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,177.81	361.92
33 14 19 00-0587	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,243.04	361.92
33 14 19 00-0588	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,334.33	387.77
33 14 19 00-0589	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,425.70	413.63
33 14 19 00-0590	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,542.01	465.33
33 14 19 00-0591		**Safetop Model With Breakable Section** *(33 14 19 00-0514)*		
		Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0592	EA	4" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,661.77	206.81
33 14 19 00-0593	EA	6" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,846.65	232.66
33 14 19 00-0594	EA	8" Safetop Model Fire Hydrant Breakable With 5' Burial Section	3,103.70	258.52
33 14 19 00-0595		**Fire Hydrant Extension Kits** *(33 14 19 00-0514)*		
33 14 19 00-0596	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	550.61	25.85
33 14 19 00-0597	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	654.01	32.31
33 14 19 00-0598	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	712.88	38.78
33 14 19 00-0599	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	809.80	47.83
33 14 19 00-0600	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,225.78	49.77
33 14 19 00-0601	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,309.39	51.70
33 14 19 00-0602	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,329.07	54.29
33 14 19 00-0603	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,403.67	58.16
33 14 19 00-0604	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,546.77	69.80
33 14 19 00-0605	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,630.93	84.02
33 14 19 00-0606	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	612.55	28.96
33 14 19 00-0607	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	725.10	35.16
33 14 19 00-0608	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	831.83	42.39
33 14 19 00-0609	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	929.26	52.74
33 14 19 00-0610	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,274.66	54.81
33 14 19 00-0611	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,359.33	56.87
33 14 19 00-0612	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,417.43	59.98
33 14 19 00-0613	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,658.66	64.11
33 14 19 00-0614	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,816.95	76.52
33 14 19 00-0615	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,907.62	92.03
33 14 19 00-0616		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0514)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0617	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	827.25	
33 14 19 00-0618	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,206.41	
33 14 19 00-0619	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,225.93	
33 14 19 00-0620		**Hydrant Head Replacement** *(33 14 19 00-0514)*		
33 14 19 00-0621	EA	4" x 2-1/2" Bronze Hydrant Head Only With 2-1/2" Dome Cap (James Jones J-3708)	4,939.75	413.63
33 14 19 00-0622		**Insertion Valves** *(33 14 19)*		
33 14 19 00-0623	EA	4" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	4,029.78	192.43
33 14 19 00-0624	EA	6" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	4,496.40	211.47
33 14 19 00-0625	EA	8" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	5,240.37	317.20
33 14 19 00-0626	EA	10" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	8,059.84	370.06
33 14 19 00-0627	EA	12" Diameter x 24" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	9,794.58	449.37
33 14 19 00-0628		**Yard Hydrants** *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0629	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	365.48	34.45
33 14 19 00-0630	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	393.01	34.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0631	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	420.53	34.45
33 14 19 00-0632	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	336.03	43.63
33 14 19 00-0633	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	352.45	43.63
33 14 19 00-0634	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	368.86	43.63
33 14 19 00-0635		Sanitary Yard Hydrants *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0636	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,665.59	71.77
33 14 19 00-0637	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,751.61	71.77
33 14 19 00-0638	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,837.62	71.77
33 14 19 00-0639		Flushing Hydrants *(33 14 19)*		
33 14 19 00-0640	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	860.93	44.21
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)*		
		Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0473 for Enclosures.		
33 14 23 00-0001		Roadway Utility Box *(33 14 23)*		
33 14 23 00-0002		Utility Box *(33 14 23 00-0001)*		
		Note: Christy Concrete Products.		
33 14 23 00-0003		B3 Utility Box, 9-3/8" x 15-1/2" *(33 14 23 00-0002)*		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	120.39	52.35
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	124.41	5.82
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	51.30	5.82
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	273.04	5.82
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	72.26	11.63
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	104.56	11.63
33 14 23 00-0010		B9 Utility Box, 10-1/4" x 17-1/4" *(33 14 23 00-0002)*		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	145.61	69.81
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	145.72	6.98
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	56.87	6.98
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	286.49	5.82
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	81.14	11.63
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	108.40	17.45
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	126.84	31.99
33 14 23 00-0018		B12 Utility Box, 12" x 20" *(33 14 23 00-0002)*		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box	160.15	75.62
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	262.92	8.73
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	75.96	11.63
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	384.79	11.63
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	165.54	40.72
33 14 23 00-0024		B16 Utility Box, 12" x 22-1/4" *(33 14 23 00-0002)*		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box	184.24	88.41
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	296.84	11.63
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	94.27	11.63
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	386.98	11.63
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	131.88	19.78
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	168.58	40.72
33 14 23 00-0031		B30 Utility Box, 13-1/4" x 24" *(33 14 23 00-0002)*		
33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	222.08	104.70
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	126.55	18.62
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	478.29	15.13
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	131.88	19.78
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	201.70	32.58
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	158.00	22.10
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	218.49	52.35
33 14 23 00-0039		B36 Utility Box, 17-1/4" x 30" *(33 14 23 00-0002)*		
33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	290.54	132.63
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	205.95	31.99
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	599.10	22.10
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	183.69	41.88
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	314.38	46.53
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	292.09	67.48
33 14 23 00-0046		B40 Utility Box, 24-1/2" x 36" *(33 14 23 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box	606.19	204.76
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	565.16	76.78
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	850.62	33.73
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	460.74	72.13
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	488.95	75.62
33 14 23 00-0052		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	763.17	232.67
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	775.97	126.81
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	983.22	126.81
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,345.96	58.17
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	661.96	157.06
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	602.53	105.87
33 14 23 00-0059		**B65 Utility Box, 15" x 26-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0060	EA	15" x 26-1/2" Precast Concrete Utility Box	198.31	132.63
33 14 23 00-0061	EA	Reinforced Concrete Lid For 15" x 26-1/2" Utility Box	122.15	31.99
33 14 23 00-0062	EA	Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box	376.42	22.10
33 14 23 00-0063	EA	20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box	183.69	41.88
33 14 23 00-0064	EA	6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box	314.38	46.53
33 14 23 00-0065	EA	12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box	214.31	67.48
33 14 23 00-0066		**Roadway Or Curb Valve Boxes** *(33 14 23)*		
33 14 23 00-0067		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0066)*		
33 14 23 00-0068	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	270.57	13.95
33 14 23 00-0069	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	316.12	13.95
33 14 23 00-0070	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	318.21	13.95
33 14 23 00-0071	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	79.13	6.98
33 14 23 00-0072	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	91.19	6.98
33 14 23 00-0073	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	109.34	6.98
33 14 23 00-0074	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	410.85	17.45
33 14 23 00-0075	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	716.16	24.42
33 14 23 00-0076	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	801.12	24.42
33 14 23 00-0077	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	427.70	17.45
33 14 23 00-0078	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	447.99	17.45
33 14 23 00-0079	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	432.49	17.45
33 14 23 00-0080	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	156.23	6.98
33 14 23 00-0081	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	257.21	28.71
33 14 23 00-0082	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	266.43	29.86
33 14 23 00-0083	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	296.76	31.00
33 14 23 00-0084	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	413.57	32.73
33 14 23 00-0085	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	500.48	34.45
33 14 23 00-0086	EA	18" Cast Iron Service Box Extension Section	118.45	
33 14 23 00-0087		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0066)*		
33 14 23 00-0088	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	501.74	40.19
33 14 23 00-0089	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	380.12	28.71
33 14 23 00-0090	EA	Cast Iron Lid For Plastic Meter Box	118.52	
33 14 23 00-0091		**Traffic Valve Box And Lid** *(33 14 23 00-0066)*		
33 14 23 00-0092	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	216.81	
33 14 23 00-0093	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	713.33	
33 14 23 00-0094		**Service Meter Boxes (Brooks)** *(33 14 23)*		
33 14 23 00-0095	EA	12" x 20", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks #37-1 PC)	193.50	58.29
33 14 23 00-0096	EA	12" x 20", Precast Service Meter Box, Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks #37-S)	147.81	11.66
33 14 23 00-0097	EA	12" x 20", Precast Service Meter Box With Cast Iron Hinged Cover, Exposed To Traffic (Brooks #37-H4S)	152.92	11.66
33 14 23 00-0098	EA	17" x 30", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks 66-1 PC)	356.34	87.43
33 14 23 00-0099	EA	17" x 30", Precast Service Meter Box With Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks 66-S)	310.27	14.57
33 14 23 00-0100		**Polyethylene Above Ground Enclosure** *(33 14 23)*		
33 14 23 00-0101	EA	14" x 24" Polyethylene Above Ground Enclosure For 2" Air/Vacuum Valve	873.79	95.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0102	EA	18" x 30" Polyethylene Above Ground Enclosure For 4" Air/Vacuum Valve	1,021.18	126.88
33 14 23 00-0103	EA	24" x 36" Polyethylene Above Ground Enclosure For 6" To 8" Air/Vacuum Valve	1,233.60	152.25
33 14 23 00-0104		Service Meter Boxes (Armorcast) *(33 14 23)*		
		Note: Water meter boxes shall be polymer, rectangular in shape, with rounded corners and beveled edges throughout with a slot provided in the bottom of each end of the box for the water service pipe and the house lateral. Boxes shall have a polymer cover with AMR slot. Meter boxes are likely to be subjected to traffic loads, traffic rated boxes and covers shall have AASHTO load Traffic ratings of 20K.		
33 14 23 00-0105	EA	13" x 24" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001946PCX12)	293.30	
33 14 23 00-0106	EA	17" x 30" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001640PCX12)	314.54	
33 14 23 00-0107	EA	13" x 24" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001866R-H9)	119.96	
33 14 23 00-0108	EA	13" x 24" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001866R)	124.41	
33 14 23 00-0109	EA	17" x 30" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001643R-H9)	158.97	
33 14 23 00-0110	EA	17" x 30" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001643R)	164.08	
33 14 23 00-0111	EA	12" x 20" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6000484R)	84.93	
33 14 23 00-0112	EA	12" x 20" Polymer Concrete Meter Box Cover Only With No Hinged Reading Lid (ARMORCAST - #A6000482)	52.40	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	316.36	59.70
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	397.91	71.19
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	535.25	81.52
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,043.70	121.71
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,414.55	158.45
33 19 13 23-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	579.09	59.70
		For Owner Furnished Material, Deduct	*-518.66*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	660.12	71.19
		For Owner Furnished Material, Deduct	*-588.35*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	984.78	81.52
		For Owner Furnished Material, Deduct	*-902.76*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,667.84	121.71
		For Owner Furnished Material, Deduct	*-1,545.70*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	2,064.22	158.45
		For Owner Furnished Material, Deduct	*-1,904.75*	
33 19 13 23-0013	EA	Electronic Transmitter	470.73	28.71
		Note: For use with transmitting meter valve.		
		For Owner Furnished Material, Deduct	*-442.02*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 13 Single-Jet Water Meters *(33 19 16)*

33 19 16 13-0001		Small/Large Spectrum Water Service Meter *(33 19 16 13)*		
		Note: Metron-Farnier.		
33 19 16 13-0002	EA	1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter	1,827.78	120.56
		Note: Metron-Farnier #Spectrum 50.		
33 19 16 13-0003	EA	2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter	2,620.71	153.06
		Note: Metron-Farnier #Spectrum 88.		
33 19 16 13-0004	EA	2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter	3,167.19	153.06
		Note: Metron-Farnier #Spectrum 130.		
33 19 16 13-0005	EA	3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter	4,245.44	179.75
		Note: Metron-Farnier #Spectrum 175.		
33 19 16 13-0006	EA	3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	4,411.87	179.75
		Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0007	EA	4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	6,154.88	281.25
		Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0008	EA	4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	10,166.54	281.25
		Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0009	EA	6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	12,753.98	380.64
		Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0010	EA	8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	15,851.60	486.37
		Note: Metron-Farnier #Spectrum 440.		

33 19 16 23 Turbine Water Meters *(33 19 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23-0001		Flanged Turbine Water Service Meter *(33 19 16 23)*		
33 19 16 23-0002		Vertical Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,014.08	111.02
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,423.41	140.94
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	2,656.45	179.75
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	3,964.38	281.25
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	7,478.73	380.64
33 19 16 23-0008		Horizontal Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	1,597.38	111.02
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,256.14	140.94
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	2,990.31	179.75
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	4,405.69	281.25
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	9,086.64	380.64
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	12,149.13	486.37
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	16,960.75	592.10
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	20,473.39	933.62
33 19 19		**Compound Water Meters** *(33 19)*		
33 19 19 00-0001		Flanged Compound Type Water Service Meter *(33 19 19)*		
33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	4,255.48	140.94
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,181.53	179.75
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	8,565.54	281.25
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,980.12	380.64
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	24,617.17	486.37
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	42,157.77	592.10
33 19 23		**Magnetic Water Meters** *(33 19)*		
33 19 23 00-0001		Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*		
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	8,728.85	140.94
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,295.87	179.75
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,105.85	281.25
33 19 26		**Ultrasonic Water Meters** *(33 19)*		
33 19 26 00-0001		Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*		
33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,392.39	179.75
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,052.85	281.25
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,439.72	380.64
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	10,724.81	486.37

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001		Plastic Sewer And Drain Piping *(33 31 11)*		
33 31 11 00-0002		Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*		
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.53	4.42
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.07	5.22
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.13	6.32
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	25.54	7.37
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	35.99	8.57
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	49.30	9.97
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	69.63	10.32
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	93.42	10.69
33 31 11 00-0011		Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*		
		Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.98	6.32
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	17.67	7.37
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	22.89	8.57
33 31 11 00-0015		Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0001)*		
33 31 11 00-0016		1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 11 00-0015)*		
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	29.01	14.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.28	18.45
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	67.23	24.77
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	106.59	28.64
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	443.41	37.22
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	738.91	50.09
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	975.31	66.70
33 31 11 00-0024		**1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.77	14.27
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.14	18.45
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	64.60	24.77
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	93.70	28.64
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	410.61	37.22
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	662.68	50.09
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	751.08	66.70
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,118.83	88.84
33 31 11 00-0033		**Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	50.39	14.05
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	49.58	18.45
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	98.86	24.77
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	164.57	28.64
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	331.42	37.22
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	591.73	50.09
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	972.67	66.70
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,477.43	88.84
33 31 11 00-0042		**1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.52	14.27
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.94	18.45
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	75.55	24.77
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	114.02	28.64
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	552.51	37.22
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	897.73	50.09
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,011.46	66.70
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,032.04	88.84
33 31 11 00-0051		**Reducers, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	39.69	16.28
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	77.78	19.43
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	72.87	21.43
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	115.70	23.42
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	124.08	26.57
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	390.96	32.89
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	836.62	43.61
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	233.77	47.62
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	331.13	51.94
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	304.76	58.33
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	865.96	63.05
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	914.06	69.45
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	967.07	77.77
33 31 11 00-0065		**Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	45.92	21.56
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	61.22	27.89
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	107.05	36.79
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	167.31	45.69
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	649.91	50.09
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	843.20	66.70
33 31 11 00-0072		**Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	59.53	21.56
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	69.13	27.89
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	117.16	36.79
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	183.85	45.69
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	587.83	50.09
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	725.29	66.70
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	953.83	89.01
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,510.64	118.79
33 31 11 00-0081		**Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	80.91	21.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	89.92	27.89
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	103.11	36.79
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	161.16	45.69
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	176.67	45.69
33 31 11 00-0087		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	99.73	27.89
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	129.75	36.79
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	266.96	49.66
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	480.43	60.06
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	123.31	36.79
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	217.76	49.66
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	399.18	60.06
33 31 11 00-0095		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	76.52	21.56
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	95.63	27.89
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	196.80	36.79
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	362.46	45.69
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	153.31	27.89
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	249.05	36.79
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	176.37	36.79
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	337.97	45.69
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	360.37	45.69
33 31 11 00-0105		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	112.90	27.89
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	131.22	36.79
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	206.49	49.66
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	785.84	60.06
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	2,625.59	66.49
33 31 11 00-0111		**Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	606.30	117.09
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,477.91	151.06
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,877.37	212.87
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,580.14	342.43
33 31 11 00-0116		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	28.09	14.27
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	34.92	18.34
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	55.97	24.56
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	74.26	28.64
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	228.95	37.22
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	575.07	50.09
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	874.89	66.70
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	1,453.20	88.84
33 31 11 00-0125		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	138.72	74.23
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	93.92	56.46
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	97.93	56.46
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	108.54	56.46
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	141.63	74.23
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	133.14	74.23
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	119.18	74.23
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	67.64	38.17
33 31 11 00-0134		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	47.33	15.33
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	83.81	19.09
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	168.98	24.67
33 31 11 00-0138		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0015)*		
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	26.25	14.27
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	34.29	18.45
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	52.99	24.77
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	73.23	28.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	135.94	37.22
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	590.70	50.09
33 31 11 00-0145		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.49	7.37
		For SDR 26, Add	*0.73*	
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.30	8.57
		For SDR 26, Add	*1.40*	
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	32.08	9.97
		For SDR 26, Add	*2.38*	
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.86	10.32
		For SDR 26, Add	*3.57*	
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	47.02	10.69
		For SDR 26, Add	*5.03*	
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	60.61	11.06
		For SDR 26, Add	*7.54*	
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	76.13	11.47
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	98.24	12.45
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	118.73	13.44
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	147.41	15.76
33 31 11 00-0156		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	20.21	7.37
		For SDR 26, Add	*1.07*	
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	28.10	8.57
		For SDR 26, Add	*2.15*	
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	39.08	9.97
		For SDR 26, Add	*3.75*	
33 31 11 00-0160		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)*		
		Note: ASTM 3034.		
33 31 11 00-0161		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	86.38	26.81
		For SDR 26, Add	*4.00*	
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.65	31.17
		For SDR 26, Add	*7.36*	
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	271.35	35.32
		For SDR 26, Add	*20.37*	
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	782.80	41.56
		For SDR 26, Add	*68.50*	
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,011.61	52.99
		For SDR 26, Add	*88.64*	
33 31 11 00-0167		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0168	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	77.81	26.81
		For SDR 26, Add	*3.18*	
33 31 11 00-0169	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	119.20	31.17
		For SDR 26, Add	*6.46*	
33 31 11 00-0170	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	247.46	35.32
		For SDR 26, Add	*18.07*	
33 31 11 00-0171	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	557.81	41.56
		For SDR 26, Add	*46.90*	
33 31 11 00-0172	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	797.68	52.99
		For SDR 26, Add	*68.10*	
33 31 11 00-0173	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,713.11	74.80
		For SDR 26, Add	*152.49*	
33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,719.00	105.97
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,539.52	140.25
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	6,190.03	187.00
33 31 11 00-0177		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0160)*		
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	130.78	40.21
		For SDR 26, Add	*6.12*	
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	212.30	44.56
		For SDR 26, Add	*13.25*	
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	238.87	46.75
		For SDR 26, Add	*15.45*	
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	263.92	48.93
		For SDR 26, Add	*17.51*	
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	302.68	51.11
		For SDR 26, Add	*20.88*	
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	583.69	53.29
		For SDR 26, Add	*47.51*	
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	748.81	54.54
		For SDR 26, Add	*63.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	849.12	57.14
		For SDR 26, Add	*72.38*	
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,256.06	59.32
		For SDR 26, Add	*111.10*	
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,638.46	62.33
		For SDR 26, Add	*147.32*	
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	921.43	66.39
		For SDR 26, Add	*77.84*	
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	978.36	68.57
		For SDR 26, Add	*82.95*	
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,398.46	70.75
		For SDR 26, Add	*122.93*	
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,019.70	73.76
		For SDR 26, Add	*182.09*	
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,276.39	79.47
		For SDR 26, Add	*205.82*	

33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*

33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	124.13	40.21
		For SDR 26, Add	*5.48*	
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	190.14	44.56
		For SDR 26, Add	*11.12*	
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	209.10	46.75
		For SDR 26, Add	*12.59*	
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	254.42	48.93
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	291.34	51.11
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	448.25	53.29
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	684.48	54.96
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	698.12	57.14
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,052.76	59.32
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,165.22	62.33
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	867.76	66.39
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	895.01	68.57
33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,284.21	70.75
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,548.48	73.76
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,616.57	79.47
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,992.48	95.58
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,210.96	101.30
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,765.59	112.20

33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*

33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	85.63	26.81
		For SDR 26, Add	*3.93*	
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	133.71	31.17
		For SDR 26, Add	*7.85*	
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	198.07	35.53
		For SDR 26, Add	*13.33*	
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	377.46	41.56
		For SDR 26, Add	*29.58*	
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	536.10	52.99
		For SDR 26, Add	*42.99*	
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,051.12	74.80
		For SDR 26, Add	*88.94*	
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,980.07	105.97
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,307.29	140.25
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,789.14	187.00

33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*

33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	165.82	28.99
		For SDR 26, Add	*11.28*	
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	238.52	31.17
		For SDR 26, Add	*17.91*	
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	251.49	33.34
		For SDR 26, Add	*18.81*	
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	569.91	36.36
		For SDR 26, Add	*48.90*	
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	655.29	38.54
		For SDR 26, Add	*56.74*	
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	732.28	42.07
		For SDR 26, Add	*63.57*	
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	840.80	44.26
		For SDR 26, Add	*73.64*	
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	964.37	47.27
		For SDR 26, Add	*85.02*	
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,452.58	63.89
		For SDR 26, Add	*129.22*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0232		Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*		
33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	136.58	
		For SDR 26, Add	*8.12*	
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	180.74	
		For SDR 26, Add	*11.37*	
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	184.84	
		For SDR 26, Add	*11.76*	
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	307.53	
		For SDR 26, Add	*22.54*	
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	324.72	
		For SDR 26, Add	*24.19*	
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	620.37	
		For SDR 26, Add	*52.57*	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	350.01	
		For SDR 26, Add	*25.12*	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	382.23	
		For SDR 26, Add	*28.22*	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	859.55	
		For SDR 26, Add	*74.04*	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,014.67	
		For SDR 26, Add	*88.93*	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	400.45	
		For SDR 26, Add	*26.47*	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	428.56	
		For SDR 26, Add	*29.17*	
33 31 11 00-0245		Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0160)*		
33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	146.21	
		For SDR 26, Add	*9.05*	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	180.74	
		For SDR 26, Add	*11.37*	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	197.94	
		For SDR 26, Add	*13.02*	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	282.04	
		For SDR 26, Add	*20.09*	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	322.66	
		For SDR 26, Add	*23.99*	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	492.04	
		For SDR 26, Add	*40.25*	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	347.97	
		For SDR 26, Add	*24.93*	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	380.28	
		For SDR 26, Add	*28.03*	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	572.22	
		For SDR 26, Add	*46.46*	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	697.49	
		For SDR 26, Add	*58.48*	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	399.18	
		For SDR 26, Add	*26.35*	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	419.03	
		For SDR 26, Add	*28.26*	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	702.84	
		For SDR 26, Add	*55.50*	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	778.44	
		For SDR 26, Add	*62.76*	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,103.35	
		For SDR 26, Add	*93.95*	
33 31 11 00-0261		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings *(33 31 11 00-0001)*		
		Note: ASTM F949.		
33 31 11 00-0262		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe *(33 31 11 00-0261)*		
33 31 11 00-0263	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	18.55	7.37
33 31 11 00-0264	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	26.86	8.57
33 31 11 00-0265	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	34.50	9.97
33 31 11 00-0266	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	41.59	10.32
33 31 11 00-0267	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	44.14	10.69
33 31 11 00-0268	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	52.68	11.06
33 31 11 00-0269	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	68.48	11.47
33 31 11 00-0270	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	80.36	12.45
33 31 11 00-0271	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	99.43	13.44
33 31 11 00-0272	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	143.37	18.08
33 31 11 00-0273		1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0261)*		
33 31 11 00-0274	EA	4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	79.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0275	EA	6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	109.05	
33 31 11 00-0276	EA	8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	152.78	
33 31 11 00-0277	EA	10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	264.11	
33 31 11 00-0278	EA	12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	282.88	
33 31 11 00-0279	EA	15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	475.93	
33 31 11 00-0280	EA	18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	757.56	
33 31 11 00-0281	EA	21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,084.88	
33 31 11 00-0282	EA	24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,412.12	
33 31 11 00-0283	EA	30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,865.93	
33 31 11 00-0284		1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0261)*		
33 31 11 00-0285	EA	4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	73.51	
33 31 11 00-0286	EA	6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	100.56	
33 31 11 00-0287	EA	8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	140.42	
33 31 11 00-0288	EA	10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	240.89	
33 31 11 00-0289	EA	12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	258.56	
33 31 11 00-0290	EA	15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	432.97	
33 31 11 00-0291	EA	18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	687.53	
33 31 11 00-0292	EA	21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	980.94	
33 31 11 00-0293	EA	24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,274.42	
33 31 11 00-0294	EA	30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,682.19	
33 31 11 00-0295		1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0261)*		
33 31 11 00-0296	EA	4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	64.91	
33 31 11 00-0297	EA	6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	82.63	
33 31 11 00-0298	EA	8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	131.27	
33 31 11 00-0299	EA	10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	166.45	
33 31 11 00-0300	EA	12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	232.77	
33 31 11 00-0301	EA	15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	387.31	
33 31 11 00-0302	EA	18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	567.48	
33 31 11 00-0303	EA	21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	874.57	
33 31 11 00-0304	EA	24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,181.68	
33 31 11 00-0305	EA	30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,677.79	
33 31 11 00-0306		Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0261)*		
33 31 11 00-0307	EA	4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	123.92	
33 31 11 00-0308	EA	6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	162.14	
33 31 11 00-0309	EA	8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	295.24	
33 31 11 00-0310	EA	10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	479.70	
33 31 11 00-0311	EA	12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	805.43	
33 31 11 00-0312	EA	15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,152.37	
33 31 11 00-0313	EA	18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,675.04	
33 31 11 00-0314	EA	21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,930.02	
33 31 11 00-0315	EA	24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,184.93	
33 31 11 00-0316	EA	30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	3,992.82	
33 31 11 00-0317		Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0261)*		
33 31 11 00-0318	EA	4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	112.18	
33 31 11 00-0319	EA	6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	146.04	
33 31 11 00-0320	EA	8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	262.32	
33 31 11 00-0321	EA	10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	423.45	
33 31 11 00-0322	EA	12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	706.61	
33 31 11 00-0323	EA	15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,009.71	
33 31 11 00-0324	EA	18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,466.17	
33 31 11 00-0325	EA	21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,687.76	
33 31 11 00-0326	EA	24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,909.32	
33 31 11 00-0327	EA	30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	3,475.01	
33 31 11 00-0328		Cast Iron Service Saddles With U Bolt *(33 31 11)*		
33 31 11 00-0329	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	122.72	
33 31 11 00-0330	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	123.39	
33 31 11 00-0331	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	135.77	
33 31 11 00-0332	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	131.45	
33 31 11 00-0333	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	148.43	
33 31 11 00-0334	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	167.10	
33 31 11 00-0335	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	197.98	
33 31 11 00-0336	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	167.74	
33 31 11 00-0337	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	183.36	
33 31 11 00-0338	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	211.45	
33 31 11 00-0339	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	172.23	
33 31 11 00-0340	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	135.24	
33 31 11 00-0341	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	147.62	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0342	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	175.96	
33 31 11 00-0343	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	208.86	
33 31 11 00-0344	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	225.01	
33 31 11 00-0345		Couplings And Plug Fittings *(33 31 11)*		
33 31 11 00-0346		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0345)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0347	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	19.61	6.98
33 31 11 00-0348	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	21.45	8.14
33 31 11 00-0349	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	24.81	9.30
33 31 11 00-0350	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	28.11	9.89
33 31 11 00-0351	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	34.42	10.47
33 31 11 00-0352	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	40.75	11.63
33 31 11 00-0353	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	51.82	12.80
33 31 11 00-0354	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	63.98	13.37
33 31 11 00-0355	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	105.66	13.96
33 31 11 00-0356	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	143.86	15.13
33 31 11 00-0357	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	277.45	15.70
33 31 11 00-0358	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	322.36	16.58
33 31 11 00-0359	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	357.13	17.45
33 31 11 00-0360	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	427.84	18.62
33 31 11 00-0361		Manhole Inside Bowl Drop *(33 31 11)*		
33 31 11 00-0362	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	337.28	
33 31 11 00-0363	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	353.64	
33 31 11 00-0364	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	362.56	
33 31 11 00-0365	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	375.02	
33 31 11 00-0366	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	389.72	
33 31 11 00-0367	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	418.01	
33 31 11 00-0368	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	435.28	
33 31 11 00-0369	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	449.43	
33 31 11 00-0370	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	774.12	
33 31 11 00-0371	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	795.34	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001		Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*		
33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,174.45	344.71
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,143.75	344.71
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,026.85	114.87
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,597.34	114.87
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,355.05	
33 32 16 00-0007		Submersible Grinder Pumps *(33 32 16)* Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,868.44	729.13
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,763.29	850.66
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,061.73	1,093.71

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001		Precast Concrete Septic Tank *(33 34 13 13)* Note: Includes external coating.		
33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,150.79	729.13
		For Non-Traffic Rated, Deduct	*-813.84*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	4,996.35	804.84
		For Non-Traffic Rated, Deduct	*-1,002.05*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	5,808.99	880.43
		For Non-Traffic Rated, Deduct	*-1,182.01*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,475.90	956.99
		For Non-Traffic Rated, Deduct	*-1,576.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	8,887.84	1,321.57
		For Non-Traffic Rated, Deduct	*-1,817.72*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	23,821.31	1,822.84
		For Non-Traffic Rated, Deduct	*-5,396.32*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	43,381.86	2,734.26
		For Non-Traffic Rated, Deduct	*-10,009.35*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	48,559.45	3,827.97
		For Non-Traffic Rated, Deduct	*-10,975.27*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	59,554.53	4,579.96
		For Non-Traffic Rated, Deduct	*-13,491.12*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	70,341.65	5,673.66
		For Non-Traffic Rated, Deduct	*-15,838.52*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,995.96	546.85
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,864.75	729.13
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,789.75	660.84
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	11,437.21	715.40
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	14,338.94	991.62
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	22,781.55	1,367.14
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	33,806.64	2,050.70
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	46,408.33	2,870.98
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	56,963.69	3,431.44

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,284.66	211.47
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,998.45	237.90
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,787.98	290.77
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,858.64	317.20
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,318.22	343.64
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,991.34	370.06
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,813.91	264.33
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,062.00	317.20
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	3,608.01	343.64
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	4,245.53	370.06

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	874.53	106.94
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,223.53	151.91
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,629.89	182.29
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,656.86	303.81
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	3,868.67	425.33

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	356.27	75.18
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	414.30	90.23
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	731.63	105.26
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,448.86	180.44

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,034.81	100.31
33 34 53 13-0008	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,273.78	136.79

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	5,966.52	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,108.54	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	3,947.94	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0241 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	6.75	5.45
		For <100, Add	*1.16*	
		For >1,000, Deduct	*-0.61*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	8.72	5.83
		For <100, Add	*1.31*	
		For >1,000, Deduct	*-0.73*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.23	6.12
		For <100, Add	*1.48*	
		For >1,000, Deduct	*-0.87*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.77	6.32
		For <100, Add	*1.74*	
		For >1,000, Deduct	*-1.10*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.68	6.90
		For <100, Add	*1.97*	
		For >1,000, Deduct	*-1.28*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	24.93	7.78
		For <100, Add	*2.41*	
		For >1,000, Deduct	*-1.64*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	39.35	12.49
		For <100, Add	*3.84*	
		For >1,000, Deduct	*-2.59*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	55.64	13.71
		For <100, Add	*4.84*	
		For >1,000, Deduct	*-3.47*	

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	6.56	5.45
		For <100, Add	*1.15*	
		For >1,000, Deduct	*-0.60*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	8.64	5.83
		For <100, Add	*1.31*	
		For >1,000, Deduct	*-0.72*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.75	6.12
		For <100, Add	*1.66*	
		For >1,000, Deduct	*-1.04*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.61	6.32
		For <100, Add	*1.83*	
		For >1,000, Deduct	*-1.20*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	20.70	6.90
		For <100, Add	*2.07*	
		For >1,000, Deduct	*-1.38*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	24.72	7.78
		For <100, Add	*2.40*	
		For >1,000, Deduct	*-1.63*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	38.01	12.49
		For <100, Add	*3.77*	
		For >1,000, Deduct	*-2.53*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	53.53	13.71
		For <100, Add	*4.73*	
		For >1,000, Deduct	*-3.36*	

33 41 16 13-0021 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	48.31	24.94
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	57.66	29.10
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	97.93	35.34
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	126.34	43.66
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	192.26	51.98
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	433.93	67.91
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	515.13	91.47
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	999.91	103.94

33 41 16 13-0031 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 16 13-0021)*

33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	49.93	24.94
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	62.97	29.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	153.53	35.34
33 41 16 13-0035		**45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	32.75	16.64
33 41 16 13-0037		**90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	34.46	16.64
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	45.31	19.41
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	69.25	23.56
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	91.97	29.10
33 41 16 13-0042		**Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729** *(33 41 16 13)*		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.85	4.06
		For <100, Add	*1.05*	
		For >1,000, Deduct	*-0.65*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.71	4.39
		For <100, Add	*1.14*	
		For >1,000, Deduct	*-0.71*	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	14.41	5.25
		For <100, Add	*1.51*	
		For >1,000, Deduct	*-0.98*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	23.68	6.57
		For <100, Add	*2.17*	
		For >1,000, Deduct	*-1.51*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	41.06	6.84
		For <100, Add	*3.08*	
		For >1,000, Deduct	*-2.40*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	53.29	7.47
		For <100, Add	*3.79*	
		For >1,000, Deduct	*-3.04*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	74.85	8.41
		For <100, Add	*5.00*	
		For >1,000, Deduct	*-4.16*	
33 41 16 13-0050		**Perforated Non-Reinforced Concrete Drainage Piping, C444** *(33 41 16 13)*		
33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	36.45	13.49
		For Extra Strength, Add	*2.02*	
		For >1,000, Deduct	*-1.82*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	42.59	15.00
		For Extra Strength, Add	*2.49*	
		For >1,000, Deduct	*-2.13*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	48.19	16.49
		For Extra Strength, Add	*2.89*	
		For >1,000, Deduct	*-2.41*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	56.58	17.99
		For Extra Strength, Add	*3.63*	
		For >1,000, Deduct	*-2.83*	
33 41 16 13-0055		**Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)*		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.20	13.49
		For >1,000, Deduct	*-1.51*	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.42	15.00
		For >1,000, Deduct	*-1.67*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	36.86	16.49
		For >1,000, Deduct	*-1.84*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	42.09	17.14
		For >1,000, Deduct	*-2.10*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	48.89	19.28
		For >1,000, Deduct	*-2.44*	
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	60.50	24.64
		For >1,000, Deduct	*-3.03*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	75.57	31.59
		For >1,000, Deduct	*-3.78*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	92.14	38.55
		For >1,000, Deduct	*-4.61*	
33 41 16 13-0064		**Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)*		
33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	28.14	13.49
		For >1,000, Deduct	*-1.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	35.70	15.00
		For >1,000, Deduct	*-1.79*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	45.13	16.49
		For >1,000, Deduct	*-2.26*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	54.75	17.99
		For >1,000, Deduct	*-2.74*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	62.69	20.01
		For >1,000, Deduct	*-3.13*	
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	81.23	24.96
		For >1,000, Deduct	*-4.06*	

33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	27.79	15.00
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	33.13	16.86
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	37.64	16.86
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.34	20.62
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	59.71	22.49

33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.87	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.15	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.75	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.35	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.50	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.81	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.76	

33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.74	6.43
		For Full Perforated, Add	*1.29*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.57	7.78
		For Full Perforated, Add	*1.70*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.07	9.88
		For Full Perforated, Add	*2.13*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	45.64	11.69
		For Full Perforated, Add	*2.23*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.19	12.09
		For Full Perforated, Add	*2.80*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	58.88	12.54
		For Full Perforated, Add	*3.38*	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	67.29	13.52
		For Full Perforated, Add	*4.02*	

33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.81	6.43
		For Full Perforated, Add	*1.50*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.38	7.78
		For Full Perforated, Add	*1.98*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.50	9.88
		For Full Perforated, Add	*2.47*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	48.97	11.69
		For Full Perforated, Add	*2.56*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	56.31	12.09
		For Full Perforated, Add	*3.21*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	63.77	12.54
		For Full Perforated, Add	*3.87*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	72.99	13.52
		For Full Perforated, Add	*4.59*	

33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.48	6.43
		For Full Perforated, Add	*1.56*	
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.24	7.78
		For Full Perforated, Add	*2.07*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.60	9.88
		For Full Perforated, Add	*2.58*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	57.20	11.69
		For Full Perforated, Add	*3.38*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	66.55	12.09
		For Full Perforated, Add	*4.24*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	76.19	12.54
		For Full Perforated, Add	*5.11*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	87.47	13.52
		For Full Perforated, Add	*6.04*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0109			Prefabricated Composite Drains *(33 41 16 13)*		
33 41 16 13-0110			Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*		
			Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0111		LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.60	2.45
			For External Typar Geotextile Wrap, Add	*2.11*	
33 41 16 13-0112		EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	52.89	
33 41 16 13-0113		EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	52.89	
33 41 16 13-0114		EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	101.74	
33 41 16 13-0115		EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	101.74	
33 41 16 13-0116		LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	18.53	3.06
			For External Typar Geotextile Wrap, Add	*3.16*	
33 41 16 13-0117		EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	77.97	
33 41 16 13-0118		EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	77.97	
33 41 16 13-0119		EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	133.44	
33 41 16 13-0120		EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	133.44	
33 41 19			**Underslab Drainage** *(33 41)*		
33 41 19 13			**Underslab Drainage Piping** *(33 41 19)*		
33 41 19 13-0001			Capillary Water Barrier Underslab Drainage *(33 41 19 13)*		
			Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002		CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	43.05	
33 41 19 13-0003		CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	40.20	
33 41 19 13-0004		CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	39.06	
33 41 19 13-0005		CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	37.35	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	54.54	17.99
		For >1,000, Deduct	*-2.73*	
		For Class 4, Add	*2.74*	
		For Class 5, Add	*5.77*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	65.51	20.01
		For >1,000, Deduct	*-3.28*	
		For Class 4, Add	*3.51*	
		For Class 5, Add	*7.38*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	74.49	24.96
		For >1,000, Deduct	*-3.72*	
		For Class 4, Add	*3.69*	
		For Class 5, Add	*7.77*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	95.45	31.49
		For >1,000, Deduct	*-4.77*	
		For Class 4, Add	*4.79*	
		For Class 5, Add	*10.09*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	111.72	38.23
		For >1,000, Deduct	*-5.59*	
		For Class 4, Add	*5.42*	
		For Class 5, Add	*11.42*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	141.46	48.58
		For >1,000, Deduct	*-7.07*	
		For Class 4, Add	*6.85*	
		For Class 5, Add	*14.41*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	150.45	50.16
		For >1,000, Deduct	*-7.52*	
		For Class 4, Add	*7.41*	
		For Class 5, Add	*15.59*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	186.31	57.00
		For >1,000, Deduct	*-9.32*	
		For Class 4, Add	*10.04*	
		For Class 5, Add	*21.14*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	241.66	62.70
		For >1,000, Deduct	*-12.08*	
		For Class 4, Add	*14.53*	
		For Class 5, Add	*30.59*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	289.49	69.82
		For >1,000, Deduct	*-14.47*	
		For Class 4, Add	*18.03*	
		For Class 5, Add	*37.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	360.35	79.80
		For >1,000, Deduct	*-18.02*	
		For Class 4, Add	*23.40*	
		For Class 5, Add	*49.27*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	435.23	92.56
		For >1,000, Deduct	*-21.76*	
		For Class 4, Add	*28.78*	
		For Class 5, Add	*60.60*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	671.55	102.59
		For >1,000, Deduct	*-33.58*	
		For Class 4, Add	*49.94*	
		For Class 5, Add	*105.13*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	783.61	111.71
		For >1,000, Deduct	*-39.18*	
		For Class 4, Add	*59.28*	
		For Class 5, Add	*124.80*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	942.47	125.39
		For >1,000, Deduct	*-47.12*	
		For Class 4, Add	*72.48*	
		For Class 5, Add	*152.59*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,214.42	139.64
		For >1,000, Deduct	*-60.72*	
		For Class 4, Add	*96.42*	
		For Class 5, Add	*202.99*	

33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	88.38	28.34
		For >1,000, Deduct	*-4.42*	
		For Horizontal Elliptical - II (HE- II), Add	*4.79*	
		For Horizontal Elliptical - III (HE- III), Add	*10.54*	
		For Horizontal Elliptical - IV (HE- IV), Add	*22.99*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	131.44	33.19
		For >1,000, Deduct	*-6.57*	
		For Horizontal Elliptical - II (HE- II), Add	*8.40*	
		For Horizontal Elliptical - III (HE- III), Add	*18.48*	
		For Horizontal Elliptical - IV (HE- IV), Add	*40.32*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	182.55	50.85
		For >1,000, Deduct	*-9.13*	
		For Horizontal Elliptical - II (HE- II), Add	*10.99*	
		For Horizontal Elliptical - III (HE- III), Add	*24.18*	
		For Horizontal Elliptical - IV (HE- IV), Add	*52.76*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	215.17	64.60
		For >1,000, Deduct	*-10.76*	
		For Horizontal Elliptical - II (HE- II), Add	*12.29*	
		For Horizontal Elliptical - III (HE- III), Add	*27.03*	
		For Horizontal Elliptical - IV (HE- IV), Add	*58.98*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	228.42	67.49
		For >1,000, Deduct	*-11.42*	
		For Horizontal Elliptical - II (HE- II), Add	*13.20*	
		For Horizontal Elliptical - III (HE- III), Add	*29.04*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.36*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	262.31	71.27
		For >1,000, Deduct	*-13.12*	
		For Horizontal Elliptical - II (HE- II), Add	*16.05*	
		For Horizontal Elliptical - III (HE- III), Add	*35.31*	
		For Horizontal Elliptical - IV (HE- IV), Add	*77.04*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	296.20	75.03
		For >1,000, Deduct	*-14.81*	
		For Horizontal Elliptical - II (HE- II), Add	*18.90*	
		For Horizontal Elliptical - III (HE- III), Add	*41.58*	
		For Horizontal Elliptical - IV (HE- IV), Add	*90.72*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	361.10	82.57
		For >1,000, Deduct	*-18.06*	
		For Horizontal Elliptical - II (HE- II), Add	*24.32*	
		For Horizontal Elliptical - III (HE- III), Add	*53.49*	
		For Horizontal Elliptical - IV (HE- IV), Add	*116.71*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	435.18	92.86
		For >1,000, Deduct	*-21.76*	
		For Horizontal Elliptical - II (HE- II), Add	*30.25*	
		For Horizontal Elliptical - III (HE- III), Add	*66.55*	
		For Horizontal Elliptical - IV (HE- IV), Add	*145.20*	
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	495.37	106.13
		For >1,000, Deduct	*-24.77*	
		For Horizontal Elliptical - II (HE- II), Add	*34.38*	
		For Horizontal Elliptical - III (HE- III), Add	*75.63*	
		For Horizontal Elliptical - IV (HE- IV), Add	*165.00*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	613.60	123.11
		For >1,000, Deduct	*-30.68*	
		For Horizontal Elliptical - II (HE- II), Add	*43.77*	
		For Horizontal Elliptical - III (HE- III), Add	*96.30*	
		For Horizontal Elliptical - IV (HE- IV), Add	*210.11*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	700.41	135.66
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	849.61	148.19
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,015.06	167.57
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,098.79	185.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,407.86	194.93
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,631.94	204.05
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	667.66	68.54
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	800.63	83.53
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	989.62	92.09
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,135.55	113.52
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,283.15	137.07
33 42 11 00-0043		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.39	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	7.56	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	8.76	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	10.59	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	12.41	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	13.83	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	15.19	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	18.56	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	21.52	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	24.82	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	30.42	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	45.03	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	46.80	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	48.53	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	55.89	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	67.00	
33 42 11 00-0060		**Couplings** *(33 42 11 00-0001)*		
33 42 11 00-0061		**Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 42 11 00-0060)*		
		Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-0062	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	35.25	
33 42 11 00-0063	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	32.88	
33 42 11 00-0064	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	53.72	
33 42 11 00-0065	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	55.61	
33 42 11 00-0066	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	51.98	
33 42 11 00-0067	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	77.38	
33 42 11 00-0068	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	67.50	
33 42 11 00-0069	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	96.49	
33 42 11 00-0070	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	86.06	
33 42 11 00-0071	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	115.86	
33 42 11 00-0072	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	97.80	
33 42 11 00-0073	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	293.28	
33 42 11 00-0074		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0075	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	271.24	200.63
33 42 11 00-0076	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	334.78	248.50
33 42 11 00-0077	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	416.59	314.63
33 42 11 00-0078	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	493.82	376.18
33 42 11 00-0079	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	568.65	435.34
33 42 11 00-0080	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	705.28	556.29
33 42 11 00-0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	930.85	766.05
33 42 11 00-0082	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,162.96	966.67
33 42 11 00-0083	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,440.17	1,212.67
33 42 11 00-0084	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,613.93	1,366.80
33 42 11 00-0085	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,803.22	1,532.08
33 42 11 00-0086	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,995.68	1,701.94
33 42 11 00-0087	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,073.36	1,766.91
33 42 11 00-0088	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,141.65	1,823.91
33 42 11 00-0089	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,209.95	1,880.91
33 42 11 00-0090	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,279.66	1,937.91
33 42 11 00-0091		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0092	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	253.32	
33 42 11 00-0093	EA	>24" Diameter Pipe, 12' Strap Assembly	357.82	
33 42 11 00-0094		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
33 42 11 00-0095		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0094)*		
33 42 11 00-0096		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0095)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0097	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	149.91	17.99
		For >1,000, Deduct	*-7.50*	
		For 100 PSI, Deduct	*-31.05*	
33 42 11 00-0098	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	159.98	20.01
		For >1,000, Deduct	*-8.00*	
		For 100 PSI, Deduct	*-32.85*	
33 42 11 00-0099	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	174.24	24.96
		For >1,000, Deduct	*-8.71*	
		For 100 PSI, Deduct	*-34.65*	
33 42 11 00-0100	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	190.76	31.49
		For >1,000, Deduct	*-9.54*	
		For 100 PSI, Deduct	*-36.45*	
33 42 11 00-0101	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	207.59	38.23
		For >1,000, Deduct	*-10.38*	
		For 100 PSI, Deduct	*-38.24*	
33 42 11 00-0102	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	243.77	50.16
		For >1,000, Deduct	*-12.19*	
		For 100 PSI, Deduct	*-42.82*	
33 42 11 00-0103	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	270.16	57.00
		For >1,000, Deduct	*-13.51*	
		For 100 PSI, Deduct	*-47.39*	
33 42 11 00-0104	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	313.56	62.70
		For >1,000, Deduct	*-15.68*	
		For 100 PSI, Deduct	*-56.22*	
33 42 11 00-0105	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	359.92	69.82
		For >1,000, Deduct	*-18.00*	
		For 100 PSI, Deduct	*-65.04*	
33 42 11 00-0106	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	475.61	89.49
		For >1,000, Deduct	*-23.78*	
		For 100 PSI, Deduct	*-86.94*	
33 42 11 00-0107	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	573.20	103.80
		For >1,000, Deduct	*-28.66*	
		For 100 PSI, Deduct	*-106.23*	
33 42 11 00-0108	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	644.11	115.06
		For >1,000, Deduct	*-32.21*	
		For 100 PSI, Deduct	*-120.12*	
33 42 11 00-0109	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	718.28	125.29
		For >1,000, Deduct	*-35.91*	
		For 100 PSI, Deduct	*-134.83*	
33 42 11 00-0110	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	815.83	140.62
		For >1,000, Deduct	*-40.79*	
		For 100 PSI, Deduct	*-153.62*	
33 42 11 00-0111	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	913.37	156.61
		For >1,000, Deduct	*-45.67*	
		For 100 PSI, Deduct	*-172.41*	
33 42 11 00-0112	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,128.22	182.81
		For >1,000, Deduct	*-56.41*	
		For 100 PSI, Deduct	*-216.54*	
33 42 11 00-0113	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,327.83	208.77
		For >1,000, Deduct	*-66.39*	
		For 100 PSI, Deduct	*-257.40*	
33 42 11 00-0114	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,548.35	225.87
		For >1,000, Deduct	*-77.42*	
		For 100 PSI, Deduct	*-306.42*	
33 42 11 00-0115	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,748.11	239.86
		For >1,000, Deduct	*-87.41*	
		For 100 PSI, Deduct	*-351.37*	
33 42 11 00-0116	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,111.27	253.83
		For >1,000, Deduct	*-105.56*	
		For 100 PSI, Deduct	*-437.16*	
33 42 11 00-0117	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,456.42	266.64
		For >1,000, Deduct	*-122.82*	
		For 100 PSI, Deduct	*-518.88*	
33 42 11 00-0118	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,677.35	279.44
		For >1,000, Deduct	*-133.87*	
		For 100 PSI, Deduct	*-569.54*	
33 42 11 00-0119	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,901.56	292.25
		For >1,000, Deduct	*-145.08*	
		For 100 PSI, Deduct	*-621.02*	
33 42 11 00-0120	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,124.14	305.05
		For >1,000, Deduct	*-156.21*	
		For 100 PSI, Deduct	*-672.09*	
33 42 11 00-0121	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,346.71	317.86
		For >1,000, Deduct	*-167.34*	
		For 100 PSI, Deduct	*-723.16*	

33 42 11 00-0122 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0095)*

33 42 11 00-0123	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	504.02	168.66
33 42 11 00-0124	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	697.62	240.95
33 42 11 00-0125	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	897.48	321.27
33 42 11 00-0126	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,097.33	401.58
33 42 11 00-0127	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,332.51	499.04
33 42 11 00-0128	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,706.25	669.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0129	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,118.56	797.96
33 42 11 00-0130	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,467.34	931.33
33 42 11 00-0131	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,778.33	1,063.57
33 42 11 00-0132	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,418.45	1,328.03
33 42 11 00-0133	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,453.78	1,789.77
33 42 11 00-0134	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,964.96	1,981.53
33 42 11 00-0135	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,476.15	2,173.30
33 42 11 00-0136	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,600.34	2,492.90
33 42 11 00-0137	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,717.47	2,812.50
33 42 11 00-0138	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,139.02	3,196.02
33 42 11 00-0139	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,553.50	3,579.55
33 42 11 00-0140	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,082.00	4,540.91
33 42 11 00-0141	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,547.91	5,449.09
33 42 11 00-0142	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	22,808.63	7,265.45
33 42 11 00-0143	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	27,983.38	9,081.81
33 42 11 00-0144	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,573.12	9,795.38
33 42 11 00-0145	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	35,167.69	10,508.95
33 42 11 00-0146	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	45,855.36	11,222.52
33 42 11 00-0147	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	42,430.17	11,936.10
33 42 11 00-0148		**150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets** *(33 42 11 00-0095)*		
33 42 11 00-0149	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	470.68	168.66
33 42 11 00-0150	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	654.48	240.95
33 42 11 00-0151	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	846.49	321.27
33 42 11 00-0152	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,038.50	401.58
33 42 11 00-0153	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,265.83	499.04
33 42 11 00-0154	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,614.73	624.33
33 42 11 00-0155	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,013.97	797.96
33 42 11 00-0156	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,346.41	931.33
33 42 11 00-0157	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,648.25	1,063.57
33 42 11 00-0158	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,231.77	1,328.03
33 42 11 00-0159	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,277.70	1,789.77
33 42 11 00-0160	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,776.13	1,981.53
33 42 11 00-0161	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,274.56	2,173.30
33 42 11 00-0162	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,129.78	2,492.90
33 42 11 00-0163	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,977.94	2,812.50
33 42 11 00-0164	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,205.74	3,196.02
33 42 11 00-0165	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,426.46	3,579.55
33 42 11 00-0166	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,288.85	4,474.43
33 42 11 00-0167	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,354.54	5,449.09
33 42 11 00-0168	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,081.61	7,265.45
33 42 11 00-0169	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,722.72	9,081.81
33 42 11 00-0170	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	27,594.54	9,795.38
33 42 11 00-0171	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	30,471.18	11,936.10
33 42 11 00-0172	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,358.29	11,222.52
33 42 11 00-0173	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	36,596.18	11,936.10
33 42 11 00-0174		**400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0094)*		
33 42 11 00-0175		**400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0174)*		
		Note: AWWA C301		
33 42 11 00-0176	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	286.76	50.16
		For >1,000, Deduct	*-14.34*	
33 42 11 00-0177	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	349.55	57.00
		For >1,000, Deduct	*-17.48*	
33 42 11 00-0178	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	407.81	62.70
		For >1,000, Deduct	*-20.39*	
33 42 11 00-0179		**400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0174)*		
		Note: AWWA C301		
33 42 11 00-0180	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	549.23	69.76
		For >1,000, Deduct	*-27.46*	
33 42 11 00-0181	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	657.31	89.49
		For >1,000, Deduct	*-32.87*	
33 42 11 00-0182	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	757.76	103.80
		For >1,000, Deduct	*-37.89*	
33 42 11 00-0183	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	853.09	115.06
		For >1,000, Deduct	*-42.65*	
33 42 11 00-0184	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,033.24	125.29
		For >1,000, Deduct	*-51.66*	
33 42 11 00-0185		**Welded Joints For Prestressed Concrete Cylinder Pipe** *(33 42 11 00-0174)*		
		Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0186	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,621.68	
33 42 11 00-0187	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,815.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0188	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,912.98	
33 42 11 00-0189	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	3,301.38	
33 42 11 00-0190	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	3,398.48	
33 42 11 00-0191	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,592.68	
33 42 11 00-0192	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,689.78	
33 42 11 00-0193	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,786.88	
33 42 11 00-0194	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,854.97	
33 42 11 00-0195	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,854.97	
33 42 11 00-0196	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,534.67	
33 42 11 00-0197	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,534.67	
33 42 11 00-0198	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,923.06	
33 42 11 00-0199	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,923.06	
33 42 11 00-0200	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	6,408.56	
33 42 11 00-0201	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	6,408.56	

33 42 11 00-0202 Quick Test Joints *(33 42 11 00-0174)*

33 42 11 00-0203	EA	30" Quick Test Joint	622.40	
33 42 11 00-0204	EA	36" Quick Test Joint	628.09	
33 42 11 00-0205	EA	42" Quick Test Joint	633.79	
33 42 11 00-0206	EA	48" Quick Test Joint	646.81	
33 42 11 00-0207	EA	54" Quick Test Joint	676.10	
33 42 11 00-0208	EA	60" Quick Test Joint	701.07	
33 42 11 00-0209	EA	66" Quick Test Joint	738.22	
33 42 11 00-0210	EA	72" Quick Test Joint	775.37	

33 42 11 00-0211 Harnessed Joints *(33 42 11 00-0174)*

33 42 11 00-0212 Harness Clamp Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0213	EA	30" Harness Clamp Restrained Joint	4,819.67	
33 42 11 00-0214	EA	36" Harness Clamp Restrained Joint	5,007.22	
33 42 11 00-0215	EA	42" Harness Clamp Restrained Joint	5,194.79	
33 42 11 00-0216	EA	48" Harness Clamp Restrained Joint	5,382.36	
33 42 11 00-0217	EA	54" Harness Clamp Restrained Joint	5,583.76	
33 42 11 00-0218	EA	60" Harness Clamp Restrained Joint	5,869.35	
33 42 11 00-0219	EA	66" Harness Clamp Restrained Joint	6,064.00	
33 42 11 00-0220	EA	72" Harness Clamp Restrained Joint	6,495.06	

33 42 11 00-0221 Snap Ring Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0222	EA	30" Snap Ring Restrained Joint	818.66	
33 42 11 00-0223	EA	36" Snap Ring Restrained Joint	933.47	
33 42 11 00-0224	EA	42" Snap Ring Restrained Joint	1,248.33	
33 42 11 00-0225	EA	48" Snap Ring Restrained Joint	1,417.72	
33 42 11 00-0226	EA	54" Snap Ring Restrained Joint	1,600.94	
33 42 11 00-0227	EA	60" Snap Ring Restrained Joint	1,813.78	
33 42 11 00-0228	EA	66" Snap Ring Restrained Joint	2,008.42	
33 42 11 00-0229	EA	72" Snap Ring Restrained Joint	2,239.44	

33 42 11 00-0230 Pipe Repairs *(33 42 11 00-0174)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0231 Lined Cylinder Pipe Repair *(33 42 11 00-0230)*

33 42 11 00-0232	EA	30" Lined Cylinder Pipe Repair	5,689.99	
33 42 11 00-0233	EA	36" Lined Cylinder Pipe Repair	7,033.21	
33 42 11 00-0234	EA	42" Lined Cylinder Pipe Repair	10,983.12	

33 42 11 00-0235 Embedded Cylinder Pipe Repair *(33 42 11 00-0230)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0236	EA	48" Embedded Cylinder Pipe Repair	16,415.51	
33 42 11 00-0237	EA	54" Embedded Cylinder Pipe Repair	19,071.60	
33 42 11 00-0238	EA	60" Embedded Cylinder Pipe Repair	21,746.72	
33 42 11 00-0239	EA	66" Embedded Cylinder Pipe Repair	24,570.50	
33 42 11 00-0240	EA	72" Embedded Cylinder Pipe Repair	29,577.09	

33 42 11 00-0241 High Density Polyethylene (HDPE) Piping *(33 42 11)*

33 42 11 00-0242 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0241)*

Note: Excludes couplings and gaskets.

33 42 11 00-0243 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0242)*

33 42 11 00-0244	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.86	7.37
		For <100, Add	*2.95*	
		For >1,000, Deduct	*-1.58*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0245	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.52	8.57
		For <100, Add	*3.43*	
		For >1,000, Deduct	*-1.98*	
33 42 11 00-0246	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	27.98	9.97
		For <100, Add	*3.99*	
		For >1,000, Deduct	*-2.40*	
33 42 11 00-0247	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	32.23	10.32
		For <100, Add	*4.13*	
		For >1,000, Deduct	*-2.64*	
33 42 11 00-0248	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	33.96	10.69
		For <100, Add	*4.27*	
		For >1,000, Deduct	*-2.77*	
33 42 11 00-0249	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	39.02	11.06
		For <100, Add	*4.43*	
		For >1,000, Deduct	*-3.06*	
33 42 11 00-0250	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	48.12	11.47
		For <100, Add	*4.59*	
		For >1,000, Deduct	*-3.55*	
33 42 11 00-0251	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	66.98	13.44
		For <100, Add	*5.37*	
		For >1,000, Deduct	*-4.69*	
33 42 11 00-0252	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	95.44	18.08
		For <100, Add	*7.23*	
		For >1,000, Deduct	*-6.58*	
33 42 11 00-0253	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	125.83	22.85
		For <100, Add	*9.14*	
		For >1,000, Deduct	*-8.58*	

33 42 11 00-0254 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0242)*

33 42 11 00-0255	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	33.74	10.69
		For <100, Add	*4.27*	
		For >1,000, Deduct	*-2.76*	
33 42 11 00-0256	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	39.91	11.06
		For <100, Add	*4.43*	
		For >1,000, Deduct	*-3.10*	
33 42 11 00-0257	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	49.45	11.47
		For <100, Add	*4.59*	
		For >1,000, Deduct	*-3.62*	
33 42 11 00-0258	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	69.09	13.44
		For <100, Add	*5.37*	
		For >1,000, Deduct	*-4.80*	
33 42 11 00-0259	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	101.22	18.08
		For <100, Add	*7.23*	
		For >1,000, Deduct	*-6.87*	
33 42 11 00-0260	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	130.13	22.85
		For <100, Add	*9.14*	
		For >1,000, Deduct	*-8.79*	
33 42 11 00-0261	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	171.73	24.93
		For <100, Add	*9.97*	
		For >1,000, Deduct	*-11.08*	
33 42 11 00-0262	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	186.86	28.13
		For <100, Add	*11.25*	
		For >1,000, Deduct	*-12.16*	

33 42 11 00-0263 Perforated, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0241)*

Note: Excludes couplings and gaskets.

33 42 11 00-0264 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 42 11 00-0263)*

33 42 11 00-0265	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.97	7.37
		For <100, Add	*2.95*	
		For >1,000, Deduct	*-1.64*	
33 42 11 00-0266	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.56	8.57
		For <100, Add	*3.43*	
		For >1,000, Deduct	*-1.99*	
33 42 11 00-0267	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	27.98	9.97
		For <100, Add	*3.99*	
		For >1,000, Deduct	*-2.40*	
33 42 11 00-0268	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	32.27	10.32
		For <100, Add	*4.13*	
		For >1,000, Deduct	*-2.65*	
33 42 11 00-0269	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	33.96	10.69
		For <100, Add	*4.27*	
		For >1,000, Deduct	*-2.77*	
33 42 11 00-0270	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	39.06	11.06
		For <100, Add	*4.43*	
		For >1,000, Deduct	*-3.06*	
33 42 11 00-0271	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	48.16	11.47
		For <100, Add	*4.59*	
		For >1,000, Deduct	*-3.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0272	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	66.98	13.44
		For <100, Add	*5.37*	
		For >1,000, Deduct	*-4.69*	
33 42 11 00-0273	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	95.81	18.08
		For <100, Add	*7.23*	
		For >1,000, Deduct	*-6.60*	
33 42 11 00-0274	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	125.83	22.85
		For <100, Add	*9.14*	
		For >1,000, Deduct	*-8.58*	
33 42 11 00-0275		**Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping** *(33 42 11 00-0263)*		
33 42 11 00-0276	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	33.78	10.69
		For <100, Add	*4.27*	
		For >1,000, Deduct	*-2.76*	
33 42 11 00-0277	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	39.95	11.06
		For <100, Add	*4.43*	
		For >1,000, Deduct	*-3.10*	
33 42 11 00-0278	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	49.49	11.47
		For <100, Add	*4.59*	
		For >1,000, Deduct	*-3.62*	
33 42 11 00-0279	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	69.09	13.44
		For <100, Add	*5.37*	
		For >1,000, Deduct	*-4.80*	
33 42 11 00-0280	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	101.22	18.08
		For <100, Add	*7.23*	
		For >1,000, Deduct	*-6.87*	
33 42 11 00-0281	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	130.13	22.85
		For <100, Add	*9.14*	
		For >1,000, Deduct	*-8.79*	
33 42 11 00-0282	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	171.73	24.93
		For <100, Add	*9.97*	
		For >1,000, Deduct	*-11.08*	
33 42 11 00-0283	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	186.86	28.13
		For <100, Add	*11.25*	
		For >1,000, Deduct	*-12.16*	
33 42 11 00-0284		**Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings** *(33 42 11 00-0241)*		
		Note: Excludes couplings and gaskets.		
33 42 11 00-0285		**Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** *(33 42 11 00-0284)*		
33 42 11 00-0286	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	74.74	24.94
33 42 11 00-0287	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	94.78	29.10
33 42 11 00-0288	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	157.53	35.34
33 42 11 00-0289	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	244.23	43.66
33 42 11 00-0290	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	391.89	51.98
33 42 11 00-0291	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	555.21	67.91
33 42 11 00-0292	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	800.85	91.47
33 42 11 00-0293	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,031.53	104.41
33 42 11 00-0294	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,825.92	120.58
33 42 11 00-0295	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,351.08	139.28
33 42 11 00-0296	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	3,939.28	166.31
33 42 11 00-0297	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	4,948.80	197.50
33 42 11 00-0298		**Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** *(33 42 11 00-0284)*		
33 42 11 00-0299	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	114.01	24.94
33 42 11 00-0300	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	137.88	29.10
33 42 11 00-0301	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	184.74	35.34
33 42 11 00-0302	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	274.22	43.66
33 42 11 00-0303	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	488.39	51.98
33 42 11 00-0304	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	525.61	67.91
33 42 11 00-0305	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	743.26	91.47
33 42 11 00-0306		**22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** *(33 42 11 00-0284)*		
33 42 11 00-0307	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	44.90	16.64
33 42 11 00-0308	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	55.83	19.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0309	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	83.24	23.56
33 42 11 00-0310	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	104.97	29.10
33 42 11 00-0311	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	155.14	34.65
33 42 11 00-0312	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	248.99	44.35
33 42 11 00-0313	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	329.17	60.98
33 42 11 00-0314	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	642.14	69.29
33 42 11 00-0315	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	898.22	80.38
33 42 11 00-0316	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,053.09	92.86
33 42 11 00-0317	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,348.75	110.87
33 42 11 00-0318	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,830.19	131.66
33 42 11 00-0319		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 42 11 00-0284)*		
33 42 11 00-0320	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	49.19	16.64
33 42 11 00-0321	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	64.78	19.41
33 42 11 00-0322	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	87.81	23.56
33 42 11 00-0323	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	142.15	29.10
33 42 11 00-0324	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	155.14	34.65
33 42 11 00-0325	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	248.25	44.35
33 42 11 00-0326	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	389.13	60.98
33 42 11 00-0327	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	688.46	69.29
33 42 11 00-0328	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	900.42	80.38
33 42 11 00-0329	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,152.92	92.86
33 42 11 00-0330	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,734.05	110.87
33 42 11 00-0331	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,175.53	131.66
33 42 11 00-0332		Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0241)*		
		Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0333		Couplings, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*		
33 42 11 00-0334	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.56	
33 42 11 00-0335	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.60	
33 42 11 00-0336	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.08	
33 42 11 00-0337	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	8.70	
33 42 11 00-0338	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	9.36	
33 42 11 00-0339	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	13.33	
33 42 11 00-0340	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	19.72	
33 42 11 00-0341	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	31.39	
33 42 11 00-0342	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	48.19	
33 42 11 00-0343	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	63.06	
33 42 11 00-0344	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	99.14	
33 42 11 00-0345	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	134.09	
33 42 11 00-0346		Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*		
33 42 11 00-0347	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	135.77	
33 42 11 00-0348	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	142.16	
33 42 11 00-0349	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	148.85	
33 42 11 00-0350	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	155.84	
33 42 11 00-0351	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	184.84	
33 42 11 00-0352	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	190.85	
33 42 11 00-0353	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	199.05	
33 42 11 00-0354	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	226.73	
33 42 11 00-0355	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	363.46	
33 42 11 00-0356	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	398.10	
33 42 11 00-0357	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	433.77	
33 42 11 00-0358	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	526.82	
33 42 11 00-0359		End Caps, Corrugated High Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*		
33 42 11 00-0360	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	34.91	
33 42 11 00-0361	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	40.83	
33 42 11 00-0362	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	65.29	
33 42 11 00-0363	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	110.07	
33 42 11 00-0364	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	127.90	
33 42 11 00-0365	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	172.41	
33 42 11 00-0366	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	178.88	
33 42 11 00-0367		Vitrified Clay Piping *(33 42 11)*		
33 42 11 00-0368		Extra Strength Vitrified Clay Piping *(33 42 11 00-0367)*		
33 42 11 00-0369		Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0368)*		
		Note: ASTM C700.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0370	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	22.24	
		For 3' Lengths, Add	*1.93*	
		For 2' Lengths, Add	*2.57*	
		For Standard Strength, Deduct	*-0.64*	
		For >1,000, Deduct	*-1.11*	
33 42 11 00-0371	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	36.93	
		For 3' Lengths, Add	*2.99*	
		For 2' Lengths, Add	*3.99*	
		For Standard Strength, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.85*	
33 42 11 00-0372	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	44.22	
		For 3' Lengths, Add	*4.28*	
		For 2' Lengths, Add	*5.71*	
		For Standard Strength, Deduct	*-1.43*	
		For >1,000, Deduct	*-2.21*	
33 42 11 00-0373	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	52.98	
		For 3' Lengths, Add	*6.56*	
		For 2' Lengths, Add	*8.74*	
		For Standard Strength, Deduct	*-2.19*	
		For >1,000, Deduct	*-2.65*	
33 42 11 00-0374	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	64.82	
		For 3' Lengths, Add	*9.26*	
		For 2' Lengths, Add	*12.34*	
		For Standard Strength, Deduct	*-3.09*	
		For >1,000, Deduct	*-3.24*	
33 42 11 00-0375	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	95.63	
		For 3' Lengths, Add	*17.35*	
		For 2' Lengths, Add	*23.14*	
		For Standard Strength, Deduct	*-5.78*	
		For >1,000, Deduct	*-4.78*	
33 42 11 00-0376	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	130.03	
		For 3' Lengths, Add	*24.87*	
		For 2' Lengths, Add	*33.16*	
		For Standard Strength, Deduct	*-8.29*	
		For >1,000, Deduct	*-6.50*	
33 42 11 00-0377	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	192.25	
		For 3' Lengths, Add	*39.84*	
		For 2' Lengths, Add	*53.12*	
		For Standard Strength, Deduct	*-13.28*	
		For >1,000, Deduct	*-9.61*	
33 42 11 00-0378	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	245.68	
		For 3' Lengths, Add	*52.05*	
		For 2' Lengths, Add	*69.40*	
		For Standard Strength, Deduct	*-17.35*	
		For >1,000, Deduct	*-12.28*	
33 42 11 00-0379	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	303.99	
		For 3' Lengths, Add	*64.91*	
		For 2' Lengths, Add	*86.54*	
		For Standard Strength, Deduct	*-21.64*	
		For >1,000, Deduct	*-15.20*	
33 42 11 00-0380	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	367.76	
		For 3' Lengths, Add	*78.40*	
		For 2' Lengths, Add	*104.54*	
		For Standard Strength, Deduct	*-26.13*	
		For >1,000, Deduct	*-18.39*	

33 42 11 00-0381 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0368)*

Note: ASTM C425.

33 42 11 00-0382	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	31.53	
		For 3' Lengths, Add	*2.27*	
		For 2' Lengths, Add	*3.03*	
		For Standard Strength, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.58*	
33 42 11 00-0383	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	39.33	
		For 3' Lengths, Add	*3.71*	
		For 2' Lengths, Add	*4.95*	
		For Standard Strength, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.97*	
33 42 11 00-0384	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	47.43	
		For 3' Lengths, Add	*5.24*	
		For 2' Lengths, Add	*6.99*	
		For Standard Strength, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.37*	
33 42 11 00-0385	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	59.83	
		For 3' Lengths, Add	*8.61*	
		For 2' Lengths, Add	*11.48*	
		For Standard Strength, Deduct	*-2.87*	
		For >1,000, Deduct	*-2.99*	
33 42 11 00-0386	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	71.67	
		For 3' Lengths, Add	*11.31*	
		For 2' Lengths, Add	*15.08*	
		For Standard Strength, Deduct	*-3.77*	
		For >1,000, Deduct	*-3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0387	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	106.55	
		For 3' Lengths, Add	*20.63*	
		For 2' Lengths, Add	*27.50*	
		For Standard Strength, Deduct	*-6.88*	
		For >1,000, Deduct	*-5.33*	
33 42 11 00-0388	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	147.81	
		For 3' Lengths, Add	*30.20*	
		For 2' Lengths, Add	*40.27*	
		For Standard Strength, Deduct	*-10.07*	
		For >1,000, Deduct	*-7.39*	
33 42 11 00-0389	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	212.60	
		For 3' Lengths, Add	*45.95*	
		For 2' Lengths, Add	*61.26*	
		For Standard Strength, Deduct	*-15.32*	
		For >1,000, Deduct	*-10.63*	
33 42 11 00-0390	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	277.81	
		For 3' Lengths, Add	*61.69*	
		For 2' Lengths, Add	*82.26*	
		For Standard Strength, Deduct	*-20.56*	
		For >1,000, Deduct	*-13.89*	
33 42 11 00-0391	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	445.37	
		For 3' Lengths, Add	*107.32*	
		For 2' Lengths, Add	*143.09*	
		For Standard Strength, Deduct	*-35.77*	
		For >1,000, Deduct	*-22.27*	
33 42 11 00-0392	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	633.38	
		For 3' Lengths, Add	*158.09*	
		For 2' Lengths, Add	*210.78*	
		For Standard Strength, Deduct	*-52.70*	
		For >1,000, Deduct	*-31.67*	

33 42 11 00-0393 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0367)*

33 42 11 00-0394 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

33 42 11 00-0395 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0394)*

33 42 11 00-0396	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	93.30
33 42 11 00-0397	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	126.09
33 42 11 00-0398	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	180.40
33 42 11 00-0399	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	248.00
33 42 11 00-0400	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	327.89
33 42 11 00-0401	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	784.72
33 42 11 00-0402	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,107.03
33 42 11 00-0403	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,727.80
33 42 11 00-0404	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,993.99
33 42 11 00-0405	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,315.27
33 42 11 00-0406	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,474.69

33 42 11 00-0407 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0394)*

33 42 11 00-0408	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	105.44
33 42 11 00-0409	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	150.08
33 42 11 00-0410	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	203.48
33 42 11 00-0411	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	272.69
33 42 11 00-0412	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	346.32
33 42 11 00-0413	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	880.19
33 42 11 00-0414	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,280.85
33 42 11 00-0415	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,316.30
33 42 11 00-0416	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,553.78
33 42 11 00-0417	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,843.70
33 42 11 00-0418	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,224.53

33 42 11 00-0419 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

33 42 11 00-0420 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0419)*

33 42 11 00-0421	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	109.12
33 42 11 00-0422	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	145.14
33 42 11 00-0423	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	202.68
33 42 11 00-0424	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	272.11
33 42 11 00-0425	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	355.05
33 42 11 00-0426	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	814.95
33 42 11 00-0427	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,144.73
33 42 11 00-0428	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,775.35
33 42 11 00-0429	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,051.73
33 42 11 00-0430	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,387.28
33 42 11 00-0431	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,554.73

33 42 11 00-0432 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0419)*

33 42 11 00-0433	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	124.41
33 42 11 00-0434	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	172.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0435	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	230.21	
33 42 11 00-0436	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	301.63	
33 42 11 00-0437	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	378.93	
33 42 11 00-0438	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	916.46	
33 42 11 00-0439	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,326.09	
33 42 11 00-0440	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,574.16	
33 42 11 00-0441	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,623.07	
33 42 11 00-0442	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,930.11	
33 42 11 00-0443	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,320.58	
33 42 11 00-0444		Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*		
33 42 11 00-0445		Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0444)*		
33 42 11 00-0446	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	119.83	
33 42 11 00-0447	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	156.49	
33 42 11 00-0448	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	212.80	
33 42 11 00-0449	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	281.11	
33 42 11 00-0450	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	355.54	
33 42 11 00-0451	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	822.86	
33 42 11 00-0452	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,151.72	
33 42 11 00-0453	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,664.38	
33 42 11 00-0454	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,316.52	
33 42 11 00-0455	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,451.22	
33 42 11 00-0456	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,526.45	
33 42 11 00-0457		Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0444)*		
33 42 11 00-0458	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	146.42	
33 42 11 00-0459	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	200.89	
33 42 11 00-0460	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	264.65	
33 42 11 00-0461	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	342.19	
33 42 11 00-0462	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	427.07	
33 42 11 00-0463	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,000.95	
33 42 11 00-0464	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,442.90	
33 42 11 00-0465	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,142.62	
33 42 11 00-0466	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,838.98	
33 42 11 00-0467	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,283.66	
33 42 11 00-0468	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,662.65	
33 42 11 00-0469		Vitrified Clay Couplings *(33 42 11 00-0367)*		
33 42 11 00-0470		Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-0469)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0471	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	33.17	
33 42 11 00-0472	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	32.88	
33 42 11 00-0473	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	44.35	
33 42 11 00-0474	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	42.03	
33 42 11 00-0475	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	53.72	
33 42 11 00-0476	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	55.73	
33 42 11 00-0477	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	51.28	
33 42 11 00-0478	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	72.59	
33 42 11 00-0479	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	67.50	
33 42 11 00-0480	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	93.93	
33 42 11 00-0481	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	86.06	
33 42 11 00-0482	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	115.86	
33 42 11 00-0483	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	97.80	
33 42 11 00-0484	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	192.54	
33 42 11 00-0485	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	149.50	
33 42 11 00-0486		Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-0469)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0487	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	72.85	
33 42 11 00-0488	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	97.23	
33 42 11 00-0489	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	102.91	
33 42 11 00-0490	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	107.88	
33 42 11 00-0491	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	133.47	
33 42 11 00-0492	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	155.03	
33 42 11 00-0493		Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-0469)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0494	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	74.75	
33 42 11 00-0495	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	99.14	
33 42 11 00-0496	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	90.67	
33 42 11 00-0497	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	119.26	
33 42 11 00-0498	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	173.33	
33 42 11 00-0499	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	195.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0500		Corrugated Metal Piping *(33 42 11)*		
33 42 11 00-0501		Galvanized Corrugated Steel Piping *(33 42 11 00-0500)*		
33 42 11 00-0502		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*		
33 42 11 00-0503		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*		
33 42 11 00-0504	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	47.06	11.24
		For Bituminous Coated Pipe, Add	*5.74*	
		For Bituminous Coated And 25% Paved, Add	*11.73*	
		For Smooth-Flo, Add	*20.95*	
33 42 11 00-0505	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.02	11.78
		For Bituminous Coated Pipe, Add	*7.22*	
		For Bituminous Coated And 25% Paved, Add	*14.77*	
		For Smooth-Flo, Add	*26.37*	
33 42 11 00-0506	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	61.21	12.85
		For Bituminous Coated Pipe, Add	*8.75*	
		For Bituminous Coated And 25% Paved, Add	*17.89*	
		For Smooth-Flo, Add	*31.95*	
33 42 11 00-0507	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	70.28	13.92
		For Bituminous Coated Pipe, Add	*10.46*	
		For Bituminous Coated And 25% Paved, Add	*21.40*	
		For Smooth-Flo, Add	*38.22*	
33 42 11 00-0508	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	78.03	15.00
		For Bituminous Coated Pipe, Add	*11.77*	
		For Bituminous Coated And 25% Paved, Add	*24.08*	
		For Smooth-Flo, Add	*43.01*	
33 42 11 00-0509	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	102.66	19.28
		For Bituminous Coated Pipe, Add	*15.28*	
		For Bituminous Coated And 25% Paved, Add	*31.24*	
		For Smooth-Flo, Add	*55.80*	
33 42 11 00-0510	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	132.81	25.08
		For Bituminous Coated Pipe, Add	*19.27*	
		For Bituminous Coated And 25% Paved, Add	*39.41*	
		For Smooth-Flo, Add	*70.38*	
33 42 11 00-0511	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	152.23	29.64
		For Bituminous Coated Pipe, Add	*22.80*	
		For Bituminous Coated And 25% Paved, Add	*46.63*	
		For Smooth-Flo, Add	*83.27*	
33 42 11 00-0512	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	170.98	34.20
		For Bituminous Coated Pipe, Add	*25.53*	
		For Bituminous Coated And 25% Paved, Add	*52.23*	
		For Smooth-Flo, Add	*93.27*	
33 42 11 00-0513		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*		
33 42 11 00-0514	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	52.18	11.24
		For Bituminous Coated Pipe, Add	*5.82*	
		For Bituminous Coated And 25% Paved, Add	*13.49*	
		For Smooth-Flo, Add	*27.26*	
33 42 11 00-0515	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	60.33	11.78
		For Bituminous Coated Pipe, Add	*7.30*	
		For Bituminous Coated And 25% Paved, Add	*16.91*	
		For Smooth-Flo, Add	*34.19*	
33 42 11 00-0516	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	68.83	12.85
		For Bituminous Coated Pipe, Add	*8.84*	
		For Bituminous Coated And 25% Paved, Add	*20.48*	
		For Smooth-Flo, Add	*41.40*	
33 42 11 00-0517	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	79.09	13.92
		For Bituminous Coated Pipe, Add	*10.51*	
		For Bituminous Coated And 25% Paved, Add	*24.35*	
		For Smooth-Flo, Add	*49.23*	
33 42 11 00-0518	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	88.27	15.00
		For Bituminous Coated Pipe, Add	*11.90*	
		For Bituminous Coated And 25% Paved, Add	*27.56*	
		For Smooth-Flo, Add	*55.71*	
33 42 11 00-0519	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	115.16	19.28
		For Bituminous Coated Pipe, Add	*15.28*	
		For Bituminous Coated And 25% Paved, Add	*35.39*	
		For Smooth-Flo, Add	*71.54*	
33 42 11 00-0520	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	147.99	25.08
		For Bituminous Coated Pipe, Add	*19.15*	
		For Bituminous Coated And 25% Paved, Add	*44.36*	
		For Smooth-Flo, Add	*89.67*	
33 42 11 00-0521	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	169.61	29.64
		For Bituminous Coated Pipe, Add	*22.54*	
		For Bituminous Coated And 25% Paved, Add	*52.22*	
		For Smooth-Flo, Add	*105.55*	
33 42 11 00-0522	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	190.87	34.20
		For Bituminous Coated Pipe, Add	*25.33*	
		For Bituminous Coated And 25% Paved, Add	*58.69*	
		For Smooth-Flo, Add	*118.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0523	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	229.33	38.76
		For Bituminous Coated Pipe, Add	*31.15*	
		For Bituminous Coated And 25% Paved, Add	*72.17*	
		For Smooth-Flo, Add	*145.89*	
33 42 11 00-0524		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*		
33 42 11 00-0525	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	84.61	12.85
		For Bituminous Coated Pipe, Add	*10.12*	
		For Bituminous Coated And 25% Paved, Add	*18.28*	
		For Smooth-Flo, Add	*35.13*	
33 42 11 00-0526	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	97.43	13.92
		For Bituminous Coated Pipe, Add	*11.96*	
		For Bituminous Coated And 25% Paved, Add	*21.61*	
		For Smooth-Flo, Add	*41.52*	
33 42 11 00-0527	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	109.17	13.92
		For Bituminous Coated Pipe, Add	*18.56*	
		For Bituminous Coated And 25% Paved, Add	*24.50*	
		For Smooth-Flo, Add	*47.08*	
33 42 11 00-0528	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	141.00	19.28
		For Bituminous Coated Pipe, Add	*17.25*	
		For Bituminous Coated And 25% Paved, Add	*31.15*	
		For Smooth-Flo, Add	*59.86*	
33 42 11 00-0529	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	178.66	25.08
		For Bituminous Coated Pipe, Add	*21.33*	
		For Bituminous Coated And 25% Paved, Add	*38.52*	
		For Smooth-Flo, Add	*74.02*	
33 42 11 00-0530	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	205.04	29.64
		For Bituminous Coated Pipe, Add	*24.99*	
		For Bituminous Coated And 25% Paved, Add	*45.13*	
		For Smooth-Flo, Add	*86.74*	
33 42 11 00-0531	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	231.48	34.20
		For Bituminous Coated Pipe, Add	*28.22*	
		For Bituminous Coated And 25% Paved, Add	*50.97*	
		For Smooth-Flo, Add	*97.95*	
33 42 11 00-0532	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	274.16	38.76
		For Bituminous Coated Pipe, Add	*33.84*	
		For Bituminous Coated And 25% Paved, Add	*61.11*	
		For Smooth-Flo, Add	*117.44*	
33 42 11 00-0533	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	299.83	41.04
		For Bituminous Coated Pipe, Add	*37.06*	
		For Bituminous Coated And 25% Paved, Add	*66.92*	
		For Smooth-Flo, Add	*128.61*	
33 42 11 00-0534	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	363.59	50.16
		For Bituminous Coated Pipe, Add	*45.11*	
		For Bituminous Coated And 25% Paved, Add	*81.47*	
		For Smooth-Flo, Add	*156.57*	
33 42 11 00-0535		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*		
33 42 11 00-0536	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	207.36	25.08
		For Bituminous Coated Pipe, Add	*27.13*	
		For Bituminous Coated And 25% Paved, Add	*45.32*	
		For Smooth-Flo, Add	*64.67*	
33 42 11 00-0537	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	238.62	29.64
		For Bituminous Coated Pipe, Add	*31.78*	
		For Bituminous Coated And 25% Paved, Add	*53.09*	
		For Smooth-Flo, Add	*75.76*	
33 42 11 00-0538	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	269.58	34.20
		For Bituminous Coated Pipe, Add	*35.92*	
		For Bituminous Coated And 25% Paved, Add	*60.01*	
		For Smooth-Flo, Add	*85.62*	
33 42 11 00-0539	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	316.85	38.76
		For Bituminous Coated Pipe, Add	*42.55*	
		For Bituminous Coated And 25% Paved, Add	*71.07*	
		For Smooth-Flo, Add	*101.41*	
33 42 11 00-0540	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	347.34	41.04
		For Bituminous Coated Pipe, Add	*46.73*	
		For Bituminous Coated And 25% Paved, Add	*78.06*	
		For Smooth-Flo, Add	*111.38*	
33 42 11 00-0541	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	415.81	50.16
		For Bituminous Coated Pipe, Add	*55.90*	
		For Bituminous Coated And 25% Paved, Add	*93.37*	
		For Smooth-Flo, Add	*133.23*	
33 42 11 00-0542	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	486.08	72.95
		For Bituminous Coated Pipe, Add	*60.02*	
		For Bituminous Coated And 25% Paved, Add	*100.25*	
		For Smooth-Flo, Add	*143.05*	
33 42 11 00-0543		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*		
33 42 11 00-0544		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0545	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	159.13	25.08
		For Bituminous Coated Pipe, Add	*21.19*	
		For Bituminous Coated And 25% Paved, Add	*48.09*	
		For Smooth-Flo, Add	*95.76*	
33 42 11 00-0546	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	182.42	29.64
		For Bituminous Coated Pipe, Add	*24.88*	
		For Bituminous Coated And 25% Paved, Add	*56.47*	
		For Smooth-Flo, Add	*112.45*	
33 42 11 00-0547	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	204.98	34.20
		For Bituminous Coated Pipe, Add	*27.90*	
		For Bituminous Coated And 25% Paved, Add	*63.34*	
		For Smooth-Flo, Add	*126.12*	
33 42 11 00-0548	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	245.52	38.76
		For Bituminous Coated Pipe, Add	*34.08*	
		For Bituminous Coated And 25% Paved, Add	*77.37*	
		For Smooth-Flo, Add	*154.05*	
33 42 11 00-0549	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	267.50	41.04
		For Bituminous Coated Pipe, Add	*37.13*	
		For Bituminous Coated And 25% Paved, Add	*84.29*	
		For Smooth-Flo, Add	*167.84*	
33 42 11 00-0550	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	336.68	50.16
		For Bituminous Coated Pipe, Add	*47.69*	
		For Bituminous Coated And 25% Paved, Add	*108.27*	
		For Smooth-Flo, Add	*215.58*	
33 42 11 00-0551	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	399.27	72.95
		For Bituminous Coated Pipe, Add	*50.84*	
		For Bituminous Coated And 25% Paved, Add	*115.40*	
		For Smooth-Flo, Add	*229.79*	
33 42 11 00-0552	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	429.56	79.80
		For Bituminous Coated Pipe, Add	*53.99*	
		For Bituminous Coated And 25% Paved, Add	*122.57*	
		For Smooth-Flo, Add	*244.05*	
33 42 11 00-0553	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	456.74	85.50
		For Bituminous Coated Pipe, Add	*57.15*	
		For Bituminous Coated And 25% Paved, Add	*129.73*	
		For Smooth-Flo, Add	*258.32*	
33 42 11 00-0554	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	483.98	91.20
		For Bituminous Coated Pipe, Add	*60.32*	
		For Bituminous Coated And 25% Paved, Add	*136.92*	
		For Smooth-Flo, Add	*272.64*	
33 42 11 00-0555	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	511.93	96.89
		For Bituminous Coated Pipe, Add	*63.46*	
		For Bituminous Coated And 25% Paved, Add	*144.05*	
		For Smooth-Flo, Add	*286.84*	
33 42 11 00-0556	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	543.19	102.59
		For Bituminous Coated Pipe, Add	*66.64*	
		For Bituminous Coated And 25% Paved, Add	*151.27*	
		For Smooth-Flo, Add	*301.21*	
33 42 11 00-0557		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*		
33 42 11 00-0558	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	272.38	38.76
		For Bituminous Coated Pipe, Add	*39.45*	
		For Bituminous Coated And 25% Paved, Add	*77.33*	
		For Smooth-Flo, Add	*156.24*	
33 42 11 00-0559	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	297.21	41.04
		For Bituminous Coated Pipe, Add	*43.07*	
		For Bituminous Coated And 25% Paved, Add	*84.43*	
		For Smooth-Flo, Add	*170.57*	
33 42 11 00-0560	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	369.37	50.16
		For Bituminous Coated Pipe, Add	*54.23*	
		For Bituminous Coated And 25% Paved, Add	*106.29*	
		For Smooth-Flo, Add	*214.76*	
33 42 11 00-0561	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	434.88	72.95
		For Bituminous Coated Pipe, Add	*57.96*	
		For Bituminous Coated And 25% Paved, Add	*113.60*	
		For Smooth-Flo, Add	*229.52*	
33 42 11 00-0562	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	468.02	79.80
		For Bituminous Coated Pipe, Add	*61.69*	
		For Bituminous Coated And 25% Paved, Add	*120.90*	
		For Smooth-Flo, Add	*244.28*	
33 42 11 00-0563	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	498.24	85.50
		For Bituminous Coated Pipe, Add	*65.45*	
		For Bituminous Coated And 25% Paved, Add	*128.28*	
		For Smooth-Flo, Add	*259.18*	
33 42 11 00-0564	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	528.28	91.20
		For Bituminous Coated Pipe, Add	*69.18*	
		For Bituminous Coated And 25% Paved, Add	*135.59*	
		For Smooth-Flo, Add	*273.94*	
33 42 11 00-0565	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	559.15	96.89
		For Bituminous Coated Pipe, Add	*72.90*	
		For Bituminous Coated And 25% Paved, Add	*142.89*	
		For Smooth-Flo, Add	*288.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0566	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	593.27	102.59
		For Bituminous Coated Pipe, Add	*76.66*	
		For Bituminous Coated And 25% Paved, Add	*150.25*	
		For Smooth-Flo, Add	*303.56*	
33 42 11 00-0567	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	630.02	113.99
		For Bituminous Coated Pipe, Add	*80.41*	
		For Bituminous Coated And 25% Paved, Add	*157.60*	
		For Smooth-Flo, Add	*318.41*	
33 42 11 00-0568	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	665.95	125.39
		For Bituminous Coated Pipe, Add	*84.09*	
		For Bituminous Coated And 25% Paved, Add	*164.81*	
		For Smooth-Flo, Add	*332.98*	
33 42 11 00-0569		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*		
33 42 11 00-0570	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	363.12	41.04
		For Bituminous Coated Pipe, Add	*56.26*	
		For Bituminous Coated And 25% Paved, Add	*107.17*	
		For Smooth-Flo, Add	*174.67*	
33 42 11 00-0571	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	442.37	50.16
		For Bituminous Coated Pipe, Add	*68.83*	
		For Bituminous Coated And 25% Paved, Add	*131.12*	
		For Smooth-Flo, Add	*213.72*	
33 42 11 00-0572	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	514.25	72.95
		For Bituminous Coated Pipe, Add	*73.83*	
		For Bituminous Coated And 25% Paved, Add	*140.65*	
		For Smooth-Flo, Add	*229.25*	
33 42 11 00-0573	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	553.82	79.80
		For Bituminous Coated Pipe, Add	*78.85*	
		For Bituminous Coated And 25% Paved, Add	*150.20*	
		For Smooth-Flo, Add	*244.82*	
33 42 11 00-0574	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	590.41	85.50
		For Bituminous Coated Pipe, Add	*83.88*	
		For Bituminous Coated And 25% Paved, Add	*159.80*	
		For Smooth-Flo, Add	*260.46*	
33 42 11 00-0575	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	626.88	91.20
		For Bituminous Coated Pipe, Add	*88.90*	
		For Bituminous Coated And 25% Paved, Add	*169.35*	
		For Smooth-Flo, Add	*276.03*	
33 42 11 00-0576	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	664.25	96.89
		For Bituminous Coated Pipe, Add	*93.92*	
		For Bituminous Coated And 25% Paved, Add	*178.93*	
		For Smooth-Flo, Add	*291.63*	
33 42 11 00-0577	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	704.79	102.59
		For Bituminous Coated Pipe, Add	*98.96*	
		For Bituminous Coated And 25% Paved, Add	*188.52*	
		For Smooth-Flo, Add	*307.27*	
33 42 11 00-0578	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	747.86	113.99
		For Bituminous Coated Pipe, Add	*103.97*	
		For Bituminous Coated And 25% Paved, Add	*198.07*	
		For Smooth-Flo, Add	*322.84*	
33 42 11 00-0579	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	790.28	125.39
		For Bituminous Coated Pipe, Add	*108.95*	
		For Bituminous Coated And 25% Paved, Add	*207.55*	
		For Smooth-Flo, Add	*338.30*	
33 42 11 00-0580	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	831.57	136.79
		For Bituminous Coated Pipe, Add	*113.99*	
		For Bituminous Coated And 25% Paved, Add	*217.15*	
		For Smooth-Flo, Add	*353.94*	
33 42 11 00-0581		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*		
33 42 11 00-0582	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	588.26	72.95
		For Bituminous Coated Pipe, Add	*88.64*	
		For Bituminous Coated And 25% Paved, Add	*168.41*	
		For Smooth-Flo, Add	*225.14*	
33 42 11 00-0583	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	633.91	79.80
		For Bituminous Coated Pipe, Add	*94.86*	
		For Bituminous Coated And 25% Paved, Add	*180.24*	
		For Smooth-Flo, Add	*240.95*	
33 42 11 00-0584	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	676.57	85.50
		For Bituminous Coated Pipe, Add	*101.12*	
		For Bituminous Coated And 25% Paved, Add	*192.12*	
		For Smooth-Flo, Add	*256.83*	
33 42 11 00-0585	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	719.11	91.20
		For Bituminous Coated Pipe, Add	*107.34*	
		For Bituminous Coated And 25% Paved, Add	*203.95*	
		For Smooth-Flo, Add	*272.65*	
33 42 11 00-0586	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	762.55	96.89
		For Bituminous Coated Pipe, Add	*113.58*	
		For Bituminous Coated And 25% Paved, Add	*215.81*	
		For Smooth-Flo, Add	*288.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0587	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	809.17	102.59
		For Bituminous Coated Pipe, Add	*119.84*	
		For Bituminous Coated And 25% Paved, Add	*227.69*	
		For Smooth-Flo, Add	*304.38*	
33 42 11 00-0588	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	858.31	113.99
		For Bituminous Coated Pipe, Add	*126.06*	
		For Bituminous Coated And 25% Paved, Add	*239.52*	
		For Smooth-Flo, Add	*320.20*	
33 42 11 00-0589	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	906.74	125.39
		For Bituminous Coated Pipe, Add	*132.24*	
		For Bituminous Coated And 25% Paved, Add	*251.26*	
		For Smooth-Flo, Add	*335.90*	
33 42 11 00-0590	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	954.16	136.79
		For Bituminous Coated Pipe, Add	*138.51*	
		For Bituminous Coated And 25% Paved, Add	*263.17*	
		For Smooth-Flo, Add	*351.81*	
33 42 11 00-0591	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,003.56	148.19
		For Bituminous Coated Pipe, Add	*144.71*	
		For Bituminous Coated And 25% Paved, Add	*274.96*	
		For Smooth-Flo, Add	*367.57*	
33 42 11 00-0592	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,055.95	159.59
		For Bituminous Coated Pipe, Add	*150.97*	
		For Bituminous Coated And 25% Paved, Add	*286.84*	
		For Smooth-Flo, Add	*383.45*	
33 42 11 00-0593	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,111.85	170.99
		For Bituminous Coated Pipe, Add	*157.23*	
		For Bituminous Coated And 25% Paved, Add	*298.74*	
		For Smooth-Flo, Add	*399.36*	

33 42 11 00-0594 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

33 42 11 00-0595 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0596	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	205.75	34.20
		For Bituminous Coated Pipe, Add	*35.07*	
		For Bituminous Coated And 25% Paved, Add	*79.96*	
		For Smooth-Flo, Add	*126.95*	
33 42 11 00-0597	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	247.01	38.76
		For Bituminous Coated Pipe, Add	*42.98*	
		For Bituminous Coated And 25% Paved, Add	*97.98*	
		For Smooth-Flo, Add	*155.57*	
33 42 11 00-0598	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	268.80	41.04
		For Bituminous Coated Pipe, Add	*46.74*	
		For Bituminous Coated And 25% Paved, Add	*106.57*	
		For Smooth-Flo, Add	*169.20*	
33 42 11 00-0599	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	333.58	50.16
		For Bituminous Coated Pipe, Add	*58.84*	
		For Bituminous Coated And 25% Paved, Add	*134.16*	
		For Smooth-Flo, Add	*213.01*	
33 42 11 00-0600	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	395.82	72.95
		For Bituminous Coated Pipe, Add	*62.69*	
		For Bituminous Coated And 25% Paved, Add	*142.92*	
		For Smooth-Flo, Add	*226.92*	
33 42 11 00-0601	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	425.63	79.80
		For Bituminous Coated Pipe, Add	*66.51*	
		For Bituminous Coated And 25% Paved, Add	*151.64*	
		For Smooth-Flo, Add	*240.77*	
33 42 11 00-0602	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	452.27	85.50
		For Bituminous Coated Pipe, Add	*70.32*	
		For Bituminous Coated And 25% Paved, Add	*160.33*	
		For Smooth-Flo, Add	*254.56*	
33 42 11 00-0603	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	478.85	91.20
		For Bituminous Coated Pipe, Add	*74.12*	
		For Bituminous Coated And 25% Paved, Add	*168.98*	
		For Smooth-Flo, Add	*268.30*	
33 42 11 00-0604	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	506.52	96.89
		For Bituminous Coated Pipe, Add	*77.97*	
		For Bituminous Coated And 25% Paved, Add	*177.78*	
		For Smooth-Flo, Add	*282.26*	
33 42 11 00-0605	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	537.66	102.59
		For Bituminous Coated Pipe, Add	*81.92*	
		For Bituminous Coated And 25% Paved, Add	*186.77*	
		For Smooth-Flo, Add	*296.54*	

33 42 11 00-0606 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0607	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	280.59	38.76
		For Bituminous Coated Pipe, Add	*41.10*	
		For Bituminous Coated And 25% Paved, Add	*96.58*	
		For Smooth-Flo, Add	*174.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0608	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	306.14	41.04
		For Bituminous Coated Pipe, Add	*44.86*	
		For Bituminous Coated And 25% Paved, Add	*105.42*	
		For Smooth-Flo, Add	*190.88*	
33 42 11 00-0609	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	374.31	50.16
		For Bituminous Coated Pipe, Add	*55.22*	
		For Bituminous Coated And 25% Paved, Add	*129.77*	
		For Smooth-Flo, Add	*234.96*	
33 42 11 00-0610	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	439.82	72.95
		For Bituminous Coated Pipe, Add	*58.95*	
		For Bituminous Coated And 25% Paved, Add	*138.53*	
		For Smooth-Flo, Add	*250.82*	
33 42 11 00-0611	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	473.62	79.80
		For Bituminous Coated Pipe, Add	*62.81*	
		For Bituminous Coated And 25% Paved, Add	*147.59*	
		For Smooth-Flo, Add	*267.24*	
33 42 11 00-0612	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	504.01	85.50
		For Bituminous Coated Pipe, Add	*66.60*	
		For Bituminous Coated And 25% Paved, Add	*156.52*	
		For Smooth-Flo, Add	*283.40*	
33 42 11 00-0613	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	532.44	91.20
		For Bituminous Coated Pipe, Add	*70.01*	
		For Bituminous Coated And 25% Paved, Add	*164.52*	
		For Smooth-Flo, Add	*297.89*	
33 42 11 00-0614	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	565.52	96.89
		For Bituminous Coated Pipe, Add	*74.18*	
		For Bituminous Coated And 25% Paved, Add	*174.32*	
		For Smooth-Flo, Add	*315.63*	
33 42 11 00-0615	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	599.82	102.59
		For Bituminous Coated Pipe, Add	*77.97*	
		For Bituminous Coated And 25% Paved, Add	*183.22*	
		For Smooth-Flo, Add	*331.75*	
33 42 11 00-0616	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	636.57	113.99
		For Bituminous Coated Pipe, Add	*81.72*	
		For Bituminous Coated And 25% Paved, Add	*192.03*	
		For Smooth-Flo, Add	*347.70*	
33 42 11 00-0617	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	673.34	125.39
		For Bituminous Coated Pipe, Add	*85.56*	
		For Bituminous Coated And 25% Paved, Add	*201.08*	
		For Smooth-Flo, Add	*364.07*	

33 42 11 00-0618 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0619	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	376.04	41.04
		For Bituminous Coated Pipe, Add	*58.84*	
		For Bituminous Coated And 25% Paved, Add	*111.80*	
		For Smooth-Flo, Add	*201.82*	
33 42 11 00-0620	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	451.30	50.16
		For Bituminous Coated Pipe, Add	*70.62*	
		For Bituminous Coated And 25% Paved, Add	*134.17*	
		For Smooth-Flo, Add	*242.22*	
33 42 11 00-0621	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	524.13	72.95
		For Bituminous Coated Pipe, Add	*75.81*	
		For Bituminous Coated And 25% Paved, Add	*144.04*	
		For Smooth-Flo, Add	*260.03*	
33 42 11 00-0622	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	564.42	79.80
		For Bituminous Coated Pipe, Add	*80.97*	
		For Bituminous Coated And 25% Paved, Add	*153.84*	
		For Smooth-Flo, Add	*277.71*	
33 42 11 00-0623	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	601.37	85.50
		For Bituminous Coated Pipe, Add	*86.08*	
		For Bituminous Coated And 25% Paved, Add	*163.54*	
		For Smooth-Flo, Add	*295.24*	
33 42 11 00-0624	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	638.67	91.20
		For Bituminous Coated Pipe, Add	*91.26*	
		For Bituminous Coated And 25% Paved, Add	*173.39*	
		For Smooth-Flo, Add	*313.01*	
33 42 11 00-0625	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	676.63	96.89
		For Bituminous Coated Pipe, Add	*96.40*	
		For Bituminous Coated And 25% Paved, Add	*183.16*	
		For Smooth-Flo, Add	*330.65*	
33 42 11 00-0626	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	717.65	102.59
		For Bituminous Coated Pipe, Add	*101.53*	
		For Bituminous Coated And 25% Paved, Add	*192.91*	
		For Smooth-Flo, Add	*348.25*	
33 42 11 00-0627	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	761.55	113.99
		For Bituminous Coated Pipe, Add	*106.71*	
		For Bituminous Coated And 25% Paved, Add	*202.75*	
		For Smooth-Flo, Add	*366.02*	
33 42 11 00-0628	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	804.81	125.39
		For Bituminous Coated Pipe, Add	*111.86*	
		For Bituminous Coated And 25% Paved, Add	*212.53*	
		For Smooth-Flo, Add	*383.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0629	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	846.63	136.79
		For Bituminous Coated Pipe, Add	*117.00*	
		For Bituminous Coated And 25% Paved, Add	*222.30*	
		For Smooth-Flo, Add	*401.32*	

33 42 11 00-0630 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0631	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	604.87	72.95
		For Bituminous Coated Pipe, Add	*91.96*	
		For Bituminous Coated And 25% Paved, Add	*174.72*	
		For Smooth-Flo, Add	*274.49*	
33 42 11 00-0632	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	652.67	79.80
		For Bituminous Coated Pipe, Add	*98.62*	
		For Bituminous Coated And 25% Paved, Add	*187.37*	
		For Smooth-Flo, Add	*294.37*	
33 42 11 00-0633	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	696.64	85.50
		For Bituminous Coated Pipe, Add	*105.13*	
		For Bituminous Coated And 25% Paved, Add	*199.75*	
		For Smooth-Flo, Add	*313.81*	
33 42 11 00-0634	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	740.31	91.20
		For Bituminous Coated Pipe, Add	*111.58*	
		For Bituminous Coated And 25% Paved, Add	*212.01*	
		For Smooth-Flo, Add	*333.08*	
33 42 11 00-0635	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	785.18	96.89
		For Bituminous Coated Pipe, Add	*118.11*	
		For Bituminous Coated And 25% Paved, Add	*224.41*	
		For Smooth-Flo, Add	*352.56*	
33 42 11 00-0636	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	832.87	102.59
		For Bituminous Coated Pipe, Add	*124.58*	
		For Bituminous Coated And 25% Paved, Add	*236.69*	
		For Smooth-Flo, Add	*371.86*	
33 42 11 00-0637	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	883.44	113.99
		For Bituminous Coated Pipe, Add	*131.09*	
		For Bituminous Coated And 25% Paved, Add	*249.07*	
		For Smooth-Flo, Add	*391.30*	
33 42 11 00-0638	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	933.48	125.39
		For Bituminous Coated Pipe, Add	*137.59*	
		For Bituminous Coated And 25% Paved, Add	*261.42*	
		For Smooth-Flo, Add	*410.71*	
33 42 11 00-0639	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	981.91	136.79
		For Bituminous Coated Pipe, Add	*144.06*	
		For Bituminous Coated And 25% Paved, Add	*273.71*	
		For Smooth-Flo, Add	*430.01*	
33 42 11 00-0640	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,042.97	148.19
		For Bituminous Coated Pipe, Add	*152.60*	
		For Bituminous Coated And 25% Paved, Add	*289.93*	
		For Smooth-Flo, Add	*455.50*	
33 42 11 00-0641	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,099.29	159.59
		For Bituminous Coated Pipe, Add	*159.63*	
		For Bituminous Coated And 25% Paved, Add	*303.30*	
		For Smooth-Flo, Add	*476.51*	
33 42 11 00-0642	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,160.43	170.99
		For Bituminous Coated Pipe, Add	*166.95*	
		For Bituminous Coated And 25% Paved, Add	*317.20*	
		For Smooth-Flo, Add	*498.33*	

33 42 11 00-0643 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

33 42 11 00-0644 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0643)*

33 42 11 00-0645	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	71.45	12.85
		For Bituminous Coated Pipe, Add	*10.81*	
33 42 11 00-0646	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	82.31	13.92
		For Bituminous Coated Pipe, Add	*12.88*	
33 42 11 00-0647	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	92.14	15.00
		For Bituminous Coated Pipe, Add	*14.62*	
33 42 11 00-0648	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	120.40	19.28
		For Bituminous Coated Pipe, Add	*18.84*	
33 42 11 00-0649	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	154.54	25.08
		For Bituminous Coated Pipe, Add	*23.61*	
33 42 11 00-0650	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	177.53	29.64
		For Bituminous Coated Pipe, Add	*27.84*	
33 42 11 00-0651	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	199.98	34.20
		For Bituminous Coated Pipe, Add	*31.34*	
33 42 11 00-0652	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	239.87	38.76
		For Bituminous Coated Pipe, Add	*38.39*	
33 42 11 00-0653	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	261.72	41.04
		For Bituminous Coated Pipe, Add	*41.91*	

33 42 11 00-0654 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0643)*

33 42 11 00-0655	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	79.19	12.85
		For Bituminous Coated Pipe, Add	*12.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0656	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	91.36	13.92
		For Bituminous Coated Pipe, Add	*14.86*	
33 42 11 00-0657	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	102.44	15.00
		For Bituminous Coated Pipe, Add	*16.88*	
33 42 11 00-0658	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	133.20	19.28
		For Bituminous Coated Pipe, Add	*21.64*	
33 42 11 00-0659	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	169.96	25.08
		For Bituminous Coated Pipe, Add	*26.97*	
33 42 11 00-0660	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	195.57	29.64
		For Bituminous Coated Pipe, Add	*31.77*	
33 42 11 00-0661	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	220.58	34.20
		For Bituminous Coated Pipe, Add	*35.83*	
33 42 11 00-0662	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	263.03	38.76
		For Bituminous Coated Pipe, Add	*43.41*	
33 42 11 00-0663	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	287.50	41.04
		For Bituminous Coated Pipe, Add	*47.51*	
33 42 11 00-0664	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	353.71	50.16
		For Bituminous Coated Pipe, Add	*59.02*	
33 42 11 00-0665	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	418.08	72.95
		For Bituminous Coated Pipe, Add	*63.06*	
33 42 11 00-0666	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	450.40	79.80
		For Bituminous Coated Pipe, Add	*67.18*	

33 42 11 00-0667 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0643)*

33 42 11 00-0668	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	159.16	19.28
		For Bituminous Coated Pipe, Add	*22.61*	
33 42 11 00-0669	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	200.99	25.08
		For Bituminous Coated Pipe, Add	*27.93*	
33 42 11 00-0670	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	231.90	29.64
		For Bituminous Coated Pipe, Add	*32.86*	
33 42 11 00-0671	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	262.02	34.20
		For Bituminous Coated Pipe, Add	*37.15*	
33 42 11 00-0672	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	309.71	38.76
		For Bituminous Coated Pipe, Add	*44.34*	
33 42 11 00-0673	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	339.42	41.04
		For Bituminous Coated Pipe, Add	*48.68*	
33 42 11 00-0674	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	410.69	50.16
		For Bituminous Coated Pipe, Add	*59.06*	
33 42 11 00-0675	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	480.19	72.95
		For Bituminous Coated Pipe, Add	*63.34*	
33 42 11 00-0676	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	517.62	79.80
		For Bituminous Coated Pipe, Add	*67.67*	
33 42 11 00-0677	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	551.83	85.50
		For Bituminous Coated Pipe, Add	*71.98*	
33 42 11 00-0678	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	585.97	91.20
		For Bituminous Coated Pipe, Add	*76.28*	
33 42 11 00-0679	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	620.96	96.89
		For Bituminous Coated Pipe, Add	*80.58*	
33 42 11 00-0680	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	656.56	102.59
		For Bituminous Coated Pipe, Add	*84.40*	

33 42 11 00-0681 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

33 42 11 00-0682 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0681)*

33 42 11 00-0683	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.12	6.43
		For Bituminous Coated Pipe, Add	*2.76*	
33 42 11 00-0684	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	26.43	6.43
		For Bituminous Coated Pipe, Add	*3.33*	
33 42 11 00-0685	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.50	8.03
		For Bituminous Coated Pipe, Add	*3.66*	
33 42 11 00-0686	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	33.42	8.03
		For Bituminous Coated Pipe, Add	*4.37*	
33 42 11 00-0687	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.51	9.64
		For Bituminous Coated Pipe, Add	*4.59*	
33 42 11 00-0688	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	42.22	9.64
		For Bituminous Coated Pipe, Add	*5.50*	

33 42 11 00-0689 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0681)*

33 42 11 00-0690	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.44	6.43
		For Bituminous Coated Pipe, Add	*2.72*	
33 42 11 00-0691	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	26.68	6.43
		For Bituminous Coated Pipe, Add	*3.25*	
33 42 11 00-0692	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.82	8.03
		For Bituminous Coated Pipe, Add	*3.58*	
33 42 11 00-0693	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	33.93	8.03
		For Bituminous Coated Pipe, Add	*4.31*	
33 42 11 00-0694	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	39.06	9.64
		For Bituminous Coated Pipe, Add	*4.53*	
33 42 11 00-0695	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	42.87	9.64
		For Bituminous Coated Pipe, Add	*5.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0696		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0681)*		
33 42 11 00-0697	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.06	
		For Bituminous Coated Pipe, Add	*3.84*	
33 42 11 00-0698	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.58	
		For Bituminous Coated Pipe, Add	*5.08*	
33 42 11 00-0699	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.69	
		For Bituminous Coated Pipe, Add	*6.23*	
33 42 11 00-0700	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	61.52	
		For Bituminous Coated Pipe, Add	*8.49*	
33 42 11 00-0701	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	11.56	
		For Bituminous Coated Pipe, Add	*1.94*	
33 42 11 00-0702	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	15.00	
		For Bituminous Coated Pipe, Add	*2.91*	
33 42 11 00-0703		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0501)*		
33 42 11 00-0704		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0705	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	80.91	11.24
33 42 11 00-0706	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	96.70	11.78
33 42 11 00-0707	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	112.96	12.85
33 42 11 00-0708	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	132.11	13.92
33 42 11 00-0709	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	147.70	15.00
33 42 11 00-0710	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	192.91	19.28
33 42 11 00-0711	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	246.79	25.08
33 42 11 00-0712	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	287.04	29.64
33 42 11 00-0713	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	322.03	34.20
33 42 11 00-0714		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0715	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	93.37	11.24
33 42 11 00-0716	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	112.13	11.78
33 42 11 00-0717	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	131.44	12.85
33 42 11 00-0718	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	153.52	13.92
33 42 11 00-0719	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	172.57	15.00
33 42 11 00-0720	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	223.43	19.28
33 42 11 00-0721	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	283.63	25.08
33 42 11 00-0722	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	329.32	29.64
33 42 11 00-0723	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	370.28	34.20
33 42 11 00-0724	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	450.02	38.76
33 42 11 00-0725		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0726	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	169.97	12.85
33 42 11 00-0727	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	198.51	13.92
33 42 11 00-0728	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	223.72	15.00
33 42 11 00-0729	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	287.33	19.28
33 42 11 00-0730	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	344.64	25.08
33 42 11 00-0731	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	418.71	29.64
33 42 11 00-0732	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	472.29	34.20
33 42 11 00-0733	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	566.41	38.76
33 42 11 00-0734	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	619.01	41.04
33 42 11 00-0735	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	758.93	50.16
33 42 11 00-0736		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0737	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	430.36	25.08
33 42 11 00-0738	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	500.14	29.64
33 42 11 00-0739	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	564.78	34.20
33 42 11 00-0740	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	670.03	38.76
33 42 11 00-0741	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	734.36	41.04
33 42 11 00-0742	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	885.62	50.16
33 42 11 00-0743	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	989.29	72.95
33 42 11 00-0744		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0501)*		
33 42 11 00-0745		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0744)*		
33 42 11 00-0746	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	317.53	25.08
33 42 11 00-0747	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	368.60	29.64
33 42 11 00-0748	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	413.47	34.20
33 42 11 00-0749	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	502.02	38.76
33 42 11 00-0750	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	546.59	41.04
33 42 11 00-0751	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	698.30	50.16
33 42 11 00-0752	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	784.23	72.95
33 42 11 00-0753	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	837.78	79.80
33 42 11 00-0754	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	888.36	85.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0755	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	938.98	91.20
33 42 11 00-0756	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	990.26	96.89
33 42 11 00-0757	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,045.01	102.59
33 42 11 00-0758		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0744)*		
33 42 11 00-0759	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	568.64	38.76
33 42 11 00-0760	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	620.22	41.04
33 42 11 00-0761	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	779.40	50.16
33 42 11 00-0762	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	872.44	72.95
33 42 11 00-0763	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	933.20	79.80
33 42 11 00-0764	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	991.25	85.50
33 42 11 00-0765	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,048.87	91.20
33 42 11 00-0766	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,107.30	96.89
33 42 11 00-0767	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,169.31	102.59
33 42 11 00-0768	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,233.77	113.99
33 42 11 00-0769	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,296.90	125.39
33 42 11 00-0770		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0744)*		
33 42 11 00-0771	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	787.74	41.04
33 42 11 00-0772	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	965.76	50.16
33 42 11 00-0773	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,074.95	72.95
33 42 11 00-0774	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,151.95	79.80
33 42 11 00-0775	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,226.15	85.50
33 42 11 00-0776	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,300.04	91.20
33 42 11 00-0777	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,374.84	96.89
33 42 11 00-0778	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,452.98	102.59
33 42 11 00-0779	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,533.46	113.99
33 42 11 00-0780	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,613.08	125.39
33 42 11 00-0781	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,691.98	136.79
33 42 11 00-0782		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0744)*		
33 42 11 00-0783	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,259.48	72.95
33 42 11 00-0784	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,351.51	79.80
33 42 11 00-0785	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,440.88	85.50
33 42 11 00-0786	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,529.85	91.20
33 42 11 00-0787	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,619.85	96.89
33 42 11 00-0788	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,713.13	102.59
33 42 11 00-0789	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,808.78	113.99
33 42 11 00-0790	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,903.45	125.39
33 42 11 00-0791	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,997.49	136.79
33 42 11 00-0792	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,093.24	148.19
33 42 11 00-0793	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,192.29	159.59
33 42 11 00-0794	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,294.87	170.99
33 42 11 00-0795		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0501)*		
33 42 11 00-0796		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0797	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	399.11	34.20
33 42 11 00-0798	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	486.22	38.76
33 42 11 00-0799	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	528.48	41.04
33 42 11 00-0800	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	664.64	50.16
33 42 11 00-0801	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	747.82	72.95
33 42 11 00-0802	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	798.50	79.80
33 42 11 00-0803	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	845.83	85.50
33 42 11 00-0804	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	893.03	91.20
33 42 11 00-0805	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	941.60	96.89
33 42 11 00-0806	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	994.34	102.59
33 42 11 00-0807		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0808	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	565.34	38.76
33 42 11 00-0809	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	616.60	41.04
33 42 11 00-0810	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	760.75	50.16
33 42 11 00-0811	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	851.67	72.95
33 42 11 00-0812	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	911.73	79.80
33 42 11 00-0813	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	967.88	85.50
33 42 11 00-0814	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,019.50	91.20
33 42 11 00-0815	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,080.91	96.89
33 42 11 00-0816	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,141.01	102.59
33 42 11 00-0817	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,203.22	113.99
33 42 11 00-0818	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,266.14	125.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0819		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0820	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	793.23	41.04
33 42 11 00-0821	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	956.17	50.16
33 42 11 00-0822	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,065.55	72.95
33 42 11 00-0823	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,141.84	79.80
33 42 11 00-0824	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,214.55	85.50
33 42 11 00-0825	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,288.22	91.20
33 42 11 00-0826	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,362.25	96.89
33 42 11 00-0827	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,439.15	102.59
33 42 11 00-0828	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,519.40	113.99
33 42 11 00-0829	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,598.72	125.39
33 42 11 00-0830	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,676.55	136.79
33 42 11 00-0831		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0832	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,259.40	72.95
33 42 11 00-0833	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,353.73	79.80
33 42 11 00-0834	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,443.43	85.50
33 42 11 00-0835	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,532.34	91.20
33 42 11 00-0836	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,622.80	96.89
33 42 11 00-0837	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,715.91	102.59
33 42 11 00-0838	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,812.02	113.99
33 42 11 00-0839	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,907.60	125.39
33 42 11 00-0840	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,001.43	136.79
33 42 11 00-0841	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,122.26	148.19
33 42 11 00-0842	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,227.96	159.59
33 42 11 00-0843	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,340.29	170.99
33 42 11 00-0844		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0500)*		
33 42 11 00-0845		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0846		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*		
33 42 11 00-0847	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.75	11.78
		For Bituminous Coated Pipe, Add	*7.86*	
		For Bituminous Coated And 25% Paved, Add	*19.00*	
		For Smooth-Flo, Add	*31.34*	
33 42 11 00-0848	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.76	12.85
		For Bituminous Coated Pipe, Add	*9.38*	
		For Bituminous Coated And 25% Paved, Add	*22.69*	
		For Smooth-Flo, Add	*37.43*	
33 42 11 00-0849	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	72.42	13.92
		For Bituminous Coated Pipe, Add	*11.30*	
		For Bituminous Coated And 25% Paved, Add	*27.31*	
		For Smooth-Flo, Add	*45.05*	
33 42 11 00-0850	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	81.66	15.00
		For Bituminous Coated Pipe, Add	*13.02*	
		For Bituminous Coated And 25% Paved, Add	*31.47*	
		For Smooth-Flo, Add	*51.91*	
33 42 11 00-0851	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	105.93	19.28
		For Bituminous Coated Pipe, Add	*16.53*	
		For Bituminous Coated And 25% Paved, Add	*39.97*	
		For Smooth-Flo, Add	*65.93*	
33 42 11 00-0852	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	138.82	25.08
		For Bituminous Coated Pipe, Add	*21.32*	
		For Bituminous Coated And 25% Paved, Add	*51.54*	
		For Smooth-Flo, Add	*85.02*	
33 42 11 00-0853		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*		
33 42 11 00-0854	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.12	11.78
		For Bituminous Coated Pipe, Add	*8.15*	
		For Bituminous Coated And 25% Paved, Add	*19.08*	
		For Smooth-Flo, Add	*31.29*	
33 42 11 00-0855	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	70.56	12.85
		For Bituminous Coated Pipe, Add	*9.78*	
		For Bituminous Coated And 25% Paved, Add	*22.88*	
		For Smooth-Flo, Add	*37.53*	
33 42 11 00-0856	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	81.11	13.92
		For Bituminous Coated Pipe, Add	*11.62*	
		For Bituminous Coated And 25% Paved, Add	*27.19*	
		For Smooth-Flo, Add	*44.60*	
33 42 11 00-0857	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	91.72	15.00
		For Bituminous Coated Pipe, Add	*13.40*	
		For Bituminous Coated And 25% Paved, Add	*31.36*	
		For Smooth-Flo, Add	*51.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0858	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	118.49	19.28
		For Bituminous Coated Pipe, Add	*16.97*	
		For Bituminous Coated And 25% Paved, Add	*39.71*	
		For Smooth-Flo, Add	*65.13*	
33 42 11 00-0859	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	153.77	25.08
		For Bituminous Coated Pipe, Add	*21.62*	
		For Bituminous Coated And 25% Paved, Add	*50.59*	
		For Smooth-Flo, Add	*82.97*	
33 42 11 00-0860	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	177.83	29.64
		For Bituminous Coated Pipe, Add	*25.76*	
		For Bituminous Coated And 25% Paved, Add	*60.26*	
		For Smooth-Flo, Add	*98.84*	
33 42 11 00-0861		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*		
33 42 11 00-0862	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	92.29	13.68
		For Bituminous Coated Pipe, Add	*10.58*	
		For Bituminous Coated And 25% Paved, Add	*23.54*	
		For Smooth-Flo, Add	*36.20*	
33 42 11 00-0863	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	106.12	14.82
		For Bituminous Coated Pipe, Add	*12.55*	
		For Bituminous Coated And 25% Paved, Add	*27.92*	
		For Smooth-Flo, Add	*42.93*	
33 42 11 00-0864	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	119.66	15.96
		For Bituminous Coated Pipe, Add	*14.39*	
		For Bituminous Coated And 25% Paved, Add	*32.02*	
		For Smooth-Flo, Add	*49.24*	
33 42 11 00-0865	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	153.85	20.51
		For Bituminous Coated Pipe, Add	*18.12*	
		For Bituminous Coated And 25% Paved, Add	*40.32*	
		For Smooth-Flo, Add	*62.01*	
33 42 11 00-0866	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	184.25	25.08
		For Bituminous Coated Pipe, Add	*22.67*	
		For Bituminous Coated And 25% Paved, Add	*50.45*	
		For Smooth-Flo, Add	*77.58*	
33 42 11 00-0867	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	213.02	29.64
		For Bituminous Coated Pipe, Add	*26.81*	
		For Bituminous Coated And 25% Paved, Add	*59.67*	
		For Smooth-Flo, Add	*91.75*	
33 42 11 00-0868	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	249.28	34.20
		For Bituminous Coated Pipe, Add	*31.80*	
		For Bituminous Coated And 25% Paved, Add	*70.77*	
		For Smooth-Flo, Add	*108.82*	
33 42 11 00-0869	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	278.09	38.76
		For Bituminous Coated Pipe, Add	*35.12*	
		For Bituminous Coated And 25% Paved, Add	*78.15*	
		For Smooth-Flo, Add	*120.16*	
33 42 11 00-0870		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*		
33 42 11 00-0871	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	212.95	25.08
		For Bituminous Coated Pipe, Add	*27.32*	
		For Bituminous Coated And 25% Paved, Add	*57.51*	
		For Smooth-Flo, Add	*72.53*	
33 42 11 00-0872	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	246.48	29.64
		For Bituminous Coated Pipe, Add	*32.22*	
		For Bituminous Coated And 25% Paved, Add	*67.84*	
		For Smooth-Flo, Add	*85.56*	
33 42 11 00-0873	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	287.21	34.20
		For Bituminous Coated Pipe, Add	*37.92*	
		For Bituminous Coated And 25% Paved, Add	*79.83*	
		For Smooth-Flo, Add	*100.67*	
33 42 11 00-0874	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	320.96	38.76
		For Bituminous Coated Pipe, Add	*42.04*	
		For Bituminous Coated And 25% Paved, Add	*88.51*	
		For Smooth-Flo, Add	*111.62*	
33 42 11 00-0875	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	351.75	41.04
		For Bituminous Coated Pipe, Add	*46.15*	
		For Bituminous Coated And 25% Paved, Add	*97.17*	
		For Smooth-Flo, Add	*122.54*	
33 42 11 00-0876		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0877		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0878	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	277.68	38.76
		For Bituminous Coated Pipe, Add	*40.51*	
		For Bituminous Coated And 25% Paved, Add	*123.16*	
		For Smooth-Flo, Add	*137.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0879	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	303.52	41.04
		For Bituminous Coated Pipe, Add	*44.34*	
		For Bituminous Coated And 25% Paved, Add	*134.78*	
		For Smooth-Flo, Add	*150.74*	
33 42 11 00-0880	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	376.63	50.16
		For Bituminous Coated Pipe, Add	*55.68*	
		For Bituminous Coated And 25% Paved, Add	*169.28*	
		For Smooth-Flo, Add	*189.33*	
33 42 11 00-0881	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	443.57	72.95
		For Bituminous Coated Pipe, Add	*59.70*	
		For Bituminous Coated And 25% Paved, Add	*181.48*	
		For Smooth-Flo, Add	*202.97*	
33 42 11 00-0882	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	479.16	79.80
		For Bituminous Coated Pipe, Add	*63.91*	
		For Bituminous Coated And 25% Paved, Add	*194.30*	
		For Smooth-Flo, Add	*217.31*	
33 42 11 00-0883	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	511.75	85.50
		For Bituminous Coated Pipe, Add	*68.15*	
		For Bituminous Coated And 25% Paved, Add	*207.18*	
		For Smooth-Flo, Add	*231.72*	
33 42 11 00-0884	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	544.23	91.20
		For Bituminous Coated Pipe, Add	*72.37*	
		For Bituminous Coated And 25% Paved, Add	*220.00*	
		For Smooth-Flo, Add	*246.05*	
33 42 11 00-0885	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	577.49	96.89
		For Bituminous Coated Pipe, Add	*76.57*	
		For Bituminous Coated And 25% Paved, Add	*232.78*	
		For Smooth-Flo, Add	*260.34*	
33 42 11 00-0886		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0876)*		
33 42 11 00-0887	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	369.49	41.04
		For Bituminous Coated Pipe, Add	*57.53*	
		For Bituminous Coated And 25% Paved, Add	*150.73*	
		For Smooth-Flo, Add	*178.34*	
33 42 11 00-0888	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	449.81	50.16
		For Bituminous Coated Pipe, Add	*70.32*	
		For Bituminous Coated And 25% Paved, Add	*184.24*	
		For Smooth-Flo, Add	*217.99*	
33 42 11 00-0889	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	523.24	72.95
		For Bituminous Coated Pipe, Add	*75.63*	
		For Bituminous Coated And 25% Paved, Add	*198.16*	
		For Smooth-Flo, Add	*234.46*	
33 42 11 00-0890	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	565.26	79.80
		For Bituminous Coated Pipe, Add	*81.13*	
		For Bituminous Coated And 25% Paved, Add	*212.57*	
		For Smooth-Flo, Add	*251.52*	
33 42 11 00-0891	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	604.28	85.50
		For Bituminous Coated Pipe, Add	*86.66*	
		For Bituminous Coated And 25% Paved, Add	*227.04*	
		For Smooth-Flo, Add	*268.64*	
33 42 11 00-0892	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	643.25	91.20
		For Bituminous Coated Pipe, Add	*92.17*	
		For Bituminous Coated And 25% Paved, Add	*241.49*	
		For Smooth-Flo, Add	*285.73*	
33 42 11 00-0893	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	682.94	96.89
		For Bituminous Coated Pipe, Add	*97.66*	
		For Bituminous Coated And 25% Paved, Add	*255.87*	
		For Smooth-Flo, Add	*302.75*	
33 42 11 00-0894	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	726.05	102.59
		For Bituminous Coated Pipe, Add	*103.21*	
		For Bituminous Coated And 25% Paved, Add	*270.42*	
		For Smooth-Flo, Add	*319.96*	
33 42 11 00-0895	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	771.62	113.99
		For Bituminous Coated Pipe, Add	*108.73*	
		For Bituminous Coated And 25% Paved, Add	*284.86*	
		For Smooth-Flo, Add	*337.05*	
33 42 11 00-0896	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	819.46	125.39
		For Bituminous Coated Pipe, Add	*114.79*	
		For Bituminous Coated And 25% Paved, Add	*300.74*	
		For Smooth-Flo, Add	*355.84*	
33 42 11 00-0897		**10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0876)*		
33 42 11 00-0898	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	597.25	72.95
		For Bituminous Coated Pipe, Add	*90.43*	
		For Bituminous Coated And 25% Paved, Add	*215.23*	
		For Smooth-Flo, Add	*233.77*	
33 42 11 00-0899	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	645.40	79.80
		For Bituminous Coated Pipe, Add	*97.16*	
		For Bituminous Coated And 25% Paved, Add	*231.25*	
		For Smooth-Flo, Add	*251.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0900	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	690.50	85.50
		For Bituminous Coated Pipe, Add	*103.90*	
		For Bituminous Coated And 25% Paved, Add	*247.29*	
		For Smooth-Flo, Add	*268.59*	
33 42 11 00-0901	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	735.43	91.20
		For Bituminous Coated Pipe, Add	*110.61*	
		For Bituminous Coated And 25% Paved, Add	*263.25*	
		For Smooth-Flo, Add	*285.92*	
33 42 11 00-0902	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	781.25	96.89
		For Bituminous Coated Pipe, Add	*117.32*	
		For Bituminous Coated And 25% Paved, Add	*279.23*	
		For Smooth-Flo, Add	*303.28*	
33 42 11 00-0903	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	830.37	102.59
		For Bituminous Coated Pipe, Add	*124.08*	
		For Bituminous Coated And 25% Paved, Add	*295.30*	
		For Smooth-Flo, Add	*320.74*	
33 42 11 00-0904	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	882.01	113.99
		For Bituminous Coated Pipe, Add	*130.80*	
		For Bituminous Coated And 25% Paved, Add	*311.31*	
		For Smooth-Flo, Add	*338.13*	
33 42 11 00-0905	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	935.44	125.39
		For Bituminous Coated Pipe, Add	*137.98*	
		For Bituminous Coated And 25% Paved, Add	*328.40*	
		For Smooth-Flo, Add	*356.69*	
33 42 11 00-0906	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	994.65	136.79
		For Bituminous Coated Pipe, Add	*146.61*	
		For Bituminous Coated And 25% Paved, Add	*348.92*	
		For Smooth-Flo, Add	*378.98*	
33 42 11 00-0907		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0908		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0907)*		
33 42 11 00-0909	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	530.50	72.95
		For Bituminous Coated Pipe, Add	*77.08*	
		For Bituminous Coated And 25% Paved, Add	*188.08*	
		For Smooth-Flo, Add	*239.35*	
33 42 11 00-0910	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	571.81	79.80
		For Bituminous Coated Pipe, Add	*82.44*	
		For Bituminous Coated And 25% Paved, Add	*201.16*	
		For Smooth-Flo, Add	*255.99*	
33 42 11 00-0911	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	609.70	85.50
		For Bituminous Coated Pipe, Add	*87.74*	
		For Bituminous Coated And 25% Paved, Add	*214.09*	
		For Smooth-Flo, Add	*272.44*	
33 42 11 00-0912	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	647.60	91.20
		For Bituminous Coated Pipe, Add	*93.04*	
		For Bituminous Coated And 25% Paved, Add	*227.02*	
		For Smooth-Flo, Add	*288.90*	
33 42 11 00-0913	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	686.51	96.89
		For Bituminous Coated Pipe, Add	*98.38*	
		For Bituminous Coated And 25% Paved, Add	*240.04*	
		For Smooth-Flo, Add	*305.46*	
33 42 11 00-0914	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	729.03	102.59
		For Bituminous Coated Pipe, Add	*103.81*	
		For Bituminous Coated And 25% Paved, Add	*253.29*	
		For Smooth-Flo, Add	*322.32*	
33 42 11 00-0915	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	774.00	113.99
		For Bituminous Coated Pipe, Add	*109.20*	
		For Bituminous Coated And 25% Paved, Add	*266.45*	
		For Smooth-Flo, Add	*339.07*	
33 42 11 00-0916	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	825.35	125.39
		For Bituminous Coated Pipe, Add	*115.97*	
		For Bituminous Coated And 25% Paved, Add	*282.96*	
		For Smooth-Flo, Add	*360.07*	
33 42 11 00-0917		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0907)*		
33 42 11 00-0918	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	612.43	72.95
		For Bituminous Coated Pipe, Add	*93.47*	
		For Bituminous Coated And 25% Paved, Add	*211.24*	
		For Smooth-Flo, Add	*229.47*	
33 42 11 00-0919	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	660.29	79.80
		For Bituminous Coated Pipe, Add	*100.14*	
		For Bituminous Coated And 25% Paved, Add	*226.32*	
		For Smooth-Flo, Add	*245.84*	
33 42 11 00-0920	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	704.85	85.50
		For Bituminous Coated Pipe, Add	*106.77*	
		For Bituminous Coated And 25% Paved, Add	*241.30*	
		For Smooth-Flo, Add	*262.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0921	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	749.60	91.20
		For Bituminous Coated Pipe, Add	*113.44*	
		For Bituminous Coated And 25% Paved, Add	*256.38*	
		For Smooth-Flo, Add	*278.50*	
33 42 11 00-0922	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	794.05	96.89
		For Bituminous Coated Pipe, Add	*119.88*	
		For Bituminous Coated And 25% Paved, Add	*270.94*	
		For Smooth-Flo, Add	*294.32*	
33 42 11 00-0923	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	844.12	102.59
		For Bituminous Coated Pipe, Add	*126.83*	
		For Bituminous Coated And 25% Paved, Add	*286.63*	
		For Smooth-Flo, Add	*311.36*	
33 42 11 00-0924	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	895.88	113.99
		For Bituminous Coated Pipe, Add	*133.58*	
		For Bituminous Coated And 25% Paved, Add	*301.89*	
		For Smooth-Flo, Add	*327.93*	
33 42 11 00-0925	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	953.96	125.39
		For Bituminous Coated Pipe, Add	*141.69*	
		For Bituminous Coated And 25% Paved, Add	*320.21*	
		For Smooth-Flo, Add	*347.84*	
33 42 11 00-0926	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	1,008.35	136.79
		For Bituminous Coated Pipe, Add	*149.35*	
		For Bituminous Coated And 25% Paved, Add	*337.52*	
		For Smooth-Flo, Add	*366.64*	
33 42 11 00-0927		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0928		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0927)*		
33 42 11 00-0929	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.80	11.78
33 42 11 00-0930	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.83	12.85
33 42 11 00-0931	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	131.63	13.92
33 42 11 00-0932	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	149.98	15.00
33 42 11 00-0933	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	192.96	19.28
33 42 11 00-0934	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	251.88	25.08
33 42 11 00-0935		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0927)*		
33 42 11 00-0936	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.46	11.78
33 42 11 00-0937	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	129.73	12.85
33 42 11 00-0938	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	151.62	13.92
33 42 11 00-0939	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.21	15.00
33 42 11 00-0940	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	221.85	19.28
33 42 11 00-0941	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	286.23	25.08
33 42 11 00-0942	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	335.97	29.64
33 42 11 00-0943		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0927)*		
33 42 11 00-0944	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.62	12.85
33 42 11 00-0945	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	203.60	13.92
33 42 11 00-0946	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	232.08	15.00
33 42 11 00-0947	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	295.32	19.28
33 42 11 00-0948	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	374.97	25.08
33 42 11 00-0949	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	439.31	29.64
33 42 11 00-0950	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	519.47	34.20
33 42 11 00-0951	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	575.66	38.76
33 42 11 00-0952		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0927)*		
33 42 11 00-0953	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	444.59	25.08
33 42 11 00-0954	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	520.53	29.64
33 42 11 00-0955	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	611.54	34.20
33 42 11 00-0956	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	679.75	38.76
33 42 11 00-0957	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	744.84	41.04
33 42 11 00-0958		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0959		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0958)*		
33 42 11 00-0960	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	581.71	38.76
33 42 11 00-0961	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	635.60	41.04
33 42 11 00-0962	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	797.25	50.16
33 42 11 00-0963	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	893.87	72.95
33 42 11 00-0964	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	960.71	79.80
33 42 11 00-0965	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,024.66	85.50
33 42 11 00-0966	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,088.31	91.20
33 42 11 00-0967	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,152.93	96.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0968		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0958)*		
33 42 11 00-0969	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	803.44	41.04
33 42 11 00-0970	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	984.08	50.16
33 42 11 00-0971	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,097.22	72.95
33 42 11 00-0972	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,180.26	79.80
33 42 11 00-0973	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,260.50	85.50
33 42 11 00-0974	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,340.63	91.20
33 42 11 00-0975	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,421.38	96.89
33 42 11 00-0976	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,505.82	102.59
33 42 11 00-0977	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,592.55	113.99
33 42 11 00-0978	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,685.66	125.39
33 42 11 00-0979		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0958)*		
33 42 11 00-0980	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,281.70	72.95
33 42 11 00-0981	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,379.99	79.80
33 42 11 00-0982	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,475.47	85.50
33 42 11 00-0983	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,570.42	91.20
33 42 11 00-0984	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,666.36	96.89
33 42 11 00-0985	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,765.88	102.59
33 42 11 00-0986	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,867.80	113.99
33 42 11 00-0987	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,974.77	125.39
33 42 11 00-0988	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	2,098.29	136.79
33 42 11 00-0989		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0990		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0989)*		
33 42 11 00-0991	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,080.63	72.95
33 42 11 00-0992	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,159.53	79.80
33 42 11 00-0993	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,234.59	85.50
33 42 11 00-0994	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,309.55	91.20
33 42 11 00-0995	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,385.83	96.89
33 42 11 00-0996	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,466.40	102.59
33 42 11 00-0997	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,549.14	113.99
33 42 11 00-0998	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,647.86	125.39
33 42 11 00-0999		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0989)*		
33 42 11 00-1000	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,277.38	72.95
33 42 11 00-1001	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,371.90	79.80
33 42 11 00-1002	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,462.93	85.50
33 42 11 00-1003	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,554.39	91.20
33 42 11 00-1004	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,644.10	96.89
33 42 11 00-1005	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,742.71	102.59
33 42 11 00-1006	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,841.81	113.99
33 42 11 00-1007	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,956.90	125.39
33 42 11 00-1008	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	2,064.64	136.79
33 42 11 00-1009		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0500)*		
33 42 11 00-1010		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1009)*		
33 42 11 00-1011		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*		
33 42 11 00-1012	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	52.30	11.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.69*	
33 42 11 00-1013	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.63	11.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.72*	
33 42 11 00-1014	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.25	12.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.85*	
33 42 11 00-1015	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.86	13.92
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.34*	
33 42 11 00-1016	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.86	15.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.03*	
33 42 11 00-1017	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	116.71	19.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.18*	
33 42 11 00-1018	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.55	25.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.33*	
33 42 11 00-1019	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.19	29.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.52*	
33 42 11 00-1020	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.50	34.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.13*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1021		**14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1010)*		
33 42 11 00-1022	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	58.61	11.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.10*	
33 42 11 00-1023	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	68.43	11.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.94*	
33 42 11 00-1024	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.54	12.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.84*	
33 42 11 00-1025	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.64	13.92
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.03*	
33 42 11 00-1026	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.37	15.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.68*	
33 42 11 00-1027	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.01	19.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.13*	
33 42 11 00-1028	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	169.07	25.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.50*	
33 42 11 00-1029	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.50	29.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.99*	
33 42 11 00-1030	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	218.79	34.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.30*	
33 42 11 00-1031	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.62	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.38*	
33 42 11 00-1032		**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1010)*		
33 42 11 00-1033	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	98.07	12.85
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.70*	
33 42 11 00-1034	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	113.45	13.92
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.58*	
33 42 11 00-1035	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	127.27	15.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.05*	
33 42 11 00-1036	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.34	19.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.83*	
33 42 11 00-1037	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.07	25.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.30*	
33 42 11 00-1038	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	239.70	29.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.06*	
33 42 11 00-1039	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.36	34.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.05*	
33 42 11 00-1040	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	322.51	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.19*	
33 42 11 00-1041	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	352.34	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.16*	
33 42 11 00-1042	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	430.88	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.52*	
33 42 11 00-1043		**10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1010)*		
33 42 11 00-1044	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.14	25.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.47*	
33 42 11 00-1045	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.72	29.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.76*	
33 42 11 00-1046	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	316.92	34.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.28*	
33 42 11 00-1047	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.73	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*57.53*	
33 42 11 00-1048	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	410.46	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.10*	
33 42 11 00-1049	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	494.71	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*76.13*	
33 42 11 00-1050	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	570.16	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*81.62*	
33 42 11 00-1051		**3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1009)*		
33 42 11 00-1052		**16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1051)*		
33 42 11 00-1053	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.12	25.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*43.72*	
33 42 11 00-1054	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	204.74	29.64
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.35*	
33 42 11 00-1055	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	229.99	34.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*57.58*	
33 42 11 00-1056	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.07	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.34*	
33 42 11 00-1057	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	300.78	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*76.63*	
33 42 11 00-1058	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	379.43	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1059	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	444.82	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.91*	
33 42 11 00-1060	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	477.91	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.41*	
33 42 11 00-1061	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	507.94	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.93*	
33 42 11 00-1062	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	537.98	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.46*	
33 42 11 00-1063	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	568.80	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.96*	
33 42 11 00-1064	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	602.91	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.52*	
33 42 11 00-1065		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		(33 42 11 00-1051)		
33 42 11 00-1066	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	307.74	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.95*	
33 42 11 00-1067	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	335.79	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.53*	
33 42 11 00-1068	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	417.96	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.77*	
33 42 11 00-1069	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	486.80	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.53*	
33 42 11 00-1070	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	523.28	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*95.29*	
33 42 11 00-1071	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	556.89	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.11*	
33 42 11 00-1072	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	590.26	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.86*	
33 42 11 00-1073	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.47	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.62*	
33 42 11 00-1074	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	661.98	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*118.42*	
33 42 11 00-1075	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	702.07	113.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.21*	
33 42 11 00-1076	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	741.33	125.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.90*	
33 42 11 00-1077		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		(33 42 11 00-1051)		
33 42 11 00-1078	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.61	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.25*	
33 42 11 00-1079	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.11	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.19*	
33 42 11 00-1080	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	580.46	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.12*	
33 42 11 00-1081	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.56	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.08*	
33 42 11 00-1082	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	665.67	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*133.07*	
33 42 11 00-1083	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	706.67	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*141.03*	
33 42 11 00-1084	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	748.44	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.97*	
33 42 11 00-1085	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	793.51	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.97*	
33 42 11 00-1086	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	841.10	113.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*164.93*	
33 42 11 00-1087	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	887.99	125.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*172.82*	
33 42 11 00-1088	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	933.80	136.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*180.82*	
33 42 11 00-1089		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		(33 42 11 00-1051)		
33 42 11 00-1090	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	667.81	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.75*	
33 42 11 00-1091	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	718.94	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.82*	
33 42 11 00-1092	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	767.25	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*163.97*	
33 42 11 00-1093	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	815.33	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*174.06*	
33 42 11 00-1094	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	864.37	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*184.18*	
33 42 11 00-1095	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	916.65	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*194.33*	
33 42 11 00-1096	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	971.32	113.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*204.42*	
33 42 11 00-1097	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,025.35	125.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*214.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1098	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,078.37	136.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*224.61*	
33 42 11 00-1099	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,133.36	148.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*234.68*	
33 42 11 00-1100	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,191.35	159.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*244.81*	
33 42 11 00-1101	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,252.84	170.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*254.96*	

33 42 11 00-1102 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1009)

33 42 11 00-1103 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

33 42 11 00-1104	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	231.00	34.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.34*	
33 42 11 00-1105	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	277.91	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.41*	
33 42 11 00-1106	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	302.39	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*95.06*	
33 42 11 00-1107	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	375.86	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.67*	
33 42 11 00-1108	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	440.83	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*127.47*	
33 42 11 00-1109	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	473.44	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.27*	
33 42 11 00-1110	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	502.82	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.02*	
33 42 11 00-1111	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	532.09	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*150.72*	
33 42 11 00-1112	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	562.55	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*158.57*	
33 42 11 00-1113	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.54	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.60*	

33 42 11 00-1114 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

33 42 11 00-1115	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	317.51	38.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.42*	
33 42 11 00-1116	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	346.51	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.99*	
33 42 11 00-1117	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	423.91	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.74*	
33 42 11 00-1118	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	492.81	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*118.23*	
33 42 11 00-1119	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	530.07	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.96*	
33 42 11 00-1120	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	563.85	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*133.57*	
33 42 11 00-1121	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	595.38	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*140.42*	
33 42 11 00-1122	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	632.15	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.76*	
33 42 11 00-1123	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	669.90	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.37*	
33 42 11 00-1124	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	710.05	113.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*163.90*	
33 42 11 00-1125	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	750.27	125.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*171.62*	

33 42 11 00-1126 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

33 42 11 00-1127	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.98	41.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.28*	
33 42 11 00-1128	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	514.83	50.16
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.15*	
33 42 11 00-1129	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.37	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*127.92*	
33 42 11 00-1130	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	637.24	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.61*	
33 42 11 00-1131	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	678.83	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.24*	
33 42 11 00-1132	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	720.84	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*154.00*	
33 42 11 00-1133	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	763.38	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*162.66*	
33 42 11 00-1134	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	809.05	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*171.33*	
33 42 11 00-1135	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	857.60	113.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*180.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1136	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	905.49	125.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*188.75*	
33 42 11 00-1137	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	951.96	136.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*197.44*	
33 42 11 00-1138		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*		
33 42 11 00-1139	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	687.70	72.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*155.19*	
33 42 11 00-1140	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	741.44	79.80
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.41*	
33 42 11 00-1141	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	791.31	85.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*177.41*	
33 42 11 00-1142	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	840.82	91.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*188.31*	
33 42 11 00-1143	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	891.46	96.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*199.29*	
33 42 11 00-1144	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	945.05	102.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*210.23*	
33 42 11 00-1145	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,001.45	113.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*221.21*	
33 42 11 00-1146	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,057.33	125.39
		For 1/2 Bituminous Coated And 25% Paved, Add	*232.18*	
33 42 11 00-1147	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,111.60	136.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*243.09*	
33 42 11 00-1148	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,180.40	148.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*257.52*	
33 42 11 00-1149	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,243.03	159.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*269.39*	
33 42 11 00-1150	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,310.72	170.99
		For 1/2 Bituminous Coated And 25% Paved, Add	*281.72*	
33 42 11 00-1151		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1009)*		
33 42 11 00-1152		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)*		
33 42 11 00-1153	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	79.91	12.85
33 42 11 00-1154	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.19	13.92
33 42 11 00-1155	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.45	15.00
33 42 11 00-1156	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	134.51	19.28
33 42 11 00-1157	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	171.45	25.08
33 42 11 00-1158	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	197.30	29.64
33 42 11 00-1159	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	222.54	34.20
33 42 11 00-1160	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	265.29	38.76
33 42 11 00-1161	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	289.94	41.04
33 42 11 00-1162		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)*		
33 42 11 00-1163	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	89.08	12.85
33 42 11 00-1164	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	102.91	13.92
33 42 11 00-1165	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	115.60	15.00
33 42 11 00-1166	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	149.69	19.28
33 42 11 00-1167	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	189.73	25.08
33 42 11 00-1168	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	218.68	29.64
33 42 11 00-1169	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	246.96	34.20
33 42 11 00-1170	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	292.74	38.76
33 42 11 00-1171	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	320.55	41.04
33 42 11 00-1172	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	390.39	50.16
33 42 11 00-1173	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	458.04	72.95
33 42 11 00-1174	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	493.63	79.80
33 42 11 00-1175		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)*		
33 42 11 00-1176	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	180.48	19.28
33 42 11 00-1177	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	226.59	25.08
33 42 11 00-1178	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	261.85	29.64
33 42 11 00-1179	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	296.20	34.20
33 42 11 00-1180	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	348.11	38.76
33 42 11 00-1181	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	382.17	41.04
33 42 11 00-1182	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	458.03	50.16
33 42 11 00-1183	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	531.75	72.95
33 42 11 00-1184	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	573.47	79.80
33 42 11 00-1185	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	611.91	85.50
33 42 11 00-1186	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	650.40	91.20
33 42 11 00-1187	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	689.55	96.89
33 42 11 00-1188	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	728.97	102.59
33 42 11 00-1189		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0500)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1190		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*		
33 42 11 00-1191		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*		
33 42 11 00-1192	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	62.77	11.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.02*	
33 42 11 00-1193	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	71.16	12.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.72*	
33 42 11 00-1194	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	82.48	13.92
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.33*	
33 42 11 00-1195	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	93.27	15.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.50*	
33 42 11 00-1196	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	120.70	19.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*40.01*	
33 42 11 00-1197	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	157.88	25.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*51.61*	
33 42 11 00-1198		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*		
33 42 11 00-1199	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	70.57	11.78
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.71*	
33 42 11 00-1200	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	80.62	12.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.61*	
33 42 11 00-1201	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	93.14	13.92
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.09*	
33 42 11 00-1202	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	105.60	15.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.39*	
33 42 11 00-1203	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	136.06	19.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.02*	
33 42 11 00-1204	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	176.16	25.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*52.26*	
33 42 11 00-1205	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	204.51	29.64
		For 1/2 Bituminous Coated And 40% Paved, Add	*62.25*	
33 42 11 00-1206		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*		
33 42 11 00-1207	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	99.92	12.85
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.63*	
33 42 11 00-1208	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	116.01	13.92
		For 1/2 Bituminous Coated And 40% Paved, Add	*25.71*	
33 42 11 00-1209	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	131.50	15.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*29.51*	
33 42 11 00-1210	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	168.39	19.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*37.24*	
33 42 11 00-1211	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	215.22	25.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*46.82*	
33 42 11 00-1212	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	250.06	29.64
		For 1/2 Bituminous Coated And 40% Paved, Add	*55.50*	
33 42 11 00-1213	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	294.12	34.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*66.08*	
33 42 11 00-1214	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	327.16	38.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*72.84*	
33 42 11 00-1215		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*		
33 42 11 00-1216	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	250.29	25.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*49.27*	
33 42 11 00-1217	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	290.96	29.64
		For 1/2 Bituminous Coated And 40% Paved, Add	*58.23*	
33 42 11 00-1218	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	340.50	34.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*68.76*	
33 42 11 00-1219	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	379.61	38.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*76.13*	
33 42 11 00-1220	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	415.76	41.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*83.48*	
33 42 11 00-1221		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*		
33 42 11 00-1222		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1223	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	314.00	38.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*109.41*	
33 42 11 00-1224	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	343.23	41.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*119.72*	
33 42 11 00-1225	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	426.53	50.16
		For 1/2 Bituminous Coated And 40% Paved, Add	*150.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1226	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	497.04	72.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*161.20*	
33 42 11 00-1227	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	536.44	79.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.60*	
33 42 11 00-1228	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	572.79	85.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*184.02*	
33 42 11 00-1229	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	609.02	91.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*195.40*	
33 42 11 00-1230	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	646.14	96.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*206.79*	
33 42 11 00-1231		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1232	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	421.12	41.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*136.05*	
33 42 11 00-1233	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	512.87	50.16
		For 1/2 Bituminous Coated And 40% Paved, Add	*166.28*	
33 42 11 00-1234	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	591.06	72.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*178.84*	
33 42 11 00-1235	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	637.96	79.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*191.83*	
33 42 11 00-1236	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	681.99	85.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*204.91*	
33 42 11 00-1237	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	725.90	91.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*217.95*	
33 42 11 00-1238	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	770.53	96.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*230.94*	
33 42 11 00-1239	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	818.58	102.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*244.04*	
33 42 11 00-1240	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	869.09	113.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*257.08*	
33 42 11 00-1241	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	922.40	125.39
		For 1/2 Bituminous Coated And 40% Paved, Add	*271.43*	
33 42 11 00-1242		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1243	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	678.35	72.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*193.58*	
33 42 11 00-1244	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	732.51	79.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*207.97*	
33 42 11 00-1245	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	783.69	85.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*222.41*	
33 42 11 00-1246	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	834.62	91.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*236.76*	
33 42 11 00-1247	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	891.28	96.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*252.88*	
33 42 11 00-1248	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	941.65	102.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*265.59*	
33 42 11 00-1249	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	999.37	113.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*280.01*	
33 42 11 00-1250	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,059.18	125.39
		For 1/2 Bituminous Coated And 40% Paved, Add	*295.36*	
33 42 11 00-1251	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,126.12	136.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*313.81*	
33 42 11 00-1252		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*		
33 42 11 00-1253		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1252)*		
33 42 11 00-1254	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	599.87	72.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*176.00*	
33 42 11 00-1255	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	646.00	79.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*188.24*	
33 42 11 00-1256	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	688.72	85.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*200.36*	
33 42 11 00-1257	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	731.38	91.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*212.46*	
33 42 11 00-1258	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	775.06	96.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*224.63*	
33 42 11 00-1259	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	822.45	102.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*237.02*	
33 42 11 00-1260	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	872.30	113.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*249.35*	
33 42 11 00-1261	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	929.73	125.39
		For 1/2 Bituminous Coated And 40% Paved, Add	*264.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1262		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1252)*		
33 42 11 00-1263	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	696.57	72.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*195.23*	
33 42 11 00-1264	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	750.44	79.80
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.16*	
33 42 11 00-1265	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	800.95	85.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*223.01*	
33 42 11 00-1266	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	851.71	91.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*236.94*	
33 42 11 00-1267	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	902.00	96.89
		For 1/2 Bituminous Coated And 40% Paved, Add	*250.41*	
33 42 11 00-1268	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	958.27	102.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*264.89*	
33 42 11 00-1269	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,016.16	113.99
		For 1/2 Bituminous Coated And 40% Paved, Add	*279.01*	
33 42 11 00-1270	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,081.50	125.39
		For 1/2 Bituminous Coated And 40% Paved, Add	*295.94*	
33 42 11 00-1271	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,142.80	136.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*311.94*	
33 42 11 00-1272		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0500)*		
33 42 11 00-1273		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)*		
33 42 11 00-1274		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1273)*		
33 42 11 00-1275	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	31.69	6.43
		For Bituminous Coated Pipe, Add	*3.62*	
33 42 11 00-1276	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	41.17	8.03
		For Bituminous Coated Pipe, Add	*4.91*	
33 42 11 00-1277	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	53.48	9.64
		For Bituminous Coated Pipe, Add	*6.47*	
33 42 11 00-1278		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1273)*		
33 42 11 00-1279	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	35.84	6.43
		For Bituminous Coated Pipe, Add	*3.59*	
33 42 11 00-1280	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	47.04	8.03
		For Bituminous Coated Pipe, Add	*4.91*	
33 42 11 00-1281	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	61.30	9.64
		For Bituminous Coated Pipe, Add	*6.48*	
33 42 11 00-1282		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)*		
33 42 11 00-1283		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1284	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	61.84	11.24
		For Bituminous Coated Pipe, Add	*7.12*	
33 42 11 00-1285	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	72.47	11.78
		For Bituminous Coated Pipe, Add	*8.93*	
33 42 11 00-1286	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	83.75	12.85
		For Bituminous Coated Pipe, Add	*10.86*	
33 42 11 00-1287	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	97.09	13.92
		For Bituminous Coated Pipe, Add	*12.96*	
33 42 11 00-1288	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	108.80	15.00
		For Bituminous Coated Pipe, Add	*14.69*	
33 42 11 00-1289		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1290	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	70.73	11.24
		For Bituminous Coated Pipe, Add	*6.96*	
33 42 11 00-1291	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	83.81	11.78
		For Bituminous Coated Pipe, Add	*8.76*	
33 42 11 00-1292	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	97.33	12.85
		For Bituminous Coated Pipe, Add	*10.62*	
33 42 11 00-1293	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	112.85	13.92
		For Bituminous Coated Pipe, Add	*12.61*	
33 42 11 00-1294	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	126.88	15.00
		For Bituminous Coated Pipe, Add	*14.33*	
33 42 11 00-1295	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	164.51	19.28
		For Bituminous Coated Pipe, Add	*18.37*	
33 42 11 00-1296	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	208.58	25.08
		For Bituminous Coated Pipe, Add	*22.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1297		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1298	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	161.45	15.00
		For Bituminous Coated Pipe, Add	*13.60*	
33 42 11 00-1299	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	207.54	19.28
		For Bituminous Coated Pipe, Add	*17.30*	
33 42 11 00-1300	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	260.27	25.08
		For Bituminous Coated Pipe, Add	*21.33*	
33 42 11 00-1301	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	301.56	29.64
		For Bituminous Coated Pipe, Add	*25.08*	
33 42 11 00-1302	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	341.13	34.20
		For Bituminous Coated Pipe, Add	*28.39*	
33 42 11 00-1303	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	402.13	38.76
		For Bituminous Coated Pipe, Add	*33.68*	
33 42 11 00-1304		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1305	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	315.36	25.08
		For Bituminous Coated Pipe, Add	*20.97*	
33 42 11 00-1306	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	365.74	29.64
		For Bituminous Coated Pipe, Add	*24.62*	
33 42 11 00-1307	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	414.68	34.20
		For Bituminous Coated Pipe, Add	*27.94*	
33 42 11 00-1308	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	484.88	38.76
		For Bituminous Coated Pipe, Add	*32.78*	
33 42 11 00-1309	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	533.38	41.04
		For Bituminous Coated Pipe, Add	*36.12*	
33 42 11 00-1310		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)*		
33 42 11 00-1311		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1312	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	161.70	19.28
33 42 11 00-1313	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	205.07	25.08
33 42 11 00-1314	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	236.02	29.64
33 42 11 00-1315	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	267.39	34.20
33 42 11 00-1316	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	316.71	38.76
33 42 11 00-1317		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1318	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	184.36	19.28
33 42 11 00-1319	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	237.41	25.08
33 42 11 00-1320	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	273.56	29.64
33 42 11 00-1321	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	308.36	34.20
33 42 11 00-1322	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	364.70	38.76
33 42 11 00-1323	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	398.87	41.04
33 42 11 00-1324	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	485.76	50.16
33 42 11 00-1325	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	560.37	72.95
33 42 11 00-1326	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	602.69	79.80
33 42 11 00-1327		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1328	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	237.28	19.28
33 42 11 00-1329	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	296.92	25.08
33 42 11 00-1330	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	344.68	29.64
33 42 11 00-1331	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	389.92	34.20
33 42 11 00-1332	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	456.26	38.76
33 42 11 00-1333	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	500.26	41.04
33 42 11 00-1334	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	596.96	50.16
33 42 11 00-1335	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	681.64	72.95
33 42 11 00-1336	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	733.87	79.80
33 42 11 00-1337	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	783.16	85.50
33 42 11 00-1338	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	832.29	91.20
33 42 11 00-1339	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	882.25	96.89
33 42 11 00-1340		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1341	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	606.90	41.04
33 42 11 00-1342	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	709.76	50.16
33 42 11 00-1343	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	804.57	72.95
33 42 11 00-1344	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	866.93	79.80
33 42 11 00-1345	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	926.19	85.50
33 42 11 00-1346	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	985.42	91.20
33 42 11 00-1347	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,045.43	96.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1348	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,108.81	102.59
33 42 11 00-1349	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,174.66	113.99
33 42 11 00-1350		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1272)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1351		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1352	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	114.27	12.85
33 42 11 00-1353	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.85	13.92
33 42 11 00-1354	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.36	15.00
33 42 11 00-1355	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.50	17.14
33 42 11 00-1356	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.74	19.28
33 42 11 00-1357	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.25	21.42
33 42 11 00-1358		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1359	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.44	12.85
33 42 11 00-1360	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.01	13.92
33 42 11 00-1361	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.14	15.00
33 42 11 00-1362	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.43	17.14
33 42 11 00-1363	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	224.84	19.28
33 42 11 00-1364	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	251.61	21.42
33 42 11 00-1365	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	281.43	25.08
33 42 11 00-1366	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	326.21	29.64
33 42 11 00-1367	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	369.20	34.20
33 42 11 00-1368		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1369	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	287.60	19.28
33 42 11 00-1370	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	320.51	21.42
33 42 11 00-1371	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	356.69	25.08
33 42 11 00-1372	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.10	29.64
33 42 11 00-1373	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	469.65	34.20
33 42 11 00-1374	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	655.77	38.76
33 42 11 00-1375	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	722.05	41.04
33 42 11 00-1376		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1377	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	674.30	34.20
33 42 11 00-1378	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	781.95	38.76
33 42 11 00-1379	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	862.39	41.04
33 42 11 00-1380	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,000.70	50.16
33 42 11 00-1381	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,119.68	72.95
33 42 11 00-1382	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,207.37	79.80
33 42 11 00-1383	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,291.17	85.50
33 42 11 00-1384		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0500)*		
33 42 11 00-1385		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1384)*		
33 42 11 00-1386		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)*		
33 42 11 00-1387	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.52	11.78
		For Bituminous Coated Pipe, Add	*8.95*	
33 42 11 00-1388	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	87.58	12.85
		For Bituminous Coated Pipe, Add	*10.69*	
33 42 11 00-1389	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	101.46	13.92
		For Bituminous Coated Pipe, Add	*12.72*	
33 42 11 00-1390		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)*		
33 42 11 00-1391	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	87.88	11.78
		For Bituminous Coated Pipe, Add	*8.92*	
33 42 11 00-1392	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	98.49	12.85
		For Bituminous Coated Pipe, Add	*10.28*	
33 42 11 00-1393	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	117.21	13.92
		For Bituminous Coated Pipe, Add	*12.62*	
33 42 11 00-1394	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	132.81	15.00
		For Bituminous Coated Pipe, Add	*14.48*	
33 42 11 00-1395	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	170.40	19.28
		For Bituminous Coated Pipe, Add	*18.32*	
33 42 11 00-1396		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1397	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	167.40	15.00
		For Bituminous Coated Pipe, Add	*13.80*	
33 42 11 00-1398	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	213.54	19.28
		For Bituminous Coated Pipe, Add	*17.40*	
33 42 11 00-1399	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	270.42	25.08
		For Bituminous Coated Pipe, Add	*21.72*	
33 42 11 00-1400	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	314.93	29.64
		For Bituminous Coated Pipe, Add	*25.69*	
33 42 11 00-1401		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)*		
33 42 11 00-1402	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	325.43	25.08
		For Bituminous Coated Pipe, Add	*20.96*	
33 42 11 00-1403	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	379.21	29.64
		For Bituminous Coated Pipe, Add	*24.73*	
33 42 11 00-1404	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	441.74	34.20
		For Bituminous Coated Pipe, Add	*28.97*	
33 42 11 00-1405	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	493.77	38.76
		For Bituminous Coated Pipe, Add	*32.24*	
33 42 11 00-1406		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1384)*		
33 42 11 00-1407		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1406)*		
33 42 11 00-1408	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	373.60	38.76
33 42 11 00-1409	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	409.21	41.04
33 42 11 00-1410	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	498.54	50.16
33 42 11 00-1411		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1406)*		
33 42 11 00-1412	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	465.16	38.76
33 42 11 00-1413	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	510.60	41.04
33 42 11 00-1414	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	609.29	50.16
33 42 11 00-1415	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	694.90	72.95
33 42 11 00-1416	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	748.07	79.80
33 42 11 00-1417	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	798.30	85.50
33 42 11 00-1418		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1406)*		
33 42 11 00-1419	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	617.08	41.04
33 42 11 00-1420	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	721.63	50.16
33 42 11 00-1421	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	817.35	72.95
33 42 11 00-1422	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	880.65	79.80
33 42 11 00-1423	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	940.85	85.50
33 42 11 00-1424	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	1,000.98	91.20
33 42 11 00-1425		Corrugated Steel Pipe Fittings *(33 42 11 00-0500)*		
		Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1426		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 42 11 00-1425)*		
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1427	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	89.85	
33 42 11 00-1428	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	112.67	
33 42 11 00-1429	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	135.50	
33 42 11 00-1430	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	159.77	
33 42 11 00-1431	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	193.98	
33 42 11 00-1432	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	228.20	
33 42 11 00-1433	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	262.44	
33 42 11 00-1434	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	296.65	
33 42 11 00-1435	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	386.53	
33 42 11 00-1436	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	460.68	
33 42 11 00-1437	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	534.86	
33 42 11 00-1438	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	691.75	
33 42 11 00-1439	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	780.19	
33 42 11 00-1440	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	871.48	
33 42 11 00-1441	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	965.61	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1442	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,176.70	
33 42 11 00-1443	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,283.66	
33 42 11 00-1444	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,393.49	
33 42 11 00-1445	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,710.13	
33 42 11 00-1446	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,835.65	
33 42 11 00-1447	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,962.59	
33 42 11 00-1448	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,089.52	
33 42 11 00-1449	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,215.04	
33 42 11 00-1450	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,341.99	
33 42 11 00-1451	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,475.82	
33 42 11 00-1452	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,617.31	
33 42 11 00-1453	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,766.85	
33 42 11 00-1454		Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1425)*		
		Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1455	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	116.96	
33 42 11 00-1456	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	149.77	
33 42 11 00-1457	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	182.54	
33 42 11 00-1458	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	215.38	
33 42 11 00-1459	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	262.44	
33 42 11 00-1460	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	310.92	
33 42 11 00-1461	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	359.44	
33 42 11 00-1462	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	407.90	
33 42 11 00-1463	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	534.86	
33 42 11 00-1464	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	637.56	
33 42 11 00-1465	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	741.67	
33 42 11 00-1466	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	962.74	
33 42 11 00-1467	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,083.98	
33 42 11 00-1468	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,209.48	
33 42 11 00-1469	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,337.85	
33 42 11 00-1470	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,631.66	
33 42 11 00-1471	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,777.17	
33 42 11 00-1472	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,925.50	
33 42 11 00-1473	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,369.05	
33 42 11 00-1474	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,538.79	
33 42 11 00-1475	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,708.52	
33 42 11 00-1476	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,879.66	
33 42 11 00-1477	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,050.83	
33 42 11 00-1478	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,220.53	
33 42 11 00-1479	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,399.71	
33 42 11 00-1480	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,588.84	
33 42 11 00-1481	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,788.46	
33 42 11 00-1482		Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1425)*		
		Note: Applied to pipe tasks.		
33 42 11 00-1483	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	45.11	
33 42 11 00-1484	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	56.75	
33 42 11 00-1485	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	71.38	
33 42 11 00-1486	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	87.41	
33 42 11 00-1487	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	110.61	
33 42 11 00-1488	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	135.44	
33 42 11 00-1489	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	158.65	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1490	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	184.32	
33 42 11 00-1491	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	226.39	
33 42 11 00-1492	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	269.92	
33 42 11 00-1493	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	322.07	
33 42 11 00-1494	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	396.18	
33 42 11 00-1495	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	448.43	
33 42 11 00-1496	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	505.01	
33 42 11 00-1497	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	612.42	
33 42 11 00-1498	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	679.15	
33 42 11 00-1499	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	828.64	
33 42 11 00-1500	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	902.67	
33 42 11 00-1501	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	981.07	
33 42 11 00-1502	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,057.92	
33 42 11 00-1503	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,136.29	
33 42 11 00-1504	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,216.10	
33 42 11 00-1505	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,294.49	
33 42 11 00-1506	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,372.84	
33 42 11 00-1507	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,455.93	
33 42 11 00-1508	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,544.04	
33 42 11 00-1509	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,637.49	

33 42 11 00-1510 Saddles, Corrugated Steel Pipe Fitting *(33 42 11 00-1425)*

Note: For Field Tap

33 42 11 00-1511	EA	6" Saddle, Corrugated Steel Pipe Fitting	340.00	
33 42 11 00-1512	EA	8" Saddle, Corrugated Steel Pipe Fitting	383.47	
33 42 11 00-1513	EA	10" Saddle, Corrugated Steel Pipe Fitting	440.77	
33 42 11 00-1514	EA	12" Saddle, Corrugated Steel Pipe Fitting	539.57	
33 42 11 00-1515	EA	15" Saddle, Corrugated Steel Pipe Fitting	666.73	
33 42 11 00-1516	EA	18" Saddle, Corrugated Steel Pipe Fitting	796.57	
33 42 11 00-1517	EA	21" Saddle, Corrugated Steel Pipe Fitting	1,005.26	
33 42 11 00-1518	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,195.44	
33 42 11 00-1519	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,502.19	
33 42 11 00-1520	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,939.19	
33 42 11 00-1521	EA	42" Saddle, Corrugated Steel Pipe Fitting	2,290.66	
33 42 11 00-1522	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,694.83	
33 42 11 00-1523	EA	54" Saddle, Corrugated Steel Pipe Fitting	3,207.13	
33 42 11 00-1524	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,802.57	
33 42 11 00-1525	EA	66" Saddle, Corrugated Steel Pipe Fitting	4,330.82	
33 42 11 00-1526	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,827.95	
33 42 11 00-1527	EA	78" Saddle, Corrugated Steel Pipe Fitting	5,663.36	
33 42 11 00-1528	EA	84" Saddle, Corrugated Steel Pipe Fitting	6,256.69	
33 42 11 00-1529	EA	90" Saddle, Corrugated Steel Pipe Fitting	7,410.11	
33 42 11 00-1530	EA	96" Saddle, Corrugated Steel Pipe Fitting	8,192.25	
33 42 11 00-1531	EA	102" Saddle, Corrugated Steel Pipe Fitting	9,297.04	
33 42 11 00-1532	EA	108" Saddle, Corrugated Steel Pipe Fitting	10,552.51	
33 42 11 00-1533	EA	114" Saddle, Corrugated Steel Pipe Fitting	11,976.22	
33 42 11 00-1534	EA	120" Saddle, Corrugated Steel Pipe Fitting	13,590.37	

33 42 11 00-1535 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

33 42 11 00-1536	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	20.72	
		For Bituminous Coated, Add	*6.01*	
33 42 11 00-1537	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	27.51	
		For Bituminous Coated, Add	*7.98*	
33 42 11 00-1538	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	34.65	
		For Bituminous Coated, Add	*10.05*	
33 42 11 00-1539	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	57.52	
		For Bituminous Coated, Add	*16.68*	
33 42 11 00-1540	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	72.52	
		For Bituminous Coated, Add	*21.03*	
33 42 11 00-1541	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	106.40	
		For Bituminous Coated, Add	*30.86*	
33 42 11 00-1542	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	126.29	
		For Bituminous Coated, Add	*36.62*	
33 42 11 00-1543	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	143.20	
		For Bituminous Coated, Add	*41.53*	
33 42 11 00-1544	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	247.82	
		For Bituminous Coated, Add	*71.87*	
33 42 11 00-1545	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	396.50	
		For Bituminous Coated, Add	*95.16*	
33 42 11 00-1546	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	465.86	
		For Bituminous Coated, Add	*111.81*	
33 42 11 00-1547	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	522.01	
		For Bituminous Coated, Add	*125.28*	
33 42 11 00-1548	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	740.30	
		For Bituminous Coated, Add	*177.67*	
33 42 11 00-1549	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	1,058.85	
		For Bituminous Coated, Add	*190.59*	
33 42 11 00-1550	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,301.31	
		For Bituminous Coated, Add	*234.24*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1551	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,671.61	
		For Bituminous Coated, Add	*234.03*	
33 42 11 00-1552	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,787.90	
		For Bituminous Coated, Add	*250.31*	
33 42 11 00-1553	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,904.84	
		For Bituminous Coated, Add	*266.68*	
33 42 11 00-1554	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	2,021.19	
		For Bituminous Coated, Add	*282.97*	
33 42 11 00-1555	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	2,137.83	
		For Bituminous Coated, Add	*299.30*	
33 42 11 00-1556	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	2,254.77	
		For Bituminous Coated, Add	*315.67*	
33 42 11 00-1557	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,371.18	
		For Bituminous Coated, Add	*331.97*	
33 42 11 00-1558	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,808.41	
		For Bituminous Coated, Add	*337.01*	
33 42 11 00-1559	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,603.82	
		For Bituminous Coated, Add	*312.46*	
33 42 11 00-1560	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,719.86	
		For Bituminous Coated, Add	*326.38*	
33 42 11 00-1561	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,836.75	
		For Bituminous Coated, Add	*340.41*	
33 42 11 00-1562	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,953.75	
		For Bituminous Coated, Add	*354.45*	

33 42 11 00-1563 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

33 42 11 00-1564	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	766.66	171.34
33 42 11 00-1565	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	881.59	214.18
33 42 11 00-1566	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,020.88	278.43
33 42 11 00-1567	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,481.08	385.52
33 42 11 00-1568	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,947.77	449.78
33 42 11 00-1569	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,647.87	524.37
33 42 11 00-1570	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,159.97	615.57
33 42 11 00-1571	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,695.74	615.57
33 42 11 00-1572	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,454.99	843.56
33 42 11 00-1573	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,062.33	843.56
33 42 11 00-1574	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,902.90	1,071.55
33 42 11 00-1575	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	6,257.18	1,139.94
33 42 11 00-1576	EA	78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	7,589.84	1,419.23
33 42 11 00-1577	EA	84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	8,841.23	1,527.53

33 42 11 00-1578 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

33 42 11 00-1579	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	523.12	128.51
33 42 11 00-1580	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	638.37	160.63
33 42 11 00-1581	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	745.44	214.18
33 42 11 00-1582	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,029.83	299.85
33 42 11 00-1583	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,319.12	342.69
33 42 11 00-1584	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,805.00	387.58
33 42 11 00-1585	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,151.73	455.98
33 42 11 00-1586	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,468.14	455.98
33 42 11 00-1587	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,025.02	638.37
33 42 11 00-1588	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,467.84	638.37
33 42 11 00-1589	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	4,136.29	797.96
33 42 11 00-1590	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	4,439.96	849.25
33 42 11 00-1591	EA	78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	5,186.72	1,063.91
33 42 11 00-1592	EA	84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	5,782.60	1,139.94

33 42 11 00-1593 Galvanized Culvert-End Bar Grate System *(33 42 11 00-0500)*

33 42 11 00-1594	SF	Galvanized Culvert-End Bar Grate System	626.35	2.86
33 42 11 00-1595	SF	Heavy Duty Galvanized Culvert-End Bar Grate System	36.92	2.86

33 42 11 00-1596 Galvanized Tapered Adapter Sleeves *(33 42 11 00-0500)*

33 42 11 00-1597	EA	12" Galvanized Tapered Adapter Sleeves	485.66	74.97
33 42 11 00-1598	EA	15" Galvanized Tapered Adapter Sleeves	599.67	80.32
33 42 11 00-1599	EA	18" Galvanized Tapered Adapter Sleeves	674.94	85.67
33 42 11 00-1600	EA	21" Galvanized Tapered Adapter Sleeves	762.62	93.71
33 42 11 00-1601	EA	24" Galvanized Tapered Adapter Sleeves	849.11	101.73
33 42 11 00-1602	EA	30" Galvanized Tapered Adapter Sleeves	1,030.84	115.12
33 42 11 00-1603	EA	36" Galvanized Tapered Adapter Sleeves	1,243.75	131.18

33 42 11 00-1604 Concrete Pipe Collar *(33 42 11)*

33 42 11 00-1605	EA	8" Diameter Pipe, Concrete Pipe Collar	620.55
33 42 11 00-1606	EA	10" Diameter Pipe, Concrete Pipe Collar	693.52
33 42 11 00-1607	EA	12" Diameter Pipe, Concrete Pipe Collar	772.01
33 42 11 00-1608	EA	15" Diameter Pipe, Concrete Pipe Collar	864.41
33 42 11 00-1609	EA	18" Diameter Pipe, Concrete Pipe Collar	963.53

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1610	EA	21" Diameter Pipe, Concrete Pipe Collar	1,069.69	
33 42 11 00-1611	EA	24" Diameter Pipe, Concrete Pipe Collar	1,182.73	
33 42 11 00-1612	EA	27" Diameter Pipe, Concrete Pipe Collar	1,300.34	
33 42 11 00-1613	EA	30" Diameter Pipe, Concrete Pipe Collar	1,417.94	
33 42 11 00-1614	EA	36" Diameter Pipe, Concrete Pipe Collar	1,653.30	
33 42 11 00-1615	EA	42" Diameter Pipe, Concrete Pipe Collar	1,889.52	
33 42 11 00-1616	EA	48" Diameter Pipe, Concrete Pipe Collar	2,126.46	
33 42 11 00-1617	EA	54" Diameter Pipe, Concrete Pipe Collar	2,361.82	
33 42 11 00-1618	EA	60" Diameter Pipe, Concrete Pipe Collar	2,598.03	
33 42 11 00-1619	EA	66" Diameter Pipe, Concrete Pipe Collar	2,861.33	
33 42 11 00-1620	EA	72" Diameter Pipe, Concrete Pipe Collar	3,124.60	
33 42 11 00-1621	EA	78" Diameter Pipe, Concrete Pipe Collar	3,387.89	
33 42 11 00-1622	EA	84" Diameter Pipe, Concrete Pipe Collar	3,651.18	
33 42 11 00-1623	EA	90" Diameter Pipe, Concrete Pipe Collar	3,914.45	
33 42 11 00-1624	EA	96" Diameter Pipe, Concrete Pipe Collar	4,177.75	
33 42 11 00-1625	EA	102" Diameter Pipe, Concrete Pipe Collar	4,441.03	
33 42 11 00-1626	EA	108" Diameter Pipe, Concrete Pipe Collar	4,704.31	
33 42 11 00-1627	EA	114" Diameter Pipe, Concrete Pipe Collar	4,967.59	
33 42 11 00-1628	EA	120" Diameter Pipe, Concrete Pipe Collar	5,230.89	

33 42 11 00-1629 Concrete Drainage Pipe Lug *(33 42 11)*

33 42 11 00-1630	EA	12" Diameter Pipe, Concrete Pipe Lug	376.69	
33 42 11 00-1631	EA	15" Diameter Pipe, Concrete Pipe Lug	439.35	
33 42 11 00-1632	EA	18" Diameter Pipe, Concrete Pipe Lug	501.72	
33 42 11 00-1633	EA	21" Diameter Pipe, Concrete Pipe Lug	564.38	
33 42 11 00-1634	EA	24" Diameter Pipe, Concrete Pipe Lug	626.74	
33 42 11 00-1635	EA	27" Diameter Pipe, Concrete Pipe Lug	689.32	
33 42 11 00-1636	EA	30" Diameter Pipe, Concrete Pipe Lug	751.90	
33 42 11 00-1637	EA	36" Diameter Pipe, Concrete Pipe Lug	876.92	
33 42 11 00-1638	EA	42" Diameter Pipe, Concrete Pipe Lug	1,000.94	
33 42 11 00-1639	EA	48" Diameter Pipe, Concrete Pipe Lug	1,125.97	
33 42 11 00-1640	EA	54" Diameter Pipe, Concrete Pipe Lug	1,250.98	
33 42 11 00-1641	EA	60" Diameter Pipe, Concrete Pipe Lug	1,376.01	
33 42 11 00-1642	EA	66" Diameter Pipe, Concrete Pipe Lug	1,501.02	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0967 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	441.21	57.00
		For Each LF Of Cut-Off Section, Add	*17.65*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	495.98	57.00
		For Each LF Of Cut-Off Section, Add	*19.84*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	584.45	57.00
		For Each LF Of Cut-Off Section, Add	*23.38*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	702.13	71.24
		For Each LF Of Cut-Off Section, Add	*28.09*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	718.98	71.24
		For Each LF Of Cut-Off Section, Add	*28.76*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	727.40	71.24
		For Each LF Of Cut-Off Section, Add	*29.10*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	750.11	74.09
		For Each LF Of Cut-Off Section, Add	*30.00*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	754.32	74.09
		For Each LF Of Cut-Off Section, Add	*30.17*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	830.15	74.09
		For Each LF Of Cut-Off Section, Add	*33.21*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	853.51	85.50
		For Each LF Of Cut-Off Section, Add	*34.14*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	916.58	116.28
		For Each LF Of Cut-Off Section, Add	*36.66*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	834.37	74.09
		For Each LF Of Cut-Off Section, Add	*33.37*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	857.73	85.50
		For Each LF Of Cut-Off Section, Add	*34.31*	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	870.36	85.50
		For Each LF Of Cut-Off Section, Add	*34.81*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,051.78	113.99
		For Each LF Of Cut-Off Section, Add	*42.07*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,055.16	113.99
		For Each LF Of Cut-Off Section, Add	*42.21*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,170.02	142.49
		For Each LF Of Cut-Off Section, Add	*46.80*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,160.48	113.99
		For Each LF Of Cut-Off Section, Add	*46.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,231.53	142.49
		For Each LF Of Cut-Off Section, Add	*49.26*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,235.74	142.49
		For Each LF Of Cut-Off Section, Add	*49.43*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,496.95	142.49
		For Each LF Of Cut-Off Section, Add	*59.88*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,572.20	170.99
		For Each LF Of Cut-Off Section, Add	*62.89*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,589.05	170.99
		For Each LF Of Cut-Off Section, Add	*63.56*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,593.27	170.99
		For Each LF Of Cut-Off Section, Add	*63.73*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,599.16	170.99
		For Each LF Of Cut-Off Section, Add	*63.97*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,664.31	199.49
		For Each LF Of Cut-Off Section, Add	*66.57*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,664.31	199.49
		For Each LF Of Cut-Off Section, Add	*66.57*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,664.31	199.49
		For Each LF Of Cut-Off Section, Add	*66.57*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,664.31	199.49
		For Each LF Of Cut-Off Section, Add	*66.57*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,413.65	227.99
		For Each LF Of Cut-Off Section, Add	*96.55*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,340.51	227.99
		For Each LF Of Cut-Off Section, Add	*133.62*	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0967 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,086.22	57.00
		For Each LF Of Cut-Off Section, Add	*43.45*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,167.15	57.00
		For Each LF Of Cut-Off Section, Add	*46.69*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,310.39	57.00
		For Each LF Of Cut-Off Section, Add	*52.42*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,482.79	71.24
		For Each LF Of Cut-Off Section, Add	*59.31*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,626.02	71.24
		For Each LF Of Cut-Off Section, Add	*65.04*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,769.25	71.24
		For Each LF Of Cut-Off Section, Add	*70.77*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,631.87	74.09
		For Each LF Of Cut-Off Section, Add	*65.27*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,775.10	74.09
		For Each LF Of Cut-Off Section, Add	*71.00*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,061.57	74.09
		For Each LF Of Cut-Off Section, Add	*82.46*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,941.70	85.50
		For Each LF Of Cut-Off Section, Add	*77.67*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,291.20	116.28
		For Each LF Of Cut-Off Section, Add	*91.65*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,775.10	74.09
		For Each LF Of Cut-Off Section, Add	*71.00*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,941.70	85.50
		For Each LF Of Cut-Off Section, Add	*77.67*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,084.93	85.50
		For Each LF Of Cut-Off Section, Add	*83.40*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,286.53	113.99
		For Each LF Of Cut-Off Section, Add	*91.46*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,429.76	113.99
		For Each LF Of Cut-Off Section, Add	*97.19*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,774.64	142.49
		For Each LF Of Cut-Off Section, Add	*110.99*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,453.21	113.99
		For Each LF Of Cut-Off Section, Add	*98.13*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,817.75	142.49
		For Each LF Of Cut-Off Section, Add	*112.71*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,786.58	142.49
		For Each LF Of Cut-Off Section, Add	*111.46*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,956.66	142.49
		For Each LF Of Cut-Off Section, Add	*118.27*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,185.13	170.99
		For Each LF Of Cut-Off Section, Add	*127.41*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,355.21	170.99
		For Each LF Of Cut-Off Section, Add	*134.21*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,525.31	170.99
		For Each LF Of Cut-Off Section, Add	*141.01*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,695.39	170.99
		For Each LF Of Cut-Off Section, Add	*147.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,695.92	199.49
		For Each LF Of Cut-Off Section, Add	*147.84*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,889.25	199.49
		For Each LF Of Cut-Off Section, Add	*155.57*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,275.97	199.49
		For Each LF Of Cut-Off Section, Add	*171.04*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,662.69	199.49
		For Each LF Of Cut-Off Section, Add	*186.51*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,580.46	227.99
		For Each LF Of Cut-Off Section, Add	*223.22*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,041.37	227.99
		For Each LF Of Cut-Off Section, Add	*281.65*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,639.74	688.26
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,061.86	734.14
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,701.38	961.62
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,253.16	1,376.52
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,925.01	1,835.36
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,042.18	2,419.20
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,629.22	3,336.98
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,454.83	3,932.87
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	13,770.55	4,787.94
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,500.91	5,795.85

33 42 23 00-0014 Straight, Double Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0015	EA	12" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	1,221.91	740.25
33 42 23 00-0016	EA	15" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	1,564.36	954.14
33 42 23 00-0017	EA	18" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	2,083.11	1,253.48
33 42 23 00-0018	EA	24" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	3,211.05	1,887.52
33 42 23 00-0019	EA	30" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	4,452.20	2,546.86
33 42 23 00-0020	EA	36" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	6,273.62	3,521.78

33 42 23 00-0021 Straight, Single Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0022	EA	12" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	913.91	592.14
33 42 23 00-0023	EA	15" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,181.90	691.32
33 42 23 00-0024	EA	18" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,519.81	914.76
33 42 23 00-0025	EA	24" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	2,375.07	1,392.56
33 42 23 00-0026	EA	30" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	3,271.33	1,872.36
33 42 23 00-0027	EA	36" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	4,602.31	2,581.87

33 42 23 00-0028 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0029	EA	12" Pipe, Precast Concrete Headwall	994.24	192.76
33 42 23 00-0030	EA	15" Pipe, Precast Concrete Headwall	1,026.36	203.47
33 42 23 00-0031	EA	18" Pipe, Precast Concrete Headwall	1,128.79	231.32
33 42 23 00-0032	EA	24" Pipe, Precast Concrete Headwall	1,248.51	246.30
33 42 23 00-0033	EA	30" Pipe, Precast Concrete Headwall	1,690.47	289.14
33 42 23 00-0034	EA	36" Pipe, Precast Concrete Headwall	1,895.33	299.85
33 42 23 00-0035	EA	42" Pipe, Precast Concrete Headwall	2,497.89	351.78
33 42 23 00-0036	EA	48" Pipe, Precast Concrete Headwall	2,761.83	387.58
33 42 23 00-0037	EA	54" Pipe, Precast Concrete Headwall	3,051.22	410.38
33 42 23 00-0038	EA	60" Pipe, Precast Concrete Headwall	3,468.19	410.38
33 42 23 00-0039	EA	72" Pipe, Precast Concrete Headwall	4,210.95	512.97
33 42 23 00-0040	EA	84" Pipe, Precast Concrete Headwall	5,997.23	615.57

33 42 23 00-0041 Precast Concrete Wingwalls *(33 42 23 00-0001)*

33 42 23 00-0042	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,133.35	2,031.39
33 42 23 00-0043	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,475.33	2,257.09
33 42 23 00-0044	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,045.31	2,633.27
33 42 23 00-0045	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,615.28	3,009.45
33 42 23 00-0046	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,615.28	3,009.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0047	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,843.27	3,159.92
33 42 23 00-0048	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	14,004.71	3,235.16
33 42 23 00-0049	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	14,346.69	3,460.87
33 42 23 00-0050		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0051	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,282.72	797.96
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	359.87	74.97
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	423.21	80.32
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	500.85	85.67
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	614.93	93.71
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	682.91	101.73
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,141.84	115.12
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,489.08	136.79
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,332.63	159.59
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,860.05	182.39
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,398.12	227.99
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,962.33	273.59
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	378.62	74.97
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	442.51	80.32
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	530.50	85.67
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	650.53	93.71
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	723.28	101.73
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,265.81	115.12
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,645.64	136.79
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,668.75	159.59
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,293.82	182.39
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,836.77	227.99
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,351.65	273.59
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,991.38	410.38
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,956.00	547.17
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,584.29	587.07
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	8,228.73	626.97
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	50.23	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	56.39	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	63.94	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	69.58	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	78.06	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	138.82	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	149.32	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	207.04	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	221.06	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	270.77	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	276.55	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	293.41	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	328.22	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	367.56	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	375.34	
33 42 26 16-0048		Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0049		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	423.21	80.32
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	500.85	85.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	614.92	93.71
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	682.91	101.73
33 42 26 16-0054		Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	407.02	80.32
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	470.90	85.67
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	529.19	93.71
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	601.04	101.73
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	908.43	115.12
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,351.44	136.79
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,148.10	159.59
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,737.09	182.39
33 42 26 16-0063		Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	415.24	80.32
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	488.76	85.67
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	557.11	93.71
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	634.14	101.73
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	964.70	115.12
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,428.19	136.79
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,270.88	159.59
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,878.39	182.39
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,456.17	227.99
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,565.13	273.59
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,347.90	410.38
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,951.24	547.17
33 42 26 16-0076		Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	56.39	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	63.94	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	69.58	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	78.06	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	138.82	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	149.32	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	207.04	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	230.35	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	270.77	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	280.25	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	323.54	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	361.38	
33 42 26 16-0089		Corrugated Aluminum Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0090		Corrugated Aluminum Pipe End Sections *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	577.88	74.97
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	671.44	80.32
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	804.63	85.67
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	1,008.75	93.71
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,336.05	101.73
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,037.18	115.12
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,787.31	136.79
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,500.58	136.79
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	4,478.52	159.59
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,434.02	182.39
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	7,102.91	227.99
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,604.66	273.59
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,786.11	410.38
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,553.76	547.17
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	13,720.54	587.07
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	14,470.77	626.97
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,957.64	683.97
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	22,108.86	740.96
33 42 26 16-0109		Toe Plate Extensions For Corrugated Aluminum Pipe End Section *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	90.49	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	96.24	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	104.98	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	118.75	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	125.66	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	162.02	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	190.74	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	202.65	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	222.43	

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33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	251.48	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	298.46	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	428.32	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	456.81	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	569.50	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	615.12	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	655.01	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	697.20	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	739.57	
33 42 26 16-0128		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0129		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	694.50	80.32
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	860.83	85.67
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	934.21	93.71
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,007.51	101.73
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,544.38	115.12
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,820.09	136.79
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,000.93	136.79
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,032.48	159.59
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,260.32	182.39
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,150.07	227.99
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,646.96	273.59
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,529.61	410.38
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,142.73	547.17
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,495.79	587.07
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,204.37	626.97
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	18,752.35	683.97
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	19,850.78	740.96
33 42 26 16-0147		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.24	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	104.98	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	110.41	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	121.08	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	135.82	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	175.68	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	194.67	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	222.43	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	251.48	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	298.46	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	386.08	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	492.18	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	657.92	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	749.72	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	783.39	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	809.85	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	843.05	
33 42 26 16-0165		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0166		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	915.91	80.32
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,196.49	85.67
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,475.74	93.71
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,775.33	101.73
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,871.13	115.12
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,454.63	136.79
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,943.38	159.59
33 42 26 16-0174		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	669.15	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,377.96	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,512.31	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,570.17	
33 42 26 16-0179		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	962.75	80.32
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,280.73	85.67
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,723.64	93.71
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,032.99	101.73
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,418.09	115.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,937.40	136.79
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	4,547.42	159.59
33 42 26 16-0187		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,329.23	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,407.41	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,547.11	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,618.36	
33 42 26 16-0192		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	108.65	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	122.98	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	133.96	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	150.01	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	234.50	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	251.74	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	342.01	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,097.84	85.67
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,390.74	93.71
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,654.97	101.73
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	3,192.57	115.12
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	802.10	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,491.68	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,570.17	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	2,327.90	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	109.53	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	124.96	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	136.29	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	160.17	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	68.77	20.77
33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	133.07	31.17
33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	182.90	38.95
33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	287.43	62.33
33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	343.90	70.13
33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	364.47	75.32
33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	438.59	83.12
33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	572.43	98.69
33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	1,241.21	111.68
33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	1,521.65	124.67
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	721.47	125.62
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	967.55	155.49
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,198.30	196.83
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,375.85	235.38
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,463.93	272.43
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,841.97	339.70
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,287.16	510.24
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,824.93	643.84
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,419.85	807.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,749.96	910.82
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,092.16	1,020.25
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,443.09	1,134.24
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,414.90	912.93
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,063.72	1,141.14
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,025.72	1,426.43
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,131.81	1,711.71
33 42 26 23-0019		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	905.02	132.80
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,090.18	165.52
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,324.17	209.53
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,513.90	250.56
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,846.15	290.01
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,234.77	463.16
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,336.61	637.68
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,152.81	804.80
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,786.58	1,009.76
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,100.69	1,138.81
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,586.79	1,275.48
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,082.25	1,416.72
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	5,926.30	1,632.28
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	6,906.23	1,821.86
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	7,830.19	2,049.51
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,026.09	2,276.92
33 42 26 23-0036		Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,576.56	209.53
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,798.34	250.56
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	2,198.83	290.01
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,619.62	463.16
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section	2,681.36	637.68
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section	3,160.16	721.59
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section	3,638.94	804.80
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section	4,354.25	1,009.76
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section	4,698.41	1,138.81
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section	5,254.75	1,275.48
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section	5,820.83	1,416.72
33 42 26 23-0048		Mitered Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0049	EA	12" Round Mitered Precast Concrete End Sections	526.58	132.80
33 42 26 23-0050	EA	15" Round Mitered Precast Concrete End Sections	574.45	165.52
33 42 26 23-0051	EA	18" Round Mitered Precast Concrete End Sections	693.01	209.53
33 42 26 23-0052	EA	24" Round Mitered Precast Concrete End Sections	1,003.03	290.01
33 42 26 23-0053	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	615.48	165.52
33 42 26 23-0054	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	765.95	209.53
33 42 26 23-0055	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	1,091.92	290.01
33 42 31		**Stormwater Area Drains and Inlets** *(33 42)*		
33 42 31 00-0001		Storm Drains *(33 42 31)*		
33 42 31 00-0002		Catch Basins And Inlet Basins *(33 42 31 00-0001)* Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003		Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0004		3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,723.35	338.53
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,051.57	396.64
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,379.79	454.66
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,708.02	512.78
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,036.24	570.80
33 42 31 00-0010		3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,141.52	336.48
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,667.83	448.64
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,434.62	611.79
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,161.70	713.75
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,769.13	815.71
33 42 31 00-0016		4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,297.54	367.07
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,179.46	509.83
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,917.52	662.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,524.88	764.73
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,746.62	978.86
33 42 31 00-0022		Cast In Place, Catch Basin *(33 42 31 00-0002)*		
		Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		3' x 3', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,212.25	409.28
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,344.25	435.19
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,579.41	467.40
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,882.36	517.36
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,125.53	550.71
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,269.21	577.53
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,512.57	610.87
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,653.00	637.78
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,898.10	671.02
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,040.04	697.95
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,283.31	731.29
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	535.44	91.36
33 42 31 00-0036		3'-6" x 3'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,539.63	473.12
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,707.29	506.36
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,950.87	539.70
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,304.66	597.72
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,569.91	635.44
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,735.47	666.74
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,003.75	704.47
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,169.31	735.77
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,436.18	773.50
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,601.43	804.81
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,868.40	842.53
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	608.58	105.33
33 42 31 00-0049		4' x 4', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,890.22	541.22
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,066.31	575.58
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,343.82	616.27
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,749.04	682.44
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,039.33	724.56
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,228.07	760.35
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,518.35	802.46
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,707.41	838.25
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,997.69	880.36
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,186.43	916.15
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,476.71	958.36
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	684.55	119.80
33 42 31 00-0062		4'-6" x 4'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,339.16	627.59
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,545.26	663.07
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,851.46	708.95
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,313.63	784.21
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,634.63	831.72
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,854.22	872.81
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,174.90	920.33
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,394.49	961.52
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,715.49	1,009.04
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,933.34	1,050.13
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,255.75	1,097.64
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	782.02	137.24
33 42 31 00-0075		5' x 5', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,304.73	796.04
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,819.45	879.65
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,165.88	931.75
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,409.17	977.43
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,752.46	1,029.43
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,997.48	1,075.11
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,342.19	1,127.22
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,584.06	1,172.90
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,930.49	1,224.90
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,331.43	153.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,780.31	887.70
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,541.05	1,004.86
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,923.50	1,062.77
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,202.81	1,114.67
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,586.66	1,173.00
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,867.70	1,224.90
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,250.15	1,283.22
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,529.45	1,335.12
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,911.90	1,393.44
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	988.99	174.15
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,280.89	983.65
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,119.43	1,112.23
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,527.91	1,175.24
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,833.57	1,231.83
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,240.33	1,294.85
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,547.41	1,351.43
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,954.48	1,414.45
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,259.82	1,471.04
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,668.32	1,534.05
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,083.59	191.79
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,803.37	1,084.19
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,966.51	1,256.09
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,414.68	1,325.84
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,761.33	1,389.16
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,209.49	1,458.80
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,556.14	1,522.23
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,004.31	1,591.87
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,350.96	1,655.19
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,800.54	1,724.93
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,225.01	215.66
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	6,349.65	1,189.11
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,623.30	1,376.72
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,098.13	1,451.36
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,470.12	1,519.47
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,946.56	1,594.00
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,318.55	1,662.22
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,793.37	1,736.76
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,167.07	1,804.98
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,641.80	1,879.50
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,330.27	234.93
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	7,198.03	1,334.61
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,306.85	1,502.24
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,806.92	1,581.67
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,207.28	1,654.67
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,708.96	1,734.11
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,109.33	1,807.11
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,609.39	1,886.54
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,009.75	1,959.55
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,511.53	2,038.98
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,438.91	254.91
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	7,818.18	1,452.08
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,015.52	1,632.65
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,542.66	1,716.87
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,969.67	1,794.78
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,496.70	1,879.00
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,920.27	1,956.90
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,450.74	2,041.12
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,877.76	2,119.02
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,395.73	2,203.24
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,550.61	275.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	676.68	230.61
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	951.83	345.91
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,215.07	449.68
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,450.41	531.55
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,795.18	674.52
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,056.76	778.30
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	144.08	51.88
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	768.39	256.55
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,075.10	380.50
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,366.79	501.58
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,625.66	585.17
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,025.63	749.48
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,317.82	864.78
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	162.48	62.26
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	996.69	302.67
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,376.58	447.38
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,743.41	590.94
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,171.08	737.95
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,569.61	879.77
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	2,956.83	1,023.90
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	204.70	73.13
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,191.79	336.69
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,561.10	461.22
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,125.50	691.83
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,652.68	864.78
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	3,142.59	1,037.73
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	3,620.64	1,210.69
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	250.10	86.47
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,608.17	461.22
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	2,230.11	691.83
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	2,855.46	922.43
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	3,501.98	1,153.04
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	4,141.46	1,383.65
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	4,825.76	1,614.26
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	332.87	115.30
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,360.87	691.83
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	3,247.20	1,037.73
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	4,188.02	1,383.65
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	5,221.95	1,729.56
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	6,229.74	2,075.48
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	7,220.38	2,421.39
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	496.69	172.96
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,583.01	749.48
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	607.66	92.24
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	364.24	98.01
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	463.66	144.13
		For Each Additional Inch In Height, Add	*53.23*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	548.34	172.96
		For Each Additional Inch In Height, Add	*62.54*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	639.41	201.78
		For Each Additional Inch In Height, Add	*72.97*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	817.49	288.26
		For Each Additional Inch In Height, Add	*88.25*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	691.79	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	419.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	468.56	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	526.30	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	452.09	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	503.93	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	567.93	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	499.96	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	546.01	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	610.25	
33 42 31 00-0220		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)*		
		Note: Inside span.		
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	4,636.07	807.35
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,279.15	921.35
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,003.44	1,045.65
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,202.44	1,254.36
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	8,755.01	1,514.38
33 42 31 00-0226		**Precast Concrete Inlet Boxes** *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0227		**Precast Concrete Inlet Boxes** *(33 42 31 00-0226)*		
33 42 31 00-0228		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
		Note: Yard inlet.		
33 42 31 00-0229		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0228)*		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	831.12	80.72
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	977.32	98.01
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,123.53	115.30
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,271.17	133.32
33 42 31 00-0234		**24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0228)*		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	209.62	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	338.53	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	478.97	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	619.42	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	759.85	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	900.30	
33 42 31 00-0241		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0242		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0241)*		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,711.00	227.99
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,925.27	263.61
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,139.56	299.23
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,354.01	334.94
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,568.47	370.65
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,782.92	406.36
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,997.37	442.07
33 42 31 00-0250		**22" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0241)*		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	410.55	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	659.67	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	717.36	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	918.05	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,118.74	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,314.19	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,528.46	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,742.75	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,957.20	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,171.66	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,386.11	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,600.55	
33 42 31 00-0263		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0264		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,652.10	250.79
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,867.00	289.97
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,081.89	329.16
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,296.98	368.44
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,512.06	407.72
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,727.14	447.00
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,942.23	486.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0272		**30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	408.83	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	648.95	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	708.25	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	905.18	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,102.13	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,297.94	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,509.70	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,720.32	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,932.08	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,142.71	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,354.46	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,566.23	
33 42 31 00-0285		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0286		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0285)*		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,963.26	273.59
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,215.59	318.05
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,467.91	363.65
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,719.10	408.10
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,971.43	453.69
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,223.76	498.15
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,474.95	542.62
33 42 31 00-0294		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	450.87	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	730.76	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	791.75	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,015.01	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,238.27	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,461.52	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,700.17	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,938.82	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,177.47	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,416.12	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,654.77	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,893.41	
33 42 31 00-0307		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,114.80	170.99
33 42 31 00-0309		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0310		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,779.83	303.99
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,116.38	353.95
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,452.95	403.91
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,789.13	453.70
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,125.32	503.48
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,461.51	553.27
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,797.70	603.06
33 42 31 00-0318		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	453.21	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	720.23	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,051.85	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,383.47	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,696.08	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,027.70	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,364.26	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,700.82	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,037.00	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,373.19	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,709.39	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,045.57	
33 42 31 00-0331		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,211.57	185.24
33 42 31 00-0333		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0334		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,206.80	383.02
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,577.45	447.02
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,948.09	511.01
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,318.04	574.65
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,687.99	638.29
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,057.94	701.93
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,427.89	765.57
33 42 31 00-0342		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	498.02	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	772.60	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,142.94	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,513.28	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,851.70	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,222.04	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,592.69	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,963.34	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,333.28	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,703.23	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,073.18	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,443.13	
33 42 31 00-0355		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,347.08	207.47
33 42 31 00-0357		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0358		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,018.75	516.40
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,488.01	601.89
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,957.27	686.25
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,425.40	771.74
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,894.66	856.10
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,362.78	940.45
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,833.18	1,025.95
33 42 31 00-0366		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	667.61	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,018.32	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,479.60	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,940.89	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,369.10	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,830.39	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,299.65	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,768.91	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,237.04	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,706.30	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,174.42	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,643.68	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,833.54	227.99
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy Duty Inlet Grate Note: For type A, B, D, or E inlets.	417.86	53.54
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	541.39	53.54
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	541.39	53.54
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	541.39	53.54
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	593.10	53.54
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	441.67	107.09
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	514.06	107.09
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	639.98	133.86
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	546.91	133.86
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	557.26	133.86
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	577.94	133.86
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	598.62	133.86
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	577.94	133.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	598.62	133.86
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	619.30	133.86
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	888.15	133.86
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	929.52	133.86
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	970.88	133.86
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	660.66	133.86
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	598.62	133.86
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	598.62	133.86
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,220.84	133.86
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,220.84	133.86
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	501.31	147.25
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	697.78	147.25
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	697.78	147.25
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	770.17	147.25
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	883.91	147.25
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	759.82	147.25
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,080.38	147.25
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	956.30	147.25
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,234.92	214.18
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	1,979.44	214.18
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,203.90	214.18
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,882.24	214.18
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,017.83	321.27
33 42 31 00-0419	EA	Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,075.81	428.36
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,273.37	428.36
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,273.37	428.36
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,014.85	428.36
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,014.85	428.36
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,356.09	428.36
33 42 31 00-0425		Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*		
33 42 31 00-0426		Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0425)*		
33 42 31 00-0427	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,393.22	
33 42 31 00-0428	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,778.58	
33 42 31 00-0429	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,135.67	
33 42 31 00-0430	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,464.49	
33 42 31 00-0431	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,765.06	
33 42 31 00-0432	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,037.37	
33 42 31 00-0433	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,493.71	
33 42 31 00-0434	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,402.21	
33 42 31 00-0435	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,239.66	
33 42 31 00-0436	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,008.38	
33 42 31 00-0437	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,744.74	
33 42 31 00-0438	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,419.89	
33 42 31 00-0439	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,033.80	
33 42 31 00-0440		Type OL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0425)*		
33 42 31 00-0441	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,258.86	
33 42 31 00-0442	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,618.39	
33 42 31 00-0443	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,949.66	
33 42 31 00-0444	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,252.67	
33 42 31 00-0445	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,526.26	
33 42 31 00-0446	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,772.75	
33 42 31 00-0447	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,185.82	
33 42 31 00-0448	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,072.81	
33 42 31 00-0449	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,888.74	
33 42 31 00-0450	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,634.77	
33 42 31 00-0451	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,352.31	
33 42 31 00-0452	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,008.62	
33 42 31 00-0453	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,603.72	
33 42 31 00-0454		Type OL-10 Concrete Drainage Inlet Structure *(33 42 31 00-0425)*		
33 42 31 00-0455	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,056.59	
33 42 31 00-0456	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,392.59	
33 42 31 00-0457	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,699.16	
33 42 31 00-0458	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,978.61	
33 42 31 00-0459	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,228.66	
33 42 31 00-0460	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,450.45	
33 42 31 00-0461	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,877.94	
33 42 31 00-0462	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,742.25	
33 42 31 00-0463	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,537.81	
33 42 31 00-0464	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,262.33	
33 42 31 00-0465	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,959.88	
33 42 31 00-0466	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,597.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0467	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,172.48	
33 42 31 00-0468		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0469	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,193.80	
33 42 31 00-0470	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,494.88	
33 42 31 00-0471	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,767.68	
33 42 31 00-0472	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,012.23	
33 42 31 00-0473	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,228.51	
33 42 31 00-0474	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,416.54	
33 42 31 00-0475	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,858.46	
33 42 31 00-0476	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,692.17	
33 42 31 00-0477	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,455.99	
33 42 31 00-0478	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,149.93	
33 42 31 00-0479	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,821.86	
33 42 31 00-0480	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,431.42	
33 42 31 00-0481	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,979.75	
33 42 31 00-0482		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0483	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,502.17	
33 42 31 00-0484	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,733.99	
33 42 31 00-0485	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,937.57	
33 42 31 00-0486	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,112.86	
33 42 31 00-0487	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,258.76	
33 42 31 00-0488	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,377.55	
33 42 31 00-0489	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,776.20	
33 42 31 00-0490	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,549.60	
33 42 31 00-0491	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,253.09	
33 42 31 00-0492	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,886.70	
33 42 31 00-0493	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,505.75	
33 42 31 00-0494	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,062.44	
33 42 31 00-0495	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,557.89	
33 42 31 00-0496		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0497	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,954.75	
33 42 31 00-0498	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,351.44	
33 42 31 00-0499	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,715.56	
33 42 31 00-0500	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,047.18	
33 42 31 00-0501	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,347.41	
33 42 31 00-0502	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,616.27	
33 42 31 00-0503	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,151.90	
33 42 31 00-0504	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,139.64	
33 42 31 00-0505	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,048.76	
33 42 31 00-0506	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,878.11	
33 42 31 00-0507	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,677.24	
33 42 31 00-0508	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,407.46	
33 42 31 00-0509	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,067.65	
33 42 31 00-0510		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0511	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,820.39	
33 42 31 00-0512	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,190.09	
33 42 31 00-0513	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,528.41	
33 42 31 00-0514	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,835.35	
33 42 31 00-0515	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,109.76	
33 42 31 00-0516	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,351.64	
33 42 31 00-0517	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,887.28	
33 42 31 00-0518	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,851.51	
33 42 31 00-0519	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,737.12	
33 42 31 00-0520	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,544.09	
33 42 31 00-0521	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,322.55	
33 42 31 00-0522	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,032.14	
33 42 31 00-0523	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,672.82	
33 42 31 00-0524		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0525	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,612.45	
33 42 31 00-0526	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,926.56	
33 42 31 00-0527	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,216.82	
33 42 31 00-0528	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,485.50	
33 42 31 00-0529	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,732.65	
33 42 31 00-0530	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,955.93	
33 42 31 00-0531		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0532	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,223.49	
33 42 31 00-0533	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,576.14	
33 42 31 00-0534	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,902.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0535	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,203.97	
33 42 31 00-0536	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,479.15	
33 42 31 00-0537	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,727.36	
33 42 31 00-0538	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,046.71	
33 42 31 00-0539	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,884.82	
33 42 31 00-0540	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,658.72	
33 42 31 00-0541	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,368.39	
33 42 31 00-0542	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,048.29	
33 42 31 00-0543	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,671.97	
33 42 31 00-0544	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,238.28	
33 42 31 00-0545		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0546	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,748.24	
33 42 31 00-0547	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,057.81	
33 42 31 00-0548	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,344.65	
33 42 31 00-0549	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,609.95	
33 42 31 00-0550	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,851.40	
33 42 31 00-0551	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,071.28	
33 42 31 00-0552		**Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0553	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,155.60	
33 42 31 00-0554	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,510.51	
33 42 31 00-0555	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,839.61	
33 42 31 00-0556	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,141.75	
33 42 31 00-0557	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,419.19	
33 42 31 00-0558	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,669.67	
33 42 31 00-0559	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,017.87	
33 42 31 00-0560	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,857.70	
33 42 31 00-0561	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,632.15	
33 42 31 00-0562	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,342.38	
33 42 31 00-0563	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,022.74	
33 42 31 00-0564	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,646.87	
33 42 31 00-0565	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,214.78	
33 42 31 00-0566		**Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0567	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,223.49	
33 42 31 00-0568	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,576.14	
33 42 31 00-0569	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,902.96	
33 42 31 00-0570	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,203.97	
33 42 31 00-0571	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,479.15	
33 42 31 00-0572	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,727.36	
33 42 31 00-0573	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,046.71	
33 42 31 00-0574	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,884.82	
33 42 31 00-0575	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,658.72	
33 42 31 00-0576	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,368.39	
33 42 31 00-0577	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,048.29	
33 42 31 00-0578	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,671.97	
33 42 31 00-0579	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,238.28	
33 42 31 00-0580		**Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0581	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,731.27	
33 42 31 00-0582	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,041.11	
33 42 31 00-0583	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,329.39	
33 42 31 00-0584	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,593.82	
33 42 31 00-0585	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,836.70	
33 42 31 00-0586	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,056.86	
33 42 31 00-0587		**Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0588	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,765.21	
33 42 31 00-0589	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,074.49	
33 42 31 00-0590	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,361.06	
33 42 31 00-0591	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,624.94	
33 42 31 00-0592	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,866.09	
33 42 31 00-0593	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,085.70	
33 42 31 00-0594		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0595	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,953.34	
33 42 31 00-0596	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,437.07	
33 42 31 00-0597	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,916.58	
33 42 31 00-0598	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,298.76	
33 42 31 00-0599	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,675.56	
33 42 31 00-0600	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,017.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0601		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0602	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,581.35	
33 42 31 00-0603	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,107.83	
33 42 31 00-0604	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,594.30	
33 42 31 00-0605	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,041.89	
33 42 31 00-0606	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,449.44	
33 42 31 00-0607	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,818.13	
33 42 31 00-0608	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,786.35	
33 42 31 00-0609	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,021.93	
33 42 31 00-0610	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,161.20	
33 42 31 00-0611	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,205.33	
33 42 31 00-0612	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,207.19	
33 42 31 00-0613	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,124.63	
33 42 31 00-0614	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,957.64	
33 42 31 00-0615		**Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0616	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,936.36	
33 42 31 00-0617	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,420.38	
33 42 31 00-0618	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,869.91	
33 42 31 00-0619	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,283.78	
33 42 31 00-0620	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,660.86	
33 42 31 00-0621	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,003.45	
33 42 31 00-0622		**Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0623	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,700.16	
33 42 31 00-0624	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,222.38	
33 42 31 00-0625	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,705.71	
33 42 31 00-0626	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,149.05	
33 42 31 00-0627	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,553.49	
33 42 31 00-0628	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,919.06	
33 42 31 00-0629	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,800.77	
33 42 31 00-0630	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,036.07	
33 42 31 00-0631	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,175.06	
33 42 31 00-0632	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,217.76	
33 42 31 00-0633	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,219.39	
33 42 31 00-0634	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,136.60	
33 42 31 00-0635	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,969.39	
33 42 31 00-0636		**Type GO Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0637	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,104.67	
33 42 31 00-0638	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,444.90	
33 42 31 00-0639	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,759.85	
33 42 31 00-0640	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,049.56	
33 42 31 00-0641	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,313.99	
33 42 31 00-0642	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,554.33	
33 42 31 00-0643	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,888.09	
33 42 31 00-0644	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,701.42	
33 42 31 00-0645	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,450.60	
33 42 31 00-0646	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,137.93	
33 42 31 00-0647	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,797.94	
33 42 31 00-0648	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,401.56	
33 42 31 00-0649	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,951.08	
33 42 31 00-0650		**Type GDO Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0651	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,749.67	
33 42 31 00-0652	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,196.81	
33 42 31 00-0653	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,610.94	
33 42 31 00-0654	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,993.17	
33 42 31 00-0655	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,341.22	
33 42 31 00-0656	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,657.39	
33 42 31 00-0657	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,286.76	
33 42 31 00-0658	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,334.93	
33 42 31 00-0659	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,301.97	
33 42 31 00-0660	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,189.06	
33 42 31 00-0661	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,039.46	
33 42 31 00-0662	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,818.73	
33 42 31 00-0663	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,526.87	
33 42 31 00-0664		**Catch Basin Frames And Covers** *(33 42 31 00-0001)*		
33 42 31 00-0665		**Cast Iron Frames And Covers** *(33 42 31 00-0664)*		
33 42 31 00-0666	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	864.80	115.30
33 42 31 00-0667	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,093.27	130.29
33 42 31 00-0668	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,237.30	134.91
33 42 31 00-0669	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,394.25	156.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0670	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	1,634.31	178.73
33 42 31 00-0671	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	2,605.09	186.79
33 42 31 00-0672	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,412.74	141.83
33 42 31 00-0673	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	1,841.37	163.73
33 42 31 00-0674	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,081.85	170.65
33 42 31 00-0675	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	1,967.33	170.65
33 42 31 00-0676	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,033.39	177.57
33 42 31 00-0677	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	2,183.44	184.48
33 42 31 00-0678	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	2,624.24	198.32

33 42 31 00-0679 Area Yard Drain *(33 42 31 00-0001)*
See CSI section 22 14 26 16-0001 for drains.

33 42 31 00-0680 Ductile Iron Grates *(33 42 31 00-0679)*
Note: Not for traffic loading.

33 42 31 00-0681	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	166.56	38.95
33 42 31 00-0682	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	204.39	41.56
33 42 31 00-0683	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	476.94	51.95
33 42 31 00-0684	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	569.89	62.33

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	1,762.99	134.91
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	1,885.18	156.81
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	1,960.21	156.81
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,146.59	184.48
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,123.75	197.17

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*
See CSI section 03 31 13 00-0011 for concrete.

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C)	70.20	18.44
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*104.23*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*208.46*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*333.53*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*83.38*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*41.69*	

33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	53.14	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	64.67	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	64.67	

33 42 36 00-0011 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0011)*

33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	215.24	18.44
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*104.23*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*208.46*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*333.53*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*83.38*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*41.69*	

33 42 36 00-0015 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	98.10	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	109.63	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	109.63	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	188.22	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	188.22	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	891.47	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	1,725.29	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	208.46	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	313.21	18.44
		For Black Acid Resistant Coated Frame, Add	*79.21*	
		For Galvanized Top Frame Assembly, Add	*79.21*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*291.84*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	106.44	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	117.97	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	117.97	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	188.22	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	188.22	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	891.47	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,725.29	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	208.46	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	404.93	18.44
		For Black Acid Resistant Coated Frame, Add	*79.21*	
		For Galvanized Top Frame Assembly, Add	*79.21*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*291.84*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	173.15	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	184.68	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	184.68	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	188.22	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	188.22	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	891.47	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,725.29	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	208.46	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	480.38	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	190.67	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	232.45	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	74.16	
33 42 36 00-0058		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0059		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0060		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High Density Polyethylene, Modular Trench Drain	405.10	25.36
		For Acid Resistant Coated Top Frame, Add	*108.40*	
		For Galvanized Welded Frame Assembly, Add	*113.61*	
		For Type 304 Stainless Steel Top Frame, Add	*650.38*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0062		Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	201.67	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	217.06	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	217.06	
33 42 36 00-0066		Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	336.33	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	440.56	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,756.33	
33 42 36 00-0070	EA	Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	3,423.97	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	416.91	
33 42 36 00-0072		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0073		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	509.33	25.36
		For Acid Resistant Coated Top Frame, Add	*108.40*	
		For Galvanized Welded Frame Assembly, Add	*113.61*	
		For Type 304 Stainless Steel Top Frame, Add	*650.38*	
33 42 36 00-0075		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	210.01	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	225.40	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	225.40	
33 42 36 00-0079		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	336.33	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	440.56	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,756.33	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,423.97	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	416.91	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	717.79	25.36
		For Acid Resistant Coated Top Frame, Add	*108.40*	
		For Galvanized Welded Frame Assembly, Add	*113.61*	
		For Type 304 Stainless Steel Top Frame, Add	*650.38*	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	522.69	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	538.08	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	538.08	
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	336.33	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	440.56	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,756.33	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,423.97	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	416.91	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	644.30	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	324.11	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	558.28	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	129.83	

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SAN BERNARDINO COUNTY

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0105		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0106		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0105)*		
33 42 36 00-0107		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0108	LF	23" Wide, High Density Polyethylene, Modular Trench Drain	567.93	34.59
		For Acid Resistant Coated Frame, Add	*162.59*	
		For Galvanized Frame Assembly, Add	*162.59*	
		For Type 304 Stainless Steel Top Frame, Add	*1,000.58*	
33 42 36 00-0109		Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0110	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	641.35	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	936.31	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	936.31	
33 42 36 00-0113		Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	764.18	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	3,479.39	
33 42 36 00-0116	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	6,814.67	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	833.82	
33 42 36 00-0118		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	44.12	3.46
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	46.38	3.46
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	37.36	3.46
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	99.40	3.46
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	37.36	3.46
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	99.40	3.46
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	205.89	3.46
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	174.41	3.46
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	183.17	3.46
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	160.03	3.46
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	172.53	3.46
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	174.62	3.46
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	174.62	3.46
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	172.53	3.46
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	151.69	3.46
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	151.69	3.46
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	161.28	3.46
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	161.28	3.46
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	210.06	3.46
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	210.06	3.46
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	385.16	3.46
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	385.16	3.46
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,073.06	3.46
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	143.35	3.46
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	310.11	3.46
33 42 36 00-0146		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	569.17	3.75
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	544.15	3.75
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	473.28	3.75
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	497.25	3.75
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	429.50	3.75
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	841.20	3.75
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	841.20	3.75
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,073.63	3.75
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,073.63	3.75
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,370.68	3.75
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,370.68	3.75
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,300.85	3.75
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	613.99	3.75
33 42 36 00-0160		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	899.11	4.03
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	757.36	4.03
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,174.27	4.03
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	869.92	4.03

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 **Oil/Water Separator** *(33 44 36)*
Note: Complete with internal sensors and detectors.

33 44 36 00-0002 **Coalescing Oil Water Separator** *(33 44 36 00-0001)*
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 **Single Wall Steel Coalescing Oil Water Separator** *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,044.41	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	23,293.50	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	27,887.74	
		For Interior Polyurethane Coating, Add	*1,340.10*	

33 44 36 00-0007 **Double Wall Steel Coalescing Oil Water Separator** *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	29,561.63	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	33,996.09	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	41,507.77	
		For Interior Polyurethane Coating, Add	*1,340.10*	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	48,305.61	
		For Interior Polyurethane Coating, Add	*1,550.70*	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	64,125.65	
		For Interior Polyurethane Coating, Add	*2,057.80*	

33 44 36 00-0013 **Accessories For Coalescing Oil Water Separators** *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,185.17
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,611.45
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	956.55
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	706.98
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	239.02
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,040.49
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,080.98
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,121.55
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	724.59
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	857.70
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,715.41
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,821.02
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,036.56
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,352.80
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,877.02
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,432.72
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,418.55
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,549.97
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,001.67
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,387.23
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,690.89
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,655.92
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,322.76
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,605.61

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,905.11	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	112.31	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	126.87	
33 44 36 00-0041		Oil Skimmers *(33 44 36)*		
33 44 36 00-0042		Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,118.12	634.50
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,353.92	634.50
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,139.96	634.50
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,442.34	634.50
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,387.76	634.50
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,587.53	634.50
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,439.06	634.50
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,740.36	634.50
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,794.65	846.19
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,046.82	846.19
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,861.24	846.19
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,223.67	846.19
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,432.17	846.19
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,684.34	846.19
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,485.66	846.19
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,849.18	846.19
33 44 36 00-0059		Oil Skimmers, Add-Ons *(33 44 36 00-0041)*		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	267.29	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	315.32	

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	580.26	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	536.51	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	504.44	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	473.43	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	236.13	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	209.59	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	193.87	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	178.39	

33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*

33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	327.63	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	300.76	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	281.78	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	264.38	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	184.02	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	164.31	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	152.13	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	141.21	

33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*

33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	993.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	927.11	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	873.52	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	824.58	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	835.01	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	776.69	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	730.63	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	688.84	
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	602.96	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	558.10	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	524.93	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	492.89	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	236.13	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	205.30	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	193.87	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	178.39	
33 46 23 00-0038		52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,031.78	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	961.80	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	904.51	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	854.55	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,288.10	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,205.29	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,135.83	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,074.31	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	59.52	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	75.50	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	98.72	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	124.72	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	732.93	
33 46 53		**Stormwater Leaching Pits** *(33 46)*		
33 46 53 00-0001		Drainage Wells *(33 46 53)* Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	36.02	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	44.70	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	61.01	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*
Note: Excludes excavation and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0002		**Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped** *(33 52 16 13-0001)*		
33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.84	2.90
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	36.22	3.18
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	43.13	3.27
33 52 16 13-0006	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	44.23	3.36
33 52 16 13-0007	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	46.27	3.40
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	48.84	3.64
33 52 16 13-0009	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	71.91	4.41
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	89.37	5.57
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	123.72	6.72
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	172.49	7.79
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	218.03	9.52
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	324.06	12.25
33 52 16 13-0015		**Gas Line Taps** *(33 52 16 13-0001)*		
		Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016		**Polyethylene, 60 PSI** *(33 52 16 13-0015)*		
33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	5,136.01	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	2,850.37	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	2,990.91	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	8,888.46	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	13,966.37	
33 52 16 13-0022		**Steel, Schedule 40** *(33 52 16 13-0015)*		
		Note: For punch steel service tee.		
33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,311.35	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,367.56	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,440.88	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,512.21	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,568.27	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,889.29	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,983.15	
33 52 16 13-0030		**Protective Pipe And Fitting Wrap** *(33 52 16 13-0001)*		
		Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		**Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.14	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.33	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.54	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.95	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.27	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.88	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.86	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.17	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.95	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.75	
33 52 16 13-0042		**Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	19.25	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	19.25	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.85	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.70	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.70	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.58	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	42.26	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	56.55	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	57.05	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	65.45	
33 52 16 13-0053		**Service Fittings** *(33 52 16 13-0001)*		
33 52 16 13-0054		**Brass Fittings** *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	39.49	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	46.12	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	58.91	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	73.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	82.97	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	109.17	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	33.35	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	38.47	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	50.24	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	65.45	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	75.07	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	101.19	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	26.68	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	34.44	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	44.87	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	64.06	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	77.87	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	105.48	
33 52 16 13-0073		**Anodless Gas Riser** *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodless Gas Riser	99.70	
33 52 16 13-0075	EA	1" Anodless Gas Riser	123.61	
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser	145.55	
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser	183.22	
33 52 16 13-0078	EA	2" Anodless Gas Riser	210.96	
33 52 16 13-0079		**Brass Service Adapter** *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	75.28	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	82.85	
33 52 16 13-0082	EA	1" Brass Service Adapter	99.83	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	125.03	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	154.09	
33 52 16 13-0085	EA	2" Brass Service Adapter	189.77	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	386.28	
33 52 16 13-0087	EA	3" Brass Service Adapter	473.46	
33 52 16 13-0088	EA	4" Brass Service Adapter	691.71	
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		**Medium Density Polyethylene (MDPE) Gas Distribution Piping** *(33 52 16 23)*		
		Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.10	1.83
		For Colors, Add	*0.05*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.55	1.96
		For SDR 13.5, Deduct	*-0.11*	
		For Colors, Add	*0.07*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.01	2.09
		For SDR 13.5, Deduct	*-0.13*	
		For Colors, Add	*0.08*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.48	2.22
		For SDR 13.5, Deduct	*-0.16*	
		For Colors, Add	*0.10*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.29	2.68
		For SDR 13.5, Deduct	*-0.22*	
		For Colors, Add	*0.14*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.09	2.91
		For SDR 13.5, Deduct	*-0.29*	
		For SDR 15.5, Deduct	*-0.53*	
		For Colors, Add	*0.19*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.90	3.41
		For SDR 13.5, Deduct	*-0.48*	
		For SDR 15.5, Deduct	*-0.88*	
		For Colors, Add	*0.31*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.86	4.05
		For SDR 13.5, Deduct	*-0.66*	
		For SDR 15.5, Deduct	*-1.21*	
		For Colors, Add	*0.42*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	17.70	4.79
		For SDR 13.5, Deduct	*-1.22*	
		For SDR 15.5, Deduct	*-2.23*	
		For Colors, Add	*0.78*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	22.27	4.79
		For SDR 13.5, Deduct	*-1.69*	
		For SDR 15.5, Deduct	*-3.10*	
		For Colors, Add	*1.09*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	26.97	4.79
		For SDR 13.5, Deduct	*-2.16*	
		For SDR 15.5, Deduct	*-3.96*	
		For Colors, Add	*1.39*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	39.72	5.99
		For SDR 13.5, Deduct	*-3.59*	
		For SDR 15.5, Deduct	*-6.60*	
		For Colors, Add	*2.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26		**High Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 26-0001		High Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)* Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.17	1.83
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.65	1.96
		For SDR 13.5, Deduct	*-0.12*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.11	2.09
		For SDR 13.5, Deduct	*-0.14*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.61	2.22
		For SDR 13.5, Deduct	*-0.17*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.47	2.68
		For SDR 13.5, Deduct	*-0.24*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	7.32	2.91
		For SDR 13.5, Deduct	*-0.32*	
		For SDR 15.5, Deduct	*-0.58*	
		For SDR 17, Deduct	*-0.85*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	9.29	3.41
		For SDR 13.5, Deduct	*-0.53*	
		For SDR 15.5, Deduct	*-0.97*	
		For SDR 17, Deduct	*-1.41*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	11.39	4.05
		For SDR 13.5, Deduct	*-0.72*	
		For SDR 15.5, Deduct	*-1.33*	
		For SDR 17, Deduct	*-1.93*	
		For SDR 21, Deduct	*-2.64*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	18.68	4.79
		For SDR 13.5, Deduct	*-1.34*	
		For SDR 15.5, Deduct	*-2.46*	
		For SDR 17, Deduct	*-3.57*	
		For SDR 21, Deduct	*-4.88*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	28.71	4.79
		For SDR 13.5, Deduct	*-2.37*	
		For SDR 15.5, Deduct	*-4.36*	
		For SDR 17, Deduct	*-6.33*	
		For SDR 21, Deduct	*-8.66*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	42.61	5.99
		For SDR 13.5, Deduct	*-3.95*	
		For SDR 15.5, Deduct	*-7.26*	
		For SDR 17, Deduct	*-10.54*	
		For SDR 21, Deduct	*-14.42*	
33 53		**Hydrocarbon Utility Pressure Regulation** *(33 50)*		
33 53 16		**Gas Hydrocarbon Pressure Regulation** *(33 53)*		
33 53 16 00-0001		Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*		
33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	272.22	18.37
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	276.39	18.37
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	286.39	21.82
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	1,015.40	25.26
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	1,068.15	39.12
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	3,022.89	87.76
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	4,209.02	116.31
33 56		**Hydrocarbon Storage** *(33 50)*		
33 56 13		**Aboveground Hydrocarbon Storage Tanks** *(33 56)* See CSI section 23 13 23 00-0000 for aboveground storage tanks.		
33 56 33		**Underground Hydrocarbon Storage** *(33 56)* See CSI section 23 13 13 00-0000 for underground storage tanks.		
33 59		**Hydrocarbon Utility Metering** *(33 50)*		
33 59 11		**Diaphragm/Bellows Hydrocarbons Meters** *(33 59)*		
33 59 11 00-0001		Diaphragm Meters *(33 59 11)* Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	633.79	71.90
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	1,281.92	109.96
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	1,530.51	109.96
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	3,475.57	137.45
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	3,912.36	169.17
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,251.83	137.45
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,823.81	169.17
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	7,738.88	179.75
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	10,996.46	211.47
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	16,762.52	348.92
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	13,354.80	372.92
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	14,615.48	433.07
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	22,698.76	475.68
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	44,235.27	579.08
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	72,566.74	723.84

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,583.95
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,748.89
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,748.89
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,078.76
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	2,954.97
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,422.29
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,326.24
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	2,872.50
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	2,872.50
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,253.91
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,250.31
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,076.34
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,276.93
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	3,946.98
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	3,946.98
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,539.19
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,148.50
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	6,988.12
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	8,892.27
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	8,892.27
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,215.27
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	9,828.03
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	11,028.37
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	13,623.79
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	18,557.92

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	1,899.55
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	3,106.71
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	5,728.84
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	10,171.33
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	15,054.86
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	17,685.03
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	20,314.79

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,861.75
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	3,106.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	5,989.98	
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	16,892.40	
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	15,054.86	
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	17,685.03	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	20,314.79	
33 61 13 00-0044		**Tee, Glass Lined Steel Fittings** *(33 61 13 00-0001)*		
		Note: 150 PSIG		
33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	2,952.69	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	5,071.86	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	7,512.44	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	12,960.27	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	18,448.88	
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	21,740.26	
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	24,975.19	
33 61 13 00-0052		**Prefabricated/Preinsulated Pipe** *(33 61 13)*		
		Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.		
33 61 13 00-0053		**Preinsulated Schedule 40 Black Steel Pipe** *(33 61 13 00-0052)*		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0054		**Standard Black Steel Carrier Pipe** *(33 61 13 00-0053)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	169.70	19.98
		For High Density Polyethylene (HDPE) Jacket, Add	*2.86*	
		For Schedule 80 Pipe, Add	*28.61*	
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	186.09	21.57
		For High Density Polyethylene (HDPE) Jacket, Add	*3.15*	
		For Schedule 80 Pipe, Add	*31.47*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	207.75	22.90
		For High Density Polyethylene (HDPE) Jacket, Add	*3.54*	
		For Schedule 80 Pipe, Add	*35.44*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	222.44	24.18
		For High Density Polyethylene (HDPE) Jacket, Add	*3.80*	
		For Schedule 80 Pipe, Add	*38.04*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	233.06	25.67
		For High Density Polyethylene (HDPE) Jacket, Add	*3.98*	
		For Schedule 80 Pipe, Add	*39.77*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	258.44	31.74
		For High Density Polyethylene (HDPE) Jacket, Add	*4.32*	
		For Schedule 80 Pipe, Add	*43.22*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.06	38.74
		For High Density Polyethylene (HDPE) Jacket, Add	*4.67*	
		For Schedule 80 Pipe, Add	*46.68*	
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.70	49.32
		For High Density Polyethylene (HDPE) Jacket, Add	*5.88*	
		For Schedule 80 Pipe, Add	*58.79*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	456.61	60.41
		For High Density Polyethylene (HDPE) Jacket, Add	*7.52*	
		For Schedule 80 Pipe, Add	*75.21*	
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	530.94	70.78
		For High Density Polyethylene (HDPE) Jacket, Add	*8.73*	
		For Schedule 80 Pipe, Add	*87.31*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	749.42	85.53
		For High Density Polyethylene (HDPE) Jacket, Add	*12.71*	
		For Schedule 80 Pipe, Add	*127.08*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	974.25	101.77
		For High Density Polyethylene (HDPE) Jacket, Add	*16.77*	
		For Schedule 80 Pipe, Add	*167.71*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,213.03	125.24
		For High Density Polyethylene (HDPE) Jacket, Add	*20.92*	
		For Schedule 80 Pipe, Add	*209.21*	
33 61 13 00-0068		**Standard Black Steel Carrier Pipe** *(33 61 13 00-0053)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	184.01	19.98
		For High Density Polyethylene (HDPE) Jacket, Add	*3.15*	
		For Schedule 80 Pipe, Add	*31.48*	
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	201.82	21.57
		For High Density Polyethylene (HDPE) Jacket, Add	*3.46*	
		For Schedule 80 Pipe, Add	*34.61*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	225.47	22.90
		For High Density Polyethylene (HDPE) Jacket, Add	*3.90*	
		For Schedule 80 Pipe, Add	*38.99*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	241.46	24.18
		For High Density Polyethylene (HDPE) Jacket, Add	*4.18*	
		For Schedule 80 Pipe, Add	*41.84*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	252.95	25.67
		For High Density Polyethylene (HDPE) Jacket, Add	*4.37*	
		For Schedule 80 Pipe, Add	*43.74*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	280.06	31.74
		For High Density Polyethylene (HDPE) Jacket, Add	*4.75*	
		For Schedule 80 Pipe, Add	*47.55*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	308.41	38.74
		For High Density Polyethylene (HDPE) Jacket, Add	*5.14*	
		For Schedule 80 Pipe, Add	*51.35*	
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	389.09	49.32
		For High Density Polyethylene (HDPE) Jacket, Add	*6.47*	
		For Schedule 80 Pipe, Add	*64.66*	
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	494.21	60.41
		For High Density Polyethylene (HDPE) Jacket, Add	*8.27*	
		For Schedule 80 Pipe, Add	*82.73*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	574.60	70.78
		For High Density Polyethylene (HDPE) Jacket, Add	*9.60*	
		For Schedule 80 Pipe, Add	*96.05*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	812.97	85.53
		For High Density Polyethylene (HDPE) Jacket, Add	*13.98*	
		For Schedule 80 Pipe, Add	*139.79*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,058.11	101.77
		For High Density Polyethylene (HDPE) Jacket, Add	*18.45*	
		For Schedule 80 Pipe, Add	*184.48*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,317.63	125.24
		For High Density Polyethylene (HDPE) Jacket, Add	*23.01*	
		For Schedule 80 Pipe, Add	*230.13*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	191.17	19.98
		For High Density Polyethylene (HDPE) Jacket, Add	*3.29*	
		For Schedule 80 Pipe, Add	*32.91*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	209.69	21.57
		For High Density Polyethylene (HDPE) Jacket, Add	*3.62*	
		For Schedule 80 Pipe, Add	*36.19*	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	234.34	22.90
		For High Density Polyethylene (HDPE) Jacket, Add	*4.08*	
		For Schedule 80 Pipe, Add	*40.76*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	250.97	24.18
		For High Density Polyethylene (HDPE) Jacket, Add	*4.37*	
		For Schedule 80 Pipe, Add	*43.74*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.89	25.67
		For High Density Polyethylene (HDPE) Jacket, Add	*4.57*	
		For Schedule 80 Pipe, Add	*45.73*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	290.86	31.74
		For High Density Polyethylene (HDPE) Jacket, Add	*4.97*	
		For Schedule 80 Pipe, Add	*49.71*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.08	38.74
		For High Density Polyethylene (HDPE) Jacket, Add	*5.37*	
		For Schedule 80 Pipe, Add	*53.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	403.79	49.32
		For High Density Polyethylene (HDPE) Jacket, Add	*6.76*	
		For Schedule 80 Pipe, Add	*67.60*	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	513.01	60.41
		For High Density Polyethylene (HDPE) Jacket, Add	*8.65*	
		For Schedule 80 Pipe, Add	*86.49*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	596.43	70.78
		For High Density Polyethylene (HDPE) Jacket, Add	*10.04*	
		For Schedule 80 Pipe, Add	*100.41*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	844.74	85.53
		For High Density Polyethylene (HDPE) Jacket, Add	*14.61*	
		For Schedule 80 Pipe, Add	*146.14*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,100.03	101.77
		For High Density Polyethylene (HDPE) Jacket, Add	*19.29*	
		For Schedule 80 Pipe, Add	*192.87*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,369.94	125.24
		For High Density Polyethylene (HDPE) Jacket, Add	*24.06*	
		For Schedule 80 Pipe, Add	*240.59*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	201.90	19.98
		For High Density Polyethylene (HDPE) Jacket, Add	*3.51*	
		For Schedule 80 Pipe, Add	*35.05*	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	221.49	21.57
		For High Density Polyethylene (HDPE) Jacket, Add	*3.85*	
		For Schedule 80 Pipe, Add	*38.55*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	247.63	22.90
		For High Density Polyethylene (HDPE) Jacket, Add	*4.34*	
		For Schedule 80 Pipe, Add	*43.42*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	265.23	24.18
		For High Density Polyethylene (HDPE) Jacket, Add	*4.66*	
		For Schedule 80 Pipe, Add	*46.60*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	277.80	25.67
		For High Density Polyethylene (HDPE) Jacket, Add	*4.87*	
		For Schedule 80 Pipe, Add	*48.71*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.07	31.74
		For High Density Polyethylene (HDPE) Jacket, Add	*5.30*	
		For Schedule 80 Pipe, Add	*52.95*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	337.58	38.74
		For High Density Polyethylene (HDPE) Jacket, Add	*5.72*	
		For Schedule 80 Pipe, Add	*57.19*	
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	425.83	49.32
		For High Density Polyethylene (HDPE) Jacket, Add	*7.20*	
		For Schedule 80 Pipe, Add	*72.01*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	541.22	60.41
		For High Density Polyethylene (HDPE) Jacket, Add	*9.21*	
		For Schedule 80 Pipe, Add	*92.13*	
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	629.17	70.78
		For High Density Polyethylene (HDPE) Jacket, Add	*10.70*	
		For Schedule 80 Pipe, Add	*106.96*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	892.39	85.53
		For High Density Polyethylene (HDPE) Jacket, Add	*15.57*	
		For Schedule 80 Pipe, Add	*155.67*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,162.93	101.77
		For High Density Polyethylene (HDPE) Jacket, Add	*20.54*	
		For Schedule 80 Pipe, Add	*205.45*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,448.39	125.24
		For High Density Polyethylene (HDPE) Jacket, Add	*25.63*	
		For Schedule 80 Pipe, Add	*256.28*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0112		**Elbows** *(33 61 13 00-0111)*			
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,210.37	
		For High Density Polyethylene (HDPE) Jacket, Add		*21.80*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,245.33	
		For High Density Polyethylene (HDPE) Jacket, Add		*22.31*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,422.80	
		For High Density Polyethylene (HDPE) Jacket, Add		*25.39*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,572.30	
		For High Density Polyethylene (HDPE) Jacket, Add		*27.69*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,723.79	
		For High Density Polyethylene (HDPE) Jacket, Add		*28.85*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,911.54	
		For High Density Polyethylene (HDPE) Jacket, Add		*30.00*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,212.91	
		For High Density Polyethylene (HDPE) Jacket, Add		*34.62*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,582.14	
		For High Density Polyethylene (HDPE) Jacket, Add		*40.39*	
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,198.66	
		For High Density Polyethylene (HDPE) Jacket, Add		*51.93*	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,581.26	
		For High Density Polyethylene (HDPE) Jacket, Add		*58.98*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		5,107.27	
		For High Density Polyethylene (HDPE) Jacket, Add		*85.26*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		6,714.57	
		For High Density Polyethylene (HDPE) Jacket, Add		*108.98*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		8,731.33	
		For High Density Polyethylene (HDPE) Jacket, Add		*144.24*	
33 61 13 00-0126		**Elbows** *(33 61 13 00-0111)*			
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,292.11	
		For High Density Polyethylene (HDPE) Jacket, Add		*23.43*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,328.99	
		For High Density Polyethylene (HDPE) Jacket, Add		*23.98*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,518.00	
		For High Density Polyethylene (HDPE) Jacket, Add		*27.29*	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,676.16	
		For High Density Polyethylene (HDPE) Jacket, Add		*29.77*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,831.97	
		For High Density Polyethylene (HDPE) Jacket, Add		*31.01*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,024.05	
		For High Density Polyethylene (HDPE) Jacket, Add		*32.25*	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,342.73	
		For High Density Polyethylene (HDPE) Jacket, Add		*37.21*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,733.59	
		For High Density Polyethylene (HDPE) Jacket, Add		*43.42*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,393.39	
		For High Density Polyethylene (HDPE) Jacket, Add		*55.82*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		3,802.43	
		For High Density Polyethylene (HDPE) Jacket, Add		*63.40*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		5,427.00	
		For High Density Polyethylene (HDPE) Jacket, Add		*91.66*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		7,123.26	
		For High Density Polyethylene (HDPE) Jacket, Add		*117.16*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		9,272.23	
		For High Density Polyethylene (HDPE) Jacket, Add		*155.06*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0140		**Elbows** *(33 61 13 00-0111)*		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,373.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.07*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,412.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.66*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,613.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.19*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,780.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.85*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,940.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.18*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,136.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.50*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,472.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.81*	
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,885.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*46.45*	
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,588.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*59.72*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,023.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*67.83*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,746.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*98.05*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,531.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*125.33*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,813.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*165.88*	
33 61 13 00-0154		**Elbows** *(33 61 13 00-0111)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,455.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.70*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,496.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.33*	
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,708.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*31.10*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,883.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.93*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,048.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.34*	
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,249.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.75*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,602.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.41*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,036.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*49.47*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,782.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*63.61*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,244.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*72.25*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,066.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*104.45*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,940.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*133.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,354.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*176.70*	
33 61 13 00-0168		Tees *(33 61 13 00-0110)*		
33 61 13 00-0169		Tees *(33 61 13 00-0168)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,799.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.37*	
33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,851.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.13*	
33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,114.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.70*	
33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,337.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*41.13*	
33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,563.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.84*	
33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,844.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.55*	
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,293.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*51.41*	
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,842.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*59.98*	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,762.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*77.11*	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,328.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*87.58*	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,595.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*126.61*	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,992.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*161.84*	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,988.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*214.20*	
33 61 13 00-0183		Tees *(33 61 13 00-0168)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,920.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.80*	
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,975.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.61*	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,256.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*40.53*	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,491.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.21*	
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,724.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*46.05*	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,011.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*47.89*	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,486.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*55.26*	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,067.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*64.47*	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,051.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*82.89*	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,656.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*94.15*	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,070.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*136.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0195		EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,599.25	
			For High Density Polyethylene (HDPE) Jacket, Add	*173.98*	
33 61 13 00-0196		EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,792.05	
			For High Density Polyethylene (HDPE) Jacket, Add	*230.26*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198		EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,041.89	
			For High Density Polyethylene (HDPE) Jacket, Add	*37.22*	
33 61 13 00-0199		EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,099.55	
			For High Density Polyethylene (HDPE) Jacket, Add	*38.10*	
33 61 13 00-0200		EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,397.70	
			For High Density Polyethylene (HDPE) Jacket, Add	*43.35*	
33 61 13 00-0201		EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,645.90	
			For High Density Polyethylene (HDPE) Jacket, Add	*47.30*	
33 61 13 00-0202		EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,884.83	
			For High Density Polyethylene (HDPE) Jacket, Add	*49.27*	
33 61 13 00-0203		EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,178.21	
			For High Density Polyethylene (HDPE) Jacket, Add	*51.24*	
33 61 13 00-0204		EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,678.97	
			For High Density Polyethylene (HDPE) Jacket, Add	*59.12*	
33 61 13 00-0205		EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,292.73	
			For High Density Polyethylene (HDPE) Jacket, Add	*68.97*	
33 61 13 00-0206		EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,340.57	
			For High Density Polyethylene (HDPE) Jacket, Add	*88.68*	
33 61 13 00-0207		EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,985.40	
			For High Density Polyethylene (HDPE) Jacket, Add	*100.72*	
33 61 13 00-0208		EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,545.01	
			For High Density Polyethylene (HDPE) Jacket, Add	*145.61*	
33 61 13 00-0209		EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,206.14	
			For High Density Polyethylene (HDPE) Jacket, Add	*186.11*	
33 61 13 00-0210		EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,595.30	
			For High Density Polyethylene (HDPE) Jacket, Add	*246.33*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0212		EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,163.27	
			For High Density Polyethylene (HDPE) Jacket, Add	*39.65*	
33 61 13 00-0213		EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,223.78	
			For High Density Polyethylene (HDPE) Jacket, Add	*40.58*	
33 61 13 00-0214		EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,539.07	
			For High Density Polyethylene (HDPE) Jacket, Add	*46.18*	
33 61 13 00-0215		EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,800.12	
			For High Density Polyethylene (HDPE) Jacket, Add	*50.38*	
33 61 13 00-0216		EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,045.48	
			For High Density Polyethylene (HDPE) Jacket, Add	*52.48*	
33 61 13 00-0217		EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,345.28	
			For High Density Polyethylene (HDPE) Jacket, Add	*54.58*	
33 61 13 00-0218		EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,871.75	
			For High Density Polyethylene (HDPE) Jacket, Add	*62.97*	
33 61 13 00-0219		EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,517.64	
			For High Density Polyethylene (HDPE) Jacket, Add	*73.47*	
33 61 13 00-0220		EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,629.74	
			For High Density Polyethylene (HDPE) Jacket, Add	*94.46*	
33 61 13 00-0221		EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,313.83	
			For High Density Polyethylene (HDPE) Jacket, Add	*107.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,019.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*155.10*	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,813.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*198.25*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,398.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*262.39*	
33 61 13 00-0225		Reducers *(33 61 13 00-0110)*		
33 61 13 00-0226		Reducers *(33 61 13 00-0225)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,013.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.09*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,042.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.52*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,191.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.07*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,318.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.99*	
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,450.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.94*	
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,624.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.90*	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,874.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.73*	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,182.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.52*	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,697.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*43.10*	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,016.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*48.95*	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,298.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*70.77*	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,662.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*90.46*	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,351.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*119.72*	
33 61 13 00-0240		Reducers *(33 61 13 00-0225)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,080.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.45*	
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,112.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.91*	
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,270.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.65*	
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,404.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.71*	
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,540.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.74*	
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,718.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.77*	
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,982.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.89*	
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,308.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.04*	
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,858.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*46.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,200.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*52.62*	
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,563.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*76.08*	
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,001.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*97.24*	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,799.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*128.70*	
33 61 13 00-0254		**Reducers** *(33 61 13 00-0225)*		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,148.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.80*	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,181.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.29*	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,349.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.23*	
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,490.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.43*	
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,629.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.54*	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,811.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.64*	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,089.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.04*	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,433.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*38.55*	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,020.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*49.56*	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,384.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*56.30*	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,829.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*81.38*	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,340.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*104.02*	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,248.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*137.68*	
33 61 13 00-0268		**Reducers** *(33 61 13 00-0225)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,216.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.16*	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,251.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.68*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,428.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.81*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,576.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.16*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,719.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.33*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,904.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.50*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,197.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.20*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,559.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*41.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,182.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*52.80*	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,567.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*59.97*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,094.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*86.69*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,679.83	
		For High Density Polyethylene (HDPE) Jacket, Add	*110.81*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,697.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*146.66*	
33 61 13 00-0282		**Preinsulated Type K Copper Pipe** *(33 61 13 00-0052)* Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283		**Type K Copper Carrier Pipe** *(33 61 13 00-0282)* Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.08	17.79
		For High Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.34	19.20
		For High Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.09	20.39
		For High Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.75	21.54
		For High Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.02	22.86
		For High Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.71	28.26
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	86.64	34.49
		For High Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	109.84	43.93
		For High Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	136.93	53.80
		For High Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	159.83	63.03
		For High Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	209.26	76.45
		For High Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	261.37	90.63
		For High Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	323.75	111.52
		For High Density Polyethylene (HDPE) Jacket, Add	*3.13*	
33 61 13 00-0297		**Type K Copper Carrier Pipe** *(33 61 13 00-0282)* Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.22	17.79
		For High Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.69	19.20
		For High Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.74	20.39
		For High Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.60	21.54
		For High Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.99	22.86
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	77.95	28.26
		For High Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	90.13	34.49
		For High Density Polyethylene (HDPE) Jacket, Add	*0.77*	

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33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	114.24	43.93
		For High Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	142.56	53.80
		For High Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	166.36	63.03
		For High Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	218.77	76.45
		For High Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	273.92	90.63
		For High Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	339.40	111.52
		For High Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.29	17.79
		For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.87	19.20
		For High Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.07	20.39
		For High Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.02	21.54
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.48	22.86
		For High Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.57	28.26
		For High Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	91.88	34.49
		For High Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	116.44	43.93
		For High Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	145.37	53.80
		For High Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	169.63	63.03
		For High Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	223.53	76.15
		For High Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	280.19	90.63
		For High Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.23	111.52
		For High Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.90	17.79
		For High Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.63	19.20
		For High Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.06	20.39
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.16	21.54
		For High Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.71	22.86
		For High Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	81.99	28.26
		For High Density Polyethylene (HDPE) Jacket, Add	*0.79*	

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33 61 13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	94.50	34.49
		For High Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	119.74	43.93
		For High Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	149.59	53.80
		For High Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	174.53	63.03
		For High Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.66	76.15
		For High Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	289.60	90.63
		For High Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	358.97	111.52
		For High Density Polyethylene (HDPE) Jacket, Add	*3.84*	
33 61 13 00-0339		Preinsulated Copper Fittings *(33 61 13 00-0052)*		
33 61 13 00-0340		Elbows *(33 61 13 00-0339)*		
33 61 13 00-0341		Elbows *(33 61 13 00-0340)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	417.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	567.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	693.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	806.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	941.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,105.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,210.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,688.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,320.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,936.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.30*	
33 61 13 00-0355		Elbows *(33 61 13 00-0340)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	367.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	381.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	439.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.11*	
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	496.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	591.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	718.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	835.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	975.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,148.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,259.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,760.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,412.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,057.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.72*	

33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	385.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	400.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	460.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	519.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	616.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	744.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	864.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,009.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,192.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,309.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,831.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,503.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,178.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	403.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	481.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	542.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	769.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	893.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,043.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,235.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.24*	
33 61 13 00-0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,359.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,903.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,594.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,299.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	519.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	540.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	622.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	704.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	846.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,034.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,204.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,405.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,651.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,806.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,517.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,464.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,380.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	546.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	568.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	653.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	739.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	882.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,072.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,247.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,455.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,716.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,879.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.08*	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,623.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,600.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,559.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*51.56*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	573.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	595.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	685.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	774.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	918.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,109.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,290.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,506.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,781.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,953.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,728.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,733.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,742.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*55.16*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	601.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	623.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	717.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	808.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	954.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,147.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,333.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,556.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,846.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,027.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,835.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.73*	
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,869.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,922.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*58.76*	
33 61 13 00-0454		Reducers *(33 61 13 00-0339)*		
33 61 13 00-0455		Reducers *(33 61 13 00-0454)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	296.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	308.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	356.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	404.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	488.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	702.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	815.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	954.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,043.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,453.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,003.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,527.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.81*	
33 61 13 00-0469		Reducers *(33 61 13 00-0454)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	312.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	324.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	373.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	423.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	508.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	629.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	726.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	843.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	990.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,084.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,512.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,079.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,628.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	327.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	340.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	391.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	442.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	528.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	650.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	750.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	871.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,026.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,125.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,571.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.22*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,155.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.29*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,728.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.83*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0497		**Reducers** *(33 61 13 00-0454)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	409.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.78*	
33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	462.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	548.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	671.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	774.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	899.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,062.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,166.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,631.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,231.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.81*	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,829.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.84*	
33 61 13 00-0511		**Preinsulated Ductile Iron Carrier Pipe** *(33 61 13 00-0052)*		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0512		**Ductile Iron Carrier Pipe** *(33 61 13 00-0511)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	206.40	56.75
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	302.74	81.50
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	413.76	98.47
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	529.02	117.18
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	657.31	144.22
33 61 13 00-0518		**Ductile Iron Carrier Pipe** *(33 61 13 00-0511)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	221.24	56.79
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	324.79	81.50
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	445.86	98.47
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	571.38	117.18
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	710.15	144.23
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	778.74	153.88
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	881.16	164.88
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	995.97	175.88
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,099.06	186.87
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,309.18	203.35

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0529			Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*		
33 61 13 00-0530			Elbows *(33 61 13 00-0529)*		
33 61 13 00-0531			Elbows *(33 61 13 00-0530)*		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,877.27	
	33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,551.94	
	33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,619.23	
	33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,812.57	
	33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,213.98	
33 61 13 00-0537			Elbows *(33 61 13 00-0530)*		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,060.70	
	33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,819.79	
	33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,006.46	
	33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,307.52	
	33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,869.05	
	33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,375.28	
	33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,942.60	
	33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	12,422.68	
	33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	15,728.81	
	33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	20,203.54	
33 61 13 00-0548			Tees *(33 61 13 00-0529)*		
33 61 13 00-0549			Tees *(33 61 13 00-0548)*		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,796.20	
	33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,799.98	
	33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,385.66	
	33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,167.89	
	33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,250.53	
33 61 13 00-0555			Tees *(33 61 13 00-0548)*		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,068.58	
	33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,197.75	
	33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,960.69	
	33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,902.88	
	33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	10,223.33	
	33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	12,287.99	
	33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	14,591.76	
	33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	18,233.29	
	33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	23,094.83	
	33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	29,654.81	
33 61 13 00-0566			Reducers *(33 61 13 00-0529)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0567		**Reducers** *(33 61 13 00-0566)* Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,597.28	
33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,162.59	
33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,063.24	
33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,083.55	
33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,261.64	
33 61 13 00-0573		**Reducers** *(33 61 13 00-0566)* Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,749.52	
33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,384.90	
33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,384.63	
33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,494.35	
33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,805.35	
33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,969.79	
33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,267.39	
33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	10,277.61	
33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	13,085.64	
33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	16,839.79	
33 61 13 00-0584		**Tempered Water Piping Pre-Insulated** *(33 61 13 00-0052)*		
33 61 13 00-0585		**Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation** *(33 61 13 00-0584)*		
33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	179.94	23.28
33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	233.17	25.27
33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	331.14	28.02
33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	459.88	35.03
33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	590.33	43.20
33 61 13 00-0591		**Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation** *(33 61 13 00-0584)*		
33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	77.95	25.27
33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	95.34	25.27
33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	111.78	25.27
33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	133.84	29.87
33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	160.70	37.91
33 61 13 00-0597		**Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation** *(33 61 13 00-0584)*		
33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	77.95	25.27
33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	95.33	25.27
33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	110.62	25.27
33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	133.83	29.87
33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	160.69	37.91

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0002		**Electrical Pull Boxes** *(33 71 19 13-0001)*		
		See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,403.67	514.27
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,908.24	570.04
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,392.74	619.60
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,416.35	743.52
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	5,809.28	743.52
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,264.09	774.50
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,218.08	867.44
33 71 19 13-0010		**Electrical Pull Boxes (CALTRANS)** *(33 71 19 13-0001)*		
33 71 19 13-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	146.19	
33 71 19 13-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	57.24	
33 71 19 13-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.49	
33 71 19 13-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	184.80	
33 71 19 13-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	284.65	
		For Galvanized Steel Cover, Add	*48.34*	
33 71 19 13-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	73.13	
33 71 19 13-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	73.13	
33 71 19 13-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box	209.53	
33 71 19 13-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	76.15	
33 71 19 13-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	107.40	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	376.82	
		For Galvanized Steel Cover, Add	*88.63*	
33 71 19 13-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	102.67	
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	96.17	
33 71 19 13-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box	228.44	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	101.56	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	132.80	
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	516.26	
		For Galvanized Steel Cover, Add	*124.08*	
33 71 19 13-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	121.58	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	114.49	
33 71 19 13-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	157.03	
33 71 19 13-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	319.30	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	452.45	
33 71 19 13-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	145.21	
33 71 19 13-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	133.39	
33 71 19 13-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	417.51	
33 71 19 13-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	653.33	
33 71 19 13-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	173.57	
33 71 19 13-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	168.84	
33 71 19 13-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	590.03	
33 71 19 13-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	913.30	
33 71 19 13-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	291.74	
33 71 19 13-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	227.93	
33 71 19 13-0043		**Precast Concrete Box Extensions** *(33 71 19 13-0001)*		
33 71 19 13-0044	EA	14" x 20" x 12", Precast Concrete Extension	205.70	44.01
33 71 19 13-0045	EA	18" x 28" x 12", Precast Concrete Extension	258.59	55.75
33 71 19 13-0046	EA	24" x 36" x 12", Precast Concrete Extension	338.89	76.28
33 71 19 13-0047	EA	30" x 48" x 12", Precast Concrete Extension	423.07	105.62
33 71 19 13-0048	EA	36" x 60" x 12", Precast Concrete Extension	660.27	129.09
33 71 19 13-0049	EA	36" x 72" x 12", Precast Concrete Extension	872.00	146.69
33 71 19 13-0050	EA	48" x 48" x 12", Precast Concrete Extension	976.02	134.95
33 71 19 13-0051	EA	48" x 60" x 12", Precast Concrete Extension	1,195.55	158.42
33 71 19 13-0052		**Electrical Property Line Boxes** *(33 71 19 13)*		
33 71 19 13-0053	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,152.24	418.23
33 71 19 13-0054	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,064.63	433.72
33 71 19 13-0055	EA	6' x 4' x 5' Deep Property Line Box	6,645.64	526.66
33 71 19 13-0056	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	10,180.61	774.50
33 71 19 13-0057		**Manhole Accessories** *(33 71 19 13)*		
33 71 19 13-0058	EA	6" Precast Grade Ring Riser Casting	472.14	149.55
33 71 19 13-0059	EA	12" Precast Grade Ring Riser Casting	511.36	162.02
33 71 19 13-0060	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,488.01	249.26
33 71 19 13-0061	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	3,249.73	311.57
33 71 19 13-0062	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	1,036.92	166.38
33 71 19 13-0063	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,323.93	186.94

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0001		**Underground Ductbank** *(33 71 19 23)* Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.		
33 71 19 23-0002		**Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank** *(33 71 19 23-0001)* Note: Includes appropriate spacers and fittings.		
33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	37.17	
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	74.38	
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	76.83	
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	154.10	
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	113.14	
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	227.43	
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	341.71	
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	213.65	
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	426.13	
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	655.20	
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	303.48	
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	609.20	
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	906.93	
33 71 19 23-0016		**Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System** *(33 71 19 23-0001)* Note: Includes appropriate spacers and fittings.		
33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.13	
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.84	
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.28	
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	12.18	
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.29	
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	49.24	
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	16.65	
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.35	
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	66.79	
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	100.15	
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.68	
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	43.29	
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	84.27	
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	120.70	
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	37.04	
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	59.24	
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	118.71	
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	189.42	
33 71 19 23-0035		**Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System** *(33 71 19 23-0001)* Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.17	
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	21.98	
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	42.33	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.77	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.52	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	50.81	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.28	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.61	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	69.31	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	103.94	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.63	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.19	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	88.08	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	126.42	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.36	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	61.98	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	124.18	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	197.63	
33 71 19 23-0054		**Male Or Female Adapters** *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	46.74	
33 71 19 23-0056	EA	3" Adapter	72.52	
33 71 19 23-0057	EA	4" Adapter	95.56	
33 71 19 23-0058	EA	5" Adapter	162.18	
33 71 19 23-0059	EA	6" Adapter	196.97	
33 71 19 23-0060		**Underground Electrical Concrete Markers** *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	367.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 01 Operation and Maintenance of Transportation *(34)*

34 01 23 Operation and Maintenance of Railways *(34 01)*

34 01 23 33 Track Realignment *(34 01 23)*

34 01 23 33-0001 Realign Railroad Track *(34 01 23 33)*

34 01 23 33-0002	LF	Removal Of Track Rails and Ties And Re-Install Including New Bolts And Spikes	108.82
34 01 23 33-0003	EA	Removal Of Railroad Track Turnouts And Re-install Including New Bolts And Spikes	5,307.88

34 01 43 Operation and Maintenance of Bridges *(34 01)*

34 01 43 00-0001 Repair Of Bridge Posts *(34 01 43)*

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	39.69
34 01 43 00-0003	EA	Removal And Replacement Of Concrete Post, 20" x 20" Square, 36" To 42" High Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.	2,083.28
34 01 43 00-0004	EA	Repair Bearing Pad	744.39

34 01 43 00-0005 Repair Of Bridge Rails *(34 01 43)*

34 01 43 00-0006	EA	Repair Concrete Rail Supports	382.39
34 01 43 00-0007	LF	Repair Guardrail	143.40
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	239.00
34 01 43 00-0009	LF	Repair Bridge Rail	92.09
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	48.76
34 01 43 00-0011	LF	Removal And Replacement Of 1-1/2" Galvanized Metal Rail	59.66
34 01 43 00-0012	LF	Removal And Replacement Of 2-1/2" Galvanized Metal Rail	82.80
34 01 43 00-0013	LF	Removal And Replacement Of 3" Galvanized Metal Rail	95.40

34 01 43 00-0014 Repair Of Bridge *(34 01 43)*

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	23.19

34 05 Common Work Results for Transportation *(34)*

34 05 43 Common Work Results for Bridges *(34 05)*

34 05 43 00-0001 Mobilize Bridge Crew *(34 05 43)*
Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew	1,305.54

34 05 43 00-0003 Remove And Patch Bridge And Structures Concrete *(34 05 43)*
Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork, cement/concrete as listed, finish and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.

34 05 43 00-0004 Remove And Patch Decks Or Floors *(34 05 43 00-0003)*
Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0005	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material	2,461.12
34 05 43 00-0006	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material	104.39
34 05 43 00-0007	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	2,538.77
34 05 43 00-0008	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	109.24
34 05 43 00-0009	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,521.59
34 05 43 00-0010	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	108.17
34 05 43 00-0011	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	3,837.62
		For Owner Furnished Material, Deduct	*-1,613.02*
34 05 43 00-0012	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	190.42
		For Owner Furnished Material, Deduct	*-100.81*

34 05 43 00-0013 Remove And Patch Verticals Or Overheads *(34 05 43 00-0003)*
Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0014	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	2,900.49
34 05 43 00-0015	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	126.37
34 05 43 00-0016	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	2,978.14
34 05 43 00-0017	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	131.22
34 05 43 00-0018	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,960.96
34 05 43 00-0019	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	130.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0020	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	4,276.99	
		For Owner Furnished Material, Deduct	*-1,613.02*	
34 05 43 00-0021	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	212.40	
		For Owner Furnished Material, Deduct	*-100.81*	
34 05 43 00-0022		**Remove And Patch Pier Caps And Pedestals** *(34 05 43 00-0003)*		
		Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	3,339.86	
34 05 43 00-0024	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	142.84	
34 05 43 00-0025	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	3,417.51	
34 05 43 00-0026	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	147.69	
34 05 43 00-0027	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	3,400.33	
34 05 43 00-0028	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	146.62	
34 05 43 00-0029	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	4,716.36	
		For Owner Furnished Material, Deduct	*-1,613.02*	
34 05 43 00-0030	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	228.87	
		For Owner Furnished Material, Deduct	*-100.81*	
34 05 43 00-0031		**Remove And Patch Circular Piers** *(34 05 43 00-0003)*		
		Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	3,998.92	
34 05 43 00-0033	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	159.31	
34 05 43 00-0034	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	4,076.57	
34 05 43 00-0035	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	164.16	
34 05 43 00-0036	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	4,059.39	
34 05 43 00-0037	SF	Remove And Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	184.38	
34 05 43 00-0038	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	5,375.42	
		For Owner Furnished Material, Deduct	*-1,613.02*	
34 05 43 00-0039	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	245.34	
		For Owner Furnished Material, Deduct	*-100.81*	
34 05 43 00-0040		**Fiber Reinforced Shotcrete Repair For Bridges** *(34 05 43)*		
34 05 43 00-0041	EA	Mobilize Fiber Reinforced Shotcrete Repair Crew	862.83	
34 05 43 00-0042	SF	Up to 2" Thick, Fiber Reinforced Shotcrete Repair	66.03	
		For Up To 25, Add	*32.36*	
		For >25 To 50, Add	*16.18*	
		For >50 To 150, Add	*6.47*	
34 05 43 00-0043	SF	>2" To 4" Thick, Fiber Reinforced Shotcrete Repair	78.13	
		For Up To 25, Add	*37.76*	
		For >25 To 50, Add	*18.88*	
		For >50 To 150, Add	*7.55*	
34 05 43 00-0044	SF	>4" To 6" Thick, Fiber Reinforced Shotcrete Repair	90.21	
		For Up To 25, Add	*43.15*	
		For >25 To 50, Add	*21.57*	
		For >50 To 150, Add	*8.63*	
34 05 43 00-0045		**Bridge Railing** *(34 05 43)*		
34 05 43 00-0046		**Remove And Store Bridge Railings** *(34 05 43 00-0045)*		
34 05 43 00-0047	LF	Removal And Storage Of One Rail Bridge Railing	7.43	
34 05 43 00-0048	LF	Removal And Storage Of Two Rail Bridge Railing	14.85	
34 05 43 00-0049	LF	Removal And Storage Of Three Rail Bridge Railing	22.28	
34 05 43 00-0050	LF	Removal And Storage Of Four Rail Bridge Railing	29.70	
34 05 43 00-0051		**Install Stored Or Supplied Bridge Railings** *(34 05 43 00-0045)*		
34 05 43 00-0052	LF	Install Stored Or Supplied One Rail Bridge Railing	62.57	
34 05 43 00-0053	LF	Install Stored Or Supplied Two Rail Bridge Railing	125.14	
34 05 43 00-0054	LF	Install Stored Or Supplied Three Rail Bridge Railing	187.71	
34 05 43 00-0055	LF	Install Stored Or Supplied Four Rail Bridge Railing	250.29	
34 05 43 00-0056		**Bridge Bearings** *(34 05 43)*		
		Note: Excludes drilling and anchor bolts.		
34 05 43 00-0057		**Elastomeric Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0058	EA	Plain Elastomeric, Type EP Bearing, 716-10, All Loads	1,192.68	319.72
34 05 43 00-0059	EA	Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,785.30	639.44
		For >100K To 250K Load, Add	*90.61*	
		For >250K To 500K Load, Add	*181.21*	
		For >500K To 750K Load, Add	*271.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0060	EA	Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K	4,067.26	959.17
		For >100K To 250K Load, Add	*274.84*	
		For >250K To 500K Load, Add	*549.68*	
		For >500K To 750K Load, Add	*824.52*	
34 05 43 00-0061		**Fixed Structural Pot Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0062	EA	100K To 250K Fixed Structural Pot Bearing	3,580.64	
34 05 43 00-0063	EA	>250K To 500K Fixed Structural Pot Bearing	5,469.99	
34 05 43 00-0064	EA	>500K To 750K Fixed Structural Pot Bearing	7,359.30	
34 05 43 00-0065		**Universal Structural Expansion Pot Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0066	EA	100K To 250K Universal Structural Pot Bearing	4,439.19	
34 05 43 00-0067	EA	>250K To 500K Universal Structural Pot Bearing	6,788.46	
34 05 43 00-0068	EA	>500K To 750K Universal Structural Pot Bearing	9,141.70	
34 05 43 00-0069		**Guided Structural Expansion Pot Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0070	EA	100K To 250K Guided Structural Pot Bearing	4,597.51	
34 05 43 00-0071	EA	>250K To 500K Guided Structural Pot Bearing	7,025.88	
34 05 43 00-0072	EA	>500K To 750K Guided Structural Pot Bearing	9,458.26	
34 05 43 00-0073		**Remove, Repair And Install Bridge Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0074		**Remove Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0075	EA	100K To 250K Structural Bearing Removal	459.60	
34 05 43 00-0076	EA	>250K To 500K Structural Bearing Removal	919.21	
34 05 43 00-0077	EA	>500K To 750K Structural Bearing Removal	1,378.81	
34 05 43 00-0078		**Install And Set Supplied Or Restored Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0079	EA	100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	689.40	
34 05 43 00-0080	EA	>250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,378.81	
34 05 43 00-0081	EA	>500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	2,068.21	
34 05 43 00-0082		**Power Wash And Paint Structural Bearings** *(34 05 43 00-0073)*		
		Note: Includes bearing plates.		
34 05 43 00-0083	EA	100K To 250K Structural Bearing - Power Wash And Paint	1,075.65	
34 05 43 00-0084	EA	>250K To 500K Structural Bearing - Power Wash And Paint	1,215.26	
34 05 43 00-0085	EA	>500K To 750K Structural Bearing - Power Wash And Paint	1,354.85	
34 05 43 00-0086		**Power Wash, Mechanically Clean And Paint Structural Bearings** *(34 05 43 00-0073)*		
		Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0087	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,430.95	
		For Vacuum Contained Cleaning, Add	*355.26*	
34 05 43 00-0088	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,614.91	
		For Vacuum Contained Cleaning, Add	*399.66*	
34 05 43 00-0089	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,798.47	
		For Vacuum Contained Cleaning, Add	*443.95*	
34 05 43 00-0090		**Power Wash And Paint Only Bearing Plates** *(34 05 43 00-0073)*		
34 05 43 00-0091	EA	100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates	671.04	
34 05 43 00-0092	EA	>250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates	807.45	
34 05 43 00-0093	EA	>500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates	943.87	
34 05 43 00-0094		**Power Wash, Mechanically Clean And Paint Only Bearing Plates** *(34 05 43 00-0073)*		
34 05 43 00-0095	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	894.89	
		For Vacuum Contained Cleaning, Add	*222.04*	
34 05 43 00-0096	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,073.88	
		For Vacuum Contained Cleaning, Add	*266.44*	
34 05 43 00-0097	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,252.49	
		For Vacuum Contained Cleaning, Add	*310.73*	
34 05 43 00-0098		**Sand Blast And Paint Structural Bearings** *(34 05 43 00-0073)*		
		Note: Includes bearing plates.		
34 05 43 00-0099	EA	100K To 250K Structural Bearing - Sand Blast And Paint	1,715.11	
		For Vacuum Contained Cleaning, Add	*426.30*	
34 05 43 00-0100	EA	>250K To 500K Structural Bearing - Sand Blast And Paint	1,934.63	
		For Vacuum Contained Cleaning, Add	*479.59*	
34 05 43 00-0101	EA	>500K To 750K Structural Bearing - Sand Blast And Paint	2,154.16	
		For Vacuum Contained Cleaning, Add	*532.87*	
34 05 43 00-0102		**Sand Blast And Paint Only Bearing Plates** *(34 05 43 00-0073)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0103	EA	100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,072.46	
		For Vacuum Contained Cleaning, Add	*266.44*	
34 05 43 00-0104	EA	>250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,287.04	
		For Vacuum Contained Cleaning, Add	*319.73*	
34 05 43 00-0105	EA	>500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,501.61	
		For Vacuum Contained Cleaning, Add	*373.01*	
34 05 43 00-0106		**Grease Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0107	EA	100K To 250K Structural Bearing - Grease	66.61	
34 05 43 00-0108	EA	>250K To 500K Structural Bearing - Grease	99.91	
34 05 43 00-0109	EA	>500K To 750K Structural Bearing - Grease	133.22	
34 05 43 00-0110		**Replace Bronze Plate Wearing Pad** *(34 05 43 00-0073)*		
34 05 43 00-0111	SF	Removal And Replacement Of Bronze Plate Wearing Pad	458.82	
34 05 43 00-0112		**Bridge Bearing Rivet Removal** *(34 05 43 00-0073)*		
		See CSI section 02 41 19 13-0082 for reaming of hole, 34 05 43 00-0272 for anchors and grouting.		
34 05 43 00-0113	EA	Bridge Bearing Rivet Removal	266.43	
34 05 43 00-0114		**Bridge Pintels, Side Keeper, And Shim Plates** *(34 05 43)*		
34 05 43 00-0115	EA	Removal And Replacement Of Bridge Pintel	280.84	
34 05 43 00-0116	EA	Removal And Replacement Of Bridge Side Keeper	286.86	
34 05 43 00-0117	EA	Refabricate And Install Shim Plates At One Bearing	171.52	
34 05 43 00-0118	EA	Refabricate And Install Beveled Shim Plates At One Bearing	171.52	
34 05 43 00-0119	EA	Refabricate And Install Finger Shim Plates At One Bearing	171.52	
34 05 43 00-0120		**Vertical Jacking And Lifting For Bridges** *(34 05 43)*		
		Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		
34 05 43 00-0121		**Mobilize Jacking Crew And Equipment** *(34 05 43 00-0120)*		
		Note: Includes removing equipment after completion.		
34 05 43 00-0122	EA	Mobilize Bridge Jacking Crew and Equipment	2,397.93	
		For Temporary Support Mobilization, Add	*4,795.86*	
34 05 43 00-0123		**Vertical Jacking And Lifting Per Point of Contact** *(34 05 43 00-0120)*		
		Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0124	EA	Up To 10 Ton Jack, Per Point Of Contact	399.66	
		For Synchronized Lift, Add	*79.93*	
		For Jacking From Temporary Support, Add	*159.86*	
34 05 43 00-0125	EA	>10 To 20 Ton Jack, Per Point Of Contact	466.27	
		For Synchronized Lift, Add	*93.25*	
		For Jacking From Temporary Support, Add	*186.51*	
34 05 43 00-0126	EA	>20 To 40 Ton Jack, Per Point Of Contact	532.88	
		For Synchronized Lift, Add	*106.58*	
		For Jacking From Temporary Support, Add	*213.15*	
34 05 43 00-0127	EA	>40 To 60 Ton Jack, Per Point Of Contact	599.48	
		For Synchronized Lift, Add	*119.90*	
		For Jacking From Temporary Support, Add	*239.79*	
34 05 43 00-0128	EA	>60 To 80 Ton Jack, Per Point Of Contact	666.09	
		For Synchronized Lift, Add	*133.22*	
		For Jacking From Temporary Support, Add	*266.44*	
34 05 43 00-0129	EA	>80 To 100 Ton Jack, Per Point Of Contact	732.70	
		For Synchronized Lift, Add	*146.54*	
		For Jacking From Temporary Support, Add	*293.08*	
34 05 43 00-0130	EA	>100 To 120 Ton Jack, Per Point Of Contact	799.31	
		For Synchronized Lift, Add	*159.86*	
		For Jacking From Temporary Support, Add	*319.72*	
34 05 43 00-0131	EA	>120 To 140 Ton Jack, Per Point Of Contact	832.61	
		For Synchronized Lift, Add	*166.52*	
		For Jacking From Temporary Support, Add	*333.04*	
34 05 43 00-0132	EA	>140 To 160 Ton Jack, Per Point Of Contact	865.92	
		For Synchronized Lift, Add	*173.18*	
		For Jacking From Temporary Support, Add	*346.37*	
34 05 43 00-0133	EA	>160 To 250 Ton Jack, Per Point Of Contact	865.92	
		For Synchronized Lift, Add	*173.18*	
		For Jacking From Temporary Support, Add	*346.37*	
34 05 43 00-0134	EA	>250 To 300 Ton Jack, Per Point Of Contact	932.53	
		For Synchronized Lift, Add	*186.51*	
		For Jacking From Temporary Support, Add	*373.01*	
34 05 43 00-0135	EA	>300 To 400 Ton Jack, Per Point Of Contact	999.13	
		For Synchronized Lift, Add	*199.83*	
		For Jacking From Temporary Support, Add	*399.65*	
34 05 43 00-0136	EA	>400 To 500 Ton Jack, Per Point Of Contact	1,065.74	
		For Synchronized Lift, Add	*213.15*	
		For Jacking From Temporary Support, Add	*426.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0137	EA	>500 To 600 Ton Jack, Per Point Of Contact	1,132.35	
		For Synchronized Lift, Add	*226.47*	
		For Jacking From Temporary Support, Add	*452.94*	

34 05 43 00-0138 Daily Charge For Vertical Jacking Equipment *(34 05 43 00-0120)*

Note: Includes hydraulics and synchronizing equipment.

34 05 43 00-0139	DAY	Up To 10 Ton Jacking Equipment Charge By The Day	21.12
34 05 43 00-0140	DAY	>10 To 20 Ton Jacking Equipment Charge By The Day	42.25
34 05 43 00-0141	DAY	>20 To 40 Ton Jacking Equipment Charge By The Day	84.49
34 05 43 00-0142	DAY	>40 To 60 Ton Jacking Equipment Charge By The Day	126.74
34 05 43 00-0143	DAY	>60 To 80 Ton Jacking Equipment Charge By The Day	168.98
34 05 43 00-0144	DAY	>80 To 100 Ton Jacking Equipment Charge By The Day	211.23
34 05 43 00-0145	DAY	>100 To 120 Ton Jacking Equipment Charge By The Day	253.47
34 05 43 00-0146	DAY	>120 To 140 Ton Jacking Equipment Charge By The Day	295.72
34 05 43 00-0147	DAY	>140 To 160 Ton Jacking Equipment Charge By The Day	337.97
34 05 43 00-0148	DAY	>160 To 250 Ton Jacking Equipment Charge By The Day	385.65
34 05 43 00-0149	DAY	>250 To 300 Ton Jacking Equipment Charge By The Day	439.64
34 05 43 00-0150	DAY	>300 To 400 Ton Jacking Equipment Charge By The Day	556.88
34 05 43 00-0151	DAY	>400 To 500 Ton Jacking Equipment Charge By The Day	661.28
34 05 43 00-0152	DAY	>500 To 600 Ton Jacking Equipment Charge By The Day	753.89

34 05 43 00-0153 Temporary Shoring *(34 05 43 00-0120)*

Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.

34 05 43 00-0154 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0155	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	3,329.10
34 05 43 00-0156	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,390.00
34 05 43 00-0157	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	425.81

34 05 43 00-0158 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0159	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	3,472.11
34 05 43 00-0160	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,264.95
34 05 43 00-0161	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	408.47

34 05 43 00-0162 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0163	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,354.81
34 05 43 00-0164	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	1,129.48
34 05 43 00-0165	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	260.04

34 05 43 00-0166 HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0167	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	6,129.77
34 05 43 00-0168	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	3,502.61
34 05 43 00-0169	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	699.93

34 05 43 00-0170 Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring *(34 05 43 00-0153)*

Note: Excludes mats. See CSI section 01 22 23 00-0587 for mats.

34 05 43 00-0171	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup Note: Excludes mats.	6,197.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0172	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation Note: Excludes mats.	2,194.12	
34 05 43 00-0173	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal Note: Excludes mats.	1,068.32	
34 05 43 00-0174		**Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring** *(34 05 43 00-0153)* Note: Excludes mats. See CSI section 01 22 23 00-0587 for mats.		
34 05 43 00-0175	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,631.10	
34 05 43 00-0176	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation Note: Excludes mats.	659.20	
34 05 43 00-0177	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal Note: Excludes mats.	366.22	
34 05 43 00-0178		**MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0179	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Setup	3,785.30	
34 05 43 00-0180	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation	3,539.03	
34 05 43 00-0181	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal	357.55	
34 05 43 00-0182		**MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0183	EA	WT15x74 Attached To Abutment Face, Temporary Shoring Setup	2,522.41	
34 05 43 00-0184	EA	WT15x74 Attached To Abutment Face, Temporary Shoring Relocation	2,325.15	
34 05 43 00-0185	EA	WT15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal	294.71	
34 05 43 00-0186		**Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0187	EA	Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Setup Note: Left in place.	1,453.88	
34 05 43 00-0188		**Temporary Bridge Shoring Components** *(34 05 43 00-0153)* Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0060 for temporary lumber.		
34 05 43 00-0189		**Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring** *(34 05 43 00-0188)* Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190	LF	Fabricate And Install MC7 x 19.1 For Temorary Bridge Shoring Note: Remove after use.	102.58	
34 05 43 00-0191	LF	Fabricate And Install MC18 x 51.9 For Temorary Bridge Shoring Note: Remove after use.	226.70	
34 05 43 00-0192	LF	Fabricate And Install HP12 x 53 For Temorary Bridge Shoring Note: Remove after use.	180.05	
34 05 43 00-0193	LF	Fabricate And Install HP12 x 63 For Temorary Bridge Shoring Note: Remove after use.	202.22	
34 05 43 00-0194	LF	Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	25.63	
		For Galvanized Steel, Add	*6.63*	
34 05 43 00-0195	LF	Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	32.69	
		For Galvanized Steel, Add	*9.02*	
34 05 43 00-0196	LF	Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	66.37	
		For Galvanized Steel, Add	*20.40*	
34 05 43 00-0197	LF	Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	57.63	
		For Galvanized Steel, Add	*18.27*	
34 05 43 00-0198	LF	Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring Note: Remove after use.	76.26	
		For Galvanized Steel, Add	*24.18*	
34 05 43 00-0199	SF	Fabricate And Install 5/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	105.55	
		For A50 Grade Steel, Add	*3.23*	
34 05 43 00-0200	SF	Fabricate And Install 7/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	147.76	
		For A50 Grade Steel, Add	*4.52*	
34 05 43 00-0201	SF	Fabricate And Install 1-3/8" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	232.21	
		For A50 Grade Steel, Add	*7.11*	
34 05 43 00-0202	SF	Fabricate And Install 1-1/2" A36 Steel Plates For Temorary Bridge Shoring Note: Remove after use.	253.33	
		For A50 Grade Steel, Add	*7.76*	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0203		Relocate Temporary Steel Bridge Shoring *(34 05 43 00-0188)*		
		Note: Includes removal after use.		
34 05 43 00-0204	EA	Relocate Complete Temporary Steel Bridge Shoring	4,681.50	
		Note: Remove after use. Includes relocating support matts. Excludes anchors, bolts or additional steel if required.		
34 05 43 00-0205	SF	Relocate 1-3/8" A36 Steel Plates For Temorary Bridge Shoring	90.04	
		Note: Remove after use.		
34 05 43 00-0206	LF	Relocate HP12 x 63 For Temorary Bridge Shoring	74.90	
		Note: Remove after use.		
34 05 43 00-0207	LF	Relocate 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring	14.94	
		Note: Remove after use.		
34 05 43 00-0208	LF	Relocate 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring	18.14	
		Note: Remove after use.		
34 05 43 00-0209	LF	Relocate 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring	37.26	
		Note: Remove after use.		
34 05 43 00-0210	SF	Relocate 7/8" A36 Steel Plates For Temorary Bridge Shoring	57.29	
		Note: Remove after use.		
34 05 43 00-0211	LF	Relocate MC7 x 19.1 For Temorary Bridge Shoring	43.43	
		Note: Remove after use.		
34 05 43 00-0212	LF	Relocate HP12 x 53 For Temorary Bridge Shoring	73.35	
		Note: Remove after use.		
34 05 43 00-0213	SF	Relocate 5/8" A36 Steel Plates For Temorary Bridge Shoring	40.93	
		Note: Remove after use.		
34 05 43 00-0214	LF	Relocate 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring	33.47	
		Note: Remove after use.		
34 05 43 00-0215	SF	Relocate 1-1/2" A36 Steel Plates For Temorary Bridge Shoring	98.23	
		Note: Remove after use.		
34 05 43 00-0216	LF	Relocate MC18 x 51.9 For Temorary Bridge Shoring	125.36	
		Note: Remove after use.		
34 05 43 00-0217	LF	Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring	28.16	
		Note: Remove after use.		
34 05 43 00-0218		Pier Caps And Pedestal Replacement For Bridges *(34 05 43)*		
		See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0219	SF	Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas For Bridges	26.66	
34 05 43 00-0220	CWT	Rebar For Pier Cap Or Pedestals For Bridges	463.90	
34 05 43 00-0221	CY	Pour Pedestals For Bridges	382.85	
34 05 43 00-0222	CY	Demolish Concrete Pedestals For Bridges	4,548.52	
34 05 43 00-0223	CY	Pour Pier Cap For Bridges	453.31	
34 05 43 00-0224	CY	Demolish Concrete Pier Cap For Bridges	5,230.29	
34 05 43 00-0225		Bridge Deck Repair *(34 05 43)*		
34 05 43 00-0226		Remove Existing Steel Joint System *(34 05 43 00-0225)*		
34 05 43 00-0227	LF	Removal Of Existing Steel Joint System	65.01	
34 05 43 00-0228		Break-Up And Remove Bridge Decking By Machine *(34 05 43 00-0225)*		
		Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0059 for saw cutting.		
34 05 43 00-0229	SY	Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine	22.20	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000 To 2,500, Deduct	*-4.00*	
		For >2,500 To 5,000, Deduct	*-5.77*	
		For >5,000 To 10,000, Deduct	*-7.55*	
		For >10,000, Deduct	*-9.32*	
34 05 43 00-0230	SY	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine	30.31	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000 To 2,500, Deduct	*-5.46*	
		For >2,500 To 5,000, Deduct	*-7.88*	
		For >5,000 To 10,000, Deduct	*-10.31*	
		For >10,000, Deduct	*-12.73*	
34 05 43 00-0231	SY	Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine	36.77	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000 To 2,500, Deduct	*-6.62*	
		For >2,500 To 5,000, Deduct	*-9.56*	
		For >5,000 To 10,000, Deduct	*-12.50*	
		For >10,000, Deduct	*-15.44*	
34 05 43 00-0232	SY	Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	47.27	
		For >500 To 1,000, Deduct	*-4.73*	
		For >1,000 To 2,500, Deduct	*-8.51*	
		For >2,500 To 5,000, Deduct	*-12.29*	
		For >5,000 To 10,000, Deduct	*-16.07*	
		For >10,000, Deduct	*-19.85*	
34 05 43 00-0233	SY	Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	84.52	
		For >500 To 1,000, Deduct	*-8.45*	
		For >1,000 To 2,500, Deduct	*-15.21*	
		For >2,500 To 5,000, Deduct	*-21.98*	
		For >5,000 To 10,000, Deduct	*-28.74*	
		For >10,000, Deduct	*-35.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0234	SY	Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	110.31	
		For >500 To 1,000, Deduct	*-11.03*	
		For >1,000 To 2,500, Deduct	*-19.86*	
		For >2,500 To 5,000, Deduct	*-28.68*	
		For >5,000 To 10,000, Deduct	*-37.51*	
		For >10,000, Deduct	*-46.33*	
34 05 43 00-0235	SY	Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	144.20	
		For >500 To 1,000, Deduct	*-14.42*	
		For >1,000 To 2,500, Deduct	*-25.96*	
		For >2,500 To 5,000, Deduct	*-37.49*	
		For >5,000 To 10,000, Deduct	*-49.03*	
		For >10,000, Deduct	*-60.56*	
34 05 43 00-0236	SY	Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	175.01	
		For >500 To 1,000, Deduct	*-17.50*	
		For >1,000 To 2,500, Deduct	*-31.50*	
		For >2,500 To 5,000, Deduct	*-45.50*	
		For >5,000 To 10,000, Deduct	*-59.50*	
		For >10,000, Deduct	*-73.50*	

34 05 43 00-0237 Break-Up And Remove Bridge Decking By Hand *(34 05 43 00-0225)*

Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0059 for saw cutting.

34 05 43 00-0238	SF	Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	14.58
34 05 43 00-0239	SF	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	19.18
34 05 43 00-0240	SF	Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	24.94
34 05 43 00-0241	SF	Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	18.22
34 05 43 00-0242	SF	Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	22.77
34 05 43 00-0243	SF	Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	27.34
34 05 43 00-0244	SF	Chipping And Cleaning Of Bridge Deck After Break-up And Removals	5.84

34 05 43 00-0245 Hydro Blasting Of Bridge Decks *(34 05 43 00-0225)*

Note: Excludes hauling and disposal of water and debris.

34 05 43 00-0246	EA	Mobilization Of Hydro Blasting Equipment Note: Includes trailer with power, hydro milling machine, vacuum machine.	14,280.40
34 05 43 00-0247	EA	Mobilization Of Hydro Blasting Equipment Note: Includes water tank, pump and miscellaneous fittings.	1,854.60
34 05 43 00-0248	SF	Hydroblasting Of Up To 2-1/2" Of Bridge Decks	12.20
34 05 43 00-0249	SF	Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting	9.02
34 05 43 00-0250	SF	Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum Up To 2-1/2"	2.23
34 05 43 00-0251	SF	Hydroblasting 3" To 4-1/2" Of Bridge Decks	18.04
34 05 43 00-0252	SF	Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydroblasting	12.20
34 05 43 00-0253	SF	Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum 3" To 4-1/2"	5.84
34 05 43 00-0254	GAL	Water For Hydro Blasting Note: Includes delivery.	0.18

34 05 43 00-0255 Patch For Bridge Deck *(34 05 43 00-0225)*

34 05 43 00-0256	CF	Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Deck Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	129.10
34 05 43 00-0257	CF	Polyester-Based Polymer Patch For Bridge Deck Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	106.35
34 05 43 00-0258	SF	Hand Placed Hot Mixed Asphal Repair For Bridge Approach Note: Includes removal of HMA, tack coat, and installation of HMA and compaction by roller.	25.58

34 05 43 00-0259 Pressure Washing For Bridge Deck *(34 05 43 00-0225)*

34 05 43 00-0260	SF	Pressure Washing For Bridge Deck Note: Includes pressure washer and water.	0.10

34 05 43 00-0261 Galvanic Anodes For Bridges *(34 05 43)*

34 05 43 00-0262	EA	2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) Note: Corrosion prevention only (preventing the initiation of corrosion).	58.13
34 05 43 00-0263	EA	4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) Note: Corrosion prevention only (preventing the initiation of corrosion).	58.13
34 05 43 00-0264	EA	2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	66.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0265	EA	4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	72.80	
34 05 43 00-0266	EA	2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	66.46	
34 05 43 00-0267	EA	1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	68.57	
34 05 43 00-0268	EA	1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	83.35	
34 05 43 00-0269	EA	1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	77.02	
34 05 43 00-0270		**Bridge Netting Panels** *(34 05 43)*		
34 05 43 00-0271	SF	Bridge Netting Panel Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.	9.87	
		For Up To 160, Add	*9.28*	
		For >160 To 320, Add	*4.64*	
		For >320 To 480, Add	*2.32*	
		For >2,000 To 10,000, Deduct	*-0.44*	
		For >10,000 To 25,000, Deduct	*-0.87*	
		For >25,000, Deduct	*-1.31*	
34 05 43 00-0272		**Anchors For Bridges** *(34 05 43)* Note: Excludes core drilling. See CSI section 02 41 19 13-0082 for core drilling.		
34 05 43 00-0273		**Threaded Rod, A449** *(34 05 43 00-0272)*		
34 05 43 00-0274	LF	7/8" Diameter Continuous Threaded Rod, A449	20.96	
34 05 43 00-0275	LF	1" Diameter Continuous Threaded Rod, A449	24.94	
34 05 43 00-0276	LF	1-1/8" Diameter Continuous Threaded Rod, A449	28.90	
34 05 43 00-0277	LF	1-1/4" Diameter Continuous Threaded Rod, A449	36.51	
34 05 43 00-0278		**Flat Washers, F436** *(34 05 43 00-0272)*		
34 05 43 00-0279	EA	7/8" Flat Washer, F436	2.25	
34 05 43 00-0280	EA	1" Flat Washer, F436	2.62	
34 05 43 00-0281	EA	1-1/8" Flat Washer, F436	2.88	
34 05 43 00-0282	EA	1-1/4" Flat Washer, F436	3.28	
34 05 43 00-0283		**Heavy Hex Nut, A194** *(34 05 43 00-0272)*		
34 05 43 00-0284	EA	7/8" Hex Nut, A194	4.55	
34 05 43 00-0285	EA	1" Hex Nut, A194	6.18	
34 05 43 00-0286	EA	1-1/8" Hex Nut, A194	7.34	
34 05 43 00-0287	EA	1-1/4" Hex Nut, A194	8.78	
34 05 43 00-0288		**Grout For Threaded Rod** *(34 05 43 00-0272)*		
34 05 43 00-0289	IN	Grout 7/8" Rod In Hole	3.34	
34 05 43 00-0290	IN	Grout 1" Rod In Hole	3.80	
34 05 43 00-0291	IN	Grout 1-1/8" Rod In Hole	4.45	
34 05 43 00-0292	IN	Grout 1-1/4" Rod In Hole	5.32	
34 05 43 00-0293		**Test Grouted Anchor** *(34 05 43 00-0272)*		
34 05 43 00-0294	EA	Test Grouted Anchor	35.55	
34 05 43 00-0295		**Removal Of Fasteners Or Anchors In Concrete** *(34 05 43 00-0272)* Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0296	EA	Drill Out 3/8" Diameter Fastener/Anchor In Concrete	30.69	
34 05 43 00-0297	EA	Drill Out 1/2" Diameter Fastener/Anchor In Concrete	32.99	
34 05 43 00-0298	EA	Drill Out 9/16" Diameter Fastener/Anchor In Concrete	34.55	
34 05 43 00-0299	EA	Drill Out 5/8" Diameter Fastener/Anchor In Concrete	37.55	
34 05 43 00-0300	EA	Drill Out 3/4" Diameter Fastener/Anchor In Concrete	41.06	
34 05 43 00-0301	EA	Drill Out 7/8" Diameter Fastener/Anchor In Concrete	45.40	
34 05 43 00-0302	EA	Drill Out 1" Diameter Fastener/Anchor In Concrete	48.01	
34 05 43 00-0303	EA	Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete	51.08	
34 05 43 00-0304	EA	Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete	54.90	
34 05 43 00-0305	EA	Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete	61.63	

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SAN BERNARDINO COUNTY

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0306		**Bridge Surfacing** *(34 05 43)*		
34 05 43 00-0307		**Bridge Coatings** *(34 05 43 00-0306)*		
		Note: Includes sweeping of bridge deck.		
34 05 43 00-0308	SF	Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats)	1.22	
		Note: Includes power washing and drying after power washing.		
34 05 43 00-0309	SF	Protective Seal Coat For Existing Bridge Decks	2.32	
34 05 43 00-0310	SF	Penetrating Sealer For Existing Bridge Decks	3.79	
34 05 43 00-0311		**Bridge Membranes** *(34 05 43 00-0306)*		
		Note: Excludes abrasive blasting of deck.		
34 05 43 00-0312	SF	Spray Applied Waterproofing Membrane For Bridge Decks	14.66	
34 05 43 00-0313	SF	Sheet Applied Waterproofing Membrane For Bridge Decks	4.22	
34 05 43 00-0314		**Sealer And Overlay For Bridge Deck** *(34 05 43 00-0306)*		
		Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0315	SY	Shot Blasting Bridge Decks	14.56	
		Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0316	SY	Thin Polymer (Epoxy) Overlay For Bridge Deck	92.11	
		Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0317	SY	3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	171.19	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0318	SY	1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	195.30	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0319	SY	1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	249.45	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0320	SY	2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	303.59	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0321	SY	2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	357.74	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0322	SY	3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	411.89	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0323		**Broadcast Silica Sand** *(34 05 43 00-0306)*		
		Note: Includes removing loose sand.		
34 05 43 00-0324	SF	Broadcast Silica Sand	0.30	
34 05 43 00-0325		**Sweeping And Cleaning Of Bridge Deck** *(34 05 43 00-0306)*		
		See CSI section 01 22 23 00-1483 for water trucks, 01 22 23 00-1508 for vacuum sweeper trucks.		
34 05 43 00-0326		**Concrete Overlay For Bridge Deck** *(34 05 43 00-0306)*		
		Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0327	SY	3" Concrete Overlay For Bridge Deck	179.73	
		For DOT Class DP, Add	*30.24*	
		For DOT Class E, Add	*9.87*	
		For DOT Class HP, Add	*28.87*	
34 05 43 00-0328		**Bridge Roadway Grooving** *(34 05 43 00-0306)*		
34 05 43 00-0329	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	4,158.92	
34 05 43 00-0330	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	6.73	
34 05 43 00-0331	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	4,633.18	
34 05 43 00-0332	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	8.78	
34 05 43 00-0333		**Gravity Fed Concrete Crack Repair** *(34 05 43 00-0306)*		
		Note: Includes removing loose materials and cleaning.		
34 05 43 00-0334	LF	Epoxy Low Viscosity Gravity Fed Concrete Crack Repair	3.73	
34 05 43 00-0335	LF	HMWM Low Viscosity Gravity Fed Concrete Crack Repair	4.38	
34 05 43 00-0336		**Concrete Pumping With Boom Truck** *(34 05 43 00-0306)*		
		See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
34 05 43 00-0337		**Bridge Girder Repair** *(34 05 43)*		
34 05 43 00-0338		**Bridge Girder Repair** *(34 05 43 00-0337)*		
		Note: Does not include mobilization of bridge jacking crew. See CSI section 05 05 23 00-0033 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0339	HR	UT, MT, PT Testing	75.00	
		Note: Does not include mileage to job site.		
34 05 43 00-0340	EA	Mobilization of Bridge Girder Repair Crew	2,690.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0341	LF	3" x 3" x 1/4" Angle Iron For Bridge Repair	14.87	5.69
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*23.30*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.51*	
34 05 43 00-0342	LF	4" x 4" x 1/4" Angle Iron For Bridge Repair	19.08	6.94
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*31.46*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.09*	
34 05 43 00-0343	LF	3" x 3" x 3/8" Angle Iron For Bridge Repair	19.22	6.40
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*34.21*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.63*	
34 05 43 00-0344	LF	4" x 4" x 3/8" Angle Iron For Bridge Repair	24.92	7.78
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*46.56*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.02*	
34 05 43 00-0345	LF	6" x 4" x 3/8" Angle Iron For Bridge Repair	31.85	10.16
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*58.59*	
		For Aluminum, Add	*3.30*	
		For Galvanized Steel, Add	*11.35*	
34 05 43 00-0346	LF	6" x 6" x 3/8" Angle Iron For Bridge Repair	35.72	10.16
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*70.98*	
		For Aluminum, Add	*3.99*	
		For Galvanized Steel, Add	*13.75*	
34 05 43 00-0347	LF	6" x 6" x 1/2" Angle Iron For Bridge Repair	47.34	13.63
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*93.34*	
		For Aluminum, Add	*5.25*	
		For Galvanized Steel, Add	*18.09*	
34 05 43 00-0348	LF	7" x 4" x 5/8" Angle Iron For Bridge Repair	52.05	14.37
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*105.28*	
		For Aluminum, Add	*5.92*	
		For Galvanized Steel, Add	*20.40*	
34 05 43 00-0349	LF	5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair	45.56	12.07
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*94.30*	
		For Aluminum, Add	*5.30*	
		For Galvanized Steel, Add	*18.27*	
34 05 43 00-0350	LF	6" x 4" x 3/4" Angle Iron For Bridge Repair	54.32	14.39
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*112.45*	
		For Aluminum, Add	*6.33*	
		For Galvanized Steel, Add	*21.79*	
34 05 43 00-0351	LF	7" x 4" x 3/4" Angle Iron For Bridge Repair	60.29	15.97
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*124.80*	
		For Aluminum, Add	*7.02*	
		For Galvanized Steel, Add	*24.18*	
34 05 43 00-0352	LF	8" x 6" x 7/8" Angle Iron For Bridge Repair	87.87	22.24
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*186.27*	
		For Aluminum, Add	*10.48*	
		For Galvanized Steel, Add	*36.09*	
34 05 43 00-0353	LF	C4 x 5.4 - 4" Wide Channels For Bridge Repair	17.79	7.31
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*25.73*	
		For Aluminum, Add	*1.45*	
		For Galvanized Steel, Add	*4.98*	
34 05 43 00-0354	LF	C6 x 8.2 - 6" Wide Channels For Bridge Repair	25.86	10.24
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*39.07*	
		For Aluminum, Add	*2.20*	
		For Galvanized Steel, Add	*7.57*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0355	LF	C8 x 11.5 - 8" Wide Channels For Bridge Repair	35.00	13.41
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*54.78*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.61*	
34 05 43 00-0356	LF	C10 x 15.3 - 10" Wide Channels For Bridge Repair	46.56	17.83
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
34 05 43 00-0357	LF	C12 x 20.7 - 12" Wide Channels For Bridge Repair	62.99	24.14
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*98.59*	
		For Aluminum, Add	*5.55*	
		For Galvanized Steel, Add	*19.10*	
34 05 43 00-0358	LF	C15 x 33.9 - 15" Wide Channels For Bridge Repair	103.16	39.52
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*161.47*	
		For Aluminum, Add	*9.08*	
		For Galvanized Steel, Add	*31.29*	
34 05 43 00-0359	SF	1/2" A36 Steel Plates For Bridge Repair	68.07	15.56
		For A50 Grade Steel, Add	*2.59*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0360	SF	5/8" A36 Steel Plates For Bridge Repair	85.08	19.44
		For A50 Grade Steel, Add	*3.23*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0361	SF	3/4" A36 Steel Plates For Bridge Repair	102.11	23.22
		For A50 Grade Steel, Add	*3.88*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0362	SF	7/8" A36 Steel Plates For Bridge Repair	119.12	27.22
		For A50 Grade Steel, Add	*4.52*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0363	SF	1" A36 Steel Plates For Bridge Repair	136.14	31.11
		For A50 Grade Steel, Add	*5.17*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0364	SF	1-1/4" A36 Steel Plates For Bridge Repair	170.18	38.89
		For A50 Grade Steel, Add	*6.46*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0365	SF	1-3/8" A36 Steel Plates For Bridge Repair	187.19	42.77
		For A50 Grade Steel, Add	*7.11*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0366	SF	1-1/2" A36 Steel Plates For Bridge Repair	204.21	46.66
		For A50 Grade Steel, Add	*7.76*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0367	CWT	Removal Of Existing Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	67.56	
		For Removal Over 30' To 50', Add	*13.51*	
		For Removal Over 50' To 75', Add	*23.65*	
		For Removal Over 75', Add	*33.78*	
34 05 43 00-0368	TON	Removal Of Existing Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	900.83	
		For Removal Over 30' To 50', Add	*180.17*	
		For Removal Over 50' To 75', Add	*315.29*	
		For Removal Over 75', Add	*450.42*	
34 05 43 00-0369	CWT	Miscellaneous Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	532.64	
		For A50 Grade Steel, Add	*93.02*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
34 05 43 00-0370	TON	Miscellaneous Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	8,534.69	
		For A50 Grade Steel, Add	*1,526.77*	
		Cutting Fee For I-beams, Floor Beams And Plates Over 5' x 5', Add Per Each Piece	*30.00*	
34 05 43 00-0371	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter Note: Per each hole drilled per steel member.	39.23	
34 05 43 00-0372	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter Note: Per each hole drilled per steel member.	50.99	
34 05 43 00-0373	EA	Bolts A325 For Steel Repair Connections Up To 7/8"	32.07	2.17
34 05 43 00-0374	EA	Bridge Girder Rivet Removal	335.91	
34 05 43 00-0375	LF	Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	7.28	
34 05 43 00-0376	LF	>1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	12.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0377	LF	>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	18.11	
34 05 43 00-0378	LF	>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	23.53	
34 05 43 00-0379	LF	>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	28.95	
34 05 43 00-0380	LF	>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	34.36	
34 05 43 00-0381		Cleaning And Preparation Of Painted And Unpainted Metal Surfaces *(34 05 43 00-0337)*		
34 05 43 00-0382	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.20	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.23*	
34 05 43 00-0383	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.63	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
34 05 43 00-0384	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	2.40	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 30,000, Deduct	*-0.35*	
		For >30,000, Deduct	*-0.46*	
34 05 43 00-0385	SF	Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair	4.01	
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.50*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.58*	
		For >30,000, Deduct	*-0.77*	
34 05 43 00-0386	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.05	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.44*	
		For >30,000, Deduct	*-0.58*	
34 05 43 00-0387	SF	Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.78	
		For Up To 100, Add	*2.30*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.35*	
		For >15,000 To 30,000, Deduct	*-0.55*	
		For >30,000, Deduct	*-0.72*	
34 05 43 00-0388	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	4.91	
		For Up To 100, Add	*2.99*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.60*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.45*	
		For >15,000 To 30,000, Deduct	*-0.71*	
		For >30,000, Deduct	*-0.94*	
34 05 43 00-0389	SF	Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair	6.12	
		For Up To 100, Add	*3.72*	
		For >100 To 250, Add	*1.74*	
		For >250 To 500, Add	*0.74*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 15,000, Deduct	*-0.57*	
		For >15,000 To 30,000, Deduct	*-0.88*	
		For >30,000, Deduct	*-1.17*	
34 05 43 00-0390		Galvanized Anchor Bolts For Bridge Bearings *(34 05 43 00-0337)*		
34 05 43 00-0391	EA	1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	16.71	
34 05 43 00-0392	EA	1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings	24.88	
34 05 43 00-0393	EA	1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	31.83	
34 05 43 00-0394	EA	5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	38.82	
34 05 43 00-0395	EA	5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	49.63	
34 05 43 00-0396	EA	5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	56.30	
34 05 43 00-0397	EA	3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	55.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0398	EA	3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	64.65	
34 05 43 00-0399	EA	3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	80.95	
34 05 43 00-0400	EA	3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	100.13	
34 05 43 00-0401	EA	7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	75.26	
34 05 43 00-0402	EA	7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	89.38	
34 05 43 00-0403	EA	7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	116.57	
34 05 43 00-0404	EA	1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	95.31	
34 05 43 00-0405	EA	1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	114.13	
34 05 43 00-0406	EA	1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	142.11	
34 05 43 00-0407	EA	1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	174.24	
34 05 43 00-0408	EA	1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	116.81	
34 05 43 00-0409	EA	1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	139.94	
34 05 43 00-0410	EA	1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	174.38	
34 05 43 00-0411	EA	1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	213.69	
34 05 43 00-0412	EA	1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	143.58	
34 05 43 00-0413	EA	1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	172.14	
34 05 43 00-0414	EA	1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	214.64	
34 05 43 00-0415	EA	1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	262.88	
34 05 43 00-0416	EA	1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	177.07	
34 05 43 00-0417	EA	1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	212.34	
34 05 43 00-0418	EA	1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	264.97	
34 05 43 00-0419	EA	1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	324.40	

34 05 43 00-0420 Welding For Bridge Repair *(34 05 43 00-0337)*

34 05 43 00-0421	EA	Minimum Charge For Welding For Bridge Repair Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	2,100.64	
34 05 43 00-0422	LF	3/16" Fillet Welding For Bridge Repair	15.83	
		For Full Penetration Weld, Add	*5.92*	
34 05 43 00-0423	LF	1/4" Fillet Welding For Bridge Repair	23.77	
		For Full Penetration Weld, Add	*8.88*	
34 05 43 00-0424	LF	5/16" Fillet Welding For Bridge Repair	31.71	
		For Full Penetration Weld, Add	*11.84*	
34 05 43 00-0425	LF	3/8" Fillet Welding For Bridge Repair	39.61	
		For Full Penetration Weld, Add	*14.81*	
34 05 43 00-0426	LF	7/16" Fillet Welding For Bridge Repair	46.47	
		For Full Penetration Weld, Add	*17.77*	
34 05 43 00-0427	LF	1/2" Fillet Welding For Bridge Repair	55.02	
		For Full Penetration Weld, Add	*20.56*	
34 05 43 00-0428	LF	9/16" Fillet Welding For Bridge Repair	63.80	
		For Full Penetration Weld, Add	*24.23*	
34 05 43 00-0429	LF	5/8" Fillet Welding For Bridge Repair	70.46	
		For Full Penetration Weld, Add	*26.65*	
34 05 43 00-0430	LF	3/4" Fillet Welding For Bridge Repair	97.64	
		For Full Penetration Weld, Add	*36.42*	
34 05 43 00-0431	LF	7/8" Fillet Welding For Bridge Repair	128.03	
		For Full Penetration Weld, Add	*48.28*	
34 05 43 00-0432	LF	1" Fillet Welding For Bridge Repair	178.86	
		For Full Penetration Weld, Add	*66.63*	

34 05 43 00-0433 Bridge Trough Repair *(34 05 43)*

34 05 43 00-0434	EA	New Bridge Trough Hanger	306.94	27.09
34 05 43 00-0435	EA	Reattach By Welding Existing Bridge Trough Hanger, Top And/or Bottom	70.59	
34 05 43 00-0436	EA	Removal And Replacement Of All Thread For Existing Bridge Trough Hanger	131.59	
34 05 43 00-0437	EA	Removal And Replacement Of Steel Angle Attachment For Existing Bridge Trough Hanger	71.20	

34 05 43 00-0438 Spot Paint Removal And Painting, Bridge Structural Steel *(34 05 43)*

34 05 43 00-0439	HR	Testing For Lead And Asbestos Paint Removal By Asbestos Contractor	122.50	
34 05 43 00-0440	EA	Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal	206.73	
34 05 43 00-0441	SF	>4 SF, Flat Surfaces, Non-Contaminated Paint Removal	51.68	
34 05 43 00-0442	EA	Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	292.87	
34 05 43 00-0443	SF	>4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	73.21	
34 05 43 00-0444	CF	Treat and Dispose of Removed Paint Waste	6.47	
34 05 43 00-0445	SF	Flat Surfaces Spot Painting Note: Includes 1 coat epoxy rust inhibiting primer and 2 coats epoxy paint finish.	54.73	
34 05 43 00-0446	EA	Minimum Charge For Plastic Barrier Enclosure for Paint Removal Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	1,236.59	
34 05 43 00-0447	SF	Plastic Barrier Enclosure For Paint Removal Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	3.86	

34 05 43 00-0448 End Beam Cleaning And Painting For Bridges *(34 05 43)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0449	SF	End Beam Cleaning and Painting Note: Includes high pressure wash at minimum 3003 to 5000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC – SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.	4.06	
		For Up To 100, Add	*4.06*	
		For >100 To 500, Add	*2.68*	
		For >500 To 3,000, Add	*1.34*	
		For >5,000 To 7,500, Deduct	*-0.65*	
		For >7,500 To 10,000, Deduct	*-0.98*	
		For >10,000, Deduct	*-1.38*	
34 05 43 00-0450		Snow And Pedestrian Fences For Bridges *(34 05 43)*		
34 05 43 00-0451		Snow And Pedestrian Fence Assembly For Bridges *(34 05 43 00-0450)* Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0452		Galvanized Snow And Pedestrian Fence Assembly For Bridges *(34 05 43 00-0451)*		
34 05 43 00-0453	LF	4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	51.71	11.57
		For Posts 8' On Centers, Add	*2.84*	
		For Posts 5' On Centers, Add	*10.68*	
		For Up To 100, Add	*9.87*	
		For >100 To 250, Add	*3.64*	
34 05 43 00-0454	LF	>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	56.45	12.15
		For Posts 8' On Centers, Add	*3.09*	
		For Posts 5' On Centers, Add	*11.60*	
		For Up To 100, Add	*10.68*	
		For >100 To 250, Add	*3.93*	
34 05 43 00-0455	LF	>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	61.22	12.74
		For Posts 8' On Centers, Add	*3.34*	
		For Posts 5' On Centers, Add	*12.53*	
		For Up To 100, Add	*11.50*	
		For >100 To 250, Add	*4.22*	
34 05 43 00-0456	LF	>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	64.41	13.31
		For Posts 8' On Centers, Add	*3.51*	
		For Posts 5' On Centers, Add	*13.17*	
		For Up To 100, Add	*12.09*	
		For >100 To 250, Add	*4.43*	
34 05 43 00-0457	LF	>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	73.34	14.47
		For Posts 8' On Centers, Add	*3.98*	
		For Posts 5' On Centers, Add	*14.91*	
		For Up To 100, Add	*13.64*	
		For >100 To 250, Add	*4.98*	
34 05 43 00-0458		Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges *(34 05 43 00-0451)*		
34 05 43 00-0459	LF	4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	54.45	11.57
		For Powder Coated, Add	*6.67*	
		For Aluminum Coated, Add	*13.34*	
		For Posts 8' On Centers, Add	*2.98*	
		For Posts 5' On Centers, Add	*11.17*	
		For Up To 100, Add	*10.28*	
		For >100 To 250, Add	*3.78*	
34 05 43 00-0460	LF	>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	59.90	12.15
		For Powder Coated, Add	*7.55*	
		For Aluminum Coated, Add	*15.10*	
		For Posts 8' On Centers, Add	*3.26*	
		For Posts 5' On Centers, Add	*12.22*	
		For Up To 100, Add	*11.20*	
		For >100 To 250, Add	*4.10*	
34 05 43 00-0461	LF	>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	68.22	12.74
		For Powder Coated, Add	*9.01*	
		For Aluminum Coated, Add	*18.01*	
		For Posts 8' On Centers, Add	*3.69*	
		For Posts 5' On Centers, Add	*13.79*	
		For Up To 100, Add	*12.55*	
		For >100 To 250, Add	*4.57*	
34 05 43 00-0462	LF	>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	72.55	13.31
		For Powder Coated, Add	*9.66*	
		For Aluminum Coated, Add	*19.32*	
		For Posts 8' On Centers, Add	*3.92*	
		For Posts 5' On Centers, Add	*14.64*	
		For Up To 100, Add	*13.31*	
		For >100 To 250, Add	*4.84*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0463	LF	>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	82.83	14.47
		For Powder Coated, Add	*11.30*	
		For Aluminum Coated, Add	*22.59*	
		For Posts 8' On Centers, Add	*4.46*	
		For Posts 5' On Centers, Add	*16.62*	
		For Up To 100, Add	*15.06*	
		For >100 To 250, Add	*5.46*	
34 05 43 00-0464		Bridge Connection Mounting For Snow And Pedestrian Fence Assembly *(34 05 43 00-0451)*		
34 05 43 00-0465	EA	Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts Note: Includes drilling into steel post.	57.35	
34 05 43 00-0466	EA	Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint	33.36	
34 05 43 00-0467	EA	Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	99.65	
34 05 43 00-0468	EA	Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	92.57	
34 05 43 00-0469	EA	Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	141.55	
34 11 93 00-0001		Railroad Crossings *(34 11 93)*		
34 11 93 00-0002		Asphalt Railroad Crossings *(34 11 93 00-0001)* Note: Based on 8" thickness x 20' including track and approach.		
34 11 93 00-0003	EA	8" Asphalt Railroad Crossing, 12' Roadway 6 CY	2,090.31	380.42
34 11 93 00-0004	EA	8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY	2,440.36	431.14
34 11 93 00-0005	EA	8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY	2,872.38	507.21
34 11 93 00-0006	EA	8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY	3,420.32	608.66
34 11 93 00-0007	EA	8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	4,171.12	760.82
34 11 93 00-0008		Railroad Crossings - Precast Concrete Inserts *(34 11 93 00-0001)* Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0009	EA	Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge	4,684.33	161.90
34 11 93 00-0010	EA	Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge	5,855.42	196.59
34 11 93 00-0011	EA	Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge	7,020.77	242.85
34 11 93 00-0012	EA	Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge	8,187.59	277.55
34 11 93 00-0013	EA	Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge	9,353.48	323.81
34 11 93 00-0014		Molded Rubber Railroad Crossings With Headers *(34 11 93 00-0001)* Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0015	EA	Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers	3,316.08	161.90
34 11 93 00-0016	EA	Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers	3,938.78	196.59
34 11 93 00-0017	EA	Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers	4,555.75	242.85
34 11 93 00-0018	EA	Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers	5,174.18	277.55
34 11 93 00-0019	EA	Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers	5,791.69	323.81
34 11 93 00-0020		Railroad Trackage Demolition *(34 11 93)*		
34 11 93 00-0021	CY	Removal Of Railroad Track Ballast	10.28	
34 11 93 00-0022	LF	Removal Of Railroad Track Rail And Spikes	25.71	
34 11 93 00-0023	EA	Removal And Disposal Of Concrete Post Footings	150.40	
34 11 93 00-0024	EA	Backfill Holes From Post Removal	62.68	
34 41 13 00-0001		Traffic Signals *(34 41 13)*		
34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	8,491.65	836.86
34 41 13 00-0003		Traffic Detector Induction Loop *(34 41 13)*		
34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	402.17	

34 10 Guideways/Railways *(34)*

34 11 Rail Tracks *(34 10)*

34 11 93 Track Appurtenances and Accessories *(34 11)*

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	501.75	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	569.92	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	490.92	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	852.00	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,044.08	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,114.27	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,386.81	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,490.37	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,584.32	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,710.83	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	8.65	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.79	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	279.85	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	795.73	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	493.04	
34 41 13 00-0020		**Overhead Traffic Signals** *(34 41 13)*		
34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section	585.89	177.83
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections	955.72	251.06
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections	1,343.11	306.85
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	1,274.73	306.85
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,709.17	341.72
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections	2,047.33	362.64
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	2,179.54	362.64
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section	551.70	177.83
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections	887.34	251.06
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections	1,176.71	306.85
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	1,261.05	306.85
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,563.29	341.72
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,515.42	341.72
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,796.60	362.64
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,903.73	362.64
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,756.34	306.85
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,607.91	341.72
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	4,714.23	362.64
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	5,113.12	362.64
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly	566.15	139.48
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly	1,000.11	278.95
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly	350.54	104.61
34 41 13 00-0043	EA	Pedestrian Signal Head	1,033.87	209.22
34 41 13 00-0044	EA	Pedestrian Signal Insert	640.03	104.61
34 41 13 00-0045	EA	Audible Pedestrian Signal	1,506.84	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted	630.19	
34 41 13 00-0047	EA	Pedestrian Push Button	557.55	
34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic	4,618.07	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	4,812.16	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted	5,096.06	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	5,412.71	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted	5,821.38	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted	6,144.62	
34 41 13 00-0054	EA	16' Pedestal With Base Plate And Cover	1,804.25	190.15
34 41 13 00-0055	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	8,708.39	
34 41 13 00-0056	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	10,166.59	
34 41 13 00-0057	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	4,833.33	
34 41 13 00-0058	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	5,396.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0059	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	5,612.16	
34 41 13 00-0060	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,612.16	
34 41 13 00-0061	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,725.47	
34 41 13 00-0062	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,292.01	
34 41 13 00-0063	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,422.29	
34 41 13 00-0064	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	6,689.42	
34 41 13 00-0065	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	7,110.14	
34 41 13 00-0066	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	5,164.53	
34 41 13 00-0067	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	9,299.55	
34 41 13 00-0068	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	10,481.87	
34 41 13 00-0069	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	10,935.09	
34 41 13 00-0070	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	10,935.09	
34 41 13 00-0071	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	12,362.74	
34 41 13 00-0072	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	12,910.02	
34 41 13 00-0073	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	13,484.63	
34 41 13 00-0074	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	14,389.69	
34 41 13 00-0075	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	10,815.72	
34 41 13 00-0076	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	12,195.09	
34 41 13 00-0077	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	12,723.87	
34 41 13 00-0078	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	12,723.87	
34 41 13 00-0079	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	14,389.44	
34 41 13 00-0080	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	15,027.94	
34 41 13 00-0081	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	15,698.33	
34 41 13 00-0082	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	16,754.20	
34 41 13 00-0083	EA	15' Steel Straight Mast Arm, MONOTUBE	3,447.84	
34 41 13 00-0084	EA	20' Steel Straight Mast Arm, MONOTUBE	3,617.56	
34 41 13 00-0085	EA	25' Steel Straight Mast Arm, MONOTUBE	3,882.70	
34 41 13 00-0086	EA	30' Steel Straight Mast Arm, MONOTUBE	5,308.60	
34 41 13 00-0087	EA	35' Steel Straight Mast Arm, MONOTUBE	6,421.50	
34 41 13 00-0088	EA	40' Steel Straight Mast Arm, MONOTUBE	6,902.95	
34 41 13 00-0089	EA	45' Steel Straight Mast Arm, MONOTUBE	7,578.21	
34 41 13 00-0090	EA	50' Steel Straight Mast Arm, MONOTUBE	8,604.53	
		For Curved Mast Arm, Add	*976.82*	
34 41 13 00-0091	EA	55' Steel Straight Mast Arm, MONOTUBE	9,773.24	
		For Curved Mast Arm, Add	*1,089.42*	
34 41 13 00-0092	EA	60' Steel Straight Mast Arm, MONOTUBE	10,510.91	
		For Curved Mast Arm, Add	*1,137.28*	
34 41 13 00-0093	EA	65' Steel Straight Mast Arm, MONOTUBE	12,205.50	
		For Curved Mast Arm, Add	*1,328.70*	
34 41 13 00-0094	EA	70' Steel Straight Mast Arm, MONOTUBE	16,016.13	
		For Curved Mast Arm, Add	*1,607.39*	
34 41 13 00-0095	EA	4' Steel Curved Luminaire Mast Arm	1,169.14	
34 41 13 00-0096	EA	6' Steel Curved Luminaire Mast Arm	1,524.15	
		For High Rise Arm, Add	*140.75*	
34 41 13 00-0097	EA	8' Steel Curved Luminaire Mast Arm	1,907.07	
34 41 13 00-0098	EA	10' Steel Curved Luminaire Mast Arm	2,577.05	
		For High Rise Arm, Add	*207.19*	
34 41 13 00-0099	EA	12' Steel Curved Luminaire Mast Arm	2,863.36	
		For High Rise Arm, Add	*244.35*	
34 41 13 00-0100	EA	15' Steel Curved Luminaire Mast Arm	3,012.45	
		For High Rise Arm, Add	*272.50*	
34 41 13 00-0101	EA	15' Tubular Aluminum Post	1,226.92	
34 41 13 00-0102	EA	17' Tubular Aluminum Post	1,302.57	
34 41 13 00-0103	EA	20' Tubular Aluminum Post	1,444.12	
34 41 13 00-0104	EA	14' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	4,270.32	
34 41 13 00-0105	EA	21' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	6,597.43	
34 41 13 00-0106	EA	22' High Galvanized Steel Traffic Signal Pole Note: For mast arm and luminare arm.	6,860.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0107	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm Note: For mast arm and luminare arm.	9,294.08	
34 41 13 00-0108	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm Note: For mast arm and luminare arm.	9,900.42	
34 41 13 00-0109	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	7,666.94	
34 41 13 00-0110	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	6,811.42	
34 41 13 00-0111	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	5,517.44	
34 41 13 00-0112	EA	CUT-OFF POLE AND CAPPED	199.26	
34 41 13 00-0113	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	60.27	
34 41 13 00-0114	EA	PAINT EXISTING TS POST COMPLETE	282.37	
34 41 13 00-0115	EA	1 Channel Loop Detector Amplifier	1,980.72	
34 41 13 00-0116	EA	4 Channel Loop Detector Amplifier	3,773.08	
34 41 13 00-0117	EA	FLASHING BEACON WITH DOWNLIGHT	2,679.04	
34 41 13 00-0118	EA	Flashing Beacon, Bracket Mounted	860.41	
34 41 13 00-0119	EA	Flashing Beacon, Mast Arm Mounted	860.41	
34 41 13 00-0120	EA	Flashing Beacon, Solar Powered, Bracket Mounted	24,552.85	
34 41 13 00-0121	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	4,156.73	
34 41 13 00-0122	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	2,232.81	
34 41 13 00-0123	EA	Smart Sensor HD (Wavetronix HD125)	11,879.04	
34 41 13 00-0124	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,493.70	
34 41 13 00-0125	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	9,503.51	
34 41 13 00-0126	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	337.42	
34 41 13 00-0127	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	2,516.96	
34 41 13 00-0128	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	1,126.80	
34 41 13 00-0129	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,816.31	
34 41 13 00-0130	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	7,506.57	1.82
34 41 13 00-0131	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	9,815.52	1.82
34 41 13 00-0132	EA	Pole Base Foundation for Type 15 and 21 Poles	5,863.85	1.82
34 41 13 00-0133	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,506.57	1.82
34 41 13 00-0134	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	9,815.52	1.82
34 41 13 00-0135	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	1,986.25	113.86
34 41 13 00-0136	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	5,718.15	683.18
34 41 13 00-0137	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	20,201.15	455.45
34 41 13 00-0138	EA	Power Control Unit With Enclosure (A/C)	12,948.50	455.45
34 41 13 00-0139	EA	Push Button Assembly With Sign	1,132.57	227.72
34 41 13 00-0140	EA	Advanced Warning Signs	2,246.04	227.72
34 41 13 00-0141	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	6,460.48	
34 41 13 00-0142	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	6,654.23	
34 41 13 00-0143	EA	Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100	59,570.50	
34 41 13 00-0144	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,205.86	
34 41 13 00-0145	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,319.83	
34 41 13 00-0146	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,693.65	
34 41 13 00-0147	EA	2 Channel Phase Selector	3,880.31	
34 41 13 00-0148	EA	4 Channel Phase Selector	6,034.34	
34 41 13 00-0149	EA	Malfunction Management Unit For Use With NEMA Controller	1,948.15	
34 41 13 00-0150	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,205.86	249.26
34 41 13 00-0151	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,319.83	249.26
34 41 13 00-0152	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,693.65	249.26
34 41 13 00-0153	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	1,205.86	249.26
34 41 13 00-0154	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	1,319.83	249.26
34 41 13 00-0155	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	1,693.65	249.26
34 41 13 00-0156	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,205.86	249.26
34 41 13 00-0157	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,319.83	249.26
34 41 13 00-0158	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,693.65	249.26
34 41 13 00-0159	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	1,205.86	249.26
34 41 13 00-0160	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	1,319.83	249.26
34 41 13 00-0161	EA	Optical Detector For Signal Top Mounting, 2 Channel	1,693.65	249.26
34 41 13 00-0162	EA	Time Switch, 1-Circuit	269.67	
34 41 13 00-0163	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	391.31	
34 41 13 00-0164	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	512.11	
34 41 13 00-0165	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	728.66	
34 41 13 00-0166	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	915.57	
34 41 13 00-0167	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply	2,488.35	
34 41 13 00-0168	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	2,488.35	
34 41 13 00-0169	EA	Power Line Surge Protector - Edco SHP 300-10	229.28	
34 41 13 00-0170	EA	Loop Detector Surge Protector - Edco SRA-6LC	116.36	
34 41 13 00-0171	EA	Controller Cabinet (Econolite Type "O")	34,170.77	
34 41 13 00-0172	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	14,848.29	
34 41 13 00-0173	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	16,147.55	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0174	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	17,708.94	
34 41 13 00-0175	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	18,187.61	
34 41 13 00-0176	EA	Speed Limit Beacon Control Cabinet	7,372.24	
34 41 13 00-0177	EA	Remote Detector Cabinet	3,839.17	
34 41 13 00-0178	EA	Traffic Signal Hand Control	1,076.74	
34 41 13 00-0179	EA	Extra Pedestrian Detector Isolation Assembly	848.80	
34 41 13 00-0180	EA	Fiber Optic Transceivers-Repeater Module	1,172.04	
34 41 13 00-0181	EA	Field Transceiver-Repeater	564.18	
34 41 13 00-0182	EA	Load Switch	107.59	
34 41 13 00-0183	EA	30" Pedestal With Base Plate And Cover	940.07	
34 41 13 00-0184	EA	8' Pedestal With Base Plate And Cover	1,382.23	
34 41 13 00-0185	EA	11' Pedestal With Base Plate And Cover	1,538.37	
34 41 13 00-0186	EA	15' Pedestal With Base Plate And Cover	1,709.27	
34 41 13 00-0187	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.68	
34 41 13 00-0188	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.79	
34 41 13 00-0189	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.15	
34 41 13 00-0190	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.50	
34 41 13 00-0191	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.86	
34 41 13 00-0192	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.49	
34 41 13 00-0193	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.09	
34 41 13 00-0194	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.27	
34 41 13 00-0195	LF	3/16" Diameter Messenger Cable	0.74	0.11
34 41 13 00-0196	LF	1/4" Diameter Messenger Cable	0.90	0.11
34 41 13 00-0197	LF	3/8" Diameter Messenger Cable	1.67	0.11
34 41 13 00-0198	LF	1/2" Diameter Messenger Cable	3.50	0.22
34 41 13 00-0199	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	2,910.19	
34 41 13 00-0200	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	4,593.66	
34 41 13 00-0201	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	2,928.49	278.95
34 41 13 00-0202	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	3,615.02	348.70
34 41 13 00-0203	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	3,936.84	418.43
34 41 13 00-0204	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	4,441.04	488.18
34 41 13 00-0205	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	4,762.87	557.91
34 41 13 00-0206	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	4,651.71	278.95
34 41 13 00-0207	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	5,730.31	348.70
34 41 13 00-0208	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	6,179.77	418.43
34 41 13 00-0209	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	6,902.79	488.18
34 41 13 00-0210	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	7,406.97	557.91
34 41 13 00-0211	EA	Photoelectric Controller, Multi-Volt	99.00	32.40
34 41 13 00-0212	EA	Photoelectric Controller, 120 Volt	91.66	32.40
34 41 13 00-0213	EA	Photoelectric Controller, 480 Volt	91.66	32.40
34 41 13 00-0214	EA	Wi-Fi Communication Unit	1,530.34	139.48
34 41 13 00-0215	EA	Wi-Fi Communication Unit Mounting Bracket	323.19	104.61
34 41 13 00-0216	EA	Wi-Fi Communication Unit Power Supply / POE Injector	296.76	69.74
34 41 13 00-0217	EA	Wi-Fi Communication Unit Packet	2,150.29	209.22
34 41 13 00-0218	LF	Preemptor Detector Cable	1.71	
34 41 13 00-0219	EA	Sno-Shoe Cable Storage Assembly	275.79	

34 41 13 00-0220 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0221	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.32	0.98
34 41 13 00-0222	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.63	1.04
34 41 13 00-0223	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.93	1.11
34 41 13 00-0224	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.21	1.18
34 41 13 00-0225	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.55	1.25
34 41 13 00-0226	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.16	1.39
34 41 13 00-0227	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	4.91	1.60
34 41 13 00-0228	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.65	1.81
34 41 13 00-0229	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	6.75	2.01
34 41 13 00-0230	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.08	2.22
34 41 13 00-0231	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.42	0.98
34 41 13 00-0232	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.77	1.04
34 41 13 00-0233	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.11	1.11
34 41 13 00-0234	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.42	1.18
34 41 13 00-0235	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.81	1.25
34 41 13 00-0236	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.50	1.39
34 41 13 00-0237	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.34	1.60
34 41 13 00-0238	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.16	1.81
34 41 13 00-0239	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.43	2.01
34 41 13 00-0240	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.99	2.22
34 41 13 00-0241	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.65	0.98
34 41 13 00-0242	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.11	1.04
34 41 13 00-0243	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.53	1.11
34 41 13 00-0244	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.93	1.18
34 41 13 00-0245	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.45	1.25
34 41 13 00-0246	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.34	1.39
34 41 13 00-0247	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.37	1.60
34 41 13 00-0248	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	7.39	1.81
34 41 13 00-0249	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.07	2.01
34 41 13 00-0250	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	11.17	2.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0251		**School Zone Flasher Beacons** *(34 41 13)*		
34 41 13 00-0252	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,051.52	209.31
34 41 13 00-0253	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,094.81	209.31
34 41 13 00-0254	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,829.95	209.31
34 41 13 00-0255	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,968.52	209.31
34 41 13 00-0256	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	12,820.55	209.31
34 41 13 00-0257	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,363.56	209.31
34 41 13 00-0258		**Traffic Light Control Synchronization** *(34 41 13)*		
34 41 13 00-0259	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	5,254.08	
34 41 13 00-0260	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	3,915.42	
34 41 13 00-0261	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	8,943.31	
34 41 13 00-0262	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,122.78	
34 41 13 00-0263	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,122.78	
34 41 13 00-0264	EA	Solar Cabinet Assembly	16,472.34	
34 41 13 00-0265	EA	Data Controller Interface Cable Assembly	648.20	
34 41 13 00-0266	EA	900 MHZ Splitter	773.89	
34 41 13 00-0267	EA	900 MHz Surge Suppressor	279.45	
34 41 13 00-0268	EA	Surge-Radio Lead in Cable	175.86	
34 41 13 00-0269	EA	12DB GAIN YAGI Antenna	784.84	
34 41 13 00-0270	EA	PELCO Antenna Mounting Bracket	520.66	
34 41 13 00-0271	MLF	Coaxial Cable, LMR-400	4,259.18	
34 41 13 00-0272	EA	Perle 16 Port Serial Server	4,390.79	
34 41 13 00-0273	EA	Serial to Ethernet Card	2,355.39	
34 41 13 00-0274	EA	404 Stand Alone Modem (GDI 404)	2,151.29	
34 41 13 00-0275		**Traffic Signal Controls** *(34 41 13)*		
34 41 13 00-0276	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,855.00	
34 41 13 00-0277	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	779.29	
34 41 13 00-0278	EA	AccessBox for contract closure master card (CC-ACC)	274.39	
34 41 13 00-0279	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	1,056.15	
34 41 13 00-0280	EA	Flush Mount Wireless Sensor (Speed & Count VSN240-F)	1,056.15	
34 41 13 00-0281	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	162.67	
34 41 13 00-0282	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	448.42	
34 41 13 00-0283		**Traffic Signal Devices** *(34 41 13)*		
34 41 13 00-0284	EA	12" Polycarbonate Signal Head Housing (McCain)	985.12	102.47
34 41 13 00-0285	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	500.72	79.71
34 41 13 00-0286	EA	Pedestrian Push Button Cap & Switch (McCain M31334)	374.06	148.03
34 41 13 00-0287	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	510.70	216.34
34 41 13 00-0288	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	392.30	170.79
34 41 13 00-0289	EA	16 Channel Conflict Monitor (McCain 2010 ECLip)	1,484.05	74.01
34 41 13 00-0290	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	304.63	28.47
34 41 13 00-0291	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr)	3,361.39	125.25
34 41 13 00-0292	EA	Camera processor card (Iteris Edge Connect)	7,678.36	182.18
34 41 13 00-0293	EA	Wireless Broadband Radio (Encom BB58)	7,250.88	170.79
34 41 13 00-0294	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	4,788.45	136.64
34 41 13 00-0295	EA	Power Adapter (Mean Well DR-120-48)	166.56	42.70
34 41 13 00-0296	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452)	0.98	
34 41 13 00-0297	EA	Radar Detection System (Wavetronix Matrix)	13,879.86	432.68
34 41 13 00-0298	EA	Pedestrian Audio Push Button (Polara APS)	410.95	108.17
34 41 13 00-0299	EA	Opticom Infrared System - Detector (GTT 711)	1,073.01	101.57
34 41 13 00-0300	EA	Opticom Infrared System - Detector (GTT 721)	1,200.52	113.63
34 41 13 00-0301	EA	Opticom Infrared System - Detector (GTT 722)	1,672.07	158.27
34 41 13 00-0302	EA	Opticom Multimode Phase Selector (GTT 764)	5,552.79	93.62
34 41 13 00-0303	LF	Opticom GPS Installation Cable (GTT 1070)	1.16	
34 41 13 00-0304	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	925.39	
34 41 13 00-0305	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	981.53	
34 41 13 00-0306	EA	UPS Module (Alpha Technologies FXM 350) Note: For battery backup in traffic signal control cabinet	1,505.40	62.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0307	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual) Note: To control flashing "School" signs	472.95	51.24
34 41 13 00-0308	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	10.62	0.52
34 41 13 00-0309	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.56	0.45
34 41 13 00-0310	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA)	140.01	51.24
34 41 13 00-0311	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA)	140.01	51.24
34 41 13 00-0312	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	140.01	51.24
34 41 13 00-0313	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	140.01	51.24
34 41 13 00-0314	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	140.01	51.24
34 41 13 00-0315	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	140.01	51.24
34 41 13 00-0316	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	413.66	130.94
34 41 13 00-0317	EA	EOC Switch (Actellis ML688)	5,500.93	405.04
34 41 13 00-0318	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	1,482.33	93.47
34 41 13 00-0319	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	113.53	22.10
34 41 13 00-0320	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	418.70	31.99
34 41 13 00-0321	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	142.61	22.10
34 41 13 00-0322	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	508.72	31.99
34 41 13 00-0323	EA	Battery Back-up (Alpha FXM110 UPS)	3,567.09	124.63
34 41 13 00-0324	EA	Battery (Alpha AlphaCell 220GXL)	504.68	31.16
34 41 13 00-0325	EA	BBS Cabinet (Alpha SE48-1616)	4,099.84	280.41
34 41 13 00-0326	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	6.19	2.43
34 41 13 00-0327	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	2.73	1.12
34 41 13 00-0328	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	1,273.58	93.47
34 41 13 00-0329	EA	12" THREE SECTION HOUSING (McCain M22435)	876.67	62.31
34 41 13 00-0330	EA	12" FOUR SECTION HOUSING (McCain M30883)	1,126.99	93.47
34 41 13 00-0331	EA	12" FIVE SECTION HOUSING (McCain M31769)	1,315.00	93.47
34 41 13 00-0332	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	1,409.00	93.47
34 41 13 00-0333	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	876.67	62.31
34 41 13 00-0334	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B)	876.67	62.31
34 41 13 00-0335	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	5,136.45	218.10
34 41 13 00-0336	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C)	250.32	31.16
34 41 13 00-0337	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C)	250.32	31.16
34 41 13 00-0338	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C)	563.49	46.73
34 41 13 00-0339	EA	12" Visor (McCain M19302)	43.72	12.47
34 41 13 00-0340	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	469.49	46.73
34 41 13 00-0341	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	782.67	62.31
34 41 13 00-0342	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,456.01	93.47
34 41 13 00-0343	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	782.67	62.31
34 41 13 00-0344	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	156.31	31.16
34 41 13 00-0345	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	469.49	46.73
34 41 13 00-0346	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	876.67	62.31
34 41 13 00-0347	EA	242L ISOLATOR, EDI (McCain M56812)	156.31	31.16
34 41 13 00-0348	EA	EDI 222 DETECTOR (McCain M11407)	203.32	31.16
34 41 13 00-0349	EA	ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763)	3,507.74	155.78
34 41 13 00-0350	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	575.85	62.31
34 41 13 00-0351	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	782.67	62.31
34 41 13 00-0352	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A)	1,644.02	93.47

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	12,154.75	964.07
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	12,265.82	1,019.58
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	15,057.56	1,031.58
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	17,886.42	1,252.52
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	14,916.91	617.89
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	16,542.94	676.47
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	27,274.82	1,063.52
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	29,006.32	1,178.59
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	41,685.44	1,325.04
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	32,913.14	1,255.31
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	914.03	147.42
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	737.03	221.35
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	346.17	173.07
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	627.38	291.93
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	13,915.35	389.75
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	33,824.08	584.80
34 41 16 00-0018	EA	PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,073.80	16.23
34 41 16 00-0019	EA	Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU)	609.62	16.23

34 41 16 00-0020 Transportation Cabinets *(34 41 16)*

34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0020)*

34 41 16 00-0022	EA	50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,810.90	186.94
34 41 16 00-0023	EA	66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	12,047.02	186.94
34 41 16 00-0024	EA	46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	2,626.59	186.94
34 41 16 00-0025	EA	50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,810.90	186.94
34 41 16 00-0026	EA	60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	12,456.61	186.94
34 41 16 00-0027	EA	55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,807.42	186.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0028		**Transportation Cabinets (APX Enclosures)** *(34 41 16 00-0020)*		
34 41 16 00-0029	EA	28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017) Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	6,874.80	218.10
34 41 16 00-0030		**Transportation Cabinets (Transportation Control Systems)** *(34 41 16 00-0020)*		
34 41 16 00-0031	EA	30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,650.04	186.94
34 41 16 00-0032	EA	30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,307.24	199.41
34 41 16 00-0033		**Transportation Cabinets (McCain)** *(34 41 16 00-0020)*		
34 41 16 00-0034	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	12,554.04	218.10
34 41 16 00-0035	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	12,554.04	218.10
34 41 16 00-0036	EA	ATC ColdFire Controller (McCain 170)	6,420.71	
34 41 16 00-0037		**Traffic Control Equipment** *(34 41 16)*		
34 41 16 00-0038	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	316.00	62.31
34 41 16 00-0039	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	419.69	62.31
34 41 16 00-0040	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	485.55	62.31
34 41 16 00-0041	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	373.57	62.31
34 41 16 00-0042	MLF	10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	2,930.06	683.18
34 41 16 00-0043	EA	Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	125.54	31.16
34 41 16 00-0044	EA	Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	582.12	69.77
34 41 16 00-0045	EA	Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	3,074.14	209.31
34 41 16 00-0046	EA	Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	557.59	31.16
34 41 16 00-0047	EA	Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	799.96	31.16
34 41 16 00-0048	EA	4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	914.97	62.31
34 41 16 00-0049	EA	Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005)	4,044.69	62.31
34 41 16 00-0050	EA	50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	418.61	209.31
34 41 16 00-0051	EA	60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	578.86	52.33
34 41 16 00-0052	EA	900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	497.82	69.77
34 41 16 00-0053	EA	900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	308.13	69.77
34 41 16 00-0054	EA	Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	346.83	31.16
34 41 16 00-0055	EA	24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202)	420.60	31.16
34 41 16 00-0056	EA	Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	188.76	31.16
34 41 16 00-0057	EA	Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200)	568.12	31.16
34 41 16 00-0058	EA	Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	641.89	31.16
34 41 16 00-0059	EA	RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	799.96	31.16
34 41 16 00-0060	EA	Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	62.31	31.16
34 41 16 00-0061	EA	Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	508.35	69.77
34 41 16 00-0062	MLF	LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,456.95	683.18
34 41 16 00-0063	EA	N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	60.57	18.69
34 41 16 00-0064	EA	Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,039.59	74.78
34 41 16 00-0065	EA	Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco ld53hdpb-1)	1,006.68	93.47
34 41 16 00-0066	EA	24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	220.47	31.16
34 41 16 00-0067	EA	10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	160.41	31.16
34 41 16 00-0068	EA	24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	542.11	31.16
34 41 16 00-0069	EA	Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	222.38	31.16
34 41 16 00-0070	EA	120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	86.29	31.16
34 41 16 00-0071	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009) Note: Input/Output for sign peripherals.	756.90	62.31
34 41 16 00-0072	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009) Note: Input/Output for sign peripherals.	756.90	62.31
34 41 16 00-0073	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0005) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,441.85	62.31
34 41 16 00-0074	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0011) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,441.85	62.31
34 41 16 00-0075	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) Note: Measures temperature and detects light and reports to CAN Dist Board.	482.92	62.31
34 41 16 00-0076	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	693.67	62.31
34 41 16 00-0077	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	693.67	62.31
34 41 16 00-0078	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) Note: Measures temperature and detects light and reports to CAN Dist board.	567.22	62.31
34 41 16 00-0079	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	9,982.53	249.26
34 41 16 00-0080	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.	420.60	31.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0081	EA	Driver (Daktronics 0P-1100-0026) Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	795.19	49.85
34 41 16 00-0082	EA	External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	700.35	49.85
34 41 16 00-0083	EA	Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	784.66	49.85
34 41 16 00-0084	EA	Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	468.52	49.85
34 41 16 00-0085	EA	Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,441.85	62.31
34 41 16 00-0086	EA	Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,810.68	62.31
34 41 16 00-0087	EA	Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,599.92	62.31
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,232.19	62.31
34 41 16 00-0089	EA	Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,810.68	62.31
34 41 16 00-0090	EA	Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,810.68	62.31
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	967.65	62.31
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	967.65	62.31
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	967.65	62.31
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	967.65	62.31
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,441.85	62.31
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,441.85	62.31
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,441.85	62.31
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	493.45	62.31
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	577.76	62.31
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,705.30	62.31
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,705.30	62.31
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	651.52	62.31
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	264.46	37.39
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	548.98	37.39
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	548.98	37.39
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	812.43	37.39
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,378.63	62.31
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,863.37	62.31
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R)	1,231.10	62.31
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000)	809.59	62.31
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075)	303.77	62.31
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028)	9,982.53	249.26
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015)	693.67	62.31
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053)	115.00	31.16
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792)	146.61	31.16
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF)	914.97	62.31
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF)	914.97	62.31
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R)	1,192.39	62.41
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E)	1,192.39	62.41
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E)	6,449.43	62.41
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E)	1,540.46	62.41
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261)	209.99	31.16
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E)	734.95	62.41
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD)	1,917.23	62.41
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4)	298.73	62.31
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B)	654.00	62.31
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750)	291.97	15.60
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B)	3,696.88	124.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1)	229.41	31.16
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM)	3,356.26	62.31
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM)	7,879.25	308.45
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB)	1,052.89	162.02
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30)	25.82	9.97
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS)	2,738.11	124.63
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60)	57.82	9.97
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820)	2,434.92	69.77
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810)	132.91	47.36
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469)	382.67	62.31
34 41 16 00-0139	EA	Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT)	684.50	16.23
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H))	737.74	16.23
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027)	391.24	24.92
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E)	4,721.71	149.55
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC)	174.13	28.66
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	44.39	6.23
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC)	1,487.33	62.31
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	5,131.06	124.63
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	3,461.54	205.63
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	803.44	356.44
34 41 16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	559.93	249.26
34 41 16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260)	115.72	33.65
34 41 16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515)	87.72	22.43
34 41 16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	68.67	22.43
34 41 16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	68.67	22.43
34 41 16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	298.73	62.31
34 41 16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	323.31	31.21
34 41 16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	3,019.77	31.21
34 41 16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC)	589.12	16.23
34 41 16 00-0158	EA	Traffic Monitoring System (BlueTOAD Spectra Cellular/Solar Version)	12,132.71	209.31
34 41 16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	460.95	69.77

34 41 23 Roadway Monitoring Equipment *(34 41)*

34 41 23 00-0001 Radar Speed Display Signs *(34 41 23)*

34 41 23 00-0002	EA	Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 250) Note: 12" Full Matrix (rounded) Characters for quick recognition.	5,827.17	
34 41 23 00-0003	EA	Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 350) Note: 18" Full Matrix (rounded) Characters for quick recognition.	6,852.10	
34 41 23 00-0004	EA	Dolly Mounted Radar Speed Sign (RU2 Systems, Inc. Model 500) Note: 12" Amber AlInGaP LED display characters.	9,735.55	
34 41 23 00-0005	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 600) Note: 12" full graphic characters	12,231.03	
34 41 23 00-0006	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 750) Note: 18" Amber AlInGaP LED display characters	15,358.26	
34 41 23 00-0007	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 800) Note: 18" Amber AlInGaP LED full graphic display characters, on top. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.	16,073.87	
34 41 23 00-0008	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 950) Note: 18" Amber AlInGaP LED full graphic display characters. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.	19,468.47	
34 41 23 00-0009	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 1000) Note: Up to 30" Amber AlInGaP LED digits.	22,286.38	

34 43 Airfield Signaling and Control Equipment *(34 40)*

34 43 13 Airfield Signals and Lighting *(34 43)*

34 43 13 09 Airport Rotating Beacons *(34 43 13)*

34 43 13 09-0001	EA	Rotating Heliport Beacon, 3 - 500 Watt Quartz Lamps	8,918.96	2,277.26

34 43 13 12 Airport Obstruction Lights *(34 43 13)*

34 43 13 12-0001 Hazard Beacon Flashing Red, Two Lamps-620 Watts *(34 43 13 12)*

34 43 13 12-0002	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 2 Wire Cable	4,149.50	227.72
34 43 13 12-0003	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 3 Wire Cable	4,626.16	227.72
34 43 13 12-0004	EA	Beacon Failure Alarm Relay Assembly	1,039.35	227.72

34 43 13 12-0005 Obstruction Marker Lights *(34 43 13 12)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 12-0006	EA	Obstruction Marker Light, 1 - 69 Watt FAA Spec L-810	463.62	142.33
34 43 13 12-0007	EA	Obstruction Marker Light, 2 - 69 Watt FAA Spec L-810	740.33	170.79
34 43 13 12-0008	EA	Obstruction Marker Light, 1 - 116 Watt Mil Spec M16-6-7830B	625.69	142.33
34 43 13 12-0009	EA	Obstruction Marker Light, 2 - 116 Watt Mil Spec M16-6-7830B	1,009.64	170.79
34 43 13 12-0010	EA	Transfer Relay Assembly	1,470.72	227.72

34 43 13 12-0011 Solid State Flashers With Cast Aluminum Housing *(34 43 13 12)*

34 43 13 12-0012	EA	Solid State Flashers, 1 Circuit, With Cast Aluminum Housing	14,755.02	227.72
34 43 13 12-0013	EA	Solid State Flashers, 2 Circuit Simultaneous Flash, With Cast Aluminum Housing	29,168.14	284.65
34 43 13 12-0014	EA	Solid State Flashers, 3 Circuit Simultaneous Flash, With Cast Aluminum Housing	43,582.20	341.59
34 43 13 12-0015	EA	Sequential Flasher	10,598.10	1,233.94

34 43 13 13 Airfield Runway Identification Lights *(34 43 13)*

34 43 13 13-0001 Taxi Guidance Sign Internally Illuminated, 18" Letters *(34 43 13 13)*

34 43 13 13-0002	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 18" Letter	2,967.41	227.72
		For LED, Add	*502.39*	
34 43 13 13-0003	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 18" Letter	4,815.98	284.65
		For LED, Add	*849.39*	
34 43 13 13-0004	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 18" Letter	6,593.99	341.59
		For LED, Add	*1,182.10*	
34 43 13 13-0005	EA	Taxi Guidance Sign 1 Face, 10' Wide Internally Illuminated, 18" Letter	8,189.38	341.59
		For LED, Add	*1,455.70*	
34 43 13 13-0006	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 18" Letter	3,433.78	341.59
		For LED, Add	*550.06*	
34 43 13 13-0007	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 18" Letter	5,519.96	398.52
		For LED, Add	*944.72*	
34 43 13 13-0008	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 18" Letter	7,536.37	455.45
		For LED, Add	*1,325.09*	
34 43 13 13-0009	EA	Taxi Guidance Sign 2 Face, 10' Wide Internally Illuminated, 18" Letter	9,369.68	569.32
		For LED, Add	*1,646.36*	

34 43 13 13-0010 Taxi Guidance Sign Internally Illuminated, 12" And 15" Letters *(34 43 13 13)*

34 43 13 13-0011	EA	Taxi Guidance Sign 1 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,543.19	227.72
		For LED, Add	*417.55*	
34 43 13 13-0012	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	3,925.48	227.72
		For LED, Add	*694.01*	
34 43 13 13-0013	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	5,528.58	284.65
		For LED, Add	*991.91*	
34 43 13 13-0014	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	6,961.01	341.59
		For LED, Add	*1,255.50*	
34 43 13 13-0015	EA	Taxi Guidance Sign 2 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,847.41	284.65
		For LED, Add	*455.68*	
34 43 13 13-0016	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	4,420.36	284.65
		For LED, Add	*770.27*	
34 43 13 13-0017	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	6,215.05	341.59
		For LED, Add	*1,106.31*	
34 43 13 13-0018	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	9,790.77	398.52
		For LED, Add	*1,798.89*	

34 43 13 13-0019 Taxi Guidance Sign Unlighted, 18" Letters *(34 43 13 13)*

34 43 13 13-0020	EA	Taxi Guidance Sign 1 Face, 4' Wide Unlighted, 18" Letters	2,081.86	142.33
		For LED, Add	*359.40*	
34 43 13 13-0021	EA	Taxi Guidance Sign 1 Face, 6' Wide Unlighted, 18" Letters	3,816.87	142.33
		For LED, Add	*706.40*	
34 43 13 13-0022	EA	Taxi Guidance Sign 1 Face, 8' Wide Unlighted, 18" Letters	5,537.84	170.79
		For LED, Add	*1,039.10*	
34 43 13 13-0023	EA	Taxi Guidance Sign 1 Face, 10' Wide Unlighted, 18" Letters	6,905.83	170.79
		For LED, Add	*1,312.70*	
34 43 13 13-0024	EA	Taxi Guidance Sign 2 Face, 4' Wide Unlighted, 18" Letters	2,377.63	170.79
		For LED, Add	*407.06*	
34 43 13 13-0025	EA	Taxi Guidance Sign 2 Face, 6' Wide Unlighted, 18" Letters	4,350.97	170.79
		For LED, Add	*801.73*	
34 43 13 13-0026	EA	Taxi Guidance Sign 2 Face, 8' Wide Unlighted, 18" Letters	6,227.71	227.72
		For LED, Add	*1,154.45*	
34 43 13 13-0027	EA	Taxi Guidance Sign 2 Face, 10' Wide Unlighted, 18" Letters	6,272.99	227.72
		For LED, Add	*1,163.51*	

34 43 13 13-0028 Distance Marker Sign, Internally Illuminated *(34 43 13 13)*

34 43 13 13-0029	EA	Distance Marker Sign, 48" x 48"	4,006.51	227.72

34 43 13 13-0030 Options And Accessories *(34 43 13 13)*

34 43 13 13-0031	EA	100 Watt Transformer Guidance Signs Accessories	371.50	56.93
34 43 13 13-0032	EA	Connection Kit For 1 Conduit Cable Guidance Signs Accessories	197.37	85.40
34 43 13 13-0033	EA	Base Housing, 12" Diameter Guidance Signs Accessories	490.37	113.86

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 13-0034		Tools *(34 43 13 13)*		
34 43 13 13-0035	EA	Impact Nut Driver Guidance Signs Accessories	462.35	
34 43 13 13-0036	EA	Leveling Tool Guidance Signs Accessories	233.56	
34 43 13 13-0037	EA	Contact Straightener Guidance Signs Accessories	102.48	
34 43 13 13-0038	EA	Installation Fixture Guidance Signs Accessories	476.65	
34 43 13 13-0039	EA	Drill Jig Guidance Signs Accessories	571.98	
34 43 13 13-0040	EA	Installation And Align Tool Guidance Signs Accessories	290.76	
34 43 13 13-0041	EA	Prism Setting Fixture Guidance Signs Accessories	407.92	
34 43 13 13-0042	EA	Pressure Test Fitting Guidance Signs Accessories	106.91	
34 43 13 13-0043	EA	Lifting Handles Guidance Signs Accessories	59.58	
34 43 13 13-0044	EA	Leveling Tool Guidance Signs Accessories	233.56	
34 43 13 13-0045	EA	Flector Alignment Tool Guidance Signs Accessories	190.68	
34 43 13 13-0046	EA	Lamp Extractor Guidance Signs Accessories	30.98	
34 43 13 13-0047	EA	Cable Stripper/Penciller Guidance Signs Accessories	310.01	
34 43 13 13-0048		Taxiway Marker Tubular Reflectors Post *(34 43 13 13)*		
		Note: With reflective strips on contract background.		
34 43 13 13-0049	EA	Taxiway Marker Reflector Post 18" With Reflector Strips On Contract Background	171.31	56.93
34 43 13 13-0050	EA	Taxiway Marker Reflector Post 24" With Reflector Strips On Contract Background	180.84	56.93
34 43 13 13-0051	EA	Taxiway Marker Reflector Post 30" With Reflector Strips On Contract Background	195.14	56.93
34 43 13 13-0052	EA	Taxiway Marker Reflector Post 36" With Reflector Strips On Contract Background	204.67	56.93
34 43 13 16		**Airfield Runway and Taxiway Inset Lighting** *(34 43 13)*		
34 43 13 16-0001		Runway And Taxiway Lights *(34 43 13 16)*		
34 43 13 16-0002		Runway In-Pavement Lights *(34 43 13 16-0001)*		
34 43 13 16-0003		Runway Centerline, Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)*		
		Note: L-850A.		
34 43 13 16-0004	EA	Uni-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,549.81	170.79
34 43 13 16-0005	EA	Uni-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	849.07	113.86
34 43 13 16-0006	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	891.84	113.86
34 43 13 16-0007	EA	Uni-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,517.94	170.79
34 43 13 16-0008	EA	Uni-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	840.08	113.86
34 43 13 16-0009	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	867.91	113.86
34 43 13 16-0010	EA	Bi-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,610.22	170.79
34 43 13 16-0011	EA	Bi-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	880.13	113.86
34 43 13 16-0012	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	925.05	113.86
34 43 13 16-0013	EA	Bi-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,576.76	170.79
34 43 13 16-0014	EA	Bi-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	870.70	113.86
34 43 13 16-0015	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	899.92	113.86
34 43 13 16-0016		Runway Touchdown Zone, Medium Intensity Approach Lighting System *(34 43 13 16-0002)*		
		Note: L-850B.		
34 43 13 16-0017	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Film Disc Cutout	1,406.69	170.79
34 43 13 16-0018	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Film Disc Cutout	724.80	113.86
34 43 13 16-0019	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Without Film Disc Cutout	1,378.09	170.79
34 43 13 16-0020	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Without Film Disc Cutout	696.22	113.86
34 43 13 16-0021		Runway Edge, Displaced Threshold *(34 43 13 16-0002)*		
		Note: L-850C.		
34 43 13 16-0022	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Film Disc Cutout	1,280.12	113.86
34 43 13 16-0023	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Film Disc Cutout	1,287.31	113.86
34 43 13 16-0024	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Without Film Disc Cutout	1,261.34	113.86
34 43 13 16-0025	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Without Film Disc Cutout	1,268.03	113.86
34 43 13 16-0026		Runway Threshold/End *(34 43 13 16-0002)*		
		Note: L-850D.		
34 43 13 16-0027	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,407.63	113.86
34 43 13 16-0028	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,429.38	113.86
34 43 13 16-0029	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,379.05	113.86
34 43 13 16-0030	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,383.66	113.86
34 43 13 16-0031	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,758.98	113.86
34 43 13 16-0032	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,787.20	113.86
34 43 13 16-0033	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,695.91	113.86
34 43 13 16-0034	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,701.78	113.86
34 43 13 16-0035	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,466.63	113.86
34 43 13 16-0036	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,489.47	113.86
34 43 13 16-0037	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,436.62	113.86
34 43 13 16-0038	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,441.45	113.86
34 43 13 16-0039	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,835.55	113.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0040	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,865.17	113.86
34 43 13 16-0041	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,769.32	113.86
34 43 13 16-0042	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,775.48	113.86
34 43 13 16-0043		Runway Threshold, Medium Intensity Approach Lighting System *(34 43 13 16-0002)* Note: L-850E.		
34 43 13 16-0044	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Film Disc Cutout	1,526.89	113.86
34 43 13 16-0045	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Without Film Disc Cutout	1,469.69	113.86
34 43 13 16-0046		Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)* Note: L-850F.		
34 43 13 16-0047	EA	Uni-Directional Runway LAHSO With Shallow Base And Film Disc Cutout	1,855.34	170.79
34 43 13 16-0048	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Film Disc Cutout	934.19	113.86
34 43 13 16-0049	EA	Uni-Directional Runway LAHSO With Shallow Base And Without Film Disc Cutout	1,814.70	170.79
34 43 13 16-0050	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Without Film Disc Cutout	893.57	113.86
34 43 13 16-0051		Runway Guard *(34 43 13 16-0002)* Note: L-852G.		
34 43 13 16-0052	EA	Uni-Directional 105 Watt Runway Guard Light With Shallow Base	1,358.63	170.79
34 43 13 16-0053	EA	Uni-Directional 105 Watt Runway Guard Light With Two (2) Cord Sets	1,118.07	170.79
34 43 13 16-0054		Stop Bar *(34 43 13 16-0002)* Note: L-852S.		
34 43 13 16-0055	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Film Disc Cutout	1,349.72	170.79
34 43 13 16-0056	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Film Disc Cutout	947.88	170.79
34 43 13 16-0057	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Without Film Disc Cutout	1,347.04	170.79
34 43 13 16-0058	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Without Film Disc Cutout	919.28	170.79
34 43 13 16-0059		Taxiway In-Pavement Lights *(34 43 13 16-0001)*		
34 43 13 16-0060		Taxiway Centerline, Straight Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range (RVR)) *(34 43 13 16-0059)* Note: L-852A or L-852C.		
34 43 13 16-0061	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,549.81	170.79
34 43 13 16-0062	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	974.85	113.86
34 43 13 16-0063	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,021.53	113.86
34 43 13 16-0064	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,529.08	170.79
34 43 13 16-0065	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	921.03	113.86
34 43 13 16-0066	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	964.35	113.86
34 43 13 16-0067	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,605.22	170.79
34 43 13 16-0068	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	1,009.13	113.86
34 43 13 16-0069	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,054.83	113.86
34 43 13 16-0070	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,583.53	170.79
34 43 13 16-0071	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	952.83	113.86
34 43 13 16-0072	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	995.24	113.86
34 43 13 16-0073		Taxiway Centerline, Curved Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range (RVR)) *(34 43 13 16-0059)* Note: L-852B or L-852D or L-852J or L-852K.		
34 43 13 16-0074	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,584.71	170.79
34 43 13 16-0075	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	972.52	113.86
34 43 13 16-0076	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,026.73	113.86
34 43 13 16-0077	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,486.39	170.79
34 43 13 16-0078	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	913.62	113.86
34 43 13 16-0079	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	966.05	113.86
34 43 13 16-0080	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,639.49	170.79
34 43 13 16-0081	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	1,005.34	113.86
34 43 13 16-0082	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,061.93	113.86
34 43 13 16-0083	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,534.29	170.79
34 43 13 16-0084	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	945.37	113.86
34 43 13 16-0085	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	996.95	113.86
34 43 13 16-0086		Taxiway Intersections; Clearance Bar (>= 1,200 Runway Visual Range (RVR)) *(34 43 13 16-0059)* Note: L-852E.		
34 43 13 16-0087	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,349.72	170.79
34 43 13 16-0088	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,593.65	170.79
34 43 13 16-0089	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,405.62	170.79
34 43 13 16-0090	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,563.17	170.79
34 43 13 16-0091	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	798.46	113.86
34 43 13 16-0092	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	1,005.49	170.79
34 43 13 16-0093	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	905.78	170.79
34 43 13 16-0094	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Film Disc Cutout	956.52	170.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0095	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,325.99	170.79
34 43 13 16-0096	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,564.19	170.79
34 43 13 16-0097	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,380.58	170.79
34 43 13 16-0098	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,534.43	170.79
34 43 13 16-0099	EA	Omni-Directional 45Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	779.57	113.86
34 43 13 16-0100	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	988.45	170.79
34 43 13 16-0101	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	891.31	170.79
34 43 13 16-0102	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	972.71	170.79
34 43 13 16-0103		Taxiway Intersections; Clearance Bar (<1,200 Runway Visual Range (RVR)) *(34 43 13 16-0059)*		
		Note: L-852F.		
34 43 13 16-0104	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,573.71	170.79
34 43 13 16-0105	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	1,009.75	170.79
34 43 13 16-0106	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,534.93	170.79
34 43 13 16-0107	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	988.72	170.79
34 43 13 16-0108		Taxiway Edge, Apron Edge *(34 43 13 16-0059)*		
		Note: L-852T.		
34 43 13 16-0109	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Film Disc Cutout	1,510.80	170.79
34 43 13 16-0110	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Without Film Disc Cutout	1,329.17	170.79
34 43 13 16-0111		Elevated Lights *(34 43 13 16-0001)*		
34 43 13 16-0112		Elevated Runway Guard *(34 43 13 16-0111)*		
		Note: L-804		
34 43 13 16-0113	EA	Elevated Runway Guard	1,977.49	113.86
34 43 13 16-0114		Elevated Runway Edge *(34 43 13 16-0111)*		
		Note: L-860		
34 43 13 16-0115	EA	14" Omni-Directional Elevated Runway Edge Light	638.01	142.33
34 43 13 16-0116	EA	24" Omni-Directional Elevated Runway Edge Light	648.14	142.33
34 43 13 16-0117	EA	30" Omni-Directional Elevated Runway Edge Light	726.49	142.33
34 43 13 16-0118		Elevated Runway Threshold/End *(34 43 13 16-0111)*		
		Note: L-860E		
34 43 13 16-0119	EA	14" Uni-Directional Elevated Runway Threshold/End Light	608.56	142.33
34 43 13 16-0120	EA	24" Uni-Directional Elevated Runway Threshold/End Light	617.85	142.33
34 43 13 16-0121	EA	30" Uni-Directional Elevated Runway Threshold/End Light	689.67	142.33
34 43 13 16-0122	EA	14" Bi-Directional Elevated Runway Threshold/End Light	624.76	142.33
34 43 13 16-0123	EA	24" Bi-Directional Elevated Runway Threshold/End Light	634.51	142.33
34 43 13 16-0124	EA	30" Bi-Directional Elevated Runway Threshold/End Light	709.92	142.33
34 43 13 16-0125		Elevated Runway Edge or Threshold/End, Displaced Threshold, Non-Precision IFR Runways *(34 43 13 16-0111)*		
		Note: L-861, L-861E, L-861SE or L-861T		
34 43 13 16-0126	EA	14" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	579.12	142.33
34 43 13 16-0127	EA	20" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	584.36	142.33
34 43 13 16-0128	EA	24" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	587.55	142.33
34 43 13 16-0129	EA	30" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	652.85	142.33
34 43 13 16-0130	EA	14" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	582.34	142.33
34 43 13 16-0131	EA	20" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	587.65	142.33
34 43 13 16-0132	EA	24" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	590.87	142.33
34 43 13 16-0133	EA	30" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	656.89	142.33
34 43 13 16-0134	EA	14" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	597.22	142.33
34 43 13 16-0135	EA	20" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	602.80	142.33
34 43 13 16-0136	EA	24" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	606.18	142.33
34 43 13 16-0137	EA	30" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	675.50	142.33
34 43 13 16-0138		Elevated Runway Edge or Threshold/End, Displaced Threshold, Precision IFR Runways *(34 43 13 16-0111)*		
		Note: L-862 Or L-862E		
34 43 13 16-0139	EA	14" Uni-Directional Elevated Runway Light, Precision IFR Runways	541.01	142.33
34 43 13 16-0140	EA	24" Uni-Directional Elevated Runway Light, Precision IFR Runways	546.37	142.33
34 43 13 16-0141	EA	30" Uni-Directional Elevated Runway Light, Precision IFR Runways	554.64	142.33
34 43 13 16-0142	EA	14" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	651.79	142.33
34 43 13 16-0143	EA	24" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	659.45	142.33
34 43 13 16-0144	EA	30" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	677.60	142.33
34 43 13 16-0145	EA	14" Bi-Directional Elevated Runway Light, Precision IFR Runways	553.83	142.33
34 43 13 16-0146	EA	24" Bi-Directional Elevated Runway Light, Precision IFR Runways	559.45	142.33
34 43 13 16-0147	EA	30" Bi-Directional Elevated Runway Light, Precision IFR Runways	568.14	142.33
34 43 13 16-0148	EA	14" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	670.14	142.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0149	EA	24" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	678.19	142.33
34 43 13 16-0150	EA	30" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	697.25	142.33
34 43 13 16-0151		Elevated Stop Bar *(34 43 13 16-0111)* Note: L-862S		
34 43 13 16-0152	EA	14" Uni-Directional Elevated Stop Bar	545.66	142.33
34 43 13 16-0153	EA	24" Uni-Directional Elevated Stop Bar	551.72	142.33
34 43 13 16-0154	EA	30" Uni-Directional Elevated Stop Bar	554.64	142.33
34 43 13 16-0155		Airfield Optional Accessories *(34 43 13 16-0001)*		
34 43 13 16-0156	EA	30/45 Watt Transformer, Airfield Optional Accessories	300.00	56.93
34 43 13 16-0157	EA	65 Watt Transformer, Airfield Optional Accessories	335.75	56.93
34 43 13 16-0158	EA	100 Watt Transformer, Airfield Optional Accessories	371.50	56.93
34 43 13 16-0159	EA	200 Watt Transformer, Airfield Optional Accessories	384.30	56.93
34 43 13 16-0160	EA	300 Watt Transformer, Airfield Optional Accessories	470.74	85.40
34 43 13 16-0161	EA	500 Watt Transformer, Airfield Optional Accessories	521.50	85.40
34 43 13 16-0162	EA	10" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	492.75	113.86
34 43 13 16-0163	EA	12" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	573.78	113.86
34 43 13 16-0164	EA	15" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	681.03	113.86
34 43 13 16-0165	EA	12" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories Note: L-867.	660.18	113.86
34 43 13 16-0166	EA	16" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories Note: L-867.	794.24	113.86
34 43 13 16-0167	EA	Connection Kit For Conduit Cable, Airfield Optional Accessories	197.38	85.40
34 43 13 16-0168	MLF	#8 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	1,455.63	
34 43 13 16-0169	MLF	#6 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	1,864.98	
34 43 13 16-0170	MLF	#4 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	2,472.05	
34 43 13 16-0171	EA	Frangible Coupling (Complete), Airfield Optional Accessories	159.19	6.72
34 43 13 16-0172	EA	Precast Concrete Base, Airfield Optional Accessories	591.51	92.23
34 43 13 23		**Airfield Short-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 23-0001		Land And Hold Short (LAHSO) Light System *(34 43 13 23)*		
34 43 13 23-0002	EA	Land And Hold Short (LAHSO) Lighting System, Five (5) Unidirectional Inpavement Light Fixtures (FAA L850A), Power Control And Monitoring Unit And Tower Control Panel	22,583.03	
34 43 13 26		**Airfield Omni-Directional-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 26-0001		Elevated Approach *(34 43 13 26)*		
34 43 13 26-0002	EA	Approach And Navigational Light 200 Watt - Heavy Duty Assembly Only Elevated Approach	530.88	113.86
		For LED, Add	*121.07*	
34 43 13 26-0003	EA	Approach And Navigational Light 300 Watt - Heavy Duty Assembly Only Elevated Approach	530.88	113.86
		For LED, Add	*121.07*	
34 43 13 26-0004	EA	Approach And Navigational Light 500 Watt - Heavy Duty Assembly Only Elevated Approach	530.88	113.86
		For LED, Add	*121.07*	
34 43 13 26-0005	EA	Approach And Navigational Light 200 Watt - With Filter Bracket Elevated Approach	572.91	125.25
		For LED, Add	*128.70*	
34 43 13 26-0006	EA	Approach And Navigational Light 300 Watt - With Filter Bracket Elevated Approach	572.91	125.25
		For LED, Add	*128.70*	
34 43 13 26-0007	EA	Approach And Navigational Light 500 Watt - With Filter Bracket Elevated Approach	572.91	125.25
		For LED, Add	*128.70*	
34 43 13 29		**Airfield Low-Intensity-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 29-0001		Rotating Beacon *(34 43 13 29)*		
34 43 13 29-0002	EA	Rotating Airport Beacon, 12 RPM, 400 Watt Metal Halide 1 Beam Clear, 400 Watt Metal Halide 1 Beam Green	31,657.94	2,721.33
34 43 13 29-0003	EA	Rotating Beam Single Drum, 12 RPM Clear Beam, 500 Watt Quartz	70,256.95	2,277.26
34 43 13 29-0004	EA	Rotating Beam, Double Drum, 6 RPM Clear And Green Beams, 1,000 Watt Quartz	76,277.27	2,504.99
34 43 13 29-0005	EA	Beacon Tower, Tubular Type, 51'	25,430.54	1,394.78
34 43 13 29-0006	EA	Weatherproof Panelboard, 4 - 15 Amperes Breakers	3,996.23	341.59
34 43 13 29-0007		Runway Approach Lights, Semi-Flush Unidirectional *(34 43 13 29)*		
34 43 13 29-0008	EA	Runway Approach Light, Unidirectional, S-Flash, 115 Watt With Shallow Insert Base	2,217.96	170.79
34 43 13 29-0009	EA	Runway Approach Light, Unidirectional, S-Flash, 200 Watt With Shallow Insert Base	2,241.79	170.79
34 43 13 29-0010	EA	Runway Approach Light, Unidirectional, TD Zone, 115 Watt S-Flash, For Mounted In Base Housing	838.32	113.86
34 43 13 29-0011	EA	Runway Approach Light, Unidirectional, TD Zone, 200 Watt S-Flash, For Mounted In Base Housing	881.22	113.86
34 43 13 33		**Airfield High-Intensity-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 33-0001		High Intensity Approach/ Threshold Light, Semi-Flush *(34 43 13 33)* Note: Unidirectional.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 33-0002	EA	High Intensity Approach Light, 500 Watt Quartz, Clear Semi-Flush, Unidirectional	3,218.93	170.79
		For LED, Add	*575.32*	
34 43 13 33-0003	EA	High Intensity Threshold Light, Clear 500 Watt Quartz, Semi-Flush, Unidirectional	3,500.15	170.79
		For LED, Add	*631.56*	
34 43 13 33-0004	EA	High Intensity Approach Light, 500 Watt Quartz, Red Semi-Flush, Unidirectional	3,162.92	170.79
		For LED, Add	*564.12*	
34 43 13 33-0005	EA	High Intensity Threshold/End Light, Green/Red Semi-Flush, Unidirectional	3,690.81	170.79
		For LED, Add	*669.70*	

34 43 13 36 Airfield Precision-Approach Path Indicator Equipment *(34 43 13)*

34 43 13 36-0001 Precision Approach Path Indicator *(34 43 13 36)*

34 43 13 36-0002	EA	Approach And Navigational Light Precision Approach Path Indicator - 4 System, 4 Units, 3 Projectors Per Unit	21,960.05	910.90
34 43 13 36-0003	EA	Approach And Navigational Light Series Power Kit (3 x 200), Precision Approach Path Indicator	2,624.22	227.72
34 43 13 36-0004	EA	Approach And Navigational Light Clinometer Precision Approach Path Indicator	2,204.76	227.72
34 43 13 36-0005	EA	Approach And Navigational Light Optical Bench Precision Approach Path Indicator	4,973.37	341.59
34 43 13 36-0006	EA	Approach And Navigational Light Radio Receiver, Air-Ground Precision Approach Path Indicator	3,422.61	227.72
34 43 13 36-0007	EA	Approach And Navigational Light Radio Receiver, Interface Unidirectional Precision Approach Path Indicator	1,084.63	227.72

34 43 23 Weather Observation Equipment *(34 43)*

34 43 23 16 Airfield Wind Cones *(34 43 23)*

34 43 23 16-0001 Wind Cone, 12 Foot Long, Illuminated With 16' Hinged Pole *(34 43 23 16)*

34 43 23 16-0002	EA	Wind Cone, 12' Lighted Assembly, With Light Rigid With Obstruction Light	24,119.71	1,366.35
34 43 23 16-0003	EA	Wind Cone, 12' Lighted Assembly Rigid	20,387.39	1,252.49
34 43 23 16-0004	EA	Wind Cone, 12' Unlighted Assembly, With Light Rigid With Obstruction Light	21,687.32	1,138.63
34 43 23 16-0005	EA	Wind Cone, 12' Unlighted Assembly Rigid	19,931.93	1,024.77
34 43 23 16-0006	EA	Wind Cone Slip Fitter, 2.5" Pipe	408.03	85.40
34 43 23 16-0007	EA	12' x 3' Wind Cone Cotton Sock With Frame	1,461.16	294.77
34 43 23 16-0008	EA	12' x 3' Wind Cone Nylon Sock With Frame	1,372.46	294.77
34 43 23 16-0009	EA	Booster Transformer, 1 KW Weatherproof Cabinet	1,473.64	170.79

34 43 23 16-0010 Wind Cone, Up To 8 Foot Long, Illuminated With 8' Hinged Pole *(34 43 23 16)*

34 43 23 16-0011	EA	Wind Cone, 8' Lighted Assembly With Light Frangible With Obstruction Light	18,317.51	1,138.63
34 43 23 16-0012	EA	Wind Cone, 8' Lighted Assembly Frangible	19,669.74	1,024.77
34 43 23 16-0013	EA	Wind Cone, 8' Lighted Assembly Rigid	15,461.33	1,024.77
34 43 23 16-0014	EA	Wind Cone, 8' Unlighted Assembly, With Light Rigid With Obstruction Light	16,607.06	1,024.77
34 43 23 16-0015	EA	Wind Cone, 8' Unlighted Assembly Frangible	19,873.16	910.90
34 43 23 16-0016	EA	Wind Cone, 8' Unlighted Assembly Rigid	15,233.61	910.90
34 43 23 16-0017	EA	8' x 1-1/2' Wind Cone Nylon Sock With Frame	834.05	294.77
34 43 23 16-0018	EA	Removal And Replacement Of 8' x 1-1/2' Wind Cone Nylon Sock	311.12	

34 43 26 Airfield Control Equipment *(34 43)*

34 43 26 13 Airfield Lighting Control Equipment *(34 43 26)*

34 43 26 13-0001 Power Cable Assemblies *(34 43 26 13)*

34 43 26 13-0002	EA	Approach And Navigational Light Upper Cable Assembly Power Cable Assemblies	221.21	85.40
34 43 26 13-0003	EA	Approach And Navigational Light Lower Cable Assembly Power Cable Assemblies	221.21	85.40
34 43 26 13-0004	EA	Approach And Navigational Light Cable Clamp Power Cable Assemblies	87.96	28.47

34 43 26 13-0005 Power Distribution And Control Equipment *(34 43 26 13)*

34 43 26 13-0006 Control Panel *(34 43 26 13-0005)*

34 43 26 13-0007	EA	Control Panel, Series Circuit Monitor 6.6 Amperes, 48 Volt DC Current	9,467.81	683.18
34 43 26 13-0008	EA	Key Selector Switch	123.28	37.00

34 43 26 13-0009 Series/Isolation Transformers *(34 43 26 13-0005)*

34 43 26 13-0010	EA	Series / Isolation Transformers 30/45 Watt - FAA	300.00	56.93
34 43 26 13-0011	EA	Series / Isolation Transformers 65 Watt - FAA	335.75	56.93
34 43 26 13-0012	EA	Series / Isolation Transformers 100 Watt - FAA	371.50	56.93
34 43 26 13-0013	EA	Series / Isolation Transformers 300 Watt - FAA	504.82	85.40
34 43 26 13-0014	EA	Series / Isolation Transformers 500 Watt - FAA	526.27	85.40
34 43 26 13-0015	EA	Series / Isolation Transformers 30/45 Watt - MIL	386.99	56.93
34 43 26 13-0016	EA	Series / Isolation Transformers 200 Watt - MIL	453.72	56.93
34 43 26 13-0017	EA	Series / Isolation Transformers 300 Watt - MIL	613.26	85.40
34 43 26 13-0018	EA	Series / Isolation Transformers 500 Watt - MIL	691.90	85.40

34 43 26 13-0019 Auxiliary Pilot Relay Cabinet *(34 43 26 13-0005)*

34 43 26 13-0020	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50/60 Hertz Auxiliary Pilot Relay Cabinet	4,681.22	455.45
34 43 26 13-0021	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50 Hertz Auxiliary Pilot Relay Cabinet	4,681.22	455.45
34 43 26 13-0022	EA	Relay Cabinet, 20 Circuit, 120 Volt, 60 Hertz Auxiliary Pilot Relay Cabinet	5,477.82	569.32
34 43 26 13-0023	EA	Master Timer Cabinet	19,516.02	1,233.94

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 26 13-0024		Radio Control *(34 43 26 13-0005)*		
34 43 26 13-0025	EA	Radio Control Receiver Controller	9,670.93	3,655.01
34 43 26 13-0026		Constant Current Regulator *(34 43 26 13-0005)*		
34 43 26 13-0027	EA	Constant Current Regulator, 10 KW - Wet Type Power Distribution And Control Equipment	14,710.98	683.18
34 43 26 13-0028	EA	Constant Current Regulator, 20 KW - Wet Type Power Distribution And Control Equipment	25,406.20	1,024.77
34 43 26 13-0029	EA	Constant Current Regulator, 50 KW - Wet Type Power Distribution And Control Equipment	35,779.91	1,707.95
34 43 26 13-0030	EA	Constant Current Regulator, 4 KW - Dry Type Power Distribution And Control Equipment	5,688.35	341.59
34 43 26 13-0031	EA	Constant Current Regulator, 7.5 KW - Dry Type Power Distribution And Control Equipment	8,299.01	455.45
34 43 26 13-0032	EA	Constant Current Regulator, 10 KW - Dry Type Power Distribution And Control Equipment	10,659.44	683.18
34 43 26 13-0033		Lamp Failure Detector *(34 43 26 13-0005)*		
34 43 26 13-0034	EA	Lamp Failure Detector, 120/240 Volt, 1 - 6.6 Amperes And 3 - 20 Amperes Circuit Monitoring	12,762.67	455.45
34 43 26 13-0035		Accessories *(34 43 26 13-0005)*		
34 43 26 13-0036	EA	Plug Cutout Power Distribution And Control Equipment Accessory	1,349.17	227.72
34 43 26 13-0037	EA	Primary Connector Kit Power Distribution And Control Equipment Accessory	254.43	113.86
34 43 26 13-0038	EA	Secondary Connector Kit Power Distribution And Control Equipment Accessory	271.11	113.86
34 43 26 13-0039	EA	Heat Shrink Kit Power Distribution And Control Equipment Accessory	356.63	170.79
34 43 26 13-0040		Runway Lighting Cable *(34 43 26 13-0005)*		
34 43 26 13-0041	LF	Electric Type "C" Cable	11.04	1.14
34 43 26 13-0042		Terminal Blocks *(34 43 26 13-0005)*		
34 43 26 13-0043	EA	Terminal Blocks	137.34	12.30
34 43 26 13-0044		Tower Lighting Controllers *(34 43 26 13)*		
34 43 26 13-0045	EA	Tower Light Controllers 0-150' Tower Cabinets Only	4,047.47	910.90
34 43 26 13-0046	EA	Light Controllers 150-450' Tower Cabinets Only	7,083.69	1,024.77
34 43 26 13-0047	EA	One Obstruction Light Alarm	2,638.76	455.45
34 43 26 13-0048	EA	2 Obstruction Lights And 1 Beacon Alarm, Flasher Fail Safe	5,440.10	683.18
34 43 26 13-0049	EA	Alarm Test Switch For 2 Lights Obstruction	4,986.28	455.45
34 43 26 13-0050		Junction Boxes And Tower Accessories *(34 43 26 13)*		
34 43 26 13-0051	EA	Size 1 Junction Box, With 4 Hubs, 4" Diameter x 2" Deep	375.97	113.86
34 43 26 13-0052	EA	Size 2 Junction Box, With 2 Or 4 Hubs, 8" x 4" x 2.5"	628.07	142.33
34 43 26 13-0053	EA	Size 3 Junction Box, With 4 Hubs 8 1/2" x 11 5/8" x 3 5/8"	1,002.49	170.79
34 43 26 13-0054	EA	Size 4 Junction Box, With 4 Hubs, 18" x 12" x 6"	1,384.92	227.72
34 43 26 13-0055	EA	Junction Box Breather, Screened 1" Nipple With Threaded 90 Degree Elbow	263.96	113.86
34 43 26 13-0056	EA	Junction Box Drain, Screened 1" Nipple	263.96	113.86
34 43 26 13-0057	EA	Wraplock Tape, Galvanized Steel 100' Roll	1,436.29	683.18
34 43 26 13-0058	EA	Telephone Jack Assembly In Field Box With 1/2" Hub	653.50	113.86
34 43 26 13-0059	EA	Elevated Approach Bar	12,078.71	3,930.44
34 43 26 13-0060		Lighting Kits For Towers *(34 43 26 13)*		
		Note: Includes fixtures, junction boxes, controllers, accessories, less wire and conduit.		
34 43 26 13-0061	EA	Lighting Kits For Up To 100' Tower	10,655.01	4,055.25
34 43 26 13-0062	EA	Lighting Kits For From 101'-150' Tower	19,671.16	5,069.06
34 43 26 13-0063	EA	Lighting Kits For From 151'-200' Tower	24,619.53	7,603.59
34 43 26 13-0064	EA	Lighting Kits For From 201'-300' Tower	32,396.06	11,405.39
34 43 26 13-0065	EA	Lighting Kits For From 301'-450' Tower	56,338.59	18,755.52
34 43 26 13-0066		Junction Boxes And Tower Accessories *(34 43 26 13)*		
34 43 26 13-0067	EA	Termination Bar Complete	7,202.00	1,233.94

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001		Concrete Median Barrier *(34 71 13 13)*		
34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	61.30	4.56
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	108.35	4.56
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	157.38	4.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	43.66	6.15
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	36.96	3.63

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel	615.74	55.97
		Note: Includes containers, inserts, and lid.		

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Mobilize Guide Rail Crew *(34 71 13 26)*

34 71 13 26-0002	EA	Mobilize Guide Rail Crew	1,416.90	
		Note: Excludes equipment mobilization.		

34 71 13 26-0003 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0004 Corrugated Beam Guide Railing *(34 71 13 26-0003)*

34 71 13 26-0005 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0006	LF	Corrugated Beam Guide Railing	19.31	2.53
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	20.80	2.53

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	25.18	2.53
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	27.25	2.53
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End	64.36	2.53
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	70.21	2.53
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0003)*

34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	146.58	33.40
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	154.58	33.40
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	194.57	33.40
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	202.57	33.40
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	194.57	33.40
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	202.57	33.40

34 71 13 26-0020 Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*

Note: Includes mounting hardware.

34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail	150.53	16.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.51*	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	158.52	16.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.51*	
34 71 13 26-0023	EA	Extra Long Post For Corrugated Beam Guide Rail	166.52	16.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.51*	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	174.52	16.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.51*	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	150.53	16.92
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.51*	
34 71 13 26-0026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	214.51	16.92
		For Installation In Rock, Add	*4.51*	

34 71 13 26-0027 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*

Note: Includes mounting hardware. Excludes triangular mounting brackets.

34 71 13 26-0028	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	150.53	16.92
34 71 13 26-0029	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	158.52	16.92
34 71 13 26-0030	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	166.52	16.92
34 71 13 26-0031	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	174.52	16.92
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0032	EA	Type A Post 1630mm Post	146.53	16.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033	EA	Type A Post 1630mm Post (Rustic)	154.53	16.92
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034	EA	Type B Post 1460mm	138.53	16.92
		Note: For heavy post blocked out corrugated beam guide rail		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0035	EA	Type B Post 1460mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	146.53	16.92
34 71 13 26-0036	EA	Type C Post 1290mm Note: For heavy post blocked out corrugated beam guide rail	130.53	16.92
34 71 13 26-0037	EA	Type C Post 1290mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	138.53	16.92
34 71 13 26-0038	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	551.70	16.92
34 71 13 26-0039	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam Note: For heavy post blocked out corrugated beam guide rail.	62.55	16.92
34 71 13 26-0040		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0041	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	130.59	37.95
34 71 13 26-0042		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)* Note: Includes associated hardware.		
34 71 13 26-0043	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	14.83	
34 71 13 26-0044	EA	Install Stored Post For Corrugated Beam Guide Rail	50.61	
34 71 13 26-0045	LF	Install Stored Corrugated Beam Guide Railing And Post	8.60	
34 71 13 26-0046		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0047		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0046)* Note: Add additional length for back-up sections.		
34 71 13 26-0048	LF	Corrugated Thrie Beam Guide Railing	45.08	3.19
34 71 13 26-0049	LF	Corrugated Thrie Beam Guide Railing (Rustic)	47.52	3.19
34 71 13 26-0050		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0046)* Note: Add additional length for back-up sections.		
34 71 13 26-0051	LF	Shop Curved Corrugated Thrie Beam Guide Railing	54.83	3.19
34 71 13 26-0052	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	57.27	3.19
34 71 13 26-0053		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0046)* Note: Includes hardware for mounting.		
34 71 13 26-0054	EA	Standard Post For Corrugated Thrie Beam Guide Rail	180.20	3.19
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0055	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	188.20	3.19
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0056		**Timber Guide Rails** *(34 71 13 26)* Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057		**Timber Guide Rail Posts** *(34 71 13 26-0056)*		
34 71 13 26-0058	EA	6" x 8" Timber Guide Rail Post	116.40	12.65
34 71 13 26-0059	EA	6" x 9" Timber Guide Rail Post	132.88	12.65
34 71 13 26-0060	EA	10" x 10" Timber Guide Rail Post	262.06	12.65
34 71 13 26-0061	EA	10" x 12" Timber Guide Rail Post	277.47	12.65
34 71 13 26-0062	EA	12" x 12" Timber Guide Rail Post	321.38	12.65
34 71 13 26-0063		**Timber Guide Rails** *(34 71 13 26-0056)* Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064	LF	4" x 9" Timber Guide Rail	14.45	1.52
34 71 13 26-0065	LF	6" x 10" Timber Guide Rail	20.38	1.52
34 71 13 26-0066	LF	6" x 12" Timber Guide Rail	23.86	1.52
34 71 13 26-0067		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0068	EA	4" x 9" Spacer Block For Timber Guide Rails	18.81	2.03
34 71 13 26-0069	EA	6" x 8" Spacer Block For Timber Guide Rails	21.66	2.03
34 71 13 26-0070	EA	8" x 8" Spacer Block For Timber Guide Rails	25.29	2.03
34 71 13 26-0071		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0072	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	26.30	1.27
34 71 13 26-0073		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0074	EA	Weathering Steel Splice Plate For Timber Guide Rails	182.27	17.71
34 71 13 26-0075	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	114.21	12.65
34 71 13 26-0076		**Cable Guide Rail** *(34 71 13 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0077		**Cable Guide Rail** *(34 71 13 26-0076)*		
34 71 13 26-0078	LF	Cable (Each Cable) Note: Includes tensioning. Excludes splices.	10.46	2.73
34 71 13 26-0079	EA	Cable Splice With Wedges	265.24	18.98
34 71 13 26-0080		**Cable Guide Rail Posts** *(34 71 13 26-0076)* Note: Includes hardware for cable mounting.		
34 71 13 26-0081	EA	Standard Post for Cable Guide Rail	195.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0082	EA	Standard Post (Rustic) for Cable Guide Rail	203.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0083	EA	Extra Long Post for Cable Guide Rail	203.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0084	EA	Extra Long Post (Rustic) for Cable Guide Rail	211.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0085	EA	Slip Impact Post Top for Anchor Unit	126.05	22.56
34 71 13 26-0086	EA	Slip Impact Post Base and Keeper Plate Note: For anchor unit.	326.00	22.56
34 71 13 26-0087		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0076)*		
34 71 13 26-0088	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	609.96	253.53
34 71 13 26-0089	EA	Turnbuckle Cable End Assembly	176.86	12.68
34 71 13 26-0090	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	568.25	6.30
34 71 13 26-0091	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	584.25	6.30
34 71 13 26-0092	EA	Breakaway Anchor Angle	224.85	12.68
34 71 13 26-0093	EA	Standard End Post Cap Assembly	104.37	6.30
34 71 13 26-0094	EA	Driveway End Post Cap Assembly	88.38	6.30
34 71 13 26-0095	EA	End Post Ground Support Plates	48.39	6.30
34 71 13 26-0096	EA	11" Stud Bolt, Cable Guide Rail	42.39	6.30
34 71 13 26-0097	EA	18" Stud Bolt, Cable Guide Rail	50.39	6.30
34 71 13 26-0098	EA	25" Stud Bolt, Cable Guide Rail	58.39	6.30
34 71 13 26-0099	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	496.77	12.68
34 71 13 26-0100	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	528.77	12.68
34 71 13 26-0101	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	352.81	12.68
34 71 13 26-0102	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	216.35	6.30
34 71 13 26-0103	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	224.85	12.68
34 71 13 26-0104	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	241.24	18.98
34 71 13 26-0105		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0076)*		
34 71 13 26-0106	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	401.01	18.83
34 71 13 26-0107	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	784.91	18.83
34 71 13 26-0108	EA	Anchor Angle For Slip Impact Post System	233.06	18.83
34 71 13 26-0109	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	193.07	18.83
34 71 13 26-0110		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0076)* Note: Includes associated hardware.		
34 71 13 26-0111	LF	Retention Existing Cable (Each Cable)	1.69	
34 71 13 26-0112	LF	Removal And Storage Of Cable Guide Railing	10.19	
34 71 13 26-0113	EA	Install Stored Post For Cable Guide Railing	75.19	
34 71 13 26-0114	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	4.51	
34 71 13 26-0115		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0116		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0115)*		
34 71 13 26-0117		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0116)*		
34 71 13 26-0118	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	54.22	3.19
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0119	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	61.54	3.19
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0120		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0116)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0121	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	82.26	3.19
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0122	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	89.57	3.19
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0123		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0115)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	850.40	37.95
34 71 13 26-0125	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	938.38	37.95
34 71 13 26-0126	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	802.41	37.95
34 71 13 26-0127	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	834.40	37.95
34 71 13 26-0128		**Splices For Box Beam Guide Rail** *(34 71 13 26-0115)*		
34 71 13 26-0129	EA	Splice For Box Beam Guide Rail	232.65	56.34
34 71 13 26-0130	EA	Splice For Box Beam Guide Rail (Rustic)	288.63	56.34
34 71 13 26-0131		**Box Beam Guide Rail Posts** *(34 71 13 26-0115)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0132	EA	Standard Post For Box Beam Guide Rail	203.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0133	EA	Standard Post (Rustic) for Box Beam Guide Railing	211.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0134	EA	Extra Long Post For Box Beam Guide Rail	219.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0135	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	227.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0136	EA	Type I End Assembly Post	195.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0137	EA	Type I End Assembly Post (Rustic)	203.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0138	EA	Type II End Assembly Post	187.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0139	EA	Type II End Assembly Post (Rustic)	195.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0140		**Box Beam Guide Rail Accessories** *(34 71 13 26-0115)*		
34 71 13 26-0141	EA	Box Beam Guide Rail End Cover Plate	111.15	11.38
34 71 13 26-0142	EA	Box Beam Guide Rail End Cover Plate (Rustic)	119.15	11.38
34 71 13 26-0143		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0115)* Note: For existing guide rail.		
34 71 13 26-0144	LF	Removal And Storage Of Box Beam Guide Rail And Post	5.00	
34 71 13 26-0145	LF	Reset Box Beam Guide Rail	14.59	
34 71 13 26-0146		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0147		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0146)*		
34 71 13 26-0148		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0147)*		
34 71 13 26-0149	LF	Box Beam Median Barrier Galvanized Excludes Splices	91.97	11.38
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0150	LF	Box Beam Median Barrier (Rustic) Excludes Splices	99.28	11.38
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0151		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0147)*		
34 71 13 26-0152	LF	Shop Curved Box Beam Median Barrier Galvanized Note: Excludes splices.	111.19	11.38
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0153	LF	Shop Curved Box Beam Median Barrier Rustic Note: Excludes splices.	135.19	11.38
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0154		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0146)* Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0155	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	2,761.90	37.95
34 71 13 26-0156	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic) Note: Excludes splices and post.	2,825.88	37.95
34 71 13 26-0157	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	2,761.90	37.95
34 71 13 26-0158	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic) Note: Excludes splices and post.	2,825.88	37.95
34 71 13 26-0159		**Splices For Box Beam Median Barrier** *(34 71 13 26-0146)*		
34 71 13 26-0160	EA	Splice for Box Beam Median Barrier	216.43	30.37
34 71 13 26-0161	EA	Splice for Box Beam Median Barrier (Rustic)	336.40	30.37
34 71 13 26-0162		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0146)* Note: Includes all associated hardware.		
34 71 13 26-0163	EA	Standard Post for Box Beam Median Barrier	203.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0164	EA	Standard Post (Rustic) for Box Beam Median Barrier	211.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0165	EA	Extra Long Post for Box Beam Median Barrier	219.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0166	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	227.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0167	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier.	187.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0168	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier.	187.16	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0169	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition.	219.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0170	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition.	227.15	56.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.04*	
34 71 13 26-0171		**Box Beam Median Barrier Accessories** *(34 71 13 26-0146)*		
34 71 13 26-0172	EA	Box Beam Median Barrier End Cover Plate	140.45	26.72
34 71 13 26-0173	EA	Box Beam Median Barrier End Cover Plate (Rustic)	148.45	26.72
34 71 13 26-0174		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0146)* Note: For existing guide rail.		
34 71 13 26-0175	LF	Removal And Storage Of Box Beam Median Barrier and Posts	5.17	
34 71 13 26-0176	LF	Reset Box Beam Median Barrier	15.27	
34 71 13 26-0177		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0178		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0177)* Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179	CY	Guide Rail Concrete Anchor Unit	862.24	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0180	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	580.36	
34 71 13 26-0181	EA	Removal Of Guide Rail Concrete Anchor Unit	608.20	
34 71 13 26-0182		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0177)* Note: Includes associated hardware.		
34 71 13 26-0183	EA	Straighten And Reset Driven Post For Guide Rail	75.19	
34 71 13 26-0184	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail Note: With base plate for guide rail. Includes new anchor bolts.	86.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0185		Additional Wood and Steel Posts *(34 71 13 26-0177)*		
34 71 13 26-0186	LF	4" x 6" Wood Post	63.10	18.84
		For Installation In Rock, Add	*5.02*	
34 71 13 26-0187	LF	6" x 8" Wood Post	75.09	18.84
		For Installation In Rock, Add	*5.02*	
34 71 13 26-0188	LF	6" x 7/8" Galvanized Steel Post	47.77	18.84
		For Installation In Rock, Add	*5.02*	
34 71 13 26-0189	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	434.95	18.83
34 71 13 26-0190		Accessories For All Types of Guide Rail *(34 71 13 26-0177)*		
34 71 13 26-0191	EA	Reflector For Guard Rail	52.24	
34 71 13 26-0192		Guide Rail Transitions *(34 71 13 26)*		
34 71 13 26-0193		Transition Box Beam Guide Rail To Corrugated Beam *(34 71 13 26-0192)*		
34 71 13 26-0194	EA	Box Beam To Corrugated Beam Rail Bolted Section	817.90	
34 71 13 26-0195	EA	Box Beam To Corrugated Beam Rail Bolted Plate Note: For making cable connections.	497.99	
34 71 13 26-0196		Transition Box Beam Median Barrier To Corrugated Beam Median *(34 71 13 26-0192)*		
34 71 13 26-0197	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	833.90	
34 71 13 26-0198	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	497.99	
34 71 13 26-0199		Transition Box Beam Guide Rail To Cable Guide Rail *(34 71 13 26-0192)*		
34 71 13 26-0200	EA	Box Beam to Cable Guide Rail U-bolt And Plate	113.79	20.24
34 71 13 26-0201		Transition Box Beam Median Barrier To Concrete Median Barrier *(34 71 13 26-0192)*		
34 71 13 26-0202	EA	Box Beam Median Barrier To Concrete Barrier End Connection	1,137.82	
34 71 13 26-0203		Transition Thrie Beam To Concrete Median Barrier *(34 71 13 26-0192)*		
34 71 13 26-0204	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	737.93	
34 71 13 26-0205	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	937.87	
34 71 13 26-0206		Resilient Guard Fence And Light Shield *(34 71 13 26)*		
34 71 13 26-0207	LF	Resilient Guard Fence And Light Shield, Up To 6' High	100.03	7.79
34 71 13 26-0208		Individual Concrete Guard Rail Posts *(34 71 13 26)*		
34 71 13 26-0209	EA	6'-5" Concrete Guard Rail Posts, Round	82.97	7.79
34 71 13 26-0210	EA	6'-5" Concrete Posts, Square	92.93	8.76
34 71 13 26-0211	EA	6'-5" Concrete Posts, Triangular	90.68	8.76
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		Guard Rail Energy Absorbing Terminals *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		24" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	37,182.63	3,783.20
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	51,630.29	5,044.27
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	70,451.53	6,620.60
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	78,345.45	8,196.93
34 71 16 00-0007		30" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	40,046.65	4,256.10
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	55,773.95	5,674.80
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	76,536.90	7,566.40
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	87,674.59	9,142.73
34 71 16 00-0012		36" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	42,943.44	4,729.00
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	59,949.58	6,305.34
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	81,960.74	8,354.56
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	96,969.94	10,088.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0017		**69" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	46,505.57	5,201.90
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	64,384.57	6,935.87
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	88,420.38	9,142.73
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	104,123.78	11,034.34
34 71 16 00-0022		**90" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	50,164.25	5,674.80
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	68,933.00	7,566.40
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	95,737.75	10,088.53
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	111,476.94	11,980.14
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	97.97	9.73
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator	99.32	9.73
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	100.68	9.73
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator	102.03	9.73
34 80		**Bridges** *(34)*		
34 82		**Bridge Specialties** *(34 80)*		
34 82 23		**Bridge Railing** *(34 82)*		
34 82 23 00-0001		Metal Bridge Railing *(34 82 23)* Note: Includes hardware for bridge rail mounting.		
34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing	40.48	3.76
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing	69.56	5.86
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing	89.36	8.59
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing	118.48	10.81
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing	95.28	8.34
34 82 23 00-0007		Bridge Post *(34 82 23)* Note: Includes hardware for bridge post mounting.		
34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post	176.52	53.84
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post	215.76	57.21
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly	484.93	100.95
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly	589.10	107.69
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly	541.23	107.69
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly	643.13	107.69
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly	503.87	107.69
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly	672.49	111.06
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly	659.87	111.06
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly	803.16	111.06
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post	558.22	114.41
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post	558.35	114.41
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly	814.45	114.41
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly	835.25	114.41
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly	618.55	121.14
34 82 23 00-0023		Bridge Railing Splices *(34 82 23)* Note: Includes hardware for splices.		
34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice	246.87	25.97
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice	149.51	22.72
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice	92.82	16.23
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice	48.54	11.68
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube	189.43	25.10
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar	201.13	25.10
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube	174.05	25.10
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar	178.28	25.10
34 82 23 00-0032	EA	6" x 6' x 3/16" Box x 9' Flare Tube	255.79	33.91
34 82 23 00-0033		Transition For Bridge Railing *(34 82 23)* Note: Includes hardware for transition for bridge railing.		
34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices	1,040.91	134.60
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices	1,106.93	141.34
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices	1,283.75	148.07
34 82 23 00-0037	EA	6" x 6" x 16-1/2' Bottom Transition Tube	444.12	67.30
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube	543.75	74.04
34 82 23 00-0039	EA	8" x 6" x 16-1/2' Bottom Transition Tube	512.98	67.30
34 82 23 00-0040	EA	6" x 6" x 16-1/2' Top Transition Tube	454.47	67.30
34 82 23 00-0041	EA	6" x 6" x 21-1/2' Top Transition Tube	535.20	74.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0042	EA	8" x 6" x 16-1/2' Top Transition Tube	525.82	67.30
34 82 23 00-0043	EA	6" x 6" x 16-1/2' Middle Transition Tube	429.93	67.30
34 82 23 00-0044	EA	8" x 6" x 16-1/2' Middle Transition Tube	519.40	67.30

34 82 23 00-0045 Anchor Plates And End Caps For Bridge Railing *(34 82 23)*

34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate	46.73	6.49
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate	278.98	32.46
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap	37.01	3.25
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap	23.72	3.25
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap	23.56	3.25

34 82 26 Bridge Slope Protection *(34 82)*

34 82 26 00-0001 Bridge Slope Protection *(34 82 26)*

Note: Solid concrete masonry unit installed in sand bedding.

34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection	14.18	5.22
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection	17.09	5.75
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection	18.99	6.11

END OF SECTION 34

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)	40.86	
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)	81.36	
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)	119.21	
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	133.10	

35 20 Waterway and Marine Construction and Equipment *(35)*

35 22 Hydraulic Gates *(35 20)*

35 22 26 Sluice Gates *(35 22)*

35 22 26 00-0001 Heavy Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*
Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	10,453.89	1,243.33
		For Electric Motor Operated Valve, Add	*1,098.67*	
35 22 26 00-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	14,976.50	1,865.05
		For Electric Motor Operated Valve, Add	*1,223.01*	
35 22 26 00-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	18,133.40	2,131.49
		For Electric Motor Operated Valve, Add	*1,276.30*	
35 22 26 00-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	20,675.54	2,331.32
		For Electric Motor Operated Valve, Add	*1,316.26*	
35 22 26 00-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	23,205.65	2,664.36
		For Electric Motor Operated Valve, Add	*1,382.87*	
35 22 26 00-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	32,525.67	4,262.98
		For Electric Motor Operated Valve, Add	*1,702.60*	
35 22 26 00-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	43,325.35	5,328.73
		For Electric Motor Operated Valve, Add	*1,915.75*	
35 22 26 00-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	50,569.48	7,060.56
		For Electric Motor Operated Valve, Add	*2,262.11*	
35 22 26 00-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	62,974.31	9,325.27
		For Electric Motor Operated Valve, Add	*2,715.06*	
35 22 26 00-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	66,153.00	10,657.46
		For Electric Motor Operated Valve, Add	*2,981.49*	
35 22 26 00-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	74,156.17	10,657.46
		For Electric Motor Operated Valve, Add	*3,381.49*	
35 22 26 00-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	85,996.51	11,989.63
		For Electric Motor Operated Valve, Add	*3,647.93*	
35 22 26 00-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	103,322.51	13,748.55
		For Electric Motor Operated Valve, Add	*3,999.71*	
35 22 26 00-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	116,451.56	14,403.24
		For Electric Motor Operated Valve, Add	*4,130.65*	
35 22 26 00-0016	EA	108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	144,299.78	17,022.01
		For Electric Motor Operated Valve, Add	*4,654.40*	
35 22 26 00-0017	EA	120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	178,272.07	20,950.17
		For Electric Motor Operated Valve, Add	*5,440.03*	
35 22 26 00-0018	EA	132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	217,487.90	23,568.94
		For Electric Motor Operated Valve, Add	*5,963.79*	

35 22 59 Hydraulic Closure Gates *(35 22)*

35 22 59 00-0001 Steel Slide Gates Self Contained *(35 22 59)*
Note: Includes anchors and bolts.

35 22 59 00-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,595.57	466.27
		For Electric Motor Operated Valve, Add	*943.25*	
35 22 59 00-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	4,792.08	532.88
		For Electric Motor Operated Valve, Add	*956.57*	
35 22 59 00-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,467.83	621.73
		For Electric Motor Operated Valve, Add	*974.34*	
35 22 59 00-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,607.38	746.02
		For Electric Motor Operated Valve, Add	*999.20*	
35 22 59 00-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	8,455.60	932.53
		For Electric Motor Operated Valve, Add	*1,036.51*	
35 22 59 00-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	9,910.68	1,243.33
		For Electric Motor Operated Valve, Add	*1,098.67*	
35 22 59 00-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	13,587.19	1,865.05
		For Electric Motor Operated Valve, Add	*1,223.01*	
35 22 59 00-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	20,626.51	2,331.32
		For Electric Motor Operated Valve, Add	*1,316.26*	
35 22 59 00-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	26,906.16	3,730.11
		For Electric Motor Operated Valve, Add	*1,596.02*	

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35 22 59 00-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	34,288.83	6,216.90
		For Electric Motor Operated Valve, Add	*2,093.37*	
35 22 59 00-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	950.99	171.85
		For Electric Motor Operated Valve, Add	*1,584.37*	

35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only *(35 22 59)*

35 22 59 00-0014	EA	24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	19,041.36	608.81
35 22 59 00-0015	EA	30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	23,543.22	760.67
35 22 59 00-0016	EA	36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	30,026.76	927.20
35 22 59 00-0017	EA	48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	45,817.18	1,775.80
35 22 59 00-0018	EA	60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	67,453.48	3,875.31
35 22 59 00-0019	EA	72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	88,587.31	5,920.21
35 22 59 00-0020	EA	84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	133,892.50	7,401.60
35 22 59 00-0021	Day	Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,572.19	

35 22 59 00-0022 Aluminum Flap Gates *(35 22 59)*

35 22 59 00-0023	EA	18" Diameter Aluminum Flap Gates	3,486.12	466.27
		For Electric Motor Operated Valve, Add	*943.25*	
35 22 59 00-0024	EA	20" Diameter Aluminum Flap Gates	3,879.25	499.57
		For Electric Motor Operated Valve, Add	*949.91*	
35 22 59 00-0025	EA	24" Diameter Aluminum Flap Gates	4,268.94	532.88
		For Electric Motor Operated Valve, Add	*956.57*	
35 22 59 00-0026	EA	30" Diameter Aluminum Flap Gates	5,783.63	621.73
		For Electric Motor Operated Valve, Add	*974.34*	
35 22 59 00-0027	EA	36" Diameter Aluminum Flap Gates	7,169.03	746.02
		For Electric Motor Operated Valve, Add	*999.20*	
35 22 59 00-0028	EA	42" Diameter Aluminum Flap Gates	10,142.67	932.53
		For Electric Motor Operated Valve, Add	*1,036.51*	
35 22 59 00-0029	EA	48" Diameter Aluminum Flap Gates	12,835.85	1,243.33
		For Electric Motor Operated Valve, Add	*1,098.67*	
35 22 59 00-0030	EA	54" Diameter Aluminum Flap Gates	16,616.43	1,865.05
		For Electric Motor Operated Valve, Add	*1,223.01*	
35 22 59 00-0031	EA	60" Diameter Aluminum Flap Gates	21,973.22	2,664.36
		For Electric Motor Operated Valve, Add	*1,382.87*	
35 22 59 00-0032	EA	66" Diameter Aluminum Flap Gates	28,426.26	3,730.11
		For Electric Motor Operated Valve, Add	*1,596.02*	
35 22 59 00-0033	EA	72" Diameter Aluminum Flap Gates	35,476.42	5,328.73
		For Electric Motor Operated Valve, Add	*1,915.75*	

35 22 59 00-0034 Stainless Steel Flap Gates *(35 22 59)*

35 22 59 00-0035	EA	12" x 12" Stainless Steel Flap Gate	7,686.12	399.66
		For Electric Motor Operated Valve, Add	*929.93*	
35 22 59 00-0036	EA	18" x 18" Stainless Steel Flap Gate	9,849.84	466.27
		For Electric Motor Operated Valve, Add	*943.25*	
35 22 59 00-0037	EA	24" x 24" Stainless Steel Flap Gate	12,699.80	532.88
		For Electric Motor Operated Valve, Add	*956.57*	
35 22 59 00-0038	EA	30" x 30" Stainless Steel Flap Gate	16,537.98	622.13
		For Electric Motor Operated Valve, Add	*974.34*	
35 22 59 00-0039	EA	36" x 36" Stainless Steel Flap Gate	24,557.11	746.02
		For Electric Motor Operated Valve, Add	*999.20*	
35 22 59 00-0040	EA	48" x 48" Stainless Steel Flap Gate	35,961.92	1,242.92
		For Electric Motor Operated Valve, Add	*1,098.67*	
35 22 59 00-0041	EA	60" x 60" Stainless Steel Flap Gate	55,047.97	2,664.36
		For Electric Motor Operated Valve, Add	*1,382.87*	
35 22 59 00-0042	EA	72" x 72" Stainless Steel Flap Gate	79,713.53	5,328.73
		For Electric Motor Operated Valve, Add	*1,915.75*	
35 22 59 00-0043	EA	84" x 84" Stainless Steel Flap Gate	114,413.70	10,657.46
		For Electric Motor Operated Valve, Add	*2,981.49*	

35 22 59 00-0044 Cast Iron Flap Gates *(35 22 59)*

35 22 59 00-0045	EA	12" x 12" Cast Iron Flap Gate	13,647.50	499.57
		For Electric Motor Operated Valve, Add	*949.91*	
35 22 59 00-0046	EA	18" x 18" Cast Iron Flap Gate	19,186.41	583.49
		For Electric Motor Operated Valve, Add	*966.57*	
35 22 59 00-0047	EA	24" x 24" Cast Iron Flap Gate	24,504.41	666.09
		For Electric Motor Operated Valve, Add	*983.22*	
35 22 59 00-0048	EA	30" x 30" Cast Iron Flap Gate	34,380.75	776.66
		For Electric Motor Operated Valve, Add	*1,005.42*	
35 22 59 00-0049	EA	36" x 36" Cast Iron Flap Gate	38,818.42	932.53
		For Electric Motor Operated Valve, Add	*1,036.51*	
35 22 59 00-0050	EA	48" x 48" Cast Iron Flap Gate	48,207.33	1,554.65
		For Electric Motor Operated Valve, Add	*1,160.84*	
35 22 59 00-0051	EA	60" x 60" Cast Iron Flap Gate	82,508.59	2,930.80
		For Electric Motor Operated Valve, Add	*1,436.16*	
35 22 59 00-0052	EA	72" x 72" Cast Iron Flap Gate	131,313.15	5,728.38
		For Electric Motor Operated Valve, Add	*1,995.68*	
35 22 59 00-0053	EA	84" x 84" Cast Iron Flap Gate	152,107.56	11,190.32
		For Electric Motor Operated Valve, Add	*3,088.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0054		**Steel Knife Gates Including Handwheel Operator** *(35 22 59)*		
		Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 59 00-0055	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	1,831.15	168.41
		For Electric Motor Operated Valve, Add	*883.68*	
35 22 59 00-0056	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	2,457.48	196.45
		For Electric Motor Operated Valve, Add	*889.30*	
35 22 59 00-0057	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	3,456.18	294.73
		For Electric Motor Operated Valve, Add	*908.95*	
35 22 59 00-0058	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	4,321.18	393.02
		For Electric Motor Operated Valve, Add	*928.59*	
35 22 59 00-0059	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	5,285.70	421.04
		For Electric Motor Operated Valve, Add	*934.21*	
35 22 59 00-0060	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	6,829.06	453.40
		For Electric Motor Operated Valve, Add	*940.69*	
35 22 59 00-0061	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	9,059.62	471.56
		For Electric Motor Operated Valve, Add	*944.31*	
35 22 59 00-0062	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	11,319.60	535.92
		For Electric Motor Operated Valve, Add	*957.17*	
35 22 59 00-0063	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	14,497.98	589.45
		For Electric Motor Operated Valve, Add	*967.89*	
35 22 59 00-0064	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	26,346.07	785.90
		For Electric Motor Operated Valve, Add	*1,007.19*	
35 22 59 00-0065	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	35,071.54	1,178.91
		For Electric Motor Operated Valve, Add	*1,085.78*	
35 22 59 00-0066		**Steel Hollow Jet Flow Gate Valve** *(35 22 59)*		
35 22 59 00-0067	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,713.03	186.51
		For Electric Motor Operated Valve, Add	*887.30*	
35 22 59 00-0068	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,640.96	217.82
		For Electric Motor Operated Valve, Add	*893.56*	
35 22 59 00-0069	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	3,181.69	326.39
		For Electric Motor Operated Valve, Add	*915.28*	
35 22 59 00-0070	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,059.37	434.96
		For Electric Motor Operated Valve, Add	*937.01*	
35 22 59 00-0071	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	6,079.92	466.27
		For Electric Motor Operated Valve, Add	*943.25*	
35 22 59 00-0072	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	7,323.73	502.23
		For Electric Motor Operated Valve, Add	*950.45*	
35 22 59 00-0073	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	12,259.00	522.22
		For Electric Motor Operated Valve, Add	*954.45*	
35 22 59 00-0074	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	15,407.88	593.49
		For Electric Motor Operated Valve, Add	*968.70*	
35 22 59 00-0075	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	22,127.67	652.77
		For Electric Motor Operated Valve, Add	*980.57*	
35 22 59 00-0076	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	27,117.10	870.58
		For Electric Motor Operated Valve, Add	*1,024.11*	
35 22 59 00-0077	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	38,706.70	1,305.54
		For Electric Motor Operated Valve, Add	*1,111.07*	
35 22 59 00-0078	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	46,137.42	1,598.62
		For Electric Motor Operated Valve, Add	*1,569.80*	
35 22 59 00-0079	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	54,705.35	1,865.05
		For Electric Motor Operated Valve, Add	*1,623.01*	
35 22 59 00-0080	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	72,024.50	2,331.32
		For Electric Motor Operated Valve, Add	*1,716.26*	
35 22 59 00-0081	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	80,247.23	2,797.59
		For Electric Motor Operated Valve, Add	*1,809.74*	
35 22 59 00-0082	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	102,452.84	3,863.33
		For Electric Motor Operated Valve, Add	*2,023.24*	
35 22 59 00-0083		**Steel Dish Head Valve** *(35 22 59)*		
35 22 59 00-0084	EA	12" Diameter Dish Head Valve	2,209.66	466.27
35 22 59 00-0085	EA	18" Diameter Dish Head Valve	3,167.58	532.88
35 22 59 00-0086	EA	20" Diameter Dish Head Valve	3,643.35	582.83
35 22 59 00-0087	EA	24" Diameter Dish Head Valve	4,283.03	621.73
35 22 59 00-0088	EA	30" Diameter Dish Head Valve	6,397.91	746.02
35 22 59 00-0089	EA	36" Diameter Dish Head Valve	7,887.82	932.53
35 22 59 00-0090	EA	42" Diameter Dish Head Valve	13,175.04	1,243.33
35 22 59 00-0091	EA	48" Diameter Dish Head Valve	17,283.71	1,865.05
35 22 59 00-0092	EA	54" Diameter Dish Head Valve	24,507.63	2,331.32
35 22 59 00-0093	EA	60" Diameter Dish Head Valve	31,645.57	3,730.11
35 22 59 00-0094	EA	66" Diameter Dish Head Valve	43,727.65	4,662.64
35 22 59 00-0095	EA	72" Diameter Dish Head Valve	53,358.40	6,216.90
35 22 63		**Through-Levee Access Gates** *(35 22)*		
35 22 63 00-0001		**Cast Iron Canal Gates** *(35 22 63)*		
35 22 63 00-0002	EA	12" Diameter Cast Iron Canal Gates With Fabricated Frame	2,671.68	466.27
		For Electric Motor Operated Valve, Add	*943.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 63 00-0003	EA	18" Diameter Cast Iron Canal Gates With Fabricated Frame	3,927.95	532.88
		For Electric Motor Operated Valve, Add	*956.57*	
35 22 63 00-0004	EA	20" Diameter Cast Iron Canal Gates With Fabricated Frame	4,497.61	582.83
		For Electric Motor Operated Valve, Add	*966.57*	
35 22 63 00-0005	EA	24" Diameter Cast Iron Canal Gates With Fabricated Frame	5,382.67	621.73
		For Electric Motor Operated Valve, Add	*974.34*	
35 22 63 00-0006	EA	30" Diameter Cast Iron Canal Gates With Fabricated Frame	8,172.68	746.02
		For Electric Motor Operated Valve, Add	*999.20*	
35 22 63 00-0007	EA	36" Diameter Cast Iron Canal Gates With Fabricated Frame	10,066.64	932.53
		For Electric Motor Operated Valve, Add	*1,036.51*	
35 22 63 00-0008	EA	42" Diameter Cast Iron Canal Gates With Fabricated Frame	17,041.68	1,243.33
		For Electric Motor Operated Valve, Add	*1,098.67*	
35 22 63 00-0009	EA	48" Diameter Cast Iron Canal Gates With Fabricated Frame	22,186.90	1,865.05
		For Electric Motor Operated Valve, Add	*1,223.01*	
35 22 63 00-0010	EA	54" Diameter Cast Iron Canal Gates With Fabricated Frame	31,686.82	2,331.32
		For Electric Motor Operated Valve, Add	*1,316.26*	
35 22 63 00-0011	EA	60" Diameter Cast Iron Canal Gates With Fabricated Frame	40,394.93	3,730.11
		For Electric Motor Operated Valve, Add	*1,596.02*	
35 22 63 00-0012	EA	66" Diameter Cast Iron Canal Gates With Fabricated Frame	56,173.17	4,662.64
		For Electric Motor Operated Valve, Add	*1,782.53*	
35 22 63 00-0013	EA	72" Diameter Cast Iron Canal Gates With Fabricated Frame	66,387.20	5,328.73
		For Electric Motor Operated Valve, Add	*1,915.75*	

35 24 Dredging *(35 20)*

35 24 23 Clamshell Dredging *(35 24)*

35 24 23 00-0001 Dredging, Barge Mounted *(35 24 23)*

See CSI section 01 74 19 00-0048 for hauling material from shore or barge, 31 23.16 33-0019 for loading.

35 24 23 00-0002	EA	Dredge Excavation Mobilization And Demobilization	24,580.83	
		For Inlet Rivers And Canals, Deduct	*-6,145.21*	
35 24 23 00-0003	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	27.31	
35 24 23 00-0004	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	24.58	
35 24 23 00-0005	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	27.21	
35 24 23 00-0006	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	22.82	

35 24 26 Backhoe/Dipper Dredging *(35 24)*

35 24 26 00-0001 Dredging, Shoreline Excavators *(35 24 26)*

35 24 26 00-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	16.04	
35 24 26 00-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	10.70	

END OF SECTION 35

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	890.02	227.07
		For Class 52 Rating, Deduct	*-60.06*	
		For Class 54 Rating, Add	*86.02*	
		For Class 55 Rating, Add	*130.01*	
		For Class 56 Rating, Add	*173.45*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	954.45	231.04
		For Class 52 Rating, Deduct	*-66.48*	
		For Class 54 Rating, Add	*94.86*	
		For Class 55 Rating, Add	*143.18*	
		For Class 56 Rating, Add	*190.90*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.88	235.01
		For Class 52 Rating, Deduct	*-72.91*	
		For Class 54 Rating, Add	*103.69*	
		For Class 55 Rating, Add	*156.35*	
		For Class 56 Rating, Add	*208.35*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,083.32	238.98
		For Class 52 Rating, Deduct	*-79.33*	
		For Class 54 Rating, Add	*112.53*	
		For Class 55 Rating, Add	*169.52*	
		For Class 56 Rating, Add	*225.80*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,147.75	242.96
		For Class 52 Rating, Deduct	*-85.76*	
		For Class 54 Rating, Add	*121.36*	
		For Class 55 Rating, Add	*182.69*	
		For Class 56 Rating, Add	*243.25*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,212.19	246.92
		For Class 52 Rating, Deduct	*-92.19*	
		For Class 54 Rating, Add	*130.20*	
		For Class 55 Rating, Add	*195.87*	
		For Class 56 Rating, Add	*260.70*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,276.61	250.89
		For Class 52 Rating, Deduct	*-98.61*	
		For Class 54 Rating, Add	*139.03*	
		For Class 55 Rating, Add	*209.04*	
		For Class 56 Rating, Add	*278.14*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.04	254.86
		For Class 52 Rating, Deduct	*-105.04*	
		For Class 54 Rating, Add	*147.87*	
		For Class 55 Rating, Add	*222.21*	
		For Class 56 Rating, Add	*295.59*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.48	258.83
		For Class 52 Rating, Deduct	*-111.46*	
		For Class 54 Rating, Add	*156.70*	
		For Class 55 Rating, Add	*235.38*	
		For Class 56 Rating, Add	*313.04*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.90	262.80
		For Class 52 Rating, Deduct	*-117.89*	
		For Class 54 Rating, Add	*165.54*	
		For Class 55 Rating, Add	*248.55*	
		For Class 56 Rating, Add	*330.49*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.33	266.78
		For Class 52 Rating, Deduct	*-124.32*	
		For Class 54 Rating, Add	*174.37*	
		For Class 55 Rating, Add	*261.72*	
		For Class 56 Rating, Add	*347.94*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,598.78	270.74
		For Class 52 Rating, Deduct	*-130.74*	
		For Class 54 Rating, Add	*183.21*	
		For Class 55 Rating, Add	*274.89*	
		For Class 56 Rating, Add	*365.39*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,663.20	274.71
		For Class 52 Rating, Deduct	*-137.17*	
		For Class 54 Rating, Add	*192.04*	
		For Class 55 Rating, Add	*288.06*	
		For Class 56 Rating, Add	*382.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.64	278.68
		For Class 52 Rating, Deduct	*-143.59*	
		For Class 54 Rating, Add	*200.88*	
		For Class 55 Rating, Add	*301.24*	
		For Class 56 Rating, Add	*400.29*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,792.07	282.65
		For Class 52 Rating, Deduct	*-150.02*	
		For Class 54 Rating, Add	*209.71*	
		For Class 55 Rating, Add	*314.41*	
		For Class 56 Rating, Add	*417.74*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.49	286.62
		For Class 52 Rating, Deduct	*-156.44*	
		For Class 54 Rating, Add	*218.54*	
		For Class 55 Rating, Add	*327.58*	
		For Class 56 Rating, Add	*435.19*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,920.93	290.59
		For Class 52 Rating, Deduct	*-162.87*	
		For Class 54 Rating, Add	*227.38*	
		For Class 55 Rating, Add	*340.75*	
		For Class 56 Rating, Add	*452.64*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.36	294.56
		For Class 52 Rating, Deduct	*-169.30*	
		For Class 54 Rating, Add	*236.21*	
		For Class 55 Rating, Add	*353.92*	
		For Class 56 Rating, Add	*470.09*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,049.78	298.53
		For Class 52 Rating, Deduct	*-175.72*	
		For Class 54 Rating, Add	*245.05*	
		For Class 55 Rating, Add	*367.09*	
		For Class 56 Rating, Add	*487.54*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,114.22	302.50
		For Class 52 Rating, Deduct	*-182.15*	
		For Class 54 Rating, Add	*253.88*	
		For Class 55 Rating, Add	*380.26*	
		For Class 56 Rating, Add	*504.99*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.66	306.47
		For Class 52 Rating, Deduct	*-188.57*	
		For Class 54 Rating, Add	*262.72*	
		For Class 55 Rating, Add	*393.44*	
		For Class 56 Rating, Add	*522.44*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.10	310.44
		For Class 52 Rating, Deduct	*-195.00*	
		For Class 54 Rating, Add	*271.55*	
		For Class 55 Rating, Add	*406.61*	
		For Class 56 Rating, Add	*539.89*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,307.52	314.40
		For Class 52 Rating, Deduct	*-201.43*	
		For Class 54 Rating, Add	*280.39*	
		For Class 55 Rating, Add	*419.78*	
		For Class 56 Rating, Add	*557.34*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,371.95	318.38
		For Class 52 Rating, Deduct	*-207.85*	
		For Class 54 Rating, Add	*289.22*	
		For Class 55 Rating, Add	*432.95*	
		For Class 56 Rating, Add	*574.79*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.39	322.35
		For Class 52 Rating, Deduct	*-214.28*	
		For Class 54 Rating, Add	*298.06*	
		For Class 55 Rating, Add	*446.12*	
		For Class 56 Rating, Add	*592.24*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.81	326.32
		For Class 52 Rating, Deduct	*-220.70*	
		For Class 54 Rating, Add	*306.89*	
		For Class 55 Rating, Add	*459.29*	
		For Class 56 Rating, Add	*609.68*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,565.24	330.29
		For Class 52 Rating, Deduct	*-227.13*	
		For Class 54 Rating, Add	*315.73*	
		For Class 55 Rating, Add	*472.46*	
		For Class 56 Rating, Add	*627.13*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,629.68	334.26
		For Class 52 Rating, Deduct	*-233.56*	
		For Class 54 Rating, Add	*324.56*	
		For Class 55 Rating, Add	*485.64*	
		For Class 56 Rating, Add	*644.59*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.10	338.22
		For Class 52 Rating, Deduct	*-239.98*	
		For Class 54 Rating, Add	*333.40*	
		For Class 55 Rating, Add	*498.80*	
		For Class 56 Rating, Add	*662.03*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,758.54	342.19
		For Class 52 Rating, Deduct	*-246.41*	
		For Class 54 Rating, Add	*342.23*	
		For Class 55 Rating, Add	*511.98*	
		For Class 56 Rating, Add	*679.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.98	346.17
		For Class 52 Rating, Deduct	*-252.83*	
		For Class 54 Rating, Add	*351.07*	
		For Class 55 Rating, Add	*525.15*	
		For Class 56 Rating, Add	*696.93*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,887.40	350.14
		For Class 52 Rating, Deduct	*-259.26*	
		For Class 54 Rating, Add	*359.90*	
		For Class 55 Rating, Add	*538.32*	
		For Class 56 Rating, Add	*714.38*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,951.84	354.11
		For Class 52 Rating, Deduct	*-265.68*	
		For Class 54 Rating, Add	*368.73*	
		For Class 55 Rating, Add	*551.49*	
		For Class 56 Rating, Add	*731.83*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.27	358.08
		For Class 52 Rating, Deduct	*-272.11*	
		For Class 54 Rating, Add	*377.57*	
		For Class 55 Rating, Add	*564.66*	
		For Class 56 Rating, Add	*749.28*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.69	362.04
		For Class 52 Rating, Deduct	*-278.54*	
		For Class 54 Rating, Add	*386.40*	
		For Class 55 Rating, Add	*577.83*	
		For Class 56 Rating, Add	*766.73*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.13	366.01
		For Class 52 Rating, Deduct	*-284.96*	
		For Class 54 Rating, Add	*395.24*	
		For Class 55 Rating, Add	*591.00*	
		For Class 56 Rating, Add	*784.18*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,209.56	369.99
		For Class 52 Rating, Deduct	*-291.39*	
		For Class 54 Rating, Add	*404.07*	
		For Class 55 Rating, Add	*604.18*	
		For Class 56 Rating, Add	*801.63*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.99	373.96
		For Class 52 Rating, Deduct	*-297.81*	
		For Class 54 Rating, Add	*412.91*	
		For Class 55 Rating, Add	*617.35*	
		For Class 56 Rating, Add	*819.08*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,338.43	377.93
		For Class 52 Rating, Deduct	*-304.24*	
		For Class 54 Rating, Add	*421.74*	
		For Class 55 Rating, Add	*630.52*	
		For Class 56 Rating, Add	*836.53*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,127.33	285.82
		For Class 52 Rating, Deduct	*-76.37*	
		For Class 54 Rating, Add	*109.34*	
		For Class 55 Rating, Add	*165.21*	
		For Class 56 Rating, Add	*220.40*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,205.24	289.79
		For Class 52 Rating, Deduct	*-84.28*	
		For Class 54 Rating, Add	*120.19*	
		For Class 55 Rating, Add	*181.39*	
		For Class 56 Rating, Add	*241.82*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,283.16	293.77
		For Class 52 Rating, Deduct	*-92.19*	
		For Class 54 Rating, Add	*131.05*	
		For Class 55 Rating, Add	*197.57*	
		For Class 56 Rating, Add	*263.25*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.07	297.74
		For Class 52 Rating, Deduct	*-100.09*	
		For Class 54 Rating, Add	*141.91*	
		For Class 55 Rating, Add	*213.75*	
		For Class 56 Rating, Add	*284.68*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,438.98	301.71
		For Class 52 Rating, Deduct	*-108.00*	
		For Class 54 Rating, Add	*152.76*	
		For Class 55 Rating, Add	*229.92*	
		For Class 56 Rating, Add	*306.10*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.89	305.67
		For Class 52 Rating, Deduct	*-115.91*	
		For Class 54 Rating, Add	*163.62*	
		For Class 55 Rating, Add	*246.10*	
		For Class 56 Rating, Add	*327.53*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.81	309.64
		For Class 52 Rating, Deduct	*-123.82*	
		For Class 54 Rating, Add	*174.48*	
		For Class 55 Rating, Add	*262.28*	
		For Class 56 Rating, Add	*348.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,672.71	313.61
		For Class 52 Rating, Deduct	*-131.73*	
		For Class 54 Rating, Add	*185.33*	
		For Class 55 Rating, Add	*278.46*	
		For Class 56 Rating, Add	*370.38*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,750.63	317.59
		For Class 52 Rating, Deduct	*-139.64*	
		For Class 54 Rating, Add	*196.19*	
		For Class 55 Rating, Add	*294.63*	
		For Class 56 Rating, Add	*391.81*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,828.54	321.56
		For Class 52 Rating, Deduct	*-147.55*	
		For Class 54 Rating, Add	*207.05*	
		For Class 55 Rating, Add	*310.81*	
		For Class 56 Rating, Add	*413.23*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,906.46	325.53
		For Class 52 Rating, Deduct	*-155.46*	
		For Class 54 Rating, Add	*217.90*	
		For Class 55 Rating, Add	*326.99*	
		For Class 56 Rating, Add	*434.66*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,984.37	329.49
		For Class 52 Rating, Deduct	*-163.36*	
		For Class 54 Rating, Add	*228.76*	
		For Class 55 Rating, Add	*343.17*	
		For Class 56 Rating, Add	*456.09*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,062.28	333.46
		For Class 52 Rating, Deduct	*-171.27*	
		For Class 54 Rating, Add	*239.62*	
		For Class 55 Rating, Add	*359.34*	
		For Class 56 Rating, Add	*477.51*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.19	337.43
		For Class 52 Rating, Deduct	*-179.18*	
		For Class 54 Rating, Add	*250.47*	
		For Class 55 Rating, Add	*375.52*	
		For Class 56 Rating, Add	*498.94*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.11	341.40
		For Class 52 Rating, Deduct	*-187.09*	
		For Class 54 Rating, Add	*261.33*	
		For Class 55 Rating, Add	*391.70*	
		For Class 56 Rating, Add	*520.37*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,296.02	345.38
		For Class 52 Rating, Deduct	*-195.00*	
		For Class 54 Rating, Add	*272.19*	
		For Class 55 Rating, Add	*407.88*	
		For Class 56 Rating, Add	*541.79*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,373.93	349.35
		For Class 52 Rating, Deduct	*-202.91*	
		For Class 54 Rating, Add	*283.04*	
		For Class 55 Rating, Add	*424.05*	
		For Class 56 Rating, Add	*563.22*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,451.84	353.31
		For Class 52 Rating, Deduct	*-210.82*	
		For Class 54 Rating, Add	*293.90*	
		For Class 55 Rating, Add	*440.23*	
		For Class 56 Rating, Add	*584.64*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.75	357.28
		For Class 52 Rating, Deduct	*-218.73*	
		For Class 54 Rating, Add	*304.76*	
		For Class 55 Rating, Add	*456.41*	
		For Class 56 Rating, Add	*606.07*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.68	361.25
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*315.62*	
		For Class 55 Rating, Add	*472.59*	
		For Class 56 Rating, Add	*627.50*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,685.58	365.22
		For Class 52 Rating, Deduct	*-234.54*	
		For Class 54 Rating, Add	*326.47*	
		For Class 55 Rating, Add	*488.76*	
		For Class 56 Rating, Add	*648.92*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,763.49	369.20
		For Class 52 Rating, Deduct	*-242.45*	
		For Class 54 Rating, Add	*337.33*	
		For Class 55 Rating, Add	*504.94*	
		For Class 56 Rating, Add	*670.35*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,841.41	373.16
		For Class 52 Rating, Deduct	*-250.36*	
		For Class 54 Rating, Add	*348.19*	
		For Class 55 Rating, Add	*521.12*	
		For Class 56 Rating, Add	*691.78*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.32	377.13
		For Class 52 Rating, Deduct	*-258.27*	
		For Class 54 Rating, Add	*359.04*	
		For Class 55 Rating, Add	*537.30*	
		For Class 56 Rating, Add	*713.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.22	381.10
		For Class 52 Rating, Deduct	*-266.18*	
		For Class 54 Rating, Add	*369.90*	
		For Class 55 Rating, Add	*553.47*	
		For Class 56 Rating, Add	*734.63*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.14	385.07
		For Class 52 Rating, Deduct	*-274.09*	
		For Class 54 Rating, Add	*380.76*	
		For Class 55 Rating, Add	*569.65*	
		For Class 56 Rating, Add	*756.06*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,153.05	389.04
		For Class 52 Rating, Deduct	*-282.00*	
		For Class 54 Rating, Add	*391.61*	
		For Class 55 Rating, Add	*585.83*	
		For Class 56 Rating, Add	*777.48*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,230.98	393.02
		For Class 52 Rating, Deduct	*-289.91*	
		For Class 54 Rating, Add	*402.47*	
		For Class 55 Rating, Add	*602.01*	
		For Class 56 Rating, Add	*798.91*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,308.88	396.98
		For Class 52 Rating, Deduct	*-297.81*	
		For Class 54 Rating, Add	*413.33*	
		For Class 55 Rating, Add	*618.18*	
		For Class 56 Rating, Add	*820.33*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,386.79	400.95
		For Class 52 Rating, Deduct	*-305.72*	
		For Class 54 Rating, Add	*424.18*	
		For Class 55 Rating, Add	*634.36*	
		For Class 56 Rating, Add	*841.76*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,464.71	404.92
		For Class 52 Rating, Deduct	*-313.63*	
		For Class 54 Rating, Add	*435.04*	
		For Class 55 Rating, Add	*650.54*	
		For Class 56 Rating, Add	*863.19*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.62	408.89
		For Class 52 Rating, Deduct	*-321.54*	
		For Class 54 Rating, Add	*445.90*	
		For Class 55 Rating, Add	*666.72*	
		For Class 56 Rating, Add	*884.61*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,620.52	412.86
		For Class 52 Rating, Deduct	*-329.45*	
		For Class 54 Rating, Add	*456.75*	
		For Class 55 Rating, Add	*682.89*	
		For Class 56 Rating, Add	*906.04*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,698.44	416.83
		For Class 52 Rating, Deduct	*-337.36*	
		For Class 54 Rating, Add	*467.61*	
		For Class 55 Rating, Add	*699.07*	
		For Class 56 Rating, Add	*927.47*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.35	420.80
		For Class 52 Rating, Deduct	*-345.27*	
		For Class 54 Rating, Add	*478.47*	
		For Class 55 Rating, Add	*715.25*	
		For Class 56 Rating, Add	*948.89*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,854.27	424.77
		For Class 52 Rating, Deduct	*-353.17*	
		For Class 54 Rating, Add	*489.33*	
		For Class 55 Rating, Add	*731.43*	
		For Class 56 Rating, Add	*970.32*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,932.18	428.74
		For Class 52 Rating, Deduct	*-361.08*	
		For Class 54 Rating, Add	*500.18*	
		For Class 55 Rating, Add	*747.60*	
		For Class 56 Rating, Add	*991.74*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,010.09	432.71
		For Class 52 Rating, Deduct	*-368.99*	
		For Class 54 Rating, Add	*511.04*	
		For Class 55 Rating, Add	*763.78*	
		For Class 56 Rating, Add	*1,013.17*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,088.01	436.68
		For Class 52 Rating, Deduct	*-376.90*	
		For Class 54 Rating, Add	*521.90*	
		For Class 55 Rating, Add	*779.96*	
		For Class 56 Rating, Add	*1,034.60*	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.66	365.22
		For Class 52 Rating, Deduct	*-112.45*	
		For Class 54 Rating, Add	*159.98*	
		For Class 55 Rating, Add	*241.25*	
		For Class 56 Rating, Add	*321.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,680.53	369.20
		For Class 52 Rating, Deduct	*-123.33*	
		For Class 54 Rating, Add	*174.89*	
		For Class 55 Rating, Add	*263.44*	
		For Class 56 Rating, Add	*350.88*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,785.41	373.16
		For Class 52 Rating, Deduct	*-134.20*	
		For Class 54 Rating, Add	*189.79*	
		For Class 55 Rating, Add	*285.63*	
		For Class 56 Rating, Add	*380.26*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,890.28	377.13
		For Class 52 Rating, Deduct	*-145.08*	
		For Class 54 Rating, Add	*204.69*	
		For Class 55 Rating, Add	*307.82*	
		For Class 56 Rating, Add	*409.64*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,995.15	381.10
		For Class 52 Rating, Deduct	*-155.95*	
		For Class 54 Rating, Add	*219.59*	
		For Class 55 Rating, Add	*330.01*	
		For Class 56 Rating, Add	*439.02*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,100.03	385.07
		For Class 52 Rating, Deduct	*-166.82*	
		For Class 54 Rating, Add	*234.49*	
		For Class 55 Rating, Add	*352.20*	
		For Class 56 Rating, Add	*468.40*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.90	389.04
		For Class 52 Rating, Deduct	*-177.70*	
		For Class 54 Rating, Add	*249.39*	
		For Class 55 Rating, Add	*374.39*	
		For Class 56 Rating, Add	*497.78*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.79	393.02
		For Class 52 Rating, Deduct	*-188.57*	
		For Class 54 Rating, Add	*264.29*	
		For Class 55 Rating, Add	*396.58*	
		For Class 56 Rating, Add	*527.16*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.66	396.98
		For Class 52 Rating, Deduct	*-199.45*	
		For Class 54 Rating, Add	*279.19*	
		For Class 55 Rating, Add	*418.77*	
		For Class 56 Rating, Add	*556.54*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,519.53	400.95
		For Class 52 Rating, Deduct	*-210.32*	
		For Class 54 Rating, Add	*294.09*	
		For Class 55 Rating, Add	*440.96*	
		For Class 56 Rating, Add	*585.92*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.41	404.92
		For Class 52 Rating, Deduct	*-221.20*	
		For Class 54 Rating, Add	*309.00*	
		For Class 55 Rating, Add	*463.15*	
		For Class 56 Rating, Add	*615.30*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.28	408.89
		For Class 52 Rating, Deduct	*-232.07*	
		For Class 54 Rating, Add	*323.90*	
		For Class 55 Rating, Add	*485.34*	
		For Class 56 Rating, Add	*644.68*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,834.14	412.86
		For Class 52 Rating, Deduct	*-242.95*	
		For Class 54 Rating, Add	*338.80*	
		For Class 55 Rating, Add	*507.53*	
		For Class 56 Rating, Add	*674.06*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.02	416.83
		For Class 52 Rating, Deduct	*-253.82*	
		For Class 54 Rating, Add	*353.70*	
		For Class 55 Rating, Add	*529.72*	
		For Class 56 Rating, Add	*703.44*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,043.89	420.80
		For Class 52 Rating, Deduct	*-264.70*	
		For Class 54 Rating, Add	*368.60*	
		For Class 55 Rating, Add	*551.91*	
		For Class 56 Rating, Add	*732.82*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,148.77	424.77
		For Class 52 Rating, Deduct	*-275.57*	
		For Class 54 Rating, Add	*383.50*	
		For Class 55 Rating, Add	*574.10*	
		For Class 56 Rating, Add	*762.20*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,253.65	428.74
		For Class 52 Rating, Deduct	*-286.44*	
		For Class 54 Rating, Add	*398.40*	
		For Class 55 Rating, Add	*596.29*	
		For Class 56 Rating, Add	*791.58*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,358.52	432.71
		For Class 52 Rating, Deduct	*-297.32*	
		For Class 54 Rating, Add	*413.30*	
		For Class 55 Rating, Add	*618.48*	
		For Class 56 Rating, Add	*820.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,463.40	436.68
		For Class 52 Rating, Deduct	*-308.19*	
		For Class 54 Rating, Add	*428.20*	
		For Class 55 Rating, Add	*640.67*	
		For Class 56 Rating, Add	*850.34*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.27	440.64
		For Class 52 Rating, Deduct	*-319.07*	
		For Class 54 Rating, Add	*443.10*	
		For Class 55 Rating, Add	*662.86*	
		For Class 56 Rating, Add	*879.72*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,673.14	444.62
		For Class 52 Rating, Deduct	*-329.94*	
		For Class 54 Rating, Add	*458.01*	
		For Class 55 Rating, Add	*685.05*	
		For Class 56 Rating, Add	*909.10*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,778.02	448.59
		For Class 52 Rating, Deduct	*-340.82*	
		For Class 54 Rating, Add	*472.91*	
		For Class 55 Rating, Add	*707.24*	
		For Class 56 Rating, Add	*938.48*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,882.89	452.56
		For Class 52 Rating, Deduct	*-351.69*	
		For Class 54 Rating, Add	*487.81*	
		For Class 55 Rating, Add	*729.43*	
		For Class 56 Rating, Add	*967.86*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,987.77	456.53
		For Class 52 Rating, Deduct	*-362.57*	
		For Class 54 Rating, Add	*502.71*	
		For Class 55 Rating, Add	*751.62*	
		For Class 56 Rating, Add	*997.24*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,092.63	460.50
		For Class 52 Rating, Deduct	*-373.44*	
		For Class 54 Rating, Add	*517.61*	
		For Class 55 Rating, Add	*773.81*	
		For Class 56 Rating, Add	*1,026.62*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,197.51	464.46
		For Class 52 Rating, Deduct	*-384.31*	
		For Class 54 Rating, Add	*532.51*	
		For Class 55 Rating, Add	*796.00*	
		For Class 56 Rating, Add	*1,056.00*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,302.39	468.43
		For Class 52 Rating, Deduct	*-395.19*	
		For Class 54 Rating, Add	*547.41*	
		For Class 55 Rating, Add	*818.19*	
		For Class 56 Rating, Add	*1,085.38*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,407.26	472.41
		For Class 52 Rating, Deduct	*-406.06*	
		For Class 54 Rating, Add	*562.31*	
		For Class 55 Rating, Add	*840.38*	
		For Class 56 Rating, Add	*1,114.76*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,512.13	476.38
		For Class 52 Rating, Deduct	*-416.94*	
		For Class 54 Rating, Add	*577.21*	
		For Class 55 Rating, Add	*862.57*	
		For Class 56 Rating, Add	*1,144.14*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,617.01	480.35
		For Class 52 Rating, Deduct	*-427.81*	
		For Class 54 Rating, Add	*592.12*	
		For Class 55 Rating, Add	*884.76*	
		For Class 56 Rating, Add	*1,173.52*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,721.88	484.32
		For Class 52 Rating, Deduct	*-438.69*	
		For Class 54 Rating, Add	*607.02*	
		For Class 55 Rating, Add	*906.95*	
		For Class 56 Rating, Add	*1,202.90*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,826.75	488.28
		For Class 52 Rating, Deduct	*-449.56*	
		For Class 54 Rating, Add	*621.92*	
		For Class 55 Rating, Add	*929.14*	
		For Class 56 Rating, Add	*1,232.28*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,931.63	492.25
		For Class 52 Rating, Deduct	*-460.44*	
		For Class 54 Rating, Add	*636.82*	
		For Class 55 Rating, Add	*951.33*	
		For Class 56 Rating, Add	*1,261.66*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,036.51	496.23
		For Class 52 Rating, Deduct	*-471.31*	
		For Class 54 Rating, Add	*651.72*	
		For Class 55 Rating, Add	*973.52*	
		For Class 56 Rating, Add	*1,291.04*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,141.39	500.20
		For Class 52 Rating, Deduct	*-482.19*	
		For Class 54 Rating, Add	*666.62*	
		For Class 55 Rating, Add	*995.71*	
		For Class 56 Rating, Add	*1,320.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,246.26	504.17
		For Class 52 Rating, Deduct	*-493.06*	
		For Class 54 Rating, Add	*681.52*	
		For Class 55 Rating, Add	*1,017.90*	
		For Class 56 Rating, Add	*1,349.80*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,351.13	508.13
		For Class 52 Rating, Deduct	*-503.94*	
		For Class 54 Rating, Add	*696.42*	
		For Class 55 Rating, Add	*1,040.09*	
		For Class 56 Rating, Add	*1,379.18*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,456.00	512.10
		For Class 52 Rating, Deduct	*-514.81*	
		For Class 54 Rating, Add	*711.32*	
		For Class 55 Rating, Add	*1,062.28*	
		For Class 56 Rating, Add	*1,408.56*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,560.87	516.07
		For Class 52 Rating, Deduct	*-525.68*	
		For Class 54 Rating, Add	*726.22*	
		For Class 55 Rating, Add	*1,084.47*	
		For Class 56 Rating, Add	*1,437.94*	
40 05 19 00-0123		10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.79	444.62
		For Class 52 Rating, Deduct	*-144.33*	
		For Class 54 Rating, Add	*204.90*	
		For Class 55 Rating, Add	*308.77*	
		For Class 56 Rating, Add	*411.33*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,122.13	448.59
		For Class 52 Rating, Deduct	*-158.67*	
		For Class 54 Rating, Add	*224.52*	
		For Class 55 Rating, Add	*337.98*	
		For Class 56 Rating, Add	*449.99*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.45	452.56
		For Class 52 Rating, Deduct	*-173.00*	
		For Class 54 Rating, Add	*244.14*	
		For Class 55 Rating, Add	*367.18*	
		For Class 56 Rating, Add	*488.65*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,394.78	456.53
		For Class 52 Rating, Deduct	*-187.34*	
		For Class 54 Rating, Add	*263.76*	
		For Class 55 Rating, Add	*396.39*	
		For Class 56 Rating, Add	*527.31*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,531.11	460.50
		For Class 52 Rating, Deduct	*-201.67*	
		For Class 54 Rating, Add	*283.38*	
		For Class 55 Rating, Add	*425.59*	
		For Class 56 Rating, Add	*565.97*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,667.44	464.46
		For Class 52 Rating, Deduct	*-216.01*	
		For Class 54 Rating, Add	*303.00*	
		For Class 55 Rating, Add	*454.79*	
		For Class 56 Rating, Add	*604.63*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,803.78	468.43
		For Class 52 Rating, Deduct	*-230.34*	
		For Class 54 Rating, Add	*322.62*	
		For Class 55 Rating, Add	*484.00*	
		For Class 56 Rating, Add	*643.29*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.10	472.41
		For Class 52 Rating, Deduct	*-244.68*	
		For Class 54 Rating, Add	*342.24*	
		For Class 55 Rating, Add	*513.20*	
		For Class 56 Rating, Add	*681.95*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,076.43	476.38
		For Class 52 Rating, Deduct	*-259.01*	
		For Class 54 Rating, Add	*361.86*	
		For Class 55 Rating, Add	*542.41*	
		For Class 56 Rating, Add	*720.61*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,212.76	480.35
		For Class 52 Rating, Deduct	*-273.35*	
		For Class 54 Rating, Add	*381.48*	
		For Class 55 Rating, Add	*571.61*	
		For Class 56 Rating, Add	*759.26*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,349.09	484.32
		For Class 52 Rating, Deduct	*-287.68*	
		For Class 54 Rating, Add	*401.10*	
		For Class 55 Rating, Add	*600.82*	
		For Class 56 Rating, Add	*797.92*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.41	488.28
		For Class 52 Rating, Deduct	*-302.01*	
		For Class 54 Rating, Add	*420.72*	
		For Class 55 Rating, Add	*630.02*	
		For Class 56 Rating, Add	*836.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,621.74	492.25
		For Class 52 Rating, Deduct	*-316.35*	
		For Class 54 Rating, Add	*440.34*	
		For Class 55 Rating, Add	*659.23*	
		For Class 56 Rating, Add	*875.24*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,758.08	496.23
		For Class 52 Rating, Deduct	*-330.68*	
		For Class 54 Rating, Add	*459.96*	
		For Class 55 Rating, Add	*688.43*	
		For Class 56 Rating, Add	*913.90*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,894.41	500.20
		For Class 52 Rating, Deduct	*-345.02*	
		For Class 54 Rating, Add	*479.57*	
		For Class 55 Rating, Add	*717.64*	
		For Class 56 Rating, Add	*952.56*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,030.74	504.17
		For Class 52 Rating, Deduct	*-359.35*	
		For Class 54 Rating, Add	*499.19*	
		For Class 55 Rating, Add	*746.84*	
		For Class 56 Rating, Add	*991.22*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,167.06	508.13
		For Class 52 Rating, Deduct	*-373.69*	
		For Class 54 Rating, Add	*518.81*	
		For Class 55 Rating, Add	*776.04*	
		For Class 56 Rating, Add	*1,029.88*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,303.40	512.10
		For Class 52 Rating, Deduct	*-388.02*	
		For Class 54 Rating, Add	*538.43*	
		For Class 55 Rating, Add	*805.25*	
		For Class 56 Rating, Add	*1,068.54*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,439.72	516.07
		For Class 52 Rating, Deduct	*-402.36*	
		For Class 54 Rating, Add	*558.05*	
		For Class 55 Rating, Add	*834.45*	
		For Class 56 Rating, Add	*1,107.20*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,576.04	520.05
		For Class 52 Rating, Deduct	*-416.69*	
		For Class 54 Rating, Add	*577.67*	
		For Class 55 Rating, Add	*863.66*	
		For Class 56 Rating, Add	*1,145.86*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,712.38	524.02
		For Class 52 Rating, Deduct	*-431.03*	
		For Class 54 Rating, Add	*597.29*	
		For Class 55 Rating, Add	*892.86*	
		For Class 56 Rating, Add	*1,184.52*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,848.70	527.99
		For Class 52 Rating, Deduct	*-445.36*	
		For Class 54 Rating, Add	*616.91*	
		For Class 55 Rating, Add	*922.07*	
		For Class 56 Rating, Add	*1,223.17*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,985.05	531.95
		For Class 52 Rating, Deduct	*-459.70*	
		For Class 54 Rating, Add	*636.53*	
		For Class 55 Rating, Add	*951.27*	
		For Class 56 Rating, Add	*1,261.84*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,121.37	535.92
		For Class 52 Rating, Deduct	*-474.03*	
		For Class 54 Rating, Add	*656.15*	
		For Class 55 Rating, Add	*980.48*	
		For Class 56 Rating, Add	*1,300.49*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,257.70	539.89
		For Class 52 Rating, Deduct	*-488.36*	
		For Class 54 Rating, Add	*675.77*	
		For Class 55 Rating, Add	*1,009.68*	
		For Class 56 Rating, Add	*1,339.15*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,394.03	543.86
		For Class 52 Rating, Deduct	*-502.70*	
		For Class 54 Rating, Add	*695.39*	
		For Class 55 Rating, Add	*1,038.88*	
		For Class 56 Rating, Add	*1,377.81*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,530.36	547.84
		For Class 52 Rating, Deduct	*-517.03*	
		For Class 54 Rating, Add	*715.01*	
		For Class 55 Rating, Add	*1,068.09*	
		For Class 56 Rating, Add	*1,416.47*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,666.68	551.81
		For Class 52 Rating, Deduct	*-531.37*	
		For Class 54 Rating, Add	*734.63*	
		For Class 55 Rating, Add	*1,097.29*	
		For Class 56 Rating, Add	*1,455.13*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,803.01	555.77
		For Class 52 Rating, Deduct	*-545.70*	
		For Class 54 Rating, Add	*754.24*	
		For Class 55 Rating, Add	*1,126.50*	
		For Class 56 Rating, Add	*1,493.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,939.34	559.74
		For Class 52 Rating, Deduct	*-560.04*	
		For Class 54 Rating, Add	*773.86*	
		For Class 55 Rating, Add	*1,155.70*	
		For Class 56 Rating, Add	*1,532.45*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,075.66	563.71
		For Class 52 Rating, Deduct	*-574.37*	
		For Class 54 Rating, Add	*793.48*	
		For Class 55 Rating, Add	*1,184.91*	
		For Class 56 Rating, Add	*1,571.11*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,209.76	567.68
		For Class 52 Rating, Deduct	*-588.46*	
		For Class 54 Rating, Add	*812.77*	
		For Class 55 Rating, Add	*1,213.61*	
		For Class 56 Rating, Add	*1,609.11*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,348.33	571.66
		For Class 52 Rating, Deduct	*-603.04*	
		For Class 54 Rating, Add	*832.72*	
		For Class 55 Rating, Add	*1,243.32*	
		For Class 56 Rating, Add	*1,648.43*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,484.67	575.62
		For Class 52 Rating, Deduct	*-617.38*	
		For Class 54 Rating, Add	*852.34*	
		For Class 55 Rating, Add	*1,272.52*	
		For Class 56 Rating, Add	*1,687.09*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,620.99	579.59
		For Class 52 Rating, Deduct	*-631.71*	
		For Class 54 Rating, Add	*871.96*	
		For Class 55 Rating, Add	*1,301.72*	
		For Class 56 Rating, Add	*1,725.75*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,757.32	583.56
		For Class 52 Rating, Deduct	*-646.05*	
		For Class 54 Rating, Add	*891.58*	
		For Class 55 Rating, Add	*1,330.93*	
		For Class 56 Rating, Add	*1,764.41*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,893.65	587.53
		For Class 52 Rating, Deduct	*-660.38*	
		For Class 54 Rating, Add	*911.20*	
		For Class 55 Rating, Add	*1,360.13*	
		For Class 56 Rating, Add	*1,803.06*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,029.97	591.50
		For Class 52 Rating, Deduct	*-674.71*	
		For Class 54 Rating, Add	*930.82*	
		For Class 55 Rating, Add	*1,389.34*	
		For Class 56 Rating, Add	*1,841.72*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,166.30	595.48
		For Class 52 Rating, Deduct	*-689.05*	
		For Class 54 Rating, Add	*950.44*	
		For Class 55 Rating, Add	*1,418.54*	
		For Class 56 Rating, Add	*1,880.38*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,599.08	555.77
		For Class 52 Rating, Deduct	*-193.27*	
		For Class 54 Rating, Add	*273.65*	
		For Class 55 Rating, Add	*412.02*	
		For Class 56 Rating, Add	*548.63*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,769.10	559.74
		For Class 52 Rating, Deduct	*-211.31*	
		For Class 54 Rating, Add	*298.33*	
		For Class 55 Rating, Add	*448.74*	
		For Class 56 Rating, Add	*597.23*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.13	563.71
		For Class 52 Rating, Deduct	*-229.35*	
		For Class 54 Rating, Add	*323.00*	
		For Class 55 Rating, Add	*485.46*	
		For Class 56 Rating, Add	*645.83*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,109.18	567.68
		For Class 52 Rating, Deduct	*-247.40*	
		For Class 54 Rating, Add	*347.68*	
		For Class 55 Rating, Add	*522.18*	
		For Class 56 Rating, Add	*694.43*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,279.20	571.66
		For Class 52 Rating, Deduct	*-265.44*	
		For Class 54 Rating, Add	*372.35*	
		For Class 55 Rating, Add	*558.90*	
		For Class 56 Rating, Add	*743.03*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,449.24	575.62
		For Class 52 Rating, Deduct	*-283.48*	
		For Class 54 Rating, Add	*397.03*	
		For Class 55 Rating, Add	*595.62*	
		For Class 56 Rating, Add	*791.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,619.27	579.59
		For Class 52 Rating, Deduct	*-301.52*	
		For Class 54 Rating, Add	*421.70*	
		For Class 55 Rating, Add	*632.34*	
		For Class 56 Rating, Add	*840.24*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.29	583.56
		For Class 52 Rating, Deduct	*-319.56*	
		For Class 54 Rating, Add	*446.38*	
		For Class 55 Rating, Add	*669.06*	
		For Class 56 Rating, Add	*888.84*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,959.33	587.53
		For Class 52 Rating, Deduct	*-337.60*	
		For Class 54 Rating, Add	*471.05*	
		For Class 55 Rating, Add	*705.78*	
		For Class 56 Rating, Add	*937.44*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,129.36	591.50
		For Class 52 Rating, Deduct	*-355.65*	
		For Class 54 Rating, Add	*495.73*	
		For Class 55 Rating, Add	*742.50*	
		For Class 56 Rating, Add	*986.04*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,299.38	595.48
		For Class 52 Rating, Deduct	*-373.69*	
		For Class 54 Rating, Add	*520.40*	
		For Class 55 Rating, Add	*779.22*	
		For Class 56 Rating, Add	*1,034.64*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,469.43	599.44
		For Class 52 Rating, Deduct	*-391.73*	
		For Class 54 Rating, Add	*545.08*	
		For Class 55 Rating, Add	*815.94*	
		For Class 56 Rating, Add	*1,083.25*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,639.45	603.41
		For Class 52 Rating, Deduct	*-409.77*	
		For Class 54 Rating, Add	*569.75*	
		For Class 55 Rating, Add	*852.66*	
		For Class 56 Rating, Add	*1,131.84*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,809.49	607.38
		For Class 52 Rating, Deduct	*-427.81*	
		For Class 54 Rating, Add	*594.42*	
		For Class 55 Rating, Add	*889.38*	
		For Class 56 Rating, Add	*1,180.45*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,979.52	611.35
		For Class 52 Rating, Deduct	*-445.86*	
		For Class 54 Rating, Add	*619.10*	
		For Class 55 Rating, Add	*926.10*	
		For Class 56 Rating, Add	*1,229.05*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,149.54	615.32
		For Class 52 Rating, Deduct	*-463.90*	
		For Class 54 Rating, Add	*643.77*	
		For Class 55 Rating, Add	*962.82*	
		For Class 56 Rating, Add	*1,277.65*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,319.58	619.29
		For Class 52 Rating, Deduct	*-481.94*	
		For Class 54 Rating, Add	*668.45*	
		For Class 55 Rating, Add	*999.54*	
		For Class 56 Rating, Add	*1,326.25*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,489.61	623.26
		For Class 52 Rating, Deduct	*-499.98*	
		For Class 54 Rating, Add	*693.12*	
		For Class 55 Rating, Add	*1,036.26*	
		For Class 56 Rating, Add	*1,374.85*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,659.63	627.23
		For Class 52 Rating, Deduct	*-518.02*	
		For Class 54 Rating, Add	*717.80*	
		For Class 55 Rating, Add	*1,072.98*	
		For Class 56 Rating, Add	*1,423.45*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,829.67	631.20
		For Class 52 Rating, Deduct	*-536.06*	
		For Class 54 Rating, Add	*742.47*	
		For Class 55 Rating, Add	*1,109.70*	
		For Class 56 Rating, Add	*1,472.06*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,999.71	635.17
		For Class 52 Rating, Deduct	*-554.11*	
		For Class 54 Rating, Add	*767.15*	
		For Class 55 Rating, Add	*1,146.42*	
		For Class 56 Rating, Add	*1,520.66*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,169.73	639.14
		For Class 52 Rating, Deduct	*-572.15*	
		For Class 54 Rating, Add	*791.82*	
		For Class 55 Rating, Add	*1,183.14*	
		For Class 56 Rating, Add	*1,569.26*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,339.77	643.10
		For Class 52 Rating, Deduct	*-590.19*	
		For Class 54 Rating, Add	*816.50*	
		For Class 55 Rating, Add	*1,219.86*	
		For Class 56 Rating, Add	*1,617.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,509.79	647.08
		For Class 52 Rating, Deduct	*-608.23*	
		For Class 54 Rating, Add	*841.17*	
		For Class 55 Rating, Add	*1,256.58*	
		For Class 56 Rating, Add	*1,666.46*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,679.83	651.05
		For Class 52 Rating, Deduct	*-626.27*	
		For Class 54 Rating, Add	*865.85*	
		For Class 55 Rating, Add	*1,293.30*	
		For Class 56 Rating, Add	*1,715.06*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,849.86	655.02
		For Class 52 Rating, Deduct	*-644.32*	
		For Class 54 Rating, Add	*890.52*	
		For Class 55 Rating, Add	*1,330.02*	
		For Class 56 Rating, Add	*1,763.66*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,019.88	658.99
		For Class 52 Rating, Deduct	*-662.36*	
		For Class 54 Rating, Add	*915.19*	
		For Class 55 Rating, Add	*1,366.74*	
		For Class 56 Rating, Add	*1,812.26*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,189.92	662.96
		For Class 52 Rating, Deduct	*-680.40*	
		For Class 54 Rating, Add	*939.87*	
		For Class 55 Rating, Add	*1,403.46*	
		For Class 56 Rating, Add	*1,860.87*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,359.96	666.92
		For Class 52 Rating, Deduct	*-698.44*	
		For Class 54 Rating, Add	*964.55*	
		For Class 55 Rating, Add	*1,440.18*	
		For Class 56 Rating, Add	*1,909.47*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,529.98	670.89
		For Class 52 Rating, Deduct	*-716.48*	
		For Class 54 Rating, Add	*989.22*	
		For Class 55 Rating, Add	*1,476.90*	
		For Class 56 Rating, Add	*1,958.07*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,700.02	674.87
		For Class 52 Rating, Deduct	*-734.52*	
		For Class 54 Rating, Add	*1,013.89*	
		For Class 55 Rating, Add	*1,513.62*	
		For Class 56 Rating, Add	*2,006.67*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,870.05	678.84
		For Class 52 Rating, Deduct	*-752.57*	
		For Class 54 Rating, Add	*1,038.57*	
		For Class 55 Rating, Add	*1,550.34*	
		For Class 56 Rating, Add	*2,055.27*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,040.08	682.81
		For Class 52 Rating, Deduct	*-770.61*	
		For Class 54 Rating, Add	*1,063.24*	
		For Class 55 Rating, Add	*1,587.06*	
		For Class 56 Rating, Add	*2,103.87*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,210.11	686.78
		For Class 52 Rating, Deduct	*-788.65*	
		For Class 54 Rating, Add	*1,087.92*	
		For Class 55 Rating, Add	*1,623.78*	
		For Class 56 Rating, Add	*2,152.47*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,380.14	690.74
		For Class 52 Rating, Deduct	*-806.69*	
		For Class 54 Rating, Add	*1,112.59*	
		For Class 55 Rating, Add	*1,660.50*	
		For Class 56 Rating, Add	*2,201.08*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,550.17	694.71
		For Class 52 Rating, Deduct	*-824.73*	
		For Class 54 Rating, Add	*1,137.27*	
		For Class 55 Rating, Add	*1,697.22*	
		For Class 56 Rating, Add	*2,249.68*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,720.20	698.69
		For Class 52 Rating, Deduct	*-842.77*	
		For Class 54 Rating, Add	*1,161.94*	
		For Class 55 Rating, Add	*1,733.94*	
		For Class 56 Rating, Add	*2,298.28*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,890.23	702.66
		For Class 52 Rating, Deduct	*-860.82*	
		For Class 54 Rating, Add	*1,186.62*	
		For Class 55 Rating, Add	*1,770.66*	
		For Class 56 Rating, Add	*2,346.88*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,060.27	706.63
		For Class 52 Rating, Deduct	*-878.86*	
		For Class 54 Rating, Add	*1,211.29*	
		For Class 55 Rating, Add	*1,807.38*	
		For Class 56 Rating, Add	*2,395.48*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,470.75	666.92
		For Class 52 Rating, Deduct	*-270.63*	
		For Class 54 Rating, Add	*381.16*	
		For Class 55 Rating, Add	*572.89*	
		For Class 56 Rating, Add	*762.15*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,676.72	670.89
		For Class 52 Rating, Deduct	*-292.62*	
		For Class 54 Rating, Add	*411.23*	
		For Class 55 Rating, Add	*617.62*	
		For Class 56 Rating, Add	*821.36*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,882.71	674.87
		For Class 52 Rating, Deduct	*-314.62*	
		For Class 54 Rating, Add	*441.30*	
		For Class 55 Rating, Add	*662.36*	
		For Class 56 Rating, Add	*880.56*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,088.68	678.84
		For Class 52 Rating, Deduct	*-336.62*	
		For Class 54 Rating, Add	*471.36*	
		For Class 55 Rating, Add	*707.10*	
		For Class 56 Rating, Add	*939.77*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,294.67	682.81
		For Class 52 Rating, Deduct	*-358.61*	
		For Class 54 Rating, Add	*501.43*	
		For Class 55 Rating, Add	*751.83*	
		For Class 56 Rating, Add	*998.98*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,500.64	686.78
		For Class 52 Rating, Deduct	*-380.61*	
		For Class 54 Rating, Add	*531.50*	
		For Class 55 Rating, Add	*796.57*	
		For Class 56 Rating, Add	*1,058.18*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,706.62	690.74
		For Class 52 Rating, Deduct	*-402.60*	
		For Class 54 Rating, Add	*561.56*	
		For Class 55 Rating, Add	*841.31*	
		For Class 56 Rating, Add	*1,117.39*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,912.60	694.71
		For Class 52 Rating, Deduct	*-424.60*	
		For Class 54 Rating, Add	*591.63*	
		For Class 55 Rating, Add	*886.04*	
		For Class 56 Rating, Add	*1,176.59*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,118.58	698.69
		For Class 52 Rating, Deduct	*-446.60*	
		For Class 54 Rating, Add	*621.70*	
		For Class 55 Rating, Add	*930.78*	
		For Class 56 Rating, Add	*1,235.80*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,324.56	702.66
		For Class 52 Rating, Deduct	*-468.59*	
		For Class 54 Rating, Add	*651.77*	
		For Class 55 Rating, Add	*975.52*	
		For Class 56 Rating, Add	*1,295.01*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,530.55	706.63
		For Class 52 Rating, Deduct	*-490.59*	
		For Class 54 Rating, Add	*681.83*	
		For Class 55 Rating, Add	*1,020.25*	
		For Class 56 Rating, Add	*1,354.21*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,736.52	710.59
		For Class 52 Rating, Deduct	*-512.58*	
		For Class 54 Rating, Add	*711.90*	
		For Class 55 Rating, Add	*1,064.99*	
		For Class 56 Rating, Add	*1,413.42*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,942.51	714.56
		For Class 52 Rating, Deduct	*-534.58*	
		For Class 54 Rating, Add	*741.97*	
		For Class 55 Rating, Add	*1,109.73*	
		For Class 56 Rating, Add	*1,472.63*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,148.48	718.53
		For Class 52 Rating, Deduct	*-556.58*	
		For Class 54 Rating, Add	*772.03*	
		For Class 55 Rating, Add	*1,154.46*	
		For Class 56 Rating, Add	*1,531.83*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,354.46	722.51
		For Class 52 Rating, Deduct	*-578.57*	
		For Class 54 Rating, Add	*802.10*	
		For Class 55 Rating, Add	*1,199.20*	
		For Class 56 Rating, Add	*1,591.04*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,560.44	726.48
		For Class 52 Rating, Deduct	*-600.57*	
		For Class 54 Rating, Add	*832.17*	
		For Class 55 Rating, Add	*1,243.93*	
		For Class 56 Rating, Add	*1,650.24*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,766.42	730.45
		For Class 52 Rating, Deduct	*-622.57*	
		For Class 54 Rating, Add	*862.23*	
		For Class 55 Rating, Add	*1,288.67*	
		For Class 56 Rating, Add	*1,709.45*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,972.39	734.41
		For Class 52 Rating, Deduct	*-644.56*	
		For Class 54 Rating, Add	*892.30*	
		For Class 55 Rating, Add	*1,333.41*	
		For Class 56 Rating, Add	*1,768.66*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,178.39	738.38
		For Class 52 Rating, Deduct	*-666.56*	
		For Class 54 Rating, Add	*922.37*	
		For Class 55 Rating, Add	*1,378.15*	
		For Class 56 Rating, Add	*1,827.86*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,384.36	742.35
		For Class 52 Rating, Deduct	*-688.55*	
		For Class 54 Rating, Add	*952.43*	
		For Class 55 Rating, Add	*1,422.88*	
		For Class 56 Rating, Add	*1,887.07*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,590.34	746.32
		For Class 52 Rating, Deduct	*-710.55*	
		For Class 54 Rating, Add	*982.50*	
		For Class 55 Rating, Add	*1,467.62*	
		For Class 56 Rating, Add	*1,946.28*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,796.33	750.30
		For Class 52 Rating, Deduct	*-732.55*	
		For Class 54 Rating, Add	*1,012.57*	
		For Class 55 Rating, Add	*1,512.36*	
		For Class 56 Rating, Add	*2,005.48*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,002.30	754.27
		For Class 52 Rating, Deduct	*-754.54*	
		For Class 54 Rating, Add	*1,042.64*	
		For Class 55 Rating, Add	*1,557.09*	
		For Class 56 Rating, Add	*2,064.69*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,208.29	758.23
		For Class 52 Rating, Deduct	*-776.54*	
		For Class 54 Rating, Add	*1,072.70*	
		For Class 55 Rating, Add	*1,601.83*	
		For Class 56 Rating, Add	*2,123.90*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,414.26	762.20
		For Class 52 Rating, Deduct	*-798.54*	
		For Class 54 Rating, Add	*1,102.77*	
		For Class 55 Rating, Add	*1,646.56*	
		For Class 56 Rating, Add	*2,183.10*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,620.24	766.17
		For Class 52 Rating, Deduct	*-820.53*	
		For Class 54 Rating, Add	*1,132.84*	
		For Class 55 Rating, Add	*1,691.30*	
		For Class 56 Rating, Add	*2,242.31*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,826.23	770.14
		For Class 52 Rating, Deduct	*-842.53*	
		For Class 54 Rating, Add	*1,162.90*	
		For Class 55 Rating, Add	*1,736.04*	
		For Class 56 Rating, Add	*2,301.51*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,032.21	774.12
		For Class 52 Rating, Deduct	*-864.52*	
		For Class 54 Rating, Add	*1,192.97*	
		For Class 55 Rating, Add	*1,780.78*	
		For Class 56 Rating, Add	*2,360.72*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,238.18	778.08
		For Class 52 Rating, Deduct	*-886.52*	
		For Class 54 Rating, Add	*1,223.04*	
		For Class 55 Rating, Add	*1,825.51*	
		For Class 56 Rating, Add	*2,419.93*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,444.17	782.05
		For Class 52 Rating, Deduct	*-908.52*	
		For Class 54 Rating, Add	*1,253.11*	
		For Class 55 Rating, Add	*1,870.25*	
		For Class 56 Rating, Add	*2,479.13*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,650.14	786.02
		For Class 52 Rating, Deduct	*-930.51*	
		For Class 54 Rating, Add	*1,283.17*	
		For Class 55 Rating, Add	*1,914.98*	
		For Class 56 Rating, Add	*2,538.34*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,856.13	789.99
		For Class 52 Rating, Deduct	*-952.51*	
		For Class 54 Rating, Add	*1,313.24*	
		For Class 55 Rating, Add	*1,959.72*	
		For Class 56 Rating, Add	*2,597.55*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,062.10	793.96
		For Class 52 Rating, Deduct	*-974.50*	
		For Class 54 Rating, Add	*1,343.31*	
		For Class 55 Rating, Add	*2,004.46*	
		For Class 56 Rating, Add	*2,656.75*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,268.08	797.93
		For Class 52 Rating, Deduct	*-996.50*	
		For Class 54 Rating, Add	*1,373.37*	
		For Class 55 Rating, Add	*2,049.19*	
		For Class 56 Rating, Add	*2,715.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,474.06	801.90
		For Class 52 Rating, Deduct	*-1,018.50*	
		For Class 54 Rating, Add	*1,403.44*	
		For Class 55 Rating, Add	*2,093.93*	
		For Class 56 Rating, Add	*2,775.16*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,680.05	805.87
		For Class 52 Rating, Deduct	*-1,040.49*	
		For Class 54 Rating, Add	*1,433.51*	
		For Class 55 Rating, Add	*2,138.67*	
		For Class 56 Rating, Add	*2,834.37*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,886.02	809.84
		For Class 52 Rating, Deduct	*-1,062.49*	
		For Class 54 Rating, Add	*1,463.57*	
		For Class 55 Rating, Add	*2,183.40*	
		For Class 56 Rating, Add	*2,893.58*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,092.01	813.81
		For Class 52 Rating, Deduct	*-1,084.49*	
		For Class 54 Rating, Add	*1,498.64*	
		For Class 55 Rating, Add	*2,228.14*	
		For Class 56 Rating, Add	*2,952.78*	
40 05 19 00-0242		16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.20	762.20
		For Class 52 Rating, Deduct	*-320.80*	
		For Class 54 Rating, Add	*451.31*	
		For Class 55 Rating, Add	*678.06*	
		For Class 56 Rating, Add	*901.90*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,310.87	766.17
		For Class 52 Rating, Deduct	*-346.50*	
		For Class 54 Rating, Add	*486.43*	
		For Class 55 Rating, Add	*730.31*	
		For Class 56 Rating, Add	*971.04*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,550.57	770.14
		For Class 52 Rating, Deduct	*-372.20*	
		For Class 54 Rating, Add	*521.55*	
		For Class 55 Rating, Add	*782.57*	
		For Class 56 Rating, Add	*1,040.19*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,790.25	774.12
		For Class 52 Rating, Deduct	*-397.91*	
		For Class 54 Rating, Add	*556.68*	
		For Class 55 Rating, Add	*834.82*	
		For Class 56 Rating, Add	*1,109.34*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,029.93	778.08
		For Class 52 Rating, Deduct	*-423.61*	
		For Class 54 Rating, Add	*591.80*	
		For Class 55 Rating, Add	*887.07*	
		For Class 56 Rating, Add	*1,178.49*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.61	782.05
		For Class 52 Rating, Deduct	*-449.31*	
		For Class 54 Rating, Add	*626.92*	
		For Class 55 Rating, Add	*939.32*	
		For Class 56 Rating, Add	*1,247.64*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,509.29	786.02
		For Class 52 Rating, Deduct	*-475.02*	
		For Class 54 Rating, Add	*662.04*	
		For Class 55 Rating, Add	*991.57*	
		For Class 56 Rating, Add	*1,316.79*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,748.98	789.99
		For Class 52 Rating, Deduct	*-500.72*	
		For Class 54 Rating, Add	*697.17*	
		For Class 55 Rating, Add	*1,043.83*	
		For Class 56 Rating, Add	*1,385.94*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,988.65	793.96
		For Class 52 Rating, Deduct	*-526.42*	
		For Class 54 Rating, Add	*732.29*	
		For Class 55 Rating, Add	*1,096.08*	
		For Class 56 Rating, Add	*1,455.08*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,228.33	797.93
		For Class 52 Rating, Deduct	*-552.13*	
		For Class 54 Rating, Add	*767.41*	
		For Class 55 Rating, Add	*1,148.33*	
		For Class 56 Rating, Add	*1,524.23*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,468.02	801.90
		For Class 52 Rating, Deduct	*-577.83*	
		For Class 54 Rating, Add	*802.53*	
		For Class 55 Rating, Add	*1,200.58*	
		For Class 56 Rating, Add	*1,593.38*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,707.71	805.87
		For Class 52 Rating, Deduct	*-603.54*	
		For Class 54 Rating, Add	*837.66*	
		For Class 55 Rating, Add	*1,252.84*	
		For Class 56 Rating, Add	*1,662.53*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,947.38	809.84
		For Class 52 Rating, Deduct	*-629.24*	
		For Class 54 Rating, Add	*872.78*	
		For Class 55 Rating, Add	*1,305.09*	
		For Class 56 Rating, Add	*1,731.68*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,187.07	813.81
		For Class 52 Rating, Deduct	*-654.94*	
		For Class 54 Rating, Add	*907.90*	
		For Class 55 Rating, Add	*1,357.34*	
		For Class 56 Rating, Add	*1,800.83*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,426.75	817.78
		For Class 52 Rating, Deduct	*-680.65*	
		For Class 54 Rating, Add	*943.02*	
		For Class 55 Rating, Add	*1,409.59*	
		For Class 56 Rating, Add	*1,869.97*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,666.43	821.75
		For Class 52 Rating, Deduct	*-706.35*	
		For Class 54 Rating, Add	*978.14*	
		For Class 55 Rating, Add	*1,461.84*	
		For Class 56 Rating, Add	*1,939.12*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,906.11	825.72
		For Class 52 Rating, Deduct	*-732.05*	
		For Class 54 Rating, Add	*1,013.27*	
		For Class 55 Rating, Add	*1,514.10*	
		For Class 56 Rating, Add	*2,008.27*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,145.79	829.69
		For Class 52 Rating, Deduct	*-757.76*	
		For Class 54 Rating, Add	*1,048.39*	
		For Class 55 Rating, Add	*1,566.35*	
		For Class 56 Rating, Add	*2,077.42*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,385.48	833.66
		For Class 52 Rating, Deduct	*-783.46*	
		For Class 54 Rating, Add	*1,083.51*	
		For Class 55 Rating, Add	*1,618.60*	
		For Class 56 Rating, Add	*2,146.57*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,625.15	837.63
		For Class 52 Rating, Deduct	*-809.16*	
		For Class 54 Rating, Add	*1,118.63*	
		For Class 55 Rating, Add	*1,670.85*	
		For Class 56 Rating, Add	*2,215.71*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,864.84	841.60
		For Class 52 Rating, Deduct	*-834.87*	
		For Class 54 Rating, Add	*1,153.76*	
		For Class 55 Rating, Add	*1,723.10*	
		For Class 56 Rating, Add	*2,284.86*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,104.53	845.56
		For Class 52 Rating, Deduct	*-860.57*	
		For Class 54 Rating, Add	*1,188.88*	
		For Class 55 Rating, Add	*1,775.36*	
		For Class 56 Rating, Add	*2,354.01*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,344.20	849.54
		For Class 52 Rating, Deduct	*-886.27*	
		For Class 54 Rating, Add	*1,224.00*	
		For Class 55 Rating, Add	*1,827.61*	
		For Class 56 Rating, Add	*2,423.16*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,583.88	853.51
		For Class 52 Rating, Deduct	*-911.98*	
		For Class 54 Rating, Add	*1,259.12*	
		For Class 55 Rating, Add	*1,879.86*	
		For Class 56 Rating, Add	*2,492.31*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,823.57	857.48
		For Class 52 Rating, Deduct	*-937.68*	
		For Class 54 Rating, Add	*1,294.24*	
		For Class 55 Rating, Add	*1,932.11*	
		For Class 56 Rating, Add	*2,561.46*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,063.25	861.45
		For Class 52 Rating, Deduct	*-963.38*	
		For Class 54 Rating, Add	*1,329.37*	
		For Class 55 Rating, Add	*1,984.37*	
		For Class 56 Rating, Add	*2,630.61*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,302.93	865.42
		For Class 52 Rating, Deduct	*-989.09*	
		For Class 54 Rating, Add	*1,364.49*	
		For Class 55 Rating, Add	*2,036.62*	
		For Class 56 Rating, Add	*2,699.75*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,542.61	869.38
		For Class 52 Rating, Deduct	*-1,014.79*	
		For Class 54 Rating, Add	*1,399.61*	
		For Class 55 Rating, Add	*2,088.87*	
		For Class 56 Rating, Add	*2,768.90*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,782.30	873.35
		For Class 52 Rating, Deduct	*-1,040.49*	
		For Class 54 Rating, Add	*1,434.73*	
		For Class 55 Rating, Add	*2,141.12*	
		For Class 56 Rating, Add	*2,838.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,021.99	877.33
		For Class 52 Rating, Deduct	*-1,066.20*	
		For Class 54 Rating, Add	*1,469.86*	
		For Class 55 Rating, Add	*2,193.38*	
		For Class 56 Rating, Add	*2,907.20*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,261.66	881.30
		For Class 52 Rating, Deduct	*-1,091.90*	
		For Class 54 Rating, Add	*1,504.98*	
		For Class 55 Rating, Add	*2,245.63*	
		For Class 56 Rating, Add	*2,976.35*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,501.34	885.27
		For Class 52 Rating, Deduct	*-1,117.60*	
		For Class 54 Rating, Add	*1,540.10*	
		For Class 55 Rating, Add	*2,297.88*	
		For Class 56 Rating, Add	*3,045.50*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,741.03	889.24
		For Class 52 Rating, Deduct	*-1,143.31*	
		For Class 54 Rating, Add	*1,575.22*	
		For Class 55 Rating, Add	*2,350.13*	
		For Class 56 Rating, Add	*3,114.65*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,980.70	893.20
		For Class 52 Rating, Deduct	*-1,169.01*	
		For Class 54 Rating, Add	*1,610.34*	
		For Class 55 Rating, Add	*2,402.38*	
		For Class 56 Rating, Add	*3,183.79*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,220.39	897.17
		For Class 52 Rating, Deduct	*-1,194.71*	
		For Class 54 Rating, Add	*1,645.47*	
		For Class 55 Rating, Add	*2,454.63*	
		For Class 56 Rating, Add	*3,252.94*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,460.07	901.15
		For Class 52 Rating, Deduct	*-1,220.42*	
		For Class 54 Rating, Add	*1,680.59*	
		For Class 55 Rating, Add	*2,506.89*	
		For Class 56 Rating, Add	*3,322.09*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,699.75	905.12
		For Class 52 Rating, Deduct	*-1,246.12*	
		For Class 54 Rating, Add	*1,715.71*	
		For Class 55 Rating, Add	*2,559.14*	
		For Class 56 Rating, Add	*3,391.24*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,939.44	909.09
		For Class 52 Rating, Deduct	*-1,271.82*	
		For Class 54 Rating, Add	*1,750.83*	
		For Class 55 Rating, Add	*2,611.39*	
		For Class 56 Rating, Add	*3,460.39*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,739.21	859.07
		For Class 52 Rating, Deduct	*-378.14*	
		For Class 54 Rating, Add	*531.26*	
		For Class 55 Rating, Add	*797.82*	
		For Class 56 Rating, Add	*1,060.95*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,014.85	863.04
		For Class 52 Rating, Deduct	*-407.79*	
		For Class 54 Rating, Add	*571.77*	
		For Class 55 Rating, Add	*858.09*	
		For Class 56 Rating, Add	*1,140.70*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,290.49	867.00
		For Class 52 Rating, Deduct	*-437.45*	
		For Class 54 Rating, Add	*612.29*	
		For Class 55 Rating, Add	*918.36*	
		For Class 56 Rating, Add	*1,220.46*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,566.11	870.97
		For Class 52 Rating, Deduct	*-467.11*	
		For Class 54 Rating, Add	*652.80*	
		For Class 55 Rating, Add	*978.63*	
		For Class 56 Rating, Add	*1,300.21*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,841.75	874.95
		For Class 52 Rating, Deduct	*-496.77*	
		For Class 54 Rating, Add	*693.32*	
		For Class 55 Rating, Add	*1,038.90*	
		For Class 56 Rating, Add	*1,379.97*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,117.37	878.92
		For Class 52 Rating, Deduct	*-526.42*	
		For Class 54 Rating, Add	*733.83*	
		For Class 55 Rating, Add	*1,099.17*	
		For Class 56 Rating, Add	*1,459.72*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,393.00	882.89
		For Class 52 Rating, Deduct	*-556.08*	
		For Class 54 Rating, Add	*774.35*	
		For Class 55 Rating, Add	*1,159.44*	
		For Class 56 Rating, Add	*1,539.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,668.64	886.85
		For Class 52 Rating, Deduct	*-585.74*	
		For Class 54 Rating, Add	*814.86*	
		For Class 55 Rating, Add	*1,219.71*	
		For Class 56 Rating, Add	*1,619.23*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,944.26	890.82
		For Class 52 Rating, Deduct	*-615.40*	
		For Class 54 Rating, Add	*855.38*	
		For Class 55 Rating, Add	*1,279.97*	
		For Class 56 Rating, Add	*1,698.98*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,219.90	894.79
		For Class 52 Rating, Deduct	*-645.06*	
		For Class 54 Rating, Add	*895.89*	
		For Class 55 Rating, Add	*1,340.24*	
		For Class 56 Rating, Add	*1,778.73*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,495.52	898.76
		For Class 52 Rating, Deduct	*-674.71*	
		For Class 54 Rating, Add	*936.41*	
		For Class 55 Rating, Add	*1,400.51*	
		For Class 56 Rating, Add	*1,858.48*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,771.16	902.74
		For Class 52 Rating, Deduct	*-704.37*	
		For Class 54 Rating, Add	*976.92*	
		For Class 55 Rating, Add	*1,460.78*	
		For Class 56 Rating, Add	*1,938.24*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,046.80	906.71
		For Class 52 Rating, Deduct	*-734.03*	
		For Class 54 Rating, Add	*1,017.44*	
		For Class 55 Rating, Add	*1,521.05*	
		For Class 56 Rating, Add	*2,017.99*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,322.42	910.67
		For Class 52 Rating, Deduct	*-763.69*	
		For Class 54 Rating, Add	*1,057.95*	
		For Class 55 Rating, Add	*1,581.32*	
		For Class 56 Rating, Add	*2,097.74*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,598.05	914.64
		For Class 52 Rating, Deduct	*-793.35*	
		For Class 54 Rating, Add	*1,098.46*	
		For Class 55 Rating, Add	*1,641.59*	
		For Class 56 Rating, Add	*2,177.50*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,873.68	918.61
		For Class 52 Rating, Deduct	*-823.00*	
		For Class 54 Rating, Add	*1,138.98*	
		For Class 55 Rating, Add	*1,701.85*	
		For Class 56 Rating, Add	*2,257.25*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,149.31	922.58
		For Class 52 Rating, Deduct	*-852.66*	
		For Class 54 Rating, Add	*1,179.49*	
		For Class 55 Rating, Add	*1,762.12*	
		For Class 56 Rating, Add	*2,337.00*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,424.94	926.56
		For Class 52 Rating, Deduct	*-882.32*	
		For Class 54 Rating, Add	*1,220.01*	
		For Class 55 Rating, Add	*1,822.39*	
		For Class 56 Rating, Add	*2,416.76*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,700.57	930.53
		For Class 52 Rating, Deduct	*-911.98*	
		For Class 54 Rating, Add	*1,260.52*	
		For Class 55 Rating, Add	*1,882.66*	
		For Class 56 Rating, Add	*2,496.51*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,976.21	934.49
		For Class 52 Rating, Deduct	*-941.63*	
		For Class 54 Rating, Add	*1,301.04*	
		For Class 55 Rating, Add	*1,942.93*	
		For Class 56 Rating, Add	*2,576.26*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,251.84	938.46
		For Class 52 Rating, Deduct	*-971.29*	
		For Class 54 Rating, Add	*1,341.55*	
		For Class 55 Rating, Add	*2,003.20*	
		For Class 56 Rating, Add	*2,656.02*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,527.47	942.43
		For Class 52 Rating, Deduct	*-1,000.95*	
		For Class 54 Rating, Add	*1,382.07*	
		For Class 55 Rating, Add	*2,063.47*	
		For Class 56 Rating, Add	*2,735.77*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,803.10	946.40
		For Class 52 Rating, Deduct	*-1,030.61*	
		For Class 54 Rating, Add	*1,422.58*	
		For Class 55 Rating, Add	*2,123.74*	
		For Class 56 Rating, Add	*2,815.52*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,078.73	950.37
		For Class 52 Rating, Deduct	*-1,060.26*	
		For Class 54 Rating, Add	*1,463.10*	
		For Class 55 Rating, Add	*2,184.00*	
		For Class 56 Rating, Add	*2,895.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,354.36	954.34
		For Class 52 Rating, Deduct	*-1,089.92*	
		For Class 54 Rating, Add	*1,503.61*	
		For Class 55 Rating, Add	*2,244.27*	
		For Class 56 Rating, Add	*2,975.03*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,629.98	958.31
		For Class 52 Rating, Deduct	*-1,119.58*	
		For Class 54 Rating, Add	*1,544.12*	
		For Class 55 Rating, Add	*2,304.54*	
		For Class 56 Rating, Add	*3,054.78*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,905.62	962.28
		For Class 52 Rating, Deduct	*-1,149.24*	
		For Class 54 Rating, Add	*1,584.64*	
		For Class 55 Rating, Add	*2,364.81*	
		For Class 56 Rating, Add	*3,134.54*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,181.25	966.25
		For Class 52 Rating, Deduct	*-1,178.90*	
		For Class 54 Rating, Add	*1,625.15*	
		For Class 55 Rating, Add	*2,425.08*	
		For Class 56 Rating, Add	*3,214.29*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,456.89	970.22
		For Class 52 Rating, Deduct	*-1,208.55*	
		For Class 54 Rating, Add	*1,665.67*	
		For Class 55 Rating, Add	*2,485.35*	
		For Class 56 Rating, Add	*3,294.04*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,732.52	974.19
		For Class 52 Rating, Deduct	*-1,238.21*	
		For Class 54 Rating, Add	*1,706.18*	
		For Class 55 Rating, Add	*2,545.62*	
		For Class 56 Rating, Add	*3,373.80*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,008.14	978.16
		For Class 52 Rating, Deduct	*-1,267.87*	
		For Class 54 Rating, Add	*1,746.70*	
		For Class 55 Rating, Add	*2,605.89*	
		For Class 56 Rating, Add	*3,453.55*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,283.78	982.13
		For Class 52 Rating, Deduct	*-1,297.53*	
		For Class 54 Rating, Add	*1,787.21*	
		For Class 55 Rating, Add	*2,666.16*	
		For Class 56 Rating, Add	*3,533.30*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,559.41	986.10
		For Class 52 Rating, Deduct	*-1,327.19*	
		For Class 54 Rating, Add	*1,827.73*	
		For Class 55 Rating, Add	*2,726.42*	
		For Class 56 Rating, Add	*3,613.06*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,835.03	990.07
		For Class 52 Rating, Deduct	*-1,356.84*	
		For Class 54 Rating, Add	*1,868.24*	
		For Class 55 Rating, Add	*2,786.69*	
		For Class 56 Rating, Add	*3,692.81*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,110.67	994.04
		For Class 52 Rating, Deduct	*-1,386.50*	
		For Class 54 Rating, Add	*1,908.76*	
		For Class 55 Rating, Add	*2,846.96*	
		For Class 56 Rating, Add	*3,772.56*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,386.29	998.01
		For Class 52 Rating, Deduct	*-1,416.16*	
		For Class 54 Rating, Add	*1,949.27*	
		For Class 55 Rating, Add	*2,907.23*	
		For Class 56 Rating, Add	*3,852.31*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,661.93	1,001.98
		For Class 52 Rating, Deduct	*-1,445.82*	
		For Class 54 Rating, Add	*1,989.78*	
		For Class 55 Rating, Add	*2,967.50*	
		For Class 56 Rating, Add	*3,932.07*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,937.57	1,005.95
		For Class 52 Rating, Deduct	*-1,475.47*	
		For Class 54 Rating, Add	*2,030.30*	
		For Class 55 Rating, Add	*3,027.77*	
		For Class 56 Rating, Add	*4,011.82*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,550.13	980.55
		For Class 52 Rating, Deduct	*-447.09*	
		For Class 54 Rating, Add	*627.50*	
		For Class 55 Rating, Add	*942.03*	
		For Class 56 Rating, Add	*1,252.50*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,866.21	984.51
		For Class 52 Rating, Deduct	*-481.20*	
		For Class 54 Rating, Add	*674.08*	
		For Class 55 Rating, Add	*1,011.32*	
		For Class 56 Rating, Add	*1,344.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,182.28	988.48
		For Class 52 Rating, Deduct	*-515.30*	
		For Class 54 Rating, Add	*720.66*	
		For Class 55 Rating, Add	*1,080.61*	
		For Class 56 Rating, Add	*1,435.87*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,498.35	992.45
		For Class 52 Rating, Deduct	*-549.41*	
		For Class 54 Rating, Add	*767.24*	
		For Class 55 Rating, Add	*1,149.89*	
		For Class 56 Rating, Add	*1,527.55*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,814.42	996.42
		For Class 52 Rating, Deduct	*-583.52*	
		For Class 54 Rating, Add	*813.82*	
		For Class 55 Rating, Add	*1,219.18*	
		For Class 56 Rating, Add	*1,619.23*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,130.49	1,000.39
		For Class 52 Rating, Deduct	*-617.62*	
		For Class 54 Rating, Add	*860.40*	
		For Class 55 Rating, Add	*1,288.47*	
		For Class 56 Rating, Add	*1,710.92*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,446.57	1,004.36
		For Class 52 Rating, Deduct	*-651.73*	
		For Class 54 Rating, Add	*906.98*	
		For Class 55 Rating, Add	*1,357.75*	
		For Class 56 Rating, Add	*1,802.60*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,762.65	1,008.33
		For Class 52 Rating, Deduct	*-685.84*	
		For Class 54 Rating, Add	*953.56*	
		For Class 55 Rating, Add	*1,427.04*	
		For Class 56 Rating, Add	*1,894.29*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,078.72	1,012.30
		For Class 52 Rating, Deduct	*-719.94*	
		For Class 54 Rating, Add	*1,000.14*	
		For Class 55 Rating, Add	*1,496.33*	
		For Class 56 Rating, Add	*1,985.97*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,394.80	1,016.27
		For Class 52 Rating, Deduct	*-754.05*	
		For Class 54 Rating, Add	*1,046.73*	
		For Class 55 Rating, Add	*1,565.62*	
		For Class 56 Rating, Add	*2,077.66*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,710.87	1,020.24
		For Class 52 Rating, Deduct	*-788.16*	
		For Class 54 Rating, Add	*1,093.31*	
		For Class 55 Rating, Add	*1,634.91*	
		For Class 56 Rating, Add	*2,169.34*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,026.93	1,024.21
		For Class 52 Rating, Deduct	*-822.26*	
		For Class 54 Rating, Add	*1,139.89*	
		For Class 55 Rating, Add	*1,704.19*	
		For Class 56 Rating, Add	*2,261.02*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,343.01	1,028.18
		For Class 52 Rating, Deduct	*-856.37*	
		For Class 54 Rating, Add	*1,186.47*	
		For Class 55 Rating, Add	*1,773.48*	
		For Class 56 Rating, Add	*2,352.70*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,659.08	1,032.15
		For Class 52 Rating, Deduct	*-890.47*	
		For Class 54 Rating, Add	*1,233.05*	
		For Class 55 Rating, Add	*1,842.77*	
		For Class 56 Rating, Add	*2,444.39*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,975.15	1,036.12
		For Class 52 Rating, Deduct	*-924.58*	
		For Class 54 Rating, Add	*1,279.63*	
		For Class 55 Rating, Add	*1,912.05*	
		For Class 56 Rating, Add	*2,536.07*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,291.23	1,040.09
		For Class 52 Rating, Deduct	*-958.69*	
		For Class 54 Rating, Add	*1,326.21*	
		For Class 55 Rating, Add	*1,981.34*	
		For Class 56 Rating, Add	*2,627.76*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,607.31	1,044.06
		For Class 52 Rating, Deduct	*-992.79*	
		For Class 54 Rating, Add	*1,372.79*	
		For Class 55 Rating, Add	*2,050.63*	
		For Class 56 Rating, Add	*2,719.44*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,923.38	1,048.03
		For Class 52 Rating, Deduct	*-1,026.90*	
		For Class 54 Rating, Add	*1,419.37*	
		For Class 55 Rating, Add	*2,119.92*	
		For Class 56 Rating, Add	*2,811.12*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,239.45	1,052.00
		For Class 52 Rating, Deduct	*-1,061.01*	
		For Class 54 Rating, Add	*1,465.95*	
		For Class 55 Rating, Add	*2,189.20*	
		For Class 56 Rating, Add	*2,902.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,555.52	1,055.97
		For Class 52 Rating, Deduct	*-1,095.11*	
		For Class 54 Rating, Add	*1,512.53*	
		For Class 55 Rating, Add	*2,258.49*	
		For Class 56 Rating, Add	*2,994.49*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,871.60	1,059.94
		For Class 52 Rating, Deduct	*-1,129.22*	
		For Class 54 Rating, Add	*1,559.12*	
		For Class 55 Rating, Add	*2,327.78*	
		For Class 56 Rating, Add	*3,086.18*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,187.67	1,063.91
		For Class 52 Rating, Deduct	*-1,163.33*	
		For Class 54 Rating, Add	*1,605.70*	
		For Class 55 Rating, Add	*2,397.07*	
		For Class 56 Rating, Add	*3,177.86*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,503.74	1,067.88
		For Class 52 Rating, Deduct	*-1,197.43*	
		For Class 54 Rating, Add	*1,652.28*	
		For Class 55 Rating, Add	*2,466.35*	
		For Class 56 Rating, Add	*3,269.54*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,819.81	1,071.84
		For Class 52 Rating, Deduct	*-1,231.54*	
		For Class 54 Rating, Add	*1,698.86*	
		For Class 55 Rating, Add	*2,535.64*	
		For Class 56 Rating, Add	*3,361.23*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,135.88	1,075.81
		For Class 52 Rating, Deduct	*-1,265.64*	
		For Class 54 Rating, Add	*1,745.44*	
		For Class 55 Rating, Add	*2,604.93*	
		For Class 56 Rating, Add	*3,452.91*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,451.97	1,079.79
		For Class 52 Rating, Deduct	*-1,299.75*	
		For Class 54 Rating, Add	*1,792.02*	
		For Class 55 Rating, Add	*2,674.22*	
		For Class 56 Rating, Add	*3,544.59*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,768.04	1,083.76
		For Class 52 Rating, Deduct	*-1,333.86*	
		For Class 54 Rating, Add	*1,838.60*	
		For Class 55 Rating, Add	*2,743.50*	
		For Class 56 Rating, Add	*3,636.28*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,084.11	1,087.73
		For Class 52 Rating, Deduct	*-1,367.96*	
		For Class 54 Rating, Add	*1,885.18*	
		For Class 55 Rating, Add	*2,812.79*	
		For Class 56 Rating, Add	*3,727.96*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,400.19	1,091.70
		For Class 52 Rating, Deduct	*-1,402.07*	
		For Class 54 Rating, Add	*1,931.76*	
		For Class 55 Rating, Add	*2,882.08*	
		For Class 56 Rating, Add	*3,819.65*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,716.25	1,095.66
		For Class 52 Rating, Deduct	*-1,436.18*	
		For Class 54 Rating, Add	*1,978.34*	
		For Class 55 Rating, Add	*2,951.36*	
		For Class 56 Rating, Add	*3,911.33*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,032.32	1,099.63
		For Class 52 Rating, Deduct	*-1,470.28*	
		For Class 54 Rating, Add	*2,024.92*	
		For Class 55 Rating, Add	*3,020.65*	
		For Class 56 Rating, Add	*4,003.01*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,348.40	1,103.61
		For Class 52 Rating, Deduct	*-1,504.39*	
		For Class 54 Rating, Add	*2,071.51*	
		For Class 55 Rating, Add	*3,089.94*	
		For Class 56 Rating, Add	*4,094.70*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,664.47	1,107.58
		For Class 52 Rating, Deduct	*-1,538.50*	
		For Class 54 Rating, Add	*2,118.09*	
		For Class 55 Rating, Add	*3,159.23*	
		For Class 56 Rating, Add	*4,186.38*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,980.55	1,111.55
		For Class 52 Rating, Deduct	*-1,572.60*	
		For Class 54 Rating, Add	*2,164.67*	
		For Class 55 Rating, Add	*3,228.51*	
		For Class 56 Rating, Add	*4,278.06*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,296.63	1,115.52
		For Class 52 Rating, Deduct	*-1,606.71*	
		For Class 54 Rating, Add	*2,211.25*	
		For Class 55 Rating, Add	*3,297.80*	
		For Class 56 Rating, Add	*4,369.75*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,612.70	1,119.48
		For Class 52 Rating, Deduct	*-1,640.82*	
		For Class 54 Rating, Add	*2,257.83*	
		For Class 55 Rating, Add	*3,367.09*	
		For Class 56 Rating, Add	*4,461.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,928.77	1,123.45
		For Class 52 Rating, Deduct	*-1,674.92*	
		For Class 54 Rating, Add	*2,304.41*	
		For Class 55 Rating, Add	*3,436.38*	
		For Class 56 Rating, Add	*4,553.11*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,244.84	1,127.42
		For Class 52 Rating, Deduct	*-1,709.03*	
		For Class 54 Rating, Add	*2,350.99*	
		For Class 55 Rating, Add	*3,505.66*	
		For Class 56 Rating, Add	*4,644.80*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,829.61	1,159.19
		For Class 52 Rating, Deduct	*-558.06*	
		For Class 54 Rating, Add	*782.07*	
		For Class 55 Rating, Add	*1,173.49*	
		For Class 56 Rating, Add	*1,559.84*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,219.83	1,163.15
		For Class 52 Rating, Deduct	*-600.32*	
		For Class 54 Rating, Add	*839.77*	
		For Class 55 Rating, Add	*1,259.31*	
		For Class 56 Rating, Add	*1,673.40*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,610.05	1,167.12
		For Class 52 Rating, Deduct	*-642.58*	
		For Class 54 Rating, Add	*897.47*	
		For Class 55 Rating, Add	*1,345.14*	
		For Class 56 Rating, Add	*1,786.96*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,000.26	1,171.09
		For Class 52 Rating, Deduct	*-684.85*	
		For Class 54 Rating, Add	*955.17*	
		For Class 55 Rating, Add	*1,430.96*	
		For Class 56 Rating, Add	*1,900.51*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,390.48	1,175.06
		For Class 52 Rating, Deduct	*-727.11*	
		For Class 54 Rating, Add	*1,012.88*	
		For Class 55 Rating, Add	*1,516.78*	
		For Class 56 Rating, Add	*2,014.07*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,780.70	1,179.04
		For Class 52 Rating, Deduct	*-769.37*	
		For Class 54 Rating, Add	*1,070.58*	
		For Class 55 Rating, Add	*1,602.60*	
		For Class 56 Rating, Add	*2,127.63*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,170.92	1,183.01
		For Class 52 Rating, Deduct	*-811.63*	
		For Class 54 Rating, Add	*1,128.28*	
		For Class 55 Rating, Add	*1,688.42*	
		For Class 56 Rating, Add	*2,241.18*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,561.14	1,186.97
		For Class 52 Rating, Deduct	*-853.90*	
		For Class 54 Rating, Add	*1,185.98*	
		For Class 55 Rating, Add	*1,774.24*	
		For Class 56 Rating, Add	*2,354.74*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,951.36	1,190.94
		For Class 52 Rating, Deduct	*-896.16*	
		For Class 54 Rating, Add	*1,243.69*	
		For Class 55 Rating, Add	*1,860.07*	
		For Class 56 Rating, Add	*2,468.30*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,341.57	1,194.91
		For Class 52 Rating, Deduct	*-938.42*	
		For Class 54 Rating, Add	*1,301.39*	
		For Class 55 Rating, Add	*1,945.89*	
		For Class 56 Rating, Add	*2,581.85*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,731.79	1,198.88
		For Class 52 Rating, Deduct	*-980.68*	
		For Class 54 Rating, Add	*1,359.09*	
		For Class 55 Rating, Add	*2,031.71*	
		For Class 56 Rating, Add	*2,695.41*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,122.01	1,202.85
		For Class 52 Rating, Deduct	*-1,022.95*	
		For Class 54 Rating, Add	*1,416.80*	
		For Class 55 Rating, Add	*2,117.53*	
		For Class 56 Rating, Add	*2,808.97*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,512.22	1,206.82
		For Class 52 Rating, Deduct	*-1,065.21*	
		For Class 54 Rating, Add	*1,474.50*	
		For Class 55 Rating, Add	*2,203.35*	
		For Class 56 Rating, Add	*2,922.52*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,902.44	1,210.79
		For Class 52 Rating, Deduct	*-1,107.47*	
		For Class 54 Rating, Add	*1,532.20*	
		For Class 55 Rating, Add	*2,289.17*	
		For Class 56 Rating, Add	*3,036.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,292.66	1,214.76
		For Class 52 Rating, Deduct	*-1,149.73*	
		For Class 54 Rating, Add	*1,589.90*	
		For Class 55 Rating, Add	*2,374.99*	
		For Class 56 Rating, Add	*3,149.63*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,682.88	1,218.73
		For Class 52 Rating, Deduct	*-1,192.00*	
		For Class 54 Rating, Add	*1,647.61*	
		For Class 55 Rating, Add	*2,460.82*	
		For Class 56 Rating, Add	*3,263.19*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,073.10	1,222.70
		For Class 52 Rating, Deduct	*-1,234.26*	
		For Class 54 Rating, Add	*1,705.31*	
		For Class 55 Rating, Add	*2,546.64*	
		For Class 56 Rating, Add	*3,376.75*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,463.31	1,226.67
		For Class 52 Rating, Deduct	*-1,276.52*	
		For Class 54 Rating, Add	*1,768.01*	
		For Class 55 Rating, Add	*2,632.46*	
		For Class 56 Rating, Add	*3,490.30*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,853.53	1,230.64
		For Class 52 Rating, Deduct	*-1,318.78*	
		For Class 54 Rating, Add	*1,820.71*	
		For Class 55 Rating, Add	*2,718.28*	
		For Class 56 Rating, Add	*3,603.86*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,243.75	1,234.61
		For Class 52 Rating, Deduct	*-1,361.04*	
		For Class 54 Rating, Add	*1,878.42*	
		For Class 55 Rating, Add	*2,804.10*	
		For Class 56 Rating, Add	*3,717.42*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,633.96	1,238.58
		For Class 52 Rating, Deduct	*-1,403.31*	
		For Class 54 Rating, Add	*1,936.12*	
		For Class 55 Rating, Add	*2,889.92*	
		For Class 56 Rating, Add	*3,830.97*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,024.18	1,242.55
		For Class 52 Rating, Deduct	*-1,445.57*	
		For Class 54 Rating, Add	*1,993.82*	
		For Class 55 Rating, Add	*2,975.74*	
		For Class 56 Rating, Add	*3,944.53*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,414.40	1,246.52
		For Class 52 Rating, Deduct	*-1,487.83*	
		For Class 54 Rating, Add	*2,051.52*	
		For Class 55 Rating, Add	*3,061.57*	
		For Class 56 Rating, Add	*4,058.09*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,804.62	1,250.49
		For Class 52 Rating, Deduct	*-1,530.09*	
		For Class 54 Rating, Add	*2,109.23*	
		For Class 55 Rating, Add	*3,147.39*	
		For Class 56 Rating, Add	*4,171.64*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,194.84	1,254.46
		For Class 52 Rating, Deduct	*-1,572.36*	
		For Class 54 Rating, Add	*2,166.93*	
		For Class 55 Rating, Add	*3,233.21*	
		For Class 56 Rating, Add	*4,285.20*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,585.05	1,258.43
		For Class 52 Rating, Deduct	*-1,614.62*	
		For Class 54 Rating, Add	*2,224.63*	
		For Class 55 Rating, Add	*3,319.03*	
		For Class 56 Rating, Add	*4,398.75*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,975.28	1,262.40
		For Class 52 Rating, Deduct	*-1,656.88*	
		For Class 54 Rating, Add	*2,282.34*	
		For Class 55 Rating, Add	*3,404.85*	
		For Class 56 Rating, Add	*4,512.31*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,365.49	1,266.37
		For Class 52 Rating, Deduct	*-1,699.14*	
		For Class 54 Rating, Add	*2,340.04*	
		For Class 55 Rating, Add	*3,490.68*	
		For Class 56 Rating, Add	*4,625.87*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,755.70	1,270.34
		For Class 52 Rating, Deduct	*-1,741.40*	
		For Class 54 Rating, Add	*2,397.74*	
		For Class 55 Rating, Add	*3,576.50*	
		For Class 56 Rating, Add	*4,739.42*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,248.18	1,341.79
		For Class 52 Rating, Deduct	*-1,783.67*	
		For Class 54 Rating, Add	*2,456.67*	
		For Class 55 Rating, Add	*3,664.77*	
		For Class 56 Rating, Add	*4,856.66*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,638.39	1,345.76
		For Class 52 Rating, Deduct	*-1,825.93*	
		For Class 54 Rating, Add	*2,514.37*	
		For Class 55 Rating, Add	*3,750.59*	
		For Class 56 Rating, Add	*4,970.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,028.61	1,349.73
		For Class 52 Rating, Deduct	*-1,868.19*	
		For Class 54 Rating, Add	*2,572.07*	
		For Class 55 Rating, Add	*3,836.42*	
		For Class 56 Rating, Add	*5,083.77*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,418.83	1,353.70
		For Class 52 Rating, Deduct	*-1,910.45*	
		For Class 54 Rating, Add	*2,629.78*	
		For Class 55 Rating, Add	*3,922.24*	
		For Class 56 Rating, Add	*5,197.33*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,809.05	1,357.68
		For Class 52 Rating, Deduct	*-1,952.72*	
		For Class 54 Rating, Add	*2,687.48*	
		For Class 55 Rating, Add	*4,008.06*	
		For Class 56 Rating, Add	*5,310.89*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,199.27	1,361.65
		For Class 52 Rating, Deduct	*-1,994.98*	
		For Class 54 Rating, Add	*2,745.18*	
		For Class 55 Rating, Add	*4,093.88*	
		For Class 56 Rating, Add	*5,424.44*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,589.48	1,365.61
		For Class 52 Rating, Deduct	*-2,037.24*	
		For Class 54 Rating, Add	*2,802.88*	
		For Class 55 Rating, Add	*4,179.70*	
		For Class 56 Rating, Add	*5,538.00*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,979.71	1,369.58
		For Class 52 Rating, Deduct	*-2,079.50*	
		For Class 54 Rating, Add	*2,860.59*	
		For Class 55 Rating, Add	*4,265.52*	
		For Class 56 Rating, Add	*5,651.56*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,369.92	1,373.55
		For Class 52 Rating, Deduct	*-2,121.77*	
		For Class 54 Rating, Add	*2,918.29*	
		For Class 55 Rating, Add	*4,351.35*	
		For Class 56 Rating, Add	*5,765.11*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,544.13	1,635.56
		For Class 52 Rating, Deduct	*-887.26*	
		For Class 54 Rating, Add	*1,239.64*	
		For Class 55 Rating, Add	*1,858.20*	
		For Class 56 Rating, Add	*2,468.69*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,105.11	1,639.53
		For Class 52 Rating, Deduct	*-948.31*	
		For Class 54 Rating, Add	*1,322.96*	
		For Class 55 Rating, Add	*1,982.10*	
		For Class 56 Rating, Add	*2,632.62*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,666.08	1,643.50
		For Class 52 Rating, Deduct	*-1,009.35*	
		For Class 54 Rating, Add	*1,406.27*	
		For Class 55 Rating, Add	*2,106.00*	
		For Class 56 Rating, Add	*2,796.54*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,227.05	1,647.47
		For Class 52 Rating, Deduct	*-1,070.40*	
		For Class 54 Rating, Add	*1,489.59*	
		For Class 55 Rating, Add	*2,229.90*	
		For Class 56 Rating, Add	*2,960.47*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,788.03	1,651.44
		For Class 52 Rating, Deduct	*-1,131.44*	
		For Class 54 Rating, Add	*1,572.90*	
		For Class 55 Rating, Add	*2,353.80*	
		For Class 56 Rating, Add	*3,124.40*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,349.00	1,655.41
		For Class 52 Rating, Deduct	*-1,192.49*	
		For Class 54 Rating, Add	*1,656.22*	
		For Class 55 Rating, Add	*2,477.70*	
		For Class 56 Rating, Add	*3,288.33*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,909.98	1,659.37
		For Class 52 Rating, Deduct	*-1,253.53*	
		For Class 54 Rating, Add	*1,739.54*	
		For Class 55 Rating, Add	*2,601.60*	
		For Class 56 Rating, Add	*3,452.26*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,470.96	1,663.35
		For Class 52 Rating, Deduct	*-1,314.58*	
		For Class 54 Rating, Add	*1,822.85*	
		For Class 55 Rating, Add	*2,725.50*	
		For Class 56 Rating, Add	*3,616.19*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,031.93	1,667.32
		For Class 52 Rating, Deduct	*-1,375.63*	
		For Class 54 Rating, Add	*1,906.17*	
		For Class 55 Rating, Add	*2,849.40*	
		For Class 56 Rating, Add	*3,780.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,592.91	1,671.29
		For Class 52 Rating, Deduct	*-1,436.67*	
		For Class 54 Rating, Add	*1,989.48*	
		For Class 55 Rating, Add	*2,973.30*	
		For Class 56 Rating, Add	*3,944.05*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,153.88	1,675.26
		For Class 52 Rating, Deduct	*-1,497.72*	
		For Class 54 Rating, Add	*2,072.80*	
		For Class 55 Rating, Add	*3,097.20*	
		For Class 56 Rating, Add	*4,107.98*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,714.85	1,679.23
		For Class 52 Rating, Deduct	*-1,558.76*	
		For Class 54 Rating, Add	*2,156.12*	
		For Class 55 Rating, Add	*3,221.10*	
		For Class 56 Rating, Add	*4,271.91*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,275.83	1,683.19
		For Class 52 Rating, Deduct	*-1,619.81*	
		For Class 54 Rating, Add	*2,239.43*	
		For Class 55 Rating, Add	*3,345.00*	
		For Class 56 Rating, Add	*4,435.84*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,836.80	1,687.17
		For Class 52 Rating, Deduct	*-1,680.85*	
		For Class 54 Rating, Add	*2,322.75*	
		For Class 55 Rating, Add	*3,468.90*	
		For Class 56 Rating, Add	*4,599.77*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,397.77	1,691.14
		For Class 52 Rating, Deduct	*-1,741.90*	
		For Class 54 Rating, Add	*2,406.07*	
		For Class 55 Rating, Add	*3,592.80*	
		For Class 56 Rating, Add	*4,763.70*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,958.76	1,695.11
		For Class 52 Rating, Deduct	*-1,802.95*	
		For Class 54 Rating, Add	*2,489.38*	
		For Class 55 Rating, Add	*3,716.70*	
		For Class 56 Rating, Add	*4,927.63*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,519.73	1,699.08
		For Class 52 Rating, Deduct	*-1,863.99*	
		For Class 54 Rating, Add	*2,572.70*	
		For Class 55 Rating, Add	*3,840.60*	
		For Class 56 Rating, Add	*5,091.56*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,080.71	1,703.04
		For Class 52 Rating, Deduct	*-1,925.04*	
		For Class 54 Rating, Add	*2,656.01*	
		For Class 55 Rating, Add	*3,964.50*	
		For Class 56 Rating, Add	*5,255.49*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,641.67	1,707.01
		For Class 52 Rating, Deduct	*-1,986.08*	
		For Class 54 Rating, Add	*2,739.33*	
		For Class 55 Rating, Add	*4,088.40*	
		For Class 56 Rating, Add	*5,419.42*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,202.64	1,710.99
		For Class 52 Rating, Deduct	*-2,047.13*	
		For Class 54 Rating, Add	*2,822.64*	
		For Class 55 Rating, Add	*4,212.30*	
		For Class 56 Rating, Add	*5,583.35*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,763.62	1,714.96
		For Class 52 Rating, Deduct	*-2,108.17*	
		For Class 54 Rating, Add	*2,905.96*	
		For Class 55 Rating, Add	*4,336.20*	
		For Class 56 Rating, Add	*5,747.28*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,324.59	1,718.93
		For Class 52 Rating, Deduct	*-2,169.22*	
		For Class 54 Rating, Add	*2,989.28*	
		For Class 55 Rating, Add	*4,460.10*	
		For Class 56 Rating, Add	*5,911.21*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,885.56	1,722.90
		For Class 52 Rating, Deduct	*-2,230.26*	
		For Class 54 Rating, Add	*3,072.59*	
		For Class 55 Rating, Add	*4,584.00*	
		For Class 56 Rating, Add	*6,075.14*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,446.55	1,726.86
		For Class 52 Rating, Deduct	*-2,291.31*	
		For Class 54 Rating, Add	*3,155.91*	
		For Class 55 Rating, Add	*4,707.90*	
		For Class 56 Rating, Add	*6,239.07*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,005.28	1,730.83
		For Class 52 Rating, Deduct	*-2,352.11*	
		For Class 54 Rating, Add	*3,238.89*	
		For Class 55 Rating, Add	*4,831.30*	
		For Class 56 Rating, Add	*6,402.34*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,568.50	1,734.80
		For Class 52 Rating, Deduct	*-2,413.40*	
		For Class 54 Rating, Add	*3,322.54*	
		For Class 55 Rating, Add	*4,955.70*	
		For Class 56 Rating, Add	*6,566.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,129.47	1,738.78
		For Class 52 Rating, Deduct	*-2,474.45*	
		For Class 54 Rating, Add	*3,405.86*	
		For Class 55 Rating, Add	*5,079.60*	
		For Class 56 Rating, Add	*6,730.86*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,690.44	1,742.75
		For Class 52 Rating, Deduct	*-2,535.49*	
		For Class 54 Rating, Add	*3,489.17*	
		For Class 55 Rating, Add	*5,203.50*	
		For Class 56 Rating, Add	*6,894.79*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,251.42	1,746.72
		For Class 52 Rating, Deduct	*-2,596.54*	
		For Class 54 Rating, Add	*3,572.49*	
		For Class 55 Rating, Add	*5,327.41*	
		For Class 56 Rating, Add	*7,058.72*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,812.39	1,750.68
		For Class 52 Rating, Deduct	*-2,657.58*	
		For Class 54 Rating, Add	*3,655.81*	
		For Class 55 Rating, Add	*5,451.31*	
		For Class 56 Rating, Add	*7,222.64*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,373.36	1,754.65
		For Class 52 Rating, Deduct	*-2,718.63*	
		For Class 54 Rating, Add	*3,739.12*	
		For Class 55 Rating, Add	*5,575.21*	
		For Class 56 Rating, Add	*7,386.57*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,934.34	1,758.62
		For Class 52 Rating, Deduct	*-2,779.67*	
		For Class 54 Rating, Add	*3,822.44*	
		For Class 55 Rating, Add	*5,699.11*	
		For Class 56 Rating, Add	*7,550.50*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,495.32	1,762.60
		For Class 52 Rating, Deduct	*-2,840.72*	
		For Class 54 Rating, Add	*3,905.76*	
		For Class 55 Rating, Add	*5,823.01*	
		For Class 56 Rating, Add	*7,714.43*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,056.29	1,766.57
		For Class 52 Rating, Deduct	*-2,901.76*	
		For Class 54 Rating, Add	*3,989.07*	
		For Class 55 Rating, Add	*5,946.91*	
		For Class 56 Rating, Add	*7,878.36*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,617.27	1,770.53
		For Class 52 Rating, Deduct	*-2,962.81*	
		For Class 54 Rating, Add	*4,072.39*	
		For Class 55 Rating, Add	*6,070.81*	
		For Class 56 Rating, Add	*8,042.29*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,178.24	1,774.50
		For Class 52 Rating, Deduct	*-3,023.86*	
		For Class 54 Rating, Add	*4,155.70*	
		For Class 55 Rating, Add	*6,194.71*	
		For Class 56 Rating, Add	*8,206.22*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,739.22	1,778.47
		For Class 52 Rating, Deduct	*-3,084.90*	
		For Class 54 Rating, Add	*4,239.02*	
		For Class 55 Rating, Add	*6,318.61*	
		For Class 56 Rating, Add	*8,370.15*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,300.19	1,782.44
		For Class 52 Rating, Deduct	*-3,145.95*	
		For Class 54 Rating, Add	*4,322.34*	
		For Class 55 Rating, Add	*6,442.51*	
		For Class 56 Rating, Add	*8,534.08*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,681.57	2,072.24
		For Class 52 Rating, Deduct	*-1,269.60*	
		For Class 54 Rating, Add	*1,768.95*	
		For Class 55 Rating, Add	*2,649.18*	
		For Class 56 Rating, Add	*3,517.87*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,442.51	2,076.21
		For Class 52 Rating, Deduct	*-1,352.64*	
		For Class 54 Rating, Add	*1,882.26*	
		For Class 55 Rating, Add	*2,817.67*	
		For Class 56 Rating, Add	*3,740.79*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,203.45	2,080.18
		For Class 52 Rating, Deduct	*-1,435.68*	
		For Class 54 Rating, Add	*1,995.57*	
		For Class 55 Rating, Add	*2,986.16*	
		For Class 56 Rating, Add	*3,963.70*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,964.39	2,084.15
		For Class 52 Rating, Deduct	*-1,518.72*	
		For Class 54 Rating, Add	*2,108.88*	
		For Class 55 Rating, Add	*3,154.66*	
		For Class 56 Rating, Add	*4,186.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,725.32	2,088.11
		For Class 52 Rating, Deduct	*-1,601.77*	
		For Class 54 Rating, Add	*2,222.19*	
		For Class 55 Rating, Add	*3,323.15*	
		For Class 56 Rating, Add	*4,409.54*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,486.27	2,092.09
		For Class 52 Rating, Deduct	*-1,684.81*	
		For Class 54 Rating, Add	*2,335.50*	
		For Class 55 Rating, Add	*3,491.64*	
		For Class 56 Rating, Add	*4,632.46*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,247.20	2,096.06
		For Class 52 Rating, Deduct	*-1,767.85*	
		For Class 54 Rating, Add	*2,448.81*	
		For Class 55 Rating, Add	*3,660.13*	
		For Class 56 Rating, Add	*4,855.38*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,008.15	2,100.03
		For Class 52 Rating, Deduct	*-1,850.89*	
		For Class 54 Rating, Add	*2,562.13*	
		For Class 55 Rating, Add	*3,828.63*	
		For Class 56 Rating, Add	*5,078.30*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,769.09	2,104.00
		For Class 52 Rating, Deduct	*-1,933.93*	
		For Class 54 Rating, Add	*2,675.44*	
		For Class 55 Rating, Add	*3,997.12*	
		For Class 56 Rating, Add	*5,301.22*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,530.02	2,107.97
		For Class 52 Rating, Deduct	*-2,016.97*	
		For Class 54 Rating, Add	*2,788.75*	
		For Class 55 Rating, Add	*4,165.61*	
		For Class 56 Rating, Add	*5,524.14*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,290.97	2,111.93
		For Class 52 Rating, Deduct	*-2,100.02*	
		For Class 54 Rating, Add	*2,902.06*	
		For Class 55 Rating, Add	*4,334.10*	
		For Class 56 Rating, Add	*5,747.06*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,051.90	2,115.90
		For Class 52 Rating, Deduct	*-2,183.06*	
		For Class 54 Rating, Add	*3,015.37*	
		For Class 55 Rating, Add	*4,502.60*	
		For Class 56 Rating, Add	*5,969.98*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,812.84	2,119.88
		For Class 52 Rating, Deduct	*-2,266.10*	
		For Class 54 Rating, Add	*3,128.68*	
		For Class 55 Rating, Add	*4,671.09*	
		For Class 56 Rating, Add	*6,192.90*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,573.78	2,123.85
		For Class 52 Rating, Deduct	*-2,349.14*	
		For Class 54 Rating, Add	*3,241.99*	
		For Class 55 Rating, Add	*4,839.58*	
		For Class 56 Rating, Add	*6,415.82*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,334.72	2,127.82
		For Class 52 Rating, Deduct	*-2,432.18*	
		For Class 54 Rating, Add	*3,355.30*	
		For Class 55 Rating, Add	*5,008.07*	
		For Class 56 Rating, Add	*6,638.74*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,095.65	2,131.78
		For Class 52 Rating, Deduct	*-2,515.22*	
		For Class 54 Rating, Add	*3,468.61*	
		For Class 55 Rating, Add	*5,176.57*	
		For Class 56 Rating, Add	*6,861.65*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,856.60	2,135.75
		For Class 52 Rating, Deduct	*-2,598.27*	
		For Class 54 Rating, Add	*3,581.92*	
		For Class 55 Rating, Add	*5,345.06*	
		For Class 56 Rating, Add	*7,084.58*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,617.54	2,139.72
		For Class 52 Rating, Deduct	*-2,681.31*	
		For Class 54 Rating, Add	*3,695.23*	
		For Class 55 Rating, Add	*5,513.55*	
		For Class 56 Rating, Add	*7,307.49*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,378.49	2,143.70
		For Class 52 Rating, Deduct	*-2,764.35*	
		For Class 54 Rating, Add	*3,808.55*	
		For Class 55 Rating, Add	*5,682.05*	
		For Class 56 Rating, Add	*7,530.41*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,139.42	2,147.67
		For Class 52 Rating, Deduct	*-2,847.39*	
		For Class 54 Rating, Add	*3,921.86*	
		For Class 55 Rating, Add	*5,850.54*	
		For Class 56 Rating, Add	*7,753.33*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,900.36	2,151.64
		For Class 52 Rating, Deduct	*-2,930.43*	
		For Class 54 Rating, Add	*4,035.17*	
		For Class 55 Rating, Add	*6,019.03*	
		For Class 56 Rating, Add	*7,976.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,661.30	2,155.60
		For Class 52 Rating, Deduct	*-3,013.48*	
		For Class 54 Rating, Add	*4,148.48*	
		For Class 55 Rating, Add	*6,187.52*	
		For Class 56 Rating, Add	*8,199.17*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,422.24	2,159.57
		For Class 52 Rating, Deduct	*-3,096.52*	
		For Class 54 Rating, Add	*4,261.79*	
		For Class 55 Rating, Add	*6,356.02*	
		For Class 56 Rating, Add	*8,422.09*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,183.17	2,163.54
		For Class 52 Rating, Deduct	*-3,179.56*	
		For Class 54 Rating, Add	*4,375.10*	
		For Class 55 Rating, Add	*6,524.51*	
		For Class 56 Rating, Add	*8,645.01*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,944.12	2,167.52
		For Class 52 Rating, Deduct	*-3,262.60*	
		For Class 54 Rating, Add	*4,488.41*	
		For Class 55 Rating, Add	*6,693.00*	
		For Class 56 Rating, Add	*8,867.93*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,705.06	2,171.49
		For Class 52 Rating, Deduct	*-3,345.64*	
		For Class 54 Rating, Add	*4,601.72*	
		For Class 55 Rating, Add	*6,861.49*	
		For Class 56 Rating, Add	*9,090.85*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,466.01	2,175.46
		For Class 52 Rating, Deduct	*-3,428.68*	
		For Class 54 Rating, Add	*4,715.03*	
		For Class 55 Rating, Add	*7,029.99*	
		For Class 56 Rating, Add	*9,313.77*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,226.94	2,179.42
		For Class 52 Rating, Deduct	*-3,511.73*	
		For Class 54 Rating, Add	*4,828.34*	
		For Class 55 Rating, Add	*7,198.48*	
		For Class 56 Rating, Add	*9,536.69*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,987.88	2,183.39
		For Class 52 Rating, Deduct	*-3,594.77*	
		For Class 54 Rating, Add	*4,941.65*	
		For Class 55 Rating, Add	*7,366.97*	
		For Class 56 Rating, Add	*9,759.61*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,748.82	2,187.36
		For Class 52 Rating, Deduct	*-3,677.81*	
		For Class 54 Rating, Add	*5,054.96*	
		For Class 55 Rating, Add	*7,535.46*	
		For Class 56 Rating, Add	*9,982.53*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,509.76	2,191.33
		For Class 52 Rating, Deduct	*-3,760.85*	
		For Class 54 Rating, Add	*5,168.28*	
		For Class 55 Rating, Add	*7,703.96*	
		For Class 56 Rating, Add	*10,205.45*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,270.69	2,195.31
		For Class 52 Rating, Deduct	*-3,843.89*	
		For Class 54 Rating, Add	*5,281.59*	
		For Class 55 Rating, Add	*7,872.45*	
		For Class 56 Rating, Add	*10,428.37*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,031.64	2,199.27
		For Class 52 Rating, Deduct	*-3,926.94*	
		For Class 54 Rating, Add	*5,394.90*	
		For Class 55 Rating, Add	*8,040.94*	
		For Class 56 Rating, Add	*10,651.29*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,792.57	2,203.24
		For Class 52 Rating, Deduct	*-4,009.98*	
		For Class 54 Rating, Add	*5,508.21*	
		For Class 55 Rating, Add	*8,209.43*	
		For Class 56 Rating, Add	*10,874.20*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,553.51	2,207.21
		For Class 52 Rating, Deduct	*-4,093.02*	
		For Class 54 Rating, Add	*5,621.52*	
		For Class 55 Rating, Add	*8,377.92*	
		For Class 56 Rating, Add	*11,097.12*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,314.46	2,211.18
		For Class 52 Rating, Deduct	*-4,176.06*	
		For Class 54 Rating, Add	*5,734.83*	
		For Class 55 Rating, Add	*8,546.42*	
		For Class 56 Rating, Add	*11,320.04*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,075.39	2,215.15
		For Class 52 Rating, Deduct	*-4,259.10*	
		For Class 54 Rating, Add	*5,848.14*	
		For Class 55 Rating, Add	*8,714.91*	
		For Class 56 Rating, Add	*11,542.96*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,836.34	2,219.13
		For Class 52 Rating, Deduct	*-4,342.14*	
		For Class 54 Rating, Add	*5,961.45*	
		For Class 55 Rating, Add	*8,883.40*	
		For Class 56 Rating, Add	*11,765.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476		42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,355.09	2,612.13
		For Class 52 Rating, Deduct	*-1,693.71*	
		For Class 54 Rating, Add	*2,357.09*	
		For Class 55 Rating, Add	*3,528.59*	
		For Class 56 Rating, Add	*4,684.69*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,489.01	2,616.10
		For Class 52 Rating, Deduct	*-1,817.77*	
		For Class 54 Rating, Add	*2,526.35*	
		For Class 55 Rating, Add	*3,780.25*	
		For Class 56 Rating, Add	*5,017.63*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,609.44	2,620.07
		For Class 52 Rating, Deduct	*-1,940.36*	
		For Class 54 Rating, Add	*2,693.58*	
		For Class 55 Rating, Add	*4,028.91*	
		For Class 56 Rating, Add	*5,346.60*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,741.09	2,624.05
		For Class 52 Rating, Deduct	*-2,064.18*	
		For Class 54 Rating, Add	*2,862.50*	
		For Class 55 Rating, Add	*4,280.07*	
		For Class 56 Rating, Add	*5,678.88*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,861.53	2,628.01
		For Class 52 Rating, Deduct	*-2,186.77*	
		For Class 54 Rating, Add	*3,029.74*	
		For Class 55 Rating, Add	*4,528.74*	
		For Class 56 Rating, Add	*6,007.85*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,995.43	2,631.98
		For Class 52 Rating, Deduct	*-2,310.83*	
		For Class 54 Rating, Add	*3,198.99*	
		For Class 55 Rating, Add	*4,780.40*	
		For Class 56 Rating, Add	*6,340.80*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,113.61	2,635.95
		For Class 52 Rating, Deduct	*-2,433.17*	
		For Class 54 Rating, Add	*3,365.89*	
		For Class 55 Rating, Add	*5,028.56*	
		For Class 56 Rating, Add	*6,669.11*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,247.52	2,639.92
		For Class 52 Rating, Deduct	*-2,557.24*	
		For Class 54 Rating, Add	*3,535.14*	
		For Class 55 Rating, Add	*5,280.22*	
		For Class 56 Rating, Add	*7,002.05*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,367.94	2,643.89
		For Class 52 Rating, Deduct	*-2,679.83*	
		For Class 54 Rating, Add	*3,702.38*	
		For Class 55 Rating, Add	*5,528.88*	
		For Class 56 Rating, Add	*7,331.02*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,499.61	2,647.86
		For Class 52 Rating, Deduct	*-2,803.65*	
		For Class 54 Rating, Add	*3,871.30*	
		For Class 55 Rating, Add	*5,780.04*	
		For Class 56 Rating, Add	*7,663.30*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,620.04	2,651.83
		For Class 52 Rating, Deduct	*-2,926.23*	
		For Class 54 Rating, Add	*4,038.53*	
		For Class 55 Rating, Add	*6,028.70*	
		For Class 56 Rating, Add	*7,992.27*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,751.70	2,655.80
		For Class 52 Rating, Deduct	*-3,050.05*	
		For Class 54 Rating, Add	*4,207.45*	
		For Class 55 Rating, Add	*6,279.87*	
		For Class 56 Rating, Add	*8,324.55*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,872.13	2,659.77
		For Class 52 Rating, Deduct	*-3,172.64*	
		For Class 54 Rating, Add	*4,374.69*	
		For Class 55 Rating, Add	*6,528.52*	
		For Class 56 Rating, Add	*8,653.52*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,994.80	2,663.74
		For Class 52 Rating, Deduct	*-3,295.47*	
		For Class 54 Rating, Add	*4,542.26*	
		For Class 55 Rating, Add	*6,777.68*	
		For Class 56 Rating, Add	*8,983.15*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,124.21	2,667.71
		For Class 52 Rating, Deduct	*-3,419.05*	
		For Class 54 Rating, Add	*4,710.84*	
		For Class 55 Rating, Add	*7,028.34*	
		For Class 56 Rating, Add	*9,314.77*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,244.64	2,671.68
		For Class 52 Rating, Deduct	*-3,541.63*	
		For Class 54 Rating, Add	*4,878.07*	
		For Class 55 Rating, Add	*7,277.00*	
		For Class 56 Rating, Add	*9,643.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,378.55	2,675.65
		For Class 52 Rating, Deduct	*-3,665.70*	
		For Class 54 Rating, Add	*5,047.33*	
		For Class 55 Rating, Add	*7,528.67*	
		For Class 56 Rating, Add	*9,976.68*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,498.97	2,679.62
		For Class 52 Rating, Deduct	*-3,788.28*	
		For Class 54 Rating, Add	*5,214.56*	
		For Class 55 Rating, Add	*7,777.33*	
		For Class 56 Rating, Add	*10,305.65*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,630.64	2,683.59
		For Class 52 Rating, Deduct	*-3,912.11*	
		For Class 54 Rating, Add	*5,383.48*	
		For Class 55 Rating, Add	*8,028.49*	
		For Class 56 Rating, Add	*10,637.93*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,751.07	2,687.56
		For Class 52 Rating, Deduct	*-4,034.69*	
		For Class 54 Rating, Add	*5,550.72*	
		For Class 55 Rating, Add	*8,277.15*	
		For Class 56 Rating, Add	*10,966.90*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,884.98	2,691.53
		For Class 52 Rating, Deduct	*-4,158.76*	
		For Class 54 Rating, Add	*5,719.97*	
		For Class 55 Rating, Add	*8,528.81*	
		For Class 56 Rating, Add	*11,299.85*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,005.41	2,695.49
		For Class 52 Rating, Deduct	*-4,281.35*	
		For Class 54 Rating, Add	*5,887.21*	
		For Class 55 Rating, Add	*8,777.47*	
		For Class 56 Rating, Add	*11,628.82*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,137.06	2,699.47
		For Class 52 Rating, Deduct	*-4,405.17*	
		For Class 54 Rating, Add	*6,056.13*	
		For Class 55 Rating, Add	*9,028.63*	
		For Class 56 Rating, Add	*11,961.10*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,257.50	2,703.44
		For Class 52 Rating, Deduct	*-4,527.75*	
		For Class 54 Rating, Add	*6,223.36*	
		For Class 55 Rating, Add	*9,277.29*	
		For Class 56 Rating, Add	*12,290.07*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,391.40	2,707.41
		For Class 52 Rating, Deduct	*-4,651.82*	
		For Class 54 Rating, Add	*6,392.62*	
		For Class 55 Rating, Add	*9,528.96*	
		For Class 56 Rating, Add	*12,623.01*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,511.82	2,711.38
		For Class 52 Rating, Deduct	*-4,774.40*	
		For Class 54 Rating, Add	*6,559.85*	
		For Class 55 Rating, Add	*9,777.62*	
		For Class 56 Rating, Add	*12,951.98*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,641.24	2,715.35
		For Class 52 Rating, Deduct	*-4,897.98*	
		For Class 54 Rating, Add	*6,728.43*	
		For Class 55 Rating, Add	*10,028.28*	
		For Class 56 Rating, Add	*13,283.60*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,763.92	2,719.31
		For Class 52 Rating, Deduct	*-5,020.81*	
		For Class 54 Rating, Add	*6,896.00*	
		For Class 55 Rating, Add	*10,277.44*	
		For Class 56 Rating, Add	*13,613.23*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,659.67	2,723.28
		For Class 52 Rating, Deduct	*-5,118.68*	
		For Class 54 Rating, Add	*7,029.53*	
		For Class 55 Rating, Add	*10,475.99*	
		For Class 56 Rating, Add	*13,875.92*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,016.01	2,727.26
		For Class 52 Rating, Deduct	*-5,267.22*	
		For Class 54 Rating, Add	*7,232.16*	
		For Class 55 Rating, Add	*10,777.26*	
		For Class 56 Rating, Add	*14,274.48*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,136.43	2,731.23
		For Class 52 Rating, Deduct	*-5,389.80*	
		For Class 54 Rating, Add	*7,399.39*	
		For Class 55 Rating, Add	*11,025.92*	
		For Class 56 Rating, Add	*14,603.45*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,268.10	2,735.20
		For Class 52 Rating, Deduct	*-5,513.62*	
		For Class 54 Rating, Add	*7,568.31*	
		For Class 55 Rating, Add	*11,277.08*	
		For Class 56 Rating, Add	*14,935.73*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,388.52	2,739.17
		For Class 52 Rating, Deduct	*-5,636.21*	
		For Class 54 Rating, Add	*7,735.54*	
		For Class 55 Rating, Add	*11,525.74*	
		For Class 56 Rating, Add	*15,264.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,522.43	2,743.13
		For Class 52 Rating, Deduct	*-5,760.28*	
		For Class 54 Rating, Add	*7,904.80*	
		For Class 55 Rating, Add	*11,777.41*	
		For Class 56 Rating, Add	*15,597.65*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,640.61	2,747.10
		For Class 52 Rating, Deduct	*-5,882.62*	
		For Class 54 Rating, Add	*8,071.70*	
		For Class 55 Rating, Add	*12,025.56*	
		For Class 56 Rating, Add	*15,925.95*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,774.52	2,751.08
		For Class 52 Rating, Deduct	*-6,006.69*	
		For Class 54 Rating, Add	*8,240.95*	
		For Class 55 Rating, Add	*12,277.23*	
		For Class 56 Rating, Add	*16,258.90*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,894.95	2,755.05
		For Class 52 Rating, Deduct	*-6,129.27*	
		For Class 54 Rating, Add	*8,408.19*	
		For Class 55 Rating, Add	*12,525.89*	
		For Class 56 Rating, Add	*16,587.86*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,026.62	2,759.02
		For Class 52 Rating, Deduct	*-6,253.09*	
		For Class 54 Rating, Add	*8,577.11*	
		For Class 55 Rating, Add	*12,777.05*	
		For Class 56 Rating, Add	*16,920.15*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,278.80	3,283.03
		For Class 52 Rating, Deduct	*-2,123.50*	
		For Class 54 Rating, Add	*2,955.37*	
		For Class 55 Rating, Add	*4,424.29*	
		For Class 56 Rating, Add	*5,873.90*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,927.22	3,287.00
		For Class 52 Rating, Deduct	*-2,304.16*	
		For Class 54 Rating, Add	*3,201.80*	
		For Class 55 Rating, Add	*4,790.69*	
		For Class 56 Rating, Add	*6,358.63*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,573.39	3,290.97
		For Class 52 Rating, Deduct	*-2,484.58*	
		For Class 54 Rating, Add	*3,447.90*	
		For Class 55 Rating, Add	*5,156.59*	
		For Class 56 Rating, Add	*6,842.70*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,233.06	3,294.94
		For Class 52 Rating, Deduct	*-2,666.48*	
		For Class 54 Rating, Add	*3,696.02*	
		For Class 55 Rating, Add	*5,525.50*	
		For Class 56 Rating, Add	*7,330.74*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,881.48	3,298.91
		For Class 52 Rating, Deduct	*-2,847.15*	
		For Class 54 Rating, Add	*3,942.45*	
		For Class 55 Rating, Add	*5,891.90*	
		For Class 56 Rating, Add	*7,815.47*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,529.92	3,302.88
		For Class 52 Rating, Deduct	*-3,027.81*	
		For Class 54 Rating, Add	*4,188.88*	
		For Class 55 Rating, Add	*6,258.30*	
		For Class 56 Rating, Add	*8,300.19*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,187.32	3,306.84
		For Class 52 Rating, Deduct	*-3,209.46*	
		For Class 54 Rating, Add	*4,436.67*	
		For Class 55 Rating, Add	*6,626.71*	
		For Class 56 Rating, Add	*8,787.57*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,837.99	3,310.82
		For Class 52 Rating, Deduct	*-3,390.38*	
		For Class 54 Rating, Add	*4,683.44*	
		For Class 55 Rating, Add	*6,993.61*	
		For Class 56 Rating, Add	*9,272.96*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,484.18	3,314.79
		For Class 52 Rating, Deduct	*-3,570.79*	
		For Class 54 Rating, Add	*4,929.53*	
		For Class 55 Rating, Add	*7,359.51*	
		For Class 56 Rating, Add	*9,757.03*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,143.83	3,318.76
		For Class 52 Rating, Deduct	*-3,752.70*	
		For Class 54 Rating, Add	*5,177.65*	
		For Class 55 Rating, Add	*7,728.42*	
		For Class 56 Rating, Add	*10,245.07*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,792.25	3,322.73
		For Class 52 Rating, Deduct	*-3,933.36*	
		For Class 54 Rating, Add	*5,424.09*	
		For Class 55 Rating, Add	*8,094.82*	
		For Class 56 Rating, Add	*10,729.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,451.92	3,326.69
		For Class 52 Rating, Deduct	*-4,115.26*	
		For Class 54 Rating, Add	*5,672.21*	
		For Class 55 Rating, Add	*8,463.73*	
		For Class 56 Rating, Add	*11,217.84*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,098.09	3,330.66
		For Class 52 Rating, Deduct	*-4,295.68*	
		For Class 54 Rating, Add	*5,918.30*	
		For Class 55 Rating, Add	*8,829.63*	
		For Class 56 Rating, Add	*11,701.90*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,746.52	3,334.64
		For Class 52 Rating, Deduct	*-4,476.34*	
		For Class 54 Rating, Add	*6,164.74*	
		For Class 55 Rating, Add	*9,196.03*	
		For Class 56 Rating, Add	*12,186.63*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,406.19	3,338.61
		For Class 52 Rating, Deduct	*-4,658.25*	
		For Class 54 Rating, Add	*6,412.86*	
		For Class 55 Rating, Add	*9,564.94*	
		For Class 56 Rating, Add	*12,674.67*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,054.61	3,342.58
		For Class 52 Rating, Deduct	*-4,838.91*	
		For Class 54 Rating, Add	*6,659.29*	
		For Class 55 Rating, Add	*9,931.34*	
		For Class 56 Rating, Add	*13,159.40*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,700.79	3,346.55
		For Class 52 Rating, Deduct	*-5,019.33*	
		For Class 54 Rating, Add	*6,905.39*	
		For Class 55 Rating, Add	*10,297.24*	
		For Class 56 Rating, Add	*13,643.47*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,360.45	3,350.51
		For Class 52 Rating, Deduct	*-5,201.23*	
		For Class 54 Rating, Add	*7,153.50*	
		For Class 55 Rating, Add	*10,666.15*	
		For Class 56 Rating, Add	*14,131.51*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,008.87	3,354.48
		For Class 52 Rating, Deduct	*-5,381.90*	
		For Class 54 Rating, Add	*7,399.94*	
		For Class 55 Rating, Add	*11,032.55*	
		For Class 56 Rating, Add	*14,616.24*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,655.05	3,358.46
		For Class 52 Rating, Deduct	*-5,562.31*	
		For Class 54 Rating, Add	*7,646.03*	
		For Class 55 Rating, Add	*11,398.45*	
		For Class 56 Rating, Add	*15,100.30*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,314.71	3,362.43
		For Class 52 Rating, Deduct	*-5,744.21*	
		For Class 54 Rating, Add	*7,894.15*	
		For Class 55 Rating, Add	*11,767.36*	
		For Class 56 Rating, Add	*15,588.34*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,965.37	3,366.40
		For Class 52 Rating, Deduct	*-5,925.13*	
		For Class 54 Rating, Add	*8,140.92*	
		For Class 55 Rating, Add	*12,134.26*	
		For Class 56 Rating, Add	*16,073.73*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,611.57	3,370.37
		For Class 52 Rating, Deduct	*-6,105.54*	
		For Class 54 Rating, Add	*8,387.02*	
		For Class 55 Rating, Add	*12,500.16*	
		For Class 56 Rating, Add	*16,557.80*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,271.22	3,374.33
		For Class 52 Rating, Deduct	*-6,287.44*	
		For Class 54 Rating, Add	*8,635.14*	
		For Class 55 Rating, Add	*12,869.07*	
		For Class 56 Rating, Add	*17,045.84*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,919.65	3,378.30
		For Class 52 Rating, Deduct	*-6,468.11*	
		For Class 54 Rating, Add	*8,881.57*	
		For Class 55 Rating, Add	*13,235.47*	
		For Class 56 Rating, Add	*17,530.57*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,565.83	3,382.27
		For Class 52 Rating, Deduct	*-6,648.53*	
		For Class 54 Rating, Add	*9,127.67*	
		For Class 55 Rating, Add	*13,601.37*	
		For Class 56 Rating, Add	*18,014.63*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,225.48	3,386.25
		For Class 52 Rating, Deduct	*-6,830.43*	
		For Class 54 Rating, Add	*9,375.79*	
		For Class 55 Rating, Add	*13,970.28*	
		For Class 56 Rating, Add	*18,502.67*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,873.91	3,390.22
		For Class 52 Rating, Deduct	*-7,011.09*	
		For Class 54 Rating, Add	*9,622.22*	
		For Class 55 Rating, Add	*14,336.68*	
		For Class 56 Rating, Add	*18,987.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,320.12	3,394.18
		For Class 52 Rating, Deduct	*-7,169.52*	
		For Class 54 Rating, Add	*9,838.33*	
		For Class 55 Rating, Add	*14,657.99*	
		For Class 56 Rating, Add	*19,412.48*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,181.99	3,398.15
		For Class 52 Rating, Deduct	*-7,373.66*	
		For Class 54 Rating, Add	*10,116.78*	
		For Class 55 Rating, Add	*15,071.99*	
		For Class 56 Rating, Add	*19,960.17*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,828.18	3,402.12
		For Class 52 Rating, Deduct	*-7,554.08*	
		For Class 54 Rating, Add	*10,362.87*	
		For Class 55 Rating, Add	*15,437.89*	
		For Class 56 Rating, Add	*20,444.24*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,490.08	3,406.09
		For Class 52 Rating, Deduct	*-7,736.23*	
		For Class 54 Rating, Add	*10,611.33*	
		For Class 55 Rating, Add	*15,807.30*	
		For Class 56 Rating, Add	*20,932.94*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,136.26	3,410.07
		For Class 52 Rating, Deduct	*-7,916.65*	
		For Class 54 Rating, Add	*10,857.43*	
		For Class 55 Rating, Add	*16,173.20*	
		For Class 56 Rating, Add	*21,417.01*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,782.44	3,414.04
		For Class 52 Rating, Deduct	*-8,097.06*	
		For Class 54 Rating, Add	*11,103.52*	
		For Class 55 Rating, Add	*16,539.10*	
		For Class 56 Rating, Add	*21,901.07*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,444.34	3,418.00
		For Class 52 Rating, Deduct	*-8,279.21*	
		For Class 54 Rating, Add	*11,351.98*	
		For Class 55 Rating, Add	*16,908.51*	
		For Class 56 Rating, Add	*22,389.77*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,090.53	3,421.97
		For Class 52 Rating, Deduct	*-8,459.63*	
		For Class 54 Rating, Add	*11,598.08*	
		For Class 55 Rating, Add	*17,274.41*	
		For Class 56 Rating, Add	*22,873.84*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,738.95	3,425.94
		For Class 52 Rating, Deduct	*-8,640.29*	
		For Class 54 Rating, Add	*11,844.51*	
		For Class 55 Rating, Add	*17,640.81*	
		For Class 56 Rating, Add	*23,358.57*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,398.60	3,429.91
		For Class 52 Rating, Deduct	*-8,822.19*	
		For Class 54 Rating, Add	*12,092.63*	
		For Class 55 Rating, Add	*18,009.72*	
		For Class 56 Rating, Add	*23,846.61*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	657.20	181.66
		For Class 52 Rating, Deduct	*-42.02*	
		For Class 54 Rating, Add	*60.60*	
		For Class 55 Rating, Add	*91.78*	
		For Class 56 Rating, Add	*122.59*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.42	184.83
		For Class 52 Rating, Deduct	*-48.44*	
		For Class 54 Rating, Add	*69.42*	
		For Class 55 Rating, Add	*104.92*	
		For Class 56 Rating, Add	*139.99*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	783.65	188.01
		For Class 52 Rating, Deduct	*-54.87*	
		For Class 54 Rating, Add	*78.24*	
		For Class 55 Rating, Add	*118.07*	
		For Class 56 Rating, Add	*157.40*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	846.89	191.19
		For Class 52 Rating, Deduct	*-61.29*	
		For Class 54 Rating, Add	*87.06*	
		For Class 55 Rating, Add	*131.21*	
		For Class 56 Rating, Add	*174.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	910.11	194.37
		For Class 52 Rating, Deduct	*-67.72*	
		For Class 54 Rating, Add	*95.88*	
		For Class 55 Rating, Add	*144.35*	
		For Class 56 Rating, Add	*192.21*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.34	197.54
		For Class 52 Rating, Deduct	*-74.14*	
		For Class 54 Rating, Add	*104.70*	
		For Class 55 Rating, Add	*157.49*	
		For Class 56 Rating, Add	*209.62*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.57	200.72
		For Class 52 Rating, Deduct	*-80.57*	
		For Class 54 Rating, Add	*113.52*	
		For Class 55 Rating, Add	*170.64*	
		For Class 56 Rating, Add	*227.02*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.80	203.89
		For Class 52 Rating, Deduct	*-87.00*	
		For Class 54 Rating, Add	*122.34*	
		For Class 55 Rating, Add	*183.78*	
		For Class 56 Rating, Add	*244.43*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.02	207.07
		For Class 52 Rating, Deduct	*-93.42*	
		For Class 54 Rating, Add	*131.16*	
		For Class 55 Rating, Add	*196.92*	
		For Class 56 Rating, Add	*261.83*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,226.26	210.24
		For Class 52 Rating, Deduct	*-99.85*	
		For Class 54 Rating, Add	*139.98*	
		For Class 55 Rating, Add	*210.06*	
		For Class 56 Rating, Add	*279.24*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,289.48	213.41
		For Class 52 Rating, Deduct	*-106.27*	
		For Class 54 Rating, Add	*148.80*	
		For Class 55 Rating, Add	*223.21*	
		For Class 56 Rating, Add	*296.65*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,352.71	216.60
		For Class 52 Rating, Deduct	*-112.70*	
		For Class 54 Rating, Add	*157.62*	
		For Class 55 Rating, Add	*236.35*	
		For Class 56 Rating, Add	*314.05*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.94	219.77
		For Class 52 Rating, Deduct	*-119.13*	
		For Class 54 Rating, Add	*166.44*	
		For Class 55 Rating, Add	*249.49*	
		For Class 56 Rating, Add	*331.46*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,479.17	222.95
		For Class 52 Rating, Deduct	*-125.55*	
		For Class 54 Rating, Add	*175.26*	
		For Class 55 Rating, Add	*262.63*	
		For Class 56 Rating, Add	*348.86*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.40	226.12
		For Class 52 Rating, Deduct	*-131.98*	
		For Class 54 Rating, Add	*184.08*	
		For Class 55 Rating, Add	*275.78*	
		For Class 56 Rating, Add	*366.27*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.63	229.30
		For Class 52 Rating, Deduct	*-138.40*	
		For Class 54 Rating, Add	*192.90*	
		For Class 55 Rating, Add	*288.92*	
		For Class 56 Rating, Add	*383.68*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,668.85	232.47
		For Class 52 Rating, Deduct	*-144.83*	
		For Class 54 Rating, Add	*201.72*	
		For Class 55 Rating, Add	*302.06*	
		For Class 56 Rating, Add	*401.08*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,732.09	235.65
		For Class 52 Rating, Deduct	*-151.25*	
		For Class 54 Rating, Add	*210.54*	
		For Class 55 Rating, Add	*315.20*	
		For Class 56 Rating, Add	*418.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.31	238.82
		For Class 52 Rating, Deduct	*-157.68*	
		For Class 54 Rating, Add	*219.36*	
		For Class 55 Rating, Add	*328.35*	
		For Class 56 Rating, Add	*435.90*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,858.55	242.01
		For Class 52 Rating, Deduct	*-164.11*	
		For Class 54 Rating, Add	*228.18*	
		For Class 55 Rating, Add	*341.49*	
		For Class 56 Rating, Add	*453.30*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,921.77	245.18
		For Class 52 Rating, Deduct	*-170.53*	
		For Class 54 Rating, Add	*237.00*	
		For Class 55 Rating, Add	*354.63*	
		For Class 56 Rating, Add	*470.71*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.00	248.36
		For Class 52 Rating, Deduct	*-176.96*	
		For Class 54 Rating, Add	*245.82*	
		For Class 55 Rating, Add	*367.77*	
		For Class 56 Rating, Add	*488.12*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,048.23	251.53
		For Class 52 Rating, Deduct	*-183.38*	
		For Class 54 Rating, Add	*254.64*	
		For Class 55 Rating, Add	*380.92*	
		For Class 56 Rating, Add	*505.52*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.46	254.70
		For Class 52 Rating, Deduct	*-189.81*	
		For Class 54 Rating, Add	*263.46*	
		For Class 55 Rating, Add	*394.06*	
		For Class 56 Rating, Add	*522.93*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,174.68	257.88
		For Class 52 Rating, Deduct	*-196.24*	
		For Class 54 Rating, Add	*272.28*	
		For Class 55 Rating, Add	*407.20*	
		For Class 56 Rating, Add	*540.33*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,237.92	261.05
		For Class 52 Rating, Deduct	*-202.66*	
		For Class 54 Rating, Add	*281.10*	
		For Class 55 Rating, Add	*420.34*	
		For Class 56 Rating, Add	*557.74*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,301.14	264.23
		For Class 52 Rating, Deduct	*-209.09*	
		For Class 54 Rating, Add	*289.92*	
		For Class 55 Rating, Add	*433.48*	
		For Class 56 Rating, Add	*575.15*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,364.38	267.41
		For Class 52 Rating, Deduct	*-215.51*	
		For Class 54 Rating, Add	*298.74*	
		For Class 55 Rating, Add	*446.63*	
		For Class 56 Rating, Add	*592.55*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,427.60	270.59
		For Class 52 Rating, Deduct	*-221.94*	
		For Class 54 Rating, Add	*307.56*	
		For Class 55 Rating, Add	*459.77*	
		For Class 56 Rating, Add	*609.96*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.82	273.76
		For Class 52 Rating, Deduct	*-228.36*	
		For Class 54 Rating, Add	*316.38*	
		For Class 55 Rating, Add	*472.91*	
		For Class 56 Rating, Add	*627.36*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,554.06	276.94
		For Class 52 Rating, Deduct	*-234.79*	
		For Class 54 Rating, Add	*325.20*	
		For Class 55 Rating, Add	*486.05*	
		For Class 56 Rating, Add	*644.77*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,617.28	280.11
		For Class 52 Rating, Deduct	*-241.22*	
		For Class 54 Rating, Add	*334.02*	
		For Class 55 Rating, Add	*499.20*	
		For Class 56 Rating, Add	*662.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,680.51	283.29
		For Class 52 Rating, Deduct	*-247.64*	
		For Class 54 Rating, Add	*342.84*	
		For Class 55 Rating, Add	*512.34*	
		For Class 56 Rating, Add	*679.58*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,743.74	286.46
		For Class 52 Rating, Deduct	*-254.07*	
		For Class 54 Rating, Add	*351.66*	
		For Class 55 Rating, Add	*525.48*	
		For Class 56 Rating, Add	*696.99*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.97	289.64
		For Class 52 Rating, Deduct	*-260.49*	
		For Class 54 Rating, Add	*360.49*	
		For Class 55 Rating, Add	*538.63*	
		For Class 56 Rating, Add	*714.40*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,870.19	292.82
		For Class 52 Rating, Deduct	*-266.92*	
		For Class 54 Rating, Add	*369.30*	
		For Class 55 Rating, Add	*551.77*	
		For Class 56 Rating, Add	*731.80*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,933.43	295.99
		For Class 52 Rating, Deduct	*-273.35*	
		For Class 54 Rating, Add	*378.13*	
		For Class 55 Rating, Add	*564.91*	
		For Class 56 Rating, Add	*749.21*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,996.66	299.17
		For Class 52 Rating, Deduct	*-279.77*	
		For Class 54 Rating, Add	*386.95*	
		For Class 55 Rating, Add	*578.05*	
		For Class 56 Rating, Add	*766.62*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,059.88	302.34
		For Class 52 Rating, Deduct	*-286.20*	
		For Class 54 Rating, Add	*395.77*	
		For Class 55 Rating, Add	*591.19*	
		For Class 56 Rating, Add	*784.02*	
40 05 19 00-0595		6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	820.52	228.66
		For Class 52 Rating, Deduct	*-52.15*	
		For Class 54 Rating, Add	*75.27*	
		For Class 55 Rating, Add	*114.03*	
		For Class 56 Rating, Add	*152.32*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.24	231.84
		For Class 52 Rating, Deduct	*-60.06*	
		For Class 54 Rating, Add	*86.11*	
		For Class 55 Rating, Add	*130.18*	
		For Class 56 Rating, Add	*173.71*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.94	235.01
		For Class 52 Rating, Deduct	*-67.97*	
		For Class 54 Rating, Add	*96.95*	
		For Class 55 Rating, Add	*146.33*	
		For Class 56 Rating, Add	*195.09*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.66	238.18
		For Class 52 Rating, Deduct	*-75.87*	
		For Class 54 Rating, Add	*107.80*	
		For Class 55 Rating, Add	*162.48*	
		For Class 56 Rating, Add	*216.47*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,127.37	241.37
		For Class 52 Rating, Deduct	*-83.78*	
		For Class 54 Rating, Add	*118.64*	
		For Class 55 Rating, Add	*178.63*	
		For Class 56 Rating, Add	*237.86*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,204.08	244.54
		For Class 52 Rating, Deduct	*-91.69*	
		For Class 54 Rating, Add	*129.48*	
		For Class 55 Rating, Add	*194.78*	
		For Class 56 Rating, Add	*259.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.78	247.72
		For Class 52 Rating, Deduct	*-99.60*	
		For Class 54 Rating, Add	*140.32*	
		For Class 55 Rating, Add	*210.93*	
		For Class 56 Rating, Add	*280.62*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.50	250.89
		For Class 52 Rating, Deduct	*-107.51*	
		For Class 54 Rating, Add	*151.17*	
		For Class 55 Rating, Add	*227.07*	
		For Class 56 Rating, Add	*302.01*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,434.21	254.07
		For Class 52 Rating, Deduct	*-115.42*	
		For Class 54 Rating, Add	*162.01*	
		For Class 55 Rating, Add	*243.22*	
		For Class 56 Rating, Add	*328.39*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,510.91	257.24
		For Class 52 Rating, Deduct	*-123.33*	
		For Class 54 Rating, Add	*172.85*	
		For Class 55 Rating, Add	*259.37*	
		For Class 56 Rating, Add	*344.77*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,587.62	260.42
		For Class 52 Rating, Deduct	*-131.24*	
		For Class 54 Rating, Add	*183.69*	
		For Class 55 Rating, Add	*275.52*	
		For Class 56 Rating, Add	*366.15*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,664.34	263.59
		For Class 52 Rating, Deduct	*-139.14*	
		For Class 54 Rating, Add	*194.54*	
		For Class 55 Rating, Add	*291.67*	
		For Class 56 Rating, Add	*387.54*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,741.04	266.78
		For Class 52 Rating, Deduct	*-147.05*	
		For Class 54 Rating, Add	*205.38*	
		For Class 55 Rating, Add	*307.82*	
		For Class 56 Rating, Add	*408.92*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.75	269.95
		For Class 52 Rating, Deduct	*-154.96*	
		For Class 54 Rating, Add	*216.22*	
		For Class 55 Rating, Add	*323.97*	
		For Class 56 Rating, Add	*430.30*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,894.46	273.12
		For Class 52 Rating, Deduct	*-162.87*	
		For Class 54 Rating, Add	*227.06*	
		For Class 55 Rating, Add	*340.11*	
		For Class 56 Rating, Add	*451.69*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.18	276.30
		For Class 52 Rating, Deduct	*-170.78*	
		For Class 54 Rating, Add	*237.90*	
		For Class 55 Rating, Add	*356.26*	
		For Class 56 Rating, Add	*473.07*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,047.88	279.47
		For Class 52 Rating, Deduct	*-178.69*	
		For Class 54 Rating, Add	*248.75*	
		For Class 55 Rating, Add	*372.41*	
		For Class 56 Rating, Add	*494.45*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.59	282.65
		For Class 52 Rating, Deduct	*-186.60*	
		For Class 54 Rating, Add	*259.59*	
		For Class 55 Rating, Add	*388.56*	
		For Class 56 Rating, Add	*515.83*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,201.30	285.82
		For Class 52 Rating, Deduct	*-194.51*	
		For Class 54 Rating, Add	*270.43*	
		For Class 55 Rating, Add	*404.71*	
		For Class 56 Rating, Add	*537.22*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,278.01	289.00
		For Class 52 Rating, Deduct	*-202.41*	
		For Class 54 Rating, Add	*281.27*	
		For Class 55 Rating, Add	*420.86*	
		For Class 56 Rating, Add	*558.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,354.72	292.18
		For Class 52 Rating, Deduct	*-210.32*	
		For Class 54 Rating, Add	*292.12*	
		For Class 55 Rating, Add	*437.01*	
		For Class 56 Rating, Add	*579.99*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.43	295.36
		For Class 52 Rating, Deduct	*-218.23*	
		For Class 54 Rating, Add	*302.96*	
		For Class 55 Rating, Add	*453.15*	
		For Class 56 Rating, Add	*601.37*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,508.13	298.53
		For Class 52 Rating, Deduct	*-226.14*	
		For Class 54 Rating, Add	*313.80*	
		For Class 55 Rating, Add	*469.30*	
		For Class 56 Rating, Add	*622.75*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,584.85	301.71
		For Class 52 Rating, Deduct	*-234.05*	
		For Class 54 Rating, Add	*324.64*	
		For Class 55 Rating, Add	*485.45*	
		For Class 56 Rating, Add	*644.13*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,661.56	304.88
		For Class 52 Rating, Deduct	*-241.96*	
		For Class 54 Rating, Add	*335.49*	
		For Class 55 Rating, Add	*501.60*	
		For Class 56 Rating, Add	*665.52*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,738.26	308.06
		For Class 52 Rating, Deduct	*-249.87*	
		For Class 54 Rating, Add	*346.33*	
		For Class 55 Rating, Add	*517.75*	
		For Class 56 Rating, Add	*686.90*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,814.97	311.23
		For Class 52 Rating, Deduct	*-257.78*	
		For Class 54 Rating, Add	*357.17*	
		For Class 55 Rating, Add	*533.90*	
		For Class 56 Rating, Add	*708.28*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,891.69	314.40
		For Class 52 Rating, Deduct	*-265.68*	
		For Class 54 Rating, Add	*368.01*	
		For Class 55 Rating, Add	*550.05*	
		For Class 56 Rating, Add	*729.67*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.40	317.59
		For Class 52 Rating, Deduct	*-273.59*	
		For Class 54 Rating, Add	*378.86*	
		For Class 55 Rating, Add	*566.20*	
		For Class 56 Rating, Add	*751.05*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.11	320.76
		For Class 52 Rating, Deduct	*-281.50*	
		For Class 54 Rating, Add	*389.70*	
		For Class 55 Rating, Add	*582.35*	
		For Class 56 Rating, Add	*772.43*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,121.81	323.94
		For Class 52 Rating, Deduct	*-289.41*	
		For Class 54 Rating, Add	*400.54*	
		For Class 55 Rating, Add	*598.49*	
		For Class 56 Rating, Add	*793.81*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.53	327.11
		For Class 52 Rating, Deduct	*-297.32*	
		For Class 54 Rating, Add	*411.38*	
		For Class 55 Rating, Add	*614.64*	
		For Class 56 Rating, Add	*815.20*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,275.23	330.29
		For Class 52 Rating, Deduct	*-305.23*	
		For Class 54 Rating, Add	*422.23*	
		For Class 55 Rating, Add	*630.79*	
		For Class 56 Rating, Add	*836.58*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,351.95	333.46
		For Class 52 Rating, Deduct	*-313.14*	
		For Class 54 Rating, Add	*433.07*	
		For Class 55 Rating, Add	*646.94*	
		For Class 56 Rating, Add	*857.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.65	336.64
		For Class 52 Rating, Deduct	*-321.04*	
		For Class 54 Rating, Add	*443.91*	
		For Class 55 Rating, Add	*663.09*	
		For Class 56 Rating, Add	*879.35*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,505.36	339.81
		For Class 52 Rating, Deduct	*-328.95*	
		For Class 54 Rating, Add	*454.75*	
		For Class 55 Rating, Add	*679.24*	
		For Class 56 Rating, Add	*900.73*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,582.07	343.00
		For Class 52 Rating, Deduct	*-336.86*	
		For Class 54 Rating, Add	*465.59*	
		For Class 55 Rating, Add	*695.39*	
		For Class 56 Rating, Add	*922.11*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,658.79	346.17
		For Class 52 Rating, Deduct	*-344.77*	
		For Class 54 Rating, Add	*476.44*	
		For Class 55 Rating, Add	*711.53*	
		For Class 56 Rating, Add	*943.50*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,735.49	349.35
		For Class 52 Rating, Deduct	*-352.68*	
		For Class 54 Rating, Add	*487.28*	
		For Class 55 Rating, Add	*727.68*	
		For Class 56 Rating, Add	*964.88*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,134.70	292.18
		For Class 52 Rating, Deduct	*-76.12*	
		For Class 54 Rating, Add	*109.11*	
		For Class 55 Rating, Add	*164.94*	
		For Class 56 Rating, Add	*220.08*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.38	295.36
		For Class 52 Rating, Deduct	*-87.00*	
		For Class 54 Rating, Add	*124.00*	
		For Class 55 Rating, Add	*187.10*	
		For Class 56 Rating, Add	*249.42*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,342.04	298.53
		For Class 52 Rating, Deduct	*-97.87*	
		For Class 54 Rating, Add	*138.89*	
		For Class 55 Rating, Add	*209.27*	
		For Class 56 Rating, Add	*278.75*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,445.72	301.71
		For Class 52 Rating, Deduct	*-108.74*	
		For Class 54 Rating, Add	*153.77*	
		For Class 55 Rating, Add	*231.43*	
		For Class 56 Rating, Add	*308.09*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,549.39	304.88
		For Class 52 Rating, Deduct	*-119.62*	
		For Class 54 Rating, Add	*168.66*	
		For Class 55 Rating, Add	*253.59*	
		For Class 56 Rating, Add	*337.43*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.06	308.06
		For Class 52 Rating, Deduct	*-130.49*	
		For Class 54 Rating, Add	*183.55*	
		For Class 55 Rating, Add	*275.75*	
		For Class 56 Rating, Add	*366.76*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.73	311.23
		For Class 52 Rating, Deduct	*-141.37*	
		For Class 54 Rating, Add	*198.43*	
		For Class 55 Rating, Add	*297.91*	
		For Class 56 Rating, Add	*396.10*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.41	314.40
		For Class 52 Rating, Deduct	*-152.24*	
		For Class 54 Rating, Add	*213.32*	
		For Class 55 Rating, Add	*320.07*	
		For Class 56 Rating, Add	*425.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.08	317.59
		For Class 52 Rating, Deduct	*-163.12*	
		For Class 54 Rating, Add	*228.21*	
		For Class 55 Rating, Add	*342.23*	
		For Class 56 Rating, Add	*454.78*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,067.75	320.76
		For Class 52 Rating, Deduct	*-173.99*	
		For Class 54 Rating, Add	*243.09*	
		For Class 55 Rating, Add	*364.39*	
		For Class 56 Rating, Add	*484.11*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,171.42	323.94
		For Class 52 Rating, Deduct	*-184.87*	
		For Class 54 Rating, Add	*257.98*	
		For Class 55 Rating, Add	*386.56*	
		For Class 56 Rating, Add	*513.45*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,275.10	327.11
		For Class 52 Rating, Deduct	*-195.74*	
		For Class 54 Rating, Add	*272.87*	
		For Class 55 Rating, Add	*408.72*	
		For Class 56 Rating, Add	*542.79*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.75	330.29
		For Class 52 Rating, Deduct	*-206.62*	
		For Class 54 Rating, Add	*287.75*	
		For Class 55 Rating, Add	*430.88*	
		For Class 56 Rating, Add	*572.12*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,482.43	333.46
		For Class 52 Rating, Deduct	*-217.49*	
		For Class 54 Rating, Add	*302.64*	
		For Class 55 Rating, Add	*453.04*	
		For Class 56 Rating, Add	*601.46*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,586.10	336.64
		For Class 52 Rating, Deduct	*-228.36*	
		For Class 54 Rating, Add	*317.53*	
		For Class 55 Rating, Add	*475.20*	
		For Class 56 Rating, Add	*630.79*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,689.77	339.81
		For Class 52 Rating, Deduct	*-239.24*	
		For Class 54 Rating, Add	*332.41*	
		For Class 55 Rating, Add	*497.36*	
		For Class 56 Rating, Add	*660.13*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,793.44	343.00
		For Class 52 Rating, Deduct	*-250.11*	
		For Class 54 Rating, Add	*347.30*	
		For Class 55 Rating, Add	*519.52*	
		For Class 56 Rating, Add	*689.47*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.12	346.17
		For Class 52 Rating, Deduct	*-260.99*	
		For Class 54 Rating, Add	*362.19*	
		For Class 55 Rating, Add	*541.68*	
		For Class 56 Rating, Add	*718.80*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,000.79	349.35
		For Class 52 Rating, Deduct	*-271.86*	
		For Class 54 Rating, Add	*377.07*	
		For Class 55 Rating, Add	*563.84*	
		For Class 56 Rating, Add	*748.14*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.46	352.52
		For Class 52 Rating, Deduct	*-282.74*	
		For Class 54 Rating, Add	*391.96*	
		For Class 55 Rating, Add	*586.00*	
		For Class 56 Rating, Add	*777.48*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,208.13	355.69
		For Class 52 Rating, Deduct	*-293.61*	
		For Class 54 Rating, Add	*406.85*	
		For Class 55 Rating, Add	*608.17*	
		For Class 56 Rating, Add	*806.82*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,311.81	358.87
		For Class 52 Rating, Deduct	*-304.49*	
		For Class 54 Rating, Add	*421.73*	
		For Class 55 Rating, Add	*630.33*	
		For Class 56 Rating, Add	*836.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,415.47	362.04
		For Class 52 Rating, Deduct	*-315.36*	
		For Class 54 Rating, Add	*436.62*	
		For Class 55 Rating, Add	*652.49*	
		For Class 56 Rating, Add	*865.49*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,519.15	365.22
		For Class 52 Rating, Deduct	*-326.24*	
		For Class 54 Rating, Add	*451.51*	
		For Class 55 Rating, Add	*674.65*	
		For Class 56 Rating, Add	*894.83*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,622.82	368.40
		For Class 52 Rating, Deduct	*-337.11*	
		For Class 54 Rating, Add	*466.39*	
		For Class 55 Rating, Add	*696.81*	
		For Class 56 Rating, Add	*924.16*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,726.48	371.58
		For Class 52 Rating, Deduct	*-347.98*	
		For Class 54 Rating, Add	*481.28*	
		For Class 55 Rating, Add	*718.97*	
		For Class 56 Rating, Add	*953.50*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,830.15	374.75
		For Class 52 Rating, Deduct	*-358.86*	
		For Class 54 Rating, Add	*496.17*	
		For Class 55 Rating, Add	*741.13*	
		For Class 56 Rating, Add	*982.83*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,933.83	377.93
		For Class 52 Rating, Deduct	*-369.73*	
		For Class 54 Rating, Add	*511.05*	
		For Class 55 Rating, Add	*763.29*	
		For Class 56 Rating, Add	*1,012.17*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.49	381.10
		For Class 52 Rating, Deduct	*-380.61*	
		For Class 54 Rating, Add	*525.94*	
		For Class 55 Rating, Add	*785.45*	
		For Class 56 Rating, Add	*1,041.51*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,141.17	384.28
		For Class 52 Rating, Deduct	*-391.48*	
		For Class 54 Rating, Add	*540.83*	
		For Class 55 Rating, Add	*807.62*	
		For Class 56 Rating, Add	*1,070.84*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,244.84	387.45
		For Class 52 Rating, Deduct	*-402.36*	
		For Class 54 Rating, Add	*555.71*	
		For Class 55 Rating, Add	*829.78*	
		For Class 56 Rating, Add	*1,100.18*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,348.52	390.62
		For Class 52 Rating, Deduct	*-413.23*	
		For Class 54 Rating, Add	*570.60*	
		For Class 55 Rating, Add	*851.94*	
		For Class 56 Rating, Add	*1,129.52*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,452.18	393.81
		For Class 52 Rating, Deduct	*-424.11*	
		For Class 54 Rating, Add	*585.49*	
		For Class 55 Rating, Add	*874.10*	
		For Class 56 Rating, Add	*1,158.86*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,555.86	396.98
		For Class 52 Rating, Deduct	*-434.98*	
		For Class 54 Rating, Add	*600.37*	
		For Class 55 Rating, Add	*896.26*	
		For Class 56 Rating, Add	*1,188.19*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,659.53	400.16
		For Class 52 Rating, Deduct	*-445.86*	
		For Class 54 Rating, Add	*615.26*	
		For Class 55 Rating, Add	*918.42*	
		For Class 56 Rating, Add	*1,217.53*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,763.20	403.33
		For Class 52 Rating, Deduct	*-456.73*	
		For Class 54 Rating, Add	*630.15*	
		For Class 55 Rating, Add	*940.58*	
		For Class 56 Rating, Add	*1,246.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,866.87	406.51
		For Class 52 Rating, Deduct	*-467.60*	
		For Class 54 Rating, Add	*645.03*	
		For Class 55 Rating, Add	*962.74*	
		For Class 56 Rating, Add	*1,276.20*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,970.54	409.68
		For Class 52 Rating, Deduct	*-478.48*	
		For Class 54 Rating, Add	*659.92*	
		For Class 55 Rating, Add	*984.90*	
		For Class 56 Rating, Add	*1,305.54*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,074.20	412.86
		For Class 52 Rating, Deduct	*-489.35*	
		For Class 54 Rating, Add	*674.81*	
		For Class 55 Rating, Add	*1,007.06*	
		For Class 56 Rating, Add	*1,334.87*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.17	355.69
		For Class 52 Rating, Deduct	*-97.38*	
		For Class 54 Rating, Add	*139.25*	
		For Class 55 Rating, Add	*210.34*	
		For Class 56 Rating, Add	*280.55*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.30	358.87
		For Class 52 Rating, Deduct	*-111.71*	
		For Class 54 Rating, Add	*158.86*	
		For Class 55 Rating, Add	*239.52*	
		For Class 56 Rating, Add	*319.16*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.42	362.04
		For Class 52 Rating, Deduct	*-126.05*	
		For Class 54 Rating, Add	*178.46*	
		For Class 55 Rating, Add	*268.69*	
		For Class 56 Rating, Add	*357.78*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.55	365.22
		For Class 52 Rating, Deduct	*-140.38*	
		For Class 54 Rating, Add	*198.07*	
		For Class 55 Rating, Add	*297.87*	
		For Class 56 Rating, Add	*396.39*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.68	368.40
		For Class 52 Rating, Deduct	*-154.72*	
		For Class 54 Rating, Add	*217.67*	
		For Class 55 Rating, Add	*327.05*	
		For Class 56 Rating, Add	*435.01*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,099.80	371.58
		For Class 52 Rating, Deduct	*-169.05*	
		For Class 54 Rating, Add	*237.28*	
		For Class 55 Rating, Add	*356.22*	
		For Class 56 Rating, Add	*473.63*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,234.93	374.75
		For Class 52 Rating, Deduct	*-183.38*	
		For Class 54 Rating, Add	*256.88*	
		For Class 55 Rating, Add	*385.40*	
		For Class 56 Rating, Add	*512.24*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,370.06	377.93
		For Class 52 Rating, Deduct	*-197.72*	
		For Class 54 Rating, Add	*276.49*	
		For Class 55 Rating, Add	*414.57*	
		For Class 56 Rating, Add	*550.86*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.17	381.10
		For Class 52 Rating, Deduct	*-212.05*	
		For Class 54 Rating, Add	*296.09*	
		For Class 55 Rating, Add	*443.75*	
		For Class 56 Rating, Add	*589.47*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.31	384.28
		For Class 52 Rating, Deduct	*-226.39*	
		For Class 54 Rating, Add	*315.70*	
		For Class 55 Rating, Add	*472.92*	
		For Class 56 Rating, Add	*628.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,775.43	387.45
		For Class 52 Rating, Deduct	*-240.72*	
		For Class 54 Rating, Add	*335.30*	
		For Class 55 Rating, Add	*502.10*	
		For Class 56 Rating, Add	*666.71*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,910.57	390.62
		For Class 52 Rating, Deduct	*-255.06*	
		For Class 54 Rating, Add	*354.91*	
		For Class 55 Rating, Add	*531.27*	
		For Class 56 Rating, Add	*705.32*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.68	393.81
		For Class 52 Rating, Deduct	*-269.39*	
		For Class 54 Rating, Add	*374.51*	
		For Class 55 Rating, Add	*560.45*	
		For Class 56 Rating, Add	*748.94*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.82	396.98
		For Class 52 Rating, Deduct	*-283.73*	
		For Class 54 Rating, Add	*394.12*	
		For Class 55 Rating, Add	*589.63*	
		For Class 56 Rating, Add	*782.56*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.94	400.16
		For Class 52 Rating, Deduct	*-298.06*	
		For Class 54 Rating, Add	*413.72*	
		For Class 55 Rating, Add	*618.80*	
		For Class 56 Rating, Add	*821.17*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,451.07	403.33
		For Class 52 Rating, Deduct	*-312.40*	
		For Class 54 Rating, Add	*433.33*	
		For Class 55 Rating, Add	*647.98*	
		For Class 56 Rating, Add	*859.79*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,586.19	406.51
		For Class 52 Rating, Deduct	*-326.73*	
		For Class 54 Rating, Add	*452.93*	
		For Class 55 Rating, Add	*677.15*	
		For Class 56 Rating, Add	*898.40*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,721.32	409.68
		For Class 52 Rating, Deduct	*-341.06*	
		For Class 54 Rating, Add	*472.54*	
		For Class 55 Rating, Add	*706.33*	
		For Class 56 Rating, Add	*937.02*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,856.44	412.86
		For Class 52 Rating, Deduct	*-355.40*	
		For Class 54 Rating, Add	*492.14*	
		For Class 55 Rating, Add	*735.50*	
		For Class 56 Rating, Add	*975.63*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,991.57	416.03
		For Class 52 Rating, Deduct	*-369.73*	
		For Class 54 Rating, Add	*511.75*	
		For Class 55 Rating, Add	*764.68*	
		For Class 56 Rating, Add	*1,014.25*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,126.70	419.22
		For Class 52 Rating, Deduct	*-384.07*	
		For Class 54 Rating, Add	*531.35*	
		For Class 55 Rating, Add	*793.86*	
		For Class 56 Rating, Add	*1,052.87*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,261.83	422.39
		For Class 52 Rating, Deduct	*-398.40*	
		For Class 54 Rating, Add	*550.96*	
		For Class 55 Rating, Add	*823.03*	
		For Class 56 Rating, Add	*1,091.48*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,396.95	425.57
		For Class 52 Rating, Deduct	*-412.74*	
		For Class 54 Rating, Add	*570.56*	
		For Class 55 Rating, Add	*852.21*	
		For Class 56 Rating, Add	*1,130.10*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,532.08	428.74
		For Class 52 Rating, Deduct	*-427.07*	
		For Class 54 Rating, Add	*590.17*	
		For Class 55 Rating, Add	*881.38*	
		For Class 56 Rating, Add	*1,168.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,667.20	431.91
		For Class 52 Rating, Deduct	*-441.41*	
		For Class 54 Rating, Add	*609.77*	
		For Class 55 Rating, Add	*910.56*	
		For Class 56 Rating, Add	*1,207.33*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,802.33	435.09
		For Class 52 Rating, Deduct	*-455.74*	
		For Class 54 Rating, Add	*629.38*	
		For Class 55 Rating, Add	*939.73*	
		For Class 56 Rating, Add	*1,245.95*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,937.45	438.26
		For Class 52 Rating, Deduct	*-470.08*	
		For Class 54 Rating, Add	*648.98*	
		For Class 55 Rating, Add	*968.91*	
		For Class 56 Rating, Add	*1,284.56*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,072.59	441.44
		For Class 52 Rating, Deduct	*-484.41*	
		For Class 54 Rating, Add	*668.59*	
		For Class 55 Rating, Add	*998.08*	
		For Class 56 Rating, Add	*1,323.18*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,207.70	444.62
		For Class 52 Rating, Deduct	*-498.74*	
		For Class 54 Rating, Add	*688.19*	
		For Class 55 Rating, Add	*1,027.26*	
		For Class 56 Rating, Add	*1,361.79*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,342.84	447.80
		For Class 52 Rating, Deduct	*-513.08*	
		For Class 54 Rating, Add	*707.80*	
		For Class 55 Rating, Add	*1,056.44*	
		For Class 56 Rating, Add	*1,400.41*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,477.96	450.97
		For Class 52 Rating, Deduct	*-527.41*	
		For Class 54 Rating, Add	*727.40*	
		For Class 55 Rating, Add	*1,085.61*	
		For Class 56 Rating, Add	*1,439.03*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.08	454.15
		For Class 52 Rating, Deduct	*-541.75*	
		For Class 54 Rating, Add	*747.01*	
		For Class 55 Rating, Add	*1,114.79*	
		For Class 56 Rating, Add	*1,477.64*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,748.21	457.32
		For Class 52 Rating, Deduct	*-556.08*	
		For Class 54 Rating, Add	*766.61*	
		For Class 55 Rating, Add	*1,143.96*	
		For Class 56 Rating, Add	*1,516.26*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,883.33	460.50
		For Class 52 Rating, Deduct	*-570.42*	
		For Class 54 Rating, Add	*786.21*	
		For Class 55 Rating, Add	*1,173.14*	
		For Class 56 Rating, Add	*1,554.87*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,018.47	463.67
		For Class 52 Rating, Deduct	*-584.75*	
		For Class 54 Rating, Add	*805.82*	
		For Class 55 Rating, Add	*1,202.31*	
		For Class 56 Rating, Add	*1,593.49*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,153.58	466.84
		For Class 52 Rating, Deduct	*-599.09*	
		For Class 54 Rating, Add	*825.42*	
		For Class 55 Rating, Add	*1,231.49*	
		For Class 56 Rating, Add	*1,632.11*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,288.72	470.03
		For Class 52 Rating, Deduct	*-613.42*	
		For Class 54 Rating, Add	*845.03*	
		For Class 55 Rating, Add	*1,260.66*	
		For Class 56 Rating, Add	*1,670.72*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,423.84	473.20
		For Class 52 Rating, Deduct	*-627.76*	
		For Class 54 Rating, Add	*864.63*	
		For Class 55 Rating, Add	*1,289.84*	
		For Class 56 Rating, Add	*1,709.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,558.97	476.38
		For Class 52 Rating, Deduct	*-642.09*	
		For Class 54 Rating, Add	*884.24*	
		For Class 55 Rating, Add	*1,319.02*	
		For Class 56 Rating, Add	*1,747.96*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,846.49	444.62
		For Class 52 Rating, Deduct	*-129.01*	
		For Class 54 Rating, Add	*184.01*	
		For Class 55 Rating, Add	*277.71*	
		For Class 56 Rating, Add	*370.24*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.33	447.80
		For Class 52 Rating, Deduct	*-147.05*	
		For Class 54 Rating, Add	*208.67*	
		For Class 55 Rating, Add	*314.40*	
		For Class 56 Rating, Add	*418.80*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,184.15	450.97
		For Class 52 Rating, Deduct	*-165.09*	
		For Class 54 Rating, Add	*233.33*	
		For Class 55 Rating, Add	*351.09*	
		For Class 56 Rating, Add	*467.35*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,352.97	454.15
		For Class 52 Rating, Deduct	*-183.14*	
		For Class 54 Rating, Add	*257.99*	
		For Class 55 Rating, Add	*387.78*	
		For Class 56 Rating, Add	*515.91*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,521.81	457.32
		For Class 52 Rating, Deduct	*-201.18*	
		For Class 54 Rating, Add	*282.65*	
		For Class 55 Rating, Add	*424.47*	
		For Class 56 Rating, Add	*564.47*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,690.63	460.50
		For Class 52 Rating, Deduct	*-219.22*	
		For Class 54 Rating, Add	*307.31*	
		For Class 55 Rating, Add	*461.16*	
		For Class 56 Rating, Add	*613.03*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.47	463.67
		For Class 52 Rating, Deduct	*-237.26*	
		For Class 54 Rating, Add	*331.97*	
		For Class 55 Rating, Add	*497.86*	
		For Class 56 Rating, Add	*661.59*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,028.28	466.84
		For Class 52 Rating, Deduct	*-255.30*	
		For Class 54 Rating, Add	*356.63*	
		For Class 55 Rating, Add	*534.55*	
		For Class 56 Rating, Add	*710.14*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,197.12	470.03
		For Class 52 Rating, Deduct	*-273.35*	
		For Class 54 Rating, Add	*381.29*	
		For Class 55 Rating, Add	*571.24*	
		For Class 56 Rating, Add	*758.70*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,365.95	473.20
		For Class 52 Rating, Deduct	*-291.39*	
		For Class 54 Rating, Add	*405.95*	
		For Class 55 Rating, Add	*607.93*	
		For Class 56 Rating, Add	*807.26*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,534.77	476.38
		For Class 52 Rating, Deduct	*-309.43*	
		For Class 54 Rating, Add	*430.61*	
		For Class 55 Rating, Add	*644.62*	
		For Class 56 Rating, Add	*855.82*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.60	479.55
		For Class 52 Rating, Deduct	*-327.47*	
		For Class 54 Rating, Add	*455.27*	
		For Class 55 Rating, Add	*681.31*	
		For Class 56 Rating, Add	*904.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,872.44	482.73
		For Class 52 Rating, Deduct	*-345.51*	
		For Class 54 Rating, Add	*479.93*	
		For Class 55 Rating, Add	*718.00*	
		For Class 56 Rating, Add	*952.93*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,041.25	485.90
		For Class 52 Rating, Deduct	*-363.55*	
		For Class 54 Rating, Add	*504.59*	
		For Class 55 Rating, Add	*754.69*	
		For Class 56 Rating, Add	*1,001.49*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,210.09	489.08
		For Class 52 Rating, Deduct	*-381.60*	
		For Class 54 Rating, Add	*529.25*	
		For Class 55 Rating, Add	*791.39*	
		For Class 56 Rating, Add	*1,050.05*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.92	492.25
		For Class 52 Rating, Deduct	*-399.64*	
		For Class 54 Rating, Add	*553.91*	
		For Class 55 Rating, Add	*828.08*	
		For Class 56 Rating, Add	*1,098.61*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,547.75	495.44
		For Class 52 Rating, Deduct	*-417.68*	
		For Class 54 Rating, Add	*578.57*	
		For Class 55 Rating, Add	*864.77*	
		For Class 56 Rating, Add	*1,147.17*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,716.57	498.61
		For Class 52 Rating, Deduct	*-435.72*	
		For Class 54 Rating, Add	*603.23*	
		For Class 55 Rating, Add	*901.46*	
		For Class 56 Rating, Add	*1,195.72*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,885.40	501.79
		For Class 52 Rating, Deduct	*-453.76*	
		For Class 54 Rating, Add	*627.89*	
		For Class 55 Rating, Add	*938.15*	
		For Class 56 Rating, Add	*1,244.28*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,054.23	504.96
		For Class 52 Rating, Deduct	*-471.81*	
		For Class 54 Rating, Add	*652.55*	
		For Class 55 Rating, Add	*974.84*	
		For Class 56 Rating, Add	*1,292.84*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,223.06	508.13
		For Class 52 Rating, Deduct	*-489.85*	
		For Class 54 Rating, Add	*677.21*	
		For Class 55 Rating, Add	*1,011.53*	
		For Class 56 Rating, Add	*1,341.40*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,391.88	511.31
		For Class 52 Rating, Deduct	*-507.89*	
		For Class 54 Rating, Add	*701.87*	
		For Class 55 Rating, Add	*1,048.22*	
		For Class 56 Rating, Add	*1,389.95*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,560.72	514.48
		For Class 52 Rating, Deduct	*-525.93*	
		For Class 54 Rating, Add	*726.53*	
		For Class 55 Rating, Add	*1,084.91*	
		For Class 56 Rating, Add	*1,438.51*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,729.54	517.66
		For Class 52 Rating, Deduct	*-543.97*	
		For Class 54 Rating, Add	*751.19*	
		For Class 55 Rating, Add	*1,121.61*	
		For Class 56 Rating, Add	*1,487.07*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,898.37	520.84
		For Class 52 Rating, Deduct	*-562.01*	
		For Class 54 Rating, Add	*775.85*	
		For Class 55 Rating, Add	*1,158.30*	
		For Class 56 Rating, Add	*1,535.63*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,067.20	524.02
		For Class 52 Rating, Deduct	*-580.06*	
		For Class 54 Rating, Add	*800.51*	
		For Class 55 Rating, Add	*1,194.99*	
		For Class 56 Rating, Add	*1,584.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,236.03	527.19
		For Class 52 Rating, Deduct	*-598.10*	
		For Class 54 Rating, Add	*825.17*	
		For Class 55 Rating, Add	*1,231.68*	
		For Class 56 Rating, Add	*1,632.75*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,404.85	530.37
		For Class 52 Rating, Deduct	*-616.14*	
		For Class 54 Rating, Add	*849.83*	
		For Class 55 Rating, Add	*1,268.37*	
		For Class 56 Rating, Add	*1,681.30*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,573.69	533.54
		For Class 52 Rating, Deduct	*-634.18*	
		For Class 54 Rating, Add	*874.49*	
		For Class 55 Rating, Add	*1,305.06*	
		For Class 56 Rating, Add	*1,729.86*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,742.52	536.72
		For Class 52 Rating, Deduct	*-652.22*	
		For Class 54 Rating, Add	*899.16*	
		For Class 55 Rating, Add	*1,341.75*	
		For Class 56 Rating, Add	*1,778.42*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,911.34	539.89
		For Class 52 Rating, Deduct	*-670.27*	
		For Class 54 Rating, Add	*923.81*	
		For Class 55 Rating, Add	*1,378.44*	
		For Class 56 Rating, Add	*1,826.98*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,080.17	543.07
		For Class 52 Rating, Deduct	*-688.31*	
		For Class 54 Rating, Add	*948.47*	
		For Class 55 Rating, Add	*1,415.13*	
		For Class 56 Rating, Add	*1,875.54*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,249.00	546.25
		For Class 52 Rating, Deduct	*-706.35*	
		For Class 54 Rating, Add	*973.13*	
		For Class 55 Rating, Add	*1,451.82*	
		For Class 56 Rating, Add	*1,924.09*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,417.82	549.42
		For Class 52 Rating, Deduct	*-724.39*	
		For Class 54 Rating, Add	*997.79*	
		For Class 55 Rating, Add	*1,488.52*	
		For Class 56 Rating, Add	*1,972.65*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,586.66	552.60
		For Class 52 Rating, Deduct	*-742.43*	
		For Class 54 Rating, Add	*1,022.46*	
		For Class 55 Rating, Add	*1,525.21*	
		For Class 56 Rating, Add	*2,021.21*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,755.48	555.77
		For Class 52 Rating, Deduct	*-760.47*	
		For Class 54 Rating, Add	*1,047.11*	
		For Class 55 Rating, Add	*1,561.90*	
		For Class 56 Rating, Add	*2,069.77*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,924.31	558.95
		For Class 52 Rating, Deduct	*-778.52*	
		For Class 54 Rating, Add	*1,071.78*	
		For Class 55 Rating, Add	*1,598.59*	
		For Class 56 Rating, Add	*2,118.33*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,093.14	562.12
		For Class 52 Rating, Deduct	*-796.56*	
		For Class 54 Rating, Add	*1,096.44*	
		For Class 55 Rating, Add	*1,635.28*	
		For Class 56 Rating, Add	*2,166.89*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,261.97	565.30
		For Class 52 Rating, Deduct	*-814.60*	
		For Class 54 Rating, Add	*1,121.10*	
		For Class 55 Rating, Add	*1,671.97*	
		For Class 56 Rating, Add	*2,215.44*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,560.90	533.54
		For Class 52 Rating, Deduct	*-192.78*	
		For Class 54 Rating, Add	*272.58*	
		For Class 55 Rating, Add	*410.21*	
		For Class 56 Rating, Add	*546.09*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,765.68	536.72
		For Class 52 Rating, Deduct	*-214.77*	
		For Class 54 Rating, Add	*302.63*	
		For Class 55 Rating, Add	*454.92*	
		For Class 56 Rating, Add	*605.25*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.45	539.89
		For Class 52 Rating, Deduct	*-236.77*	
		For Class 54 Rating, Add	*332.68*	
		For Class 55 Rating, Add	*499.62*	
		For Class 56 Rating, Add	*664.42*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,175.23	543.07
		For Class 52 Rating, Deduct	*-258.76*	
		For Class 54 Rating, Add	*362.73*	
		For Class 55 Rating, Add	*544.33*	
		For Class 56 Rating, Add	*723.58*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,380.01	546.25
		For Class 52 Rating, Deduct	*-280.76*	
		For Class 54 Rating, Add	*392.79*	
		For Class 55 Rating, Add	*589.04*	
		For Class 56 Rating, Add	*782.74*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,584.78	549.42
		For Class 52 Rating, Deduct	*-302.76*	
		For Class 54 Rating, Add	*422.84*	
		For Class 55 Rating, Add	*633.75*	
		For Class 56 Rating, Add	*841.91*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.57	552.60
		For Class 52 Rating, Deduct	*-324.75*	
		For Class 54 Rating, Add	*452.89*	
		For Class 55 Rating, Add	*678.46*	
		For Class 56 Rating, Add	*901.07*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.34	555.77
		For Class 52 Rating, Deduct	*-346.75*	
		For Class 54 Rating, Add	*482.94*	
		For Class 55 Rating, Add	*723.16*	
		For Class 56 Rating, Add	*960.23*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,199.12	558.95
		For Class 52 Rating, Deduct	*-368.75*	
		For Class 54 Rating, Add	*513.00*	
		For Class 55 Rating, Add	*767.87*	
		For Class 56 Rating, Add	*1,019.40*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,403.89	562.12
		For Class 52 Rating, Deduct	*-390.74*	
		For Class 54 Rating, Add	*543.05*	
		For Class 55 Rating, Add	*812.58*	
		For Class 56 Rating, Add	*1,078.56*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,608.68	565.30
		For Class 52 Rating, Deduct	*-412.74*	
		For Class 54 Rating, Add	*573.10*	
		For Class 55 Rating, Add	*857.29*	
		For Class 56 Rating, Add	*1,137.72*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,813.45	568.47
		For Class 52 Rating, Deduct	*-434.73*	
		For Class 54 Rating, Add	*603.15*	
		For Class 55 Rating, Add	*901.99*	
		For Class 56 Rating, Add	*1,196.88*	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,018.23	571.66
		For Class 52 Rating, Deduct	*-456.73*	
		For Class 54 Rating, Add	*633.21*	
		For Class 55 Rating, Add	*946.70*	
		For Class 56 Rating, Add	*1,256.05*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,223.00	574.83
		For Class 52 Rating, Deduct	*-478.73*	
		For Class 54 Rating, Add	*663.26*	
		For Class 55 Rating, Add	*991.41*	
		For Class 56 Rating, Add	*1,315.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,427.79	578.01
		For Class 52 Rating, Deduct	*-500.72*	
		For Class 54 Rating, Add	*693.31*	
		For Class 55 Rating, Add	*1,036.12*	
		For Class 56 Rating, Add	*1,374.37*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,632.55	581.18
		For Class 52 Rating, Deduct	*-522.72*	
		For Class 54 Rating, Add	*723.36*	
		For Class 55 Rating, Add	*1,080.83*	
		For Class 56 Rating, Add	*1,433.53*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,837.34	584.35
		For Class 52 Rating, Deduct	*-544.71*	
		For Class 54 Rating, Add	*753.42*	
		For Class 55 Rating, Add	*1,125.53*	
		For Class 56 Rating, Add	*1,492.70*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,042.11	587.53
		For Class 52 Rating, Deduct	*-566.71*	
		For Class 54 Rating, Add	*783.47*	
		For Class 55 Rating, Add	*1,170.24*	
		For Class 56 Rating, Add	*1,551.86*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,246.89	590.70
		For Class 52 Rating, Deduct	*-588.71*	
		For Class 54 Rating, Add	*813.52*	
		For Class 55 Rating, Add	*1,214.95*	
		For Class 56 Rating, Add	*1,611.02*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,451.66	593.88
		For Class 52 Rating, Deduct	*-610.70*	
		For Class 54 Rating, Add	*843.57*	
		For Class 55 Rating, Add	*1,259.66*	
		For Class 56 Rating, Add	*1,670.19*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,656.45	597.06
		For Class 52 Rating, Deduct	*-632.70*	
		For Class 54 Rating, Add	*873.63*	
		For Class 55 Rating, Add	*1,304.36*	
		For Class 56 Rating, Add	*1,729.35*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,861.21	600.24
		For Class 52 Rating, Deduct	*-654.69*	
		For Class 54 Rating, Add	*903.68*	
		For Class 55 Rating, Add	*1,349.07*	
		For Class 56 Rating, Add	*1,788.51*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,066.00	603.41
		For Class 52 Rating, Deduct	*-676.69*	
		For Class 54 Rating, Add	*933.73*	
		For Class 55 Rating, Add	*1,393.78*	
		For Class 56 Rating, Add	*1,847.68*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,270.77	606.59
		For Class 52 Rating, Deduct	*-698.69*	
		For Class 54 Rating, Add	*963.78*	
		For Class 55 Rating, Add	*1,438.49*	
		For Class 56 Rating, Add	*1,906.84*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,475.56	609.76
		For Class 52 Rating, Deduct	*-720.68*	
		For Class 54 Rating, Add	*993.84*	
		For Class 55 Rating, Add	*1,483.20*	
		For Class 56 Rating, Add	*1,966.00*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,680.32	612.94
		For Class 52 Rating, Deduct	*-742.68*	
		For Class 54 Rating, Add	*1,023.89*	
		For Class 55 Rating, Add	*1,527.90*	
		For Class 56 Rating, Add	*2,025.16*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,885.11	616.11
		For Class 52 Rating, Deduct	*-764.68*	
		For Class 54 Rating, Add	*1,053.94*	
		For Class 55 Rating, Add	*1,572.61*	
		For Class 56 Rating, Add	*2,084.33*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,089.88	619.29
		For Class 52 Rating, Deduct	*-786.67*	
		For Class 54 Rating, Add	*1,083.99*	
		For Class 55 Rating, Add	*1,617.32*	
		For Class 56 Rating, Add	*2,143.49*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,294.66	622.47
		For Class 52 Rating, Deduct	*-808.67*	
		For Class 54 Rating, Add	*1,114.05*	
		For Class 55 Rating, Add	*1,662.03*	
		For Class 56 Rating, Add	*2,202.65*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,499.43	625.64
		For Class 52 Rating, Deduct	*-830.66*	
		For Class 54 Rating, Add	*1,144.10*	
		For Class 55 Rating, Add	*1,706.73*	
		For Class 56 Rating, Add	*2,261.82*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,704.22	628.82
		For Class 52 Rating, Deduct	*-852.66*	
		For Class 54 Rating, Add	*1,174.15*	
		For Class 55 Rating, Add	*1,751.44*	
		For Class 56 Rating, Add	*2,320.98*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,908.99	631.99
		For Class 52 Rating, Deduct	*-874.66*	
		For Class 54 Rating, Add	*1,204.21*	
		For Class 55 Rating, Add	*1,796.15*	
		For Class 56 Rating, Add	*2,380.14*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,113.77	635.17
		For Class 52 Rating, Deduct	*-896.65*	
		For Class 54 Rating, Add	*1,234.26*	
		For Class 55 Rating, Add	*1,840.86*	
		For Class 56 Rating, Add	*2,439.31*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,318.55	638.34
		For Class 52 Rating, Deduct	*-918.65*	
		For Class 54 Rating, Add	*1,264.31*	
		For Class 55 Rating, Add	*1,885.57*	
		For Class 56 Rating, Add	*2,498.47*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,523.33	641.52
		For Class 52 Rating, Deduct	*-940.65*	
		For Class 54 Rating, Add	*1,294.36*	
		For Class 55 Rating, Add	*1,930.27*	
		For Class 56 Rating, Add	*2,557.63*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,728.10	644.69
		For Class 52 Rating, Deduct	*-962.64*	
		For Class 54 Rating, Add	*1,324.42*	
		For Class 55 Rating, Add	*1,974.98*	
		For Class 56 Rating, Add	*2,616.80*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,932.88	647.88
		For Class 52 Rating, Deduct	*-984.64*	
		For Class 54 Rating, Add	*1,354.47*	
		For Class 55 Rating, Add	*2,019.69*	
		For Class 56 Rating, Add	*2,675.96*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,137.66	651.05
		For Class 52 Rating, Deduct	*-1,006.63*	
		For Class 54 Rating, Add	*1,384.52*	
		For Class 55 Rating, Add	*2,064.40*	
		For Class 56 Rating, Add	*2,735.12*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.69	609.76
		For Class 52 Rating, Deduct	*-228.12*	
		For Class 54 Rating, Add	*322.16*	
		For Class 55 Rating, Add	*484.63*	
		For Class 56 Rating, Add	*645.03*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,236.15	612.94
		For Class 52 Rating, Deduct	*-253.82*	
		For Class 54 Rating, Add	*357.26*	
		For Class 55 Rating, Add	*536.85*	
		For Class 56 Rating, Add	*714.13*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,474.64	616.11
		For Class 52 Rating, Deduct	*-279.52*	
		For Class 54 Rating, Add	*392.37*	
		For Class 55 Rating, Add	*589.08*	
		For Class 56 Rating, Add	*783.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,713.12	619.29
		For Class 52 Rating, Deduct	*-305.23*	
		For Class 54 Rating, Add	*427.48*	
		For Class 55 Rating, Add	*641.30*	
		For Class 56 Rating, Add	*852.35*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,951.60	622.47
		For Class 52 Rating, Deduct	*-330.93*	
		For Class 54 Rating, Add	*462.59*	
		For Class 55 Rating, Add	*693.52*	
		For Class 56 Rating, Add	*921.45*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.07	625.64
		For Class 52 Rating, Deduct	*-356.63*	
		For Class 54 Rating, Add	*497.69*	
		For Class 55 Rating, Add	*745.75*	
		For Class 56 Rating, Add	*990.55*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,428.56	628.82
		For Class 52 Rating, Deduct	*-382.34*	
		For Class 54 Rating, Add	*532.80*	
		For Class 55 Rating, Add	*797.97*	
		For Class 56 Rating, Add	*1,059.66*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,667.03	631.99
		For Class 52 Rating, Deduct	*-408.04*	
		For Class 54 Rating, Add	*567.91*	
		For Class 55 Rating, Add	*850.19*	
		For Class 56 Rating, Add	*1,128.77*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,905.51	635.17
		For Class 52 Rating, Deduct	*-433.74*	
		For Class 54 Rating, Add	*603.02*	
		For Class 55 Rating, Add	*902.42*	
		For Class 56 Rating, Add	*1,197.87*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,121.52	638.34
		For Class 52 Rating, Deduct	*-456.98*	
		For Class 54 Rating, Add	*634.76*	
		For Class 55 Rating, Add	*949.63*	
		For Class 56 Rating, Add	*1,260.35*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,382.48	641.52
		For Class 52 Rating, Deduct	*-485.15*	
		For Class 54 Rating, Add	*673.23*	
		For Class 55 Rating, Add	*1,006.86*	
		For Class 56 Rating, Add	*1,336.08*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.95	644.69
		For Class 52 Rating, Deduct	*-510.86*	
		For Class 54 Rating, Add	*708.34*	
		For Class 55 Rating, Add	*1,059.09*	
		For Class 56 Rating, Add	*1,405.19*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,859.43	647.88
		For Class 52 Rating, Deduct	*-536.56*	
		For Class 54 Rating, Add	*743.45*	
		For Class 55 Rating, Add	*1,111.31*	
		For Class 56 Rating, Add	*1,474.29*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,097.91	651.05
		For Class 52 Rating, Deduct	*-562.26*	
		For Class 54 Rating, Add	*778.56*	
		For Class 55 Rating, Add	*1,163.53*	
		For Class 56 Rating, Add	*1,543.40*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,336.39	654.23
		For Class 52 Rating, Deduct	*-587.97*	
		For Class 54 Rating, Add	*813.67*	
		For Class 55 Rating, Add	*1,215.76*	
		For Class 56 Rating, Add	*1,612.50*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,574.86	657.40
		For Class 52 Rating, Deduct	*-613.67*	
		For Class 54 Rating, Add	*848.77*	
		For Class 55 Rating, Add	*1,267.98*	
		For Class 56 Rating, Add	*1,681.60*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,813.35	660.58
		For Class 52 Rating, Deduct	*-639.37*	
		For Class 54 Rating, Add	*883.88*	
		For Class 55 Rating, Add	*1,320.20*	
		For Class 56 Rating, Add	*1,750.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,051.82	663.75
		For Class 52 Rating, Deduct	*-665.08*	
		For Class 54 Rating, Add	*918.99*	
		For Class 55 Rating, Add	*1,372.43*	
		For Class 56 Rating, Add	*1,819.82*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,290.31	666.92
		For Class 52 Rating, Deduct	*-690.78*	
		For Class 54 Rating, Add	*954.10*	
		For Class 55 Rating, Add	*1,424.65*	
		For Class 56 Rating, Add	*1,888.92*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,528.78	670.10
		For Class 52 Rating, Deduct	*-716.48*	
		For Class 54 Rating, Add	*989.20*	
		For Class 55 Rating, Add	*1,476.87*	
		For Class 56 Rating, Add	*1,958.02*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,767.25	673.28
		For Class 52 Rating, Deduct	*-742.19*	
		For Class 54 Rating, Add	*1,024.31*	
		For Class 55 Rating, Add	*1,529.09*	
		For Class 56 Rating, Add	*2,027.13*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,005.74	676.46
		For Class 52 Rating, Deduct	*-767.89*	
		For Class 54 Rating, Add	*1,059.42*	
		For Class 55 Rating, Add	*1,581.32*	
		For Class 56 Rating, Add	*2,096.24*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,244.21	679.63
		For Class 52 Rating, Deduct	*-793.59*	
		For Class 54 Rating, Add	*1,094.53*	
		For Class 55 Rating, Add	*1,633.54*	
		For Class 56 Rating, Add	*2,165.34*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,482.70	682.81
		For Class 52 Rating, Deduct	*-819.30*	
		For Class 54 Rating, Add	*1,129.64*	
		For Class 55 Rating, Add	*1,685.76*	
		For Class 56 Rating, Add	*2,234.45*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,721.17	685.98
		For Class 52 Rating, Deduct	*-845.00*	
		For Class 54 Rating, Add	*1,164.74*	
		For Class 55 Rating, Add	*1,737.99*	
		For Class 56 Rating, Add	*2,303.55*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,959.66	689.16
		For Class 52 Rating, Deduct	*-870.70*	
		For Class 54 Rating, Add	*1,199.85*	
		For Class 55 Rating, Add	*1,790.21*	
		For Class 56 Rating, Add	*2,372.66*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,198.13	692.33
		For Class 52 Rating, Deduct	*-896.41*	
		For Class 54 Rating, Add	*1,234.96*	
		For Class 55 Rating, Add	*1,842.43*	
		For Class 56 Rating, Add	*2,441.76*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,436.61	695.51
		For Class 52 Rating, Deduct	*-922.11*	
		For Class 54 Rating, Add	*1,270.07*	
		For Class 55 Rating, Add	*1,894.66*	
		For Class 56 Rating, Add	*2,510.87*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,675.09	698.69
		For Class 52 Rating, Deduct	*-947.81*	
		For Class 54 Rating, Add	*1,305.18*	
		For Class 55 Rating, Add	*1,946.88*	
		For Class 56 Rating, Add	*2,579.97*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,913.58	701.86
		For Class 52 Rating, Deduct	*-973.52*	
		For Class 54 Rating, Add	*1,340.28*	
		For Class 55 Rating, Add	*1,999.11*	
		For Class 56 Rating, Add	*2,649.08*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,152.04	705.04
		For Class 52 Rating, Deduct	*-999.22*	
		For Class 54 Rating, Add	*1,375.39*	
		For Class 55 Rating, Add	*2,051.33*	
		For Class 56 Rating, Add	*2,718.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,390.53	708.21
		For Class 52 Rating, Deduct	*-1,024.92*	
		For Class 54 Rating, Add	*1,410.50*	
		For Class 55 Rating, Add	*2,103.55*	
		For Class 56 Rating, Add	*2,787.29*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,629.01	711.39
		For Class 52 Rating, Deduct	*-1,050.63*	
		For Class 54 Rating, Add	*1,445.61*	
		For Class 55 Rating, Add	*2,155.78*	
		For Class 56 Rating, Add	*2,856.39*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,867.49	714.56
		For Class 52 Rating, Deduct	*-1,076.33*	
		For Class 54 Rating, Add	*1,480.71*	
		For Class 55 Rating, Add	*2,208.00*	
		For Class 56 Rating, Add	*2,925.50*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,105.96	717.74
		For Class 52 Rating, Deduct	*-1,102.03*	
		For Class 54 Rating, Add	*1,515.82*	
		For Class 55 Rating, Add	*2,260.22*	
		For Class 56 Rating, Add	*2,994.60*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,344.45	720.91
		For Class 52 Rating, Deduct	*-1,127.74*	
		For Class 54 Rating, Add	*1,550.93*	
		For Class 55 Rating, Add	*2,312.44*	
		For Class 56 Rating, Add	*3,063.71*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,582.93	724.10
		For Class 52 Rating, Deduct	*-1,153.44*	
		For Class 54 Rating, Add	*1,586.04*	
		For Class 55 Rating, Add	*2,364.67*	
		For Class 56 Rating, Add	*3,132.81*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,821.40	727.27
		For Class 52 Rating, Deduct	*-1,179.14*	
		For Class 54 Rating, Add	*1,621.15*	
		For Class 55 Rating, Add	*2,416.89*	
		For Class 56 Rating, Add	*3,201.92*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,501.55	687.26
		For Class 52 Rating, Deduct	*-270.63*	
		For Class 54 Rating, Add	*381.53*	
		For Class 55 Rating, Add	*573.63*	
		For Class 56 Rating, Add	*763.26*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.96	690.43
		For Class 52 Rating, Deduct	*-300.28*	
		For Class 54 Rating, Add	*422.03*	
		For Class 55 Rating, Add	*633.87*	
		For Class 56 Rating, Add	*842.97*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,050.40	693.61
		For Class 52 Rating, Deduct	*-329.94*	
		For Class 54 Rating, Add	*462.53*	
		For Class 55 Rating, Add	*694.11*	
		For Class 56 Rating, Add	*922.68*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,324.82	696.79
		For Class 52 Rating, Deduct	*-359.60*	
		For Class 54 Rating, Add	*503.03*	
		For Class 55 Rating, Add	*754.34*	
		For Class 56 Rating, Add	*1,002.39*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,599.25	699.96
		For Class 52 Rating, Deduct	*-389.26*	
		For Class 54 Rating, Add	*543.53*	
		For Class 55 Rating, Add	*814.59*	
		For Class 56 Rating, Add	*1,082.10*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,873.68	703.14
		For Class 52 Rating, Deduct	*-418.92*	
		For Class 54 Rating, Add	*584.03*	
		For Class 55 Rating, Add	*874.83*	
		For Class 56 Rating, Add	*1,161.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,148.11	706.31
		For Class 52 Rating, Deduct	*-448.57*	
		For Class 54 Rating, Add	*624.53*	
		For Class 55 Rating, Add	*935.06*	
		For Class 56 Rating, Add	*1,241.52*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,422.53	709.49
		For Class 52 Rating, Deduct	*-478.23*	
		For Class 54 Rating, Add	*665.03*	
		For Class 55 Rating, Add	*995.31*	
		For Class 56 Rating, Add	*1,321.23*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,696.96	712.66
		For Class 52 Rating, Deduct	*-507.89*	
		For Class 54 Rating, Add	*705.53*	
		For Class 55 Rating, Add	*1,055.54*	
		For Class 56 Rating, Add	*1,400.94*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,971.39	715.84
		For Class 52 Rating, Deduct	*-537.55*	
		For Class 54 Rating, Add	*746.03*	
		For Class 55 Rating, Add	*1,115.78*	
		For Class 56 Rating, Add	*1,480.65*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,245.83	719.01
		For Class 52 Rating, Deduct	*-567.21*	
		For Class 54 Rating, Add	*786.53*	
		For Class 55 Rating, Add	*1,176.03*	
		For Class 56 Rating, Add	*1,560.36*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,520.24	722.20
		For Class 52 Rating, Deduct	*-596.86*	
		For Class 54 Rating, Add	*827.03*	
		For Class 55 Rating, Add	*1,236.26*	
		For Class 56 Rating, Add	*1,640.07*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,794.68	725.37
		For Class 52 Rating, Deduct	*-626.52*	
		For Class 54 Rating, Add	*867.53*	
		For Class 55 Rating, Add	*1,296.50*	
		For Class 56 Rating, Add	*1,719.78*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,069.10	728.55
		For Class 52 Rating, Deduct	*-656.18*	
		For Class 54 Rating, Add	*908.03*	
		For Class 55 Rating, Add	*1,356.74*	
		For Class 56 Rating, Add	*1,799.49*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,343.53	731.72
		For Class 52 Rating, Deduct	*-685.84*	
		For Class 54 Rating, Add	*948.53*	
		For Class 55 Rating, Add	*1,416.98*	
		For Class 56 Rating, Add	*1,879.20*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,617.96	734.89
		For Class 52 Rating, Deduct	*-715.49*	
		For Class 54 Rating, Add	*989.04*	
		For Class 55 Rating, Add	*1,477.22*	
		For Class 56 Rating, Add	*1,958.91*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,892.39	738.07
		For Class 52 Rating, Deduct	*-745.15*	
		For Class 54 Rating, Add	*1,029.53*	
		For Class 55 Rating, Add	*1,537.46*	
		For Class 56 Rating, Add	*2,038.62*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,166.81	741.24
		For Class 52 Rating, Deduct	*-774.81*	
		For Class 54 Rating, Add	*1,070.04*	
		For Class 55 Rating, Add	*1,597.70*	
		For Class 56 Rating, Add	*2,118.33*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,441.24	744.42
		For Class 52 Rating, Deduct	*-804.47*	
		For Class 54 Rating, Add	*1,110.53*	
		For Class 55 Rating, Add	*1,657.94*	
		For Class 56 Rating, Add	*2,198.04*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,715.67	747.60
		For Class 52 Rating, Deduct	*-834.12*	
		For Class 54 Rating, Add	*1,151.04*	
		For Class 55 Rating, Add	*1,718.18*	
		For Class 56 Rating, Add	*2,277.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,990.10	750.78
		For Class 52 Rating, Deduct	*-863.78*	
		For Class 54 Rating, Add	*1,191.54*	
		For Class 55 Rating, Add	*1,778.42*	
		For Class 56 Rating, Add	*2,357.46*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,264.52	753.95
		For Class 52 Rating, Deduct	*-893.44*	
		For Class 54 Rating, Add	*1,232.04*	
		For Class 55 Rating, Add	*1,838.66*	
		For Class 56 Rating, Add	*2,437.17*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,538.96	757.13
		For Class 52 Rating, Deduct	*-923.10*	
		For Class 54 Rating, Add	*1,272.54*	
		For Class 55 Rating, Add	*1,898.90*	
		For Class 56 Rating, Add	*2,516.88*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,813.38	760.30
		For Class 52 Rating, Deduct	*-952.76*	
		For Class 54 Rating, Add	*1,313.04*	
		For Class 55 Rating, Add	*1,959.14*	
		For Class 56 Rating, Add	*2,596.59*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,087.80	763.48
		For Class 52 Rating, Deduct	*-982.41*	
		For Class 54 Rating, Add	*1,353.54*	
		For Class 55 Rating, Add	*2,019.38*	
		For Class 56 Rating, Add	*2,676.30*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,362.24	766.65
		For Class 52 Rating, Deduct	*-1,012.07*	
		For Class 54 Rating, Add	*1,394.04*	
		For Class 55 Rating, Add	*2,079.62*	
		For Class 56 Rating, Add	*2,756.01*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,636.66	769.83
		For Class 52 Rating, Deduct	*-1,041.73*	
		For Class 54 Rating, Add	*1,434.54*	
		For Class 55 Rating, Add	*2,139.86*	
		For Class 56 Rating, Add	*2,835.72*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,911.09	773.01
		For Class 52 Rating, Deduct	*-1,071.39*	
		For Class 54 Rating, Add	*1,475.04*	
		For Class 55 Rating, Add	*2,200.10*	
		For Class 56 Rating, Add	*2,915.43*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,185.51	776.18
		For Class 52 Rating, Deduct	*-1,101.04*	
		For Class 54 Rating, Add	*1,515.54*	
		For Class 55 Rating, Add	*2,260.34*	
		For Class 56 Rating, Add	*2,995.14*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,459.95	779.36
		For Class 52 Rating, Deduct	*-1,130.70*	
		For Class 54 Rating, Add	*1,556.04*	
		For Class 55 Rating, Add	*2,320.58*	
		For Class 56 Rating, Add	*3,074.85*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,734.37	782.53
		For Class 52 Rating, Deduct	*-1,160.36*	
		For Class 54 Rating, Add	*1,596.54*	
		For Class 55 Rating, Add	*2,380.82*	
		For Class 56 Rating, Add	*3,154.56*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,008.80	785.71
		For Class 52 Rating, Deduct	*-1,190.02*	
		For Class 54 Rating, Add	*1,637.04*	
		For Class 55 Rating, Add	*2,441.06*	
		For Class 56 Rating, Add	*3,234.27*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,283.23	788.88
		For Class 52 Rating, Deduct	*-1,219.68*	
		For Class 54 Rating, Add	*1,677.54*	
		For Class 55 Rating, Add	*2,501.30*	
		For Class 56 Rating, Add	*3,313.98*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,557.66	792.06
		For Class 52 Rating, Deduct	*-1,249.33*	
		For Class 54 Rating, Add	*1,718.04*	
		For Class 55 Rating, Add	*2,561.54*	
		For Class 56 Rating, Add	*3,393.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,832.08	795.23
		For Class 52 Rating, Deduct	*-1,278.99*	
		For Class 54 Rating, Add	*1,758.54*	
		For Class 55 Rating, Add	*2,621.78*	
		For Class 56 Rating, Add	*3,473.40*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,106.52	798.42
		For Class 52 Rating, Deduct	*-1,308.65*	
		For Class 54 Rating, Add	*1,799.04*	
		For Class 55 Rating, Add	*2,682.02*	
		For Class 56 Rating, Add	*3,553.11*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,380.94	801.59
		For Class 52 Rating, Deduct	*-1,338.31*	
		For Class 54 Rating, Add	*1,839.54*	
		For Class 55 Rating, Add	*2,742.26*	
		For Class 56 Rating, Add	*3,632.82*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,655.37	804.77
		For Class 52 Rating, Deduct	*-1,367.96*	
		For Class 54 Rating, Add	*1,880.04*	
		For Class 55 Rating, Add	*2,802.50*	
		For Class 56 Rating, Add	*3,712.53*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.20	784.43
		For Class 52 Rating, Deduct	*-316.10*	
		For Class 54 Rating, Add	*445.31*	
		For Class 55 Rating, Add	*669.35*	
		For Class 56 Rating, Add	*890.52*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.07	787.61
		For Class 52 Rating, Deduct	*-350.21*	
		For Class 54 Rating, Add	*491.88*	
		For Class 55 Rating, Add	*738.61*	
		For Class 56 Rating, Add	*982.16*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,691.93	790.78
		For Class 52 Rating, Deduct	*-384.31*	
		For Class 54 Rating, Add	*538.44*	
		For Class 55 Rating, Add	*807.87*	
		For Class 56 Rating, Add	*1,073.80*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,006.80	793.96
		For Class 52 Rating, Deduct	*-418.42*	
		For Class 54 Rating, Add	*585.01*	
		For Class 55 Rating, Add	*877.13*	
		For Class 56 Rating, Add	*1,165.44*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,321.68	797.13
		For Class 52 Rating, Deduct	*-452.53*	
		For Class 54 Rating, Add	*631.58*	
		For Class 55 Rating, Add	*946.38*	
		For Class 56 Rating, Add	*1,257.08*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,636.54	800.32
		For Class 52 Rating, Deduct	*-486.63*	
		For Class 54 Rating, Add	*678.14*	
		For Class 55 Rating, Add	*1,015.64*	
		For Class 56 Rating, Add	*1,348.72*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,951.42	803.49
		For Class 52 Rating, Deduct	*-520.74*	
		For Class 54 Rating, Add	*724.71*	
		For Class 55 Rating, Add	*1,084.90*	
		For Class 56 Rating, Add	*1,440.36*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,266.29	806.67
		For Class 52 Rating, Deduct	*-554.85*	
		For Class 54 Rating, Add	*771.28*	
		For Class 55 Rating, Add	*1,154.16*	
		For Class 56 Rating, Add	*1,532.00*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,581.15	809.84
		For Class 52 Rating, Deduct	*-588.95*	
		For Class 54 Rating, Add	*817.84*	
		For Class 55 Rating, Add	*1,223.42*	
		For Class 56 Rating, Add	*1,623.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,896.02	813.02
		For Class 52 Rating, Deduct	*-623.06*	
		For Class 54 Rating, Add	*864.41*	
		For Class 55 Rating, Add	*1,292.68*	
		For Class 56 Rating, Add	*1,715.28*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,210.90	816.19
		For Class 52 Rating, Deduct	*-657.17*	
		For Class 54 Rating, Add	*910.98*	
		For Class 55 Rating, Add	*1,361.94*	
		For Class 56 Rating, Add	*1,806.92*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,525.76	819.36
		For Class 52 Rating, Deduct	*-691.27*	
		For Class 54 Rating, Add	*957.54*	
		For Class 55 Rating, Add	*1,431.19*	
		For Class 56 Rating, Add	*1,898.56*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,840.64	822.54
		For Class 52 Rating, Deduct	*-725.38*	
		For Class 54 Rating, Add	*1,004.11*	
		For Class 55 Rating, Add	*1,500.45*	
		For Class 56 Rating, Add	*1,990.20*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,155.51	825.72
		For Class 52 Rating, Deduct	*-759.49*	
		For Class 54 Rating, Add	*1,050.68*	
		For Class 55 Rating, Add	*1,569.71*	
		For Class 56 Rating, Add	*2,081.84*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,470.38	828.90
		For Class 52 Rating, Deduct	*-793.59*	
		For Class 54 Rating, Add	*1,097.24*	
		For Class 55 Rating, Add	*1,638.97*	
		For Class 56 Rating, Add	*2,173.48*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,785.24	832.07
		For Class 52 Rating, Deduct	*-827.70*	
		For Class 54 Rating, Add	*1,143.81*	
		For Class 55 Rating, Add	*1,708.23*	
		For Class 56 Rating, Add	*2,265.12*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,100.12	835.25
		For Class 52 Rating, Deduct	*-861.80*	
		For Class 54 Rating, Add	*1,190.37*	
		For Class 55 Rating, Add	*1,777.49*	
		For Class 56 Rating, Add	*2,356.76*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,414.99	838.42
		For Class 52 Rating, Deduct	*-895.91*	
		For Class 54 Rating, Add	*1,236.94*	
		For Class 55 Rating, Add	*1,846.75*	
		For Class 56 Rating, Add	*2,448.40*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,729.86	841.60
		For Class 52 Rating, Deduct	*-930.02*	
		For Class 54 Rating, Add	*1,283.51*	
		For Class 55 Rating, Add	*1,916.00*	
		For Class 56 Rating, Add	*2,540.04*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,044.73	844.77
		For Class 52 Rating, Deduct	*-964.12*	
		For Class 54 Rating, Add	*1,330.08*	
		For Class 55 Rating, Add	*1,985.26*	
		For Class 56 Rating, Add	*2,631.69*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,359.61	847.95
		For Class 52 Rating, Deduct	*-998.23*	
		For Class 54 Rating, Add	*1,376.64*	
		For Class 55 Rating, Add	*2,054.52*	
		For Class 56 Rating, Add	*2,723.33*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,674.46	851.13
		For Class 52 Rating, Deduct	*-1,032.34*	
		For Class 54 Rating, Add	*1,423.21*	
		For Class 55 Rating, Add	*2,123.78*	
		For Class 56 Rating, Add	*2,814.96*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,989.34	854.31
		For Class 52 Rating, Deduct	*-1,066.44*	
		For Class 54 Rating, Add	*1,469.77*	
		For Class 55 Rating, Add	*2,193.04*	
		For Class 56 Rating, Add	*2,906.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,304.21	857.48
		For Class 52 Rating, Deduct	*-1,100.55*	
		For Class 54 Rating, Add	*1,516.34*	
		For Class 55 Rating, Add	*2,262.30*	
		For Class 56 Rating, Add	*2,998.25*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,619.09	860.65
		For Class 52 Rating, Deduct	*-1,134.66*	
		For Class 54 Rating, Add	*1,562.91*	
		For Class 55 Rating, Add	*2,331.56*	
		For Class 56 Rating, Add	*3,089.89*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,933.95	863.83
		For Class 52 Rating, Deduct	*-1,168.76*	
		For Class 54 Rating, Add	*1,609.47*	
		For Class 55 Rating, Add	*2,400.81*	
		For Class 56 Rating, Add	*3,181.53*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,248.83	867.00
		For Class 52 Rating, Deduct	*-1,202.87*	
		For Class 54 Rating, Add	*1,656.04*	
		For Class 55 Rating, Add	*2,470.07*	
		For Class 56 Rating, Add	*3,273.17*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,563.69	870.18
		For Class 52 Rating, Deduct	*-1,236.98*	
		For Class 54 Rating, Add	*1,702.61*	
		For Class 55 Rating, Add	*2,539.33*	
		For Class 56 Rating, Add	*3,364.81*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,878.56	873.35
		For Class 52 Rating, Deduct	*-1,271.08*	
		For Class 54 Rating, Add	*1,749.17*	
		For Class 55 Rating, Add	*2,608.59*	
		For Class 56 Rating, Add	*3,456.45*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,193.43	876.54
		For Class 52 Rating, Deduct	*-1,305.19*	
		For Class 54 Rating, Add	*1,795.74*	
		For Class 55 Rating, Add	*2,677.85*	
		For Class 56 Rating, Add	*3,548.09*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,508.31	879.71
		For Class 52 Rating, Deduct	*-1,339.30*	
		For Class 54 Rating, Add	*1,842.31*	
		For Class 55 Rating, Add	*2,747.11*	
		For Class 56 Rating, Add	*3,639.73*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,823.17	882.89
		For Class 52 Rating, Deduct	*-1,373.40*	
		For Class 54 Rating, Add	*1,888.87*	
		For Class 55 Rating, Add	*2,816.36*	
		For Class 56 Rating, Add	*3,731.37*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,138.05	886.06
		For Class 52 Rating, Deduct	*-1,407.51*	
		For Class 54 Rating, Add	*1,935.44*	
		For Class 55 Rating, Add	*2,885.62*	
		For Class 56 Rating, Add	*3,823.01*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,452.91	889.24
		For Class 52 Rating, Deduct	*-1,441.61*	
		For Class 54 Rating, Add	*1,982.00*	
		For Class 55 Rating, Add	*2,954.88*	
		For Class 56 Rating, Add	*3,914.65*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,767.77	892.41
		For Class 52 Rating, Deduct	*-1,475.72*	
		For Class 54 Rating, Add	*2,028.57*	
		For Class 55 Rating, Add	*3,024.14*	
		For Class 56 Rating, Add	*4,006.29*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,082.65	895.58
		For Class 52 Rating, Deduct	*-1,509.83*	
		For Class 54 Rating, Add	*2,075.14*	
		For Class 55 Rating, Add	*3,093.40*	
		For Class 56 Rating, Add	*4,097.93*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,397.52	898.76
		For Class 52 Rating, Deduct	*-1,543.93*	
		For Class 54 Rating, Add	*2,121.71*	
		For Class 55 Rating, Add	*3,162.66*	
		For Class 56 Rating, Add	*4,189.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,712.40	901.94
		For Class 52 Rating, Deduct	*-1,578.04*	
		For Class 54 Rating, Add	*2,168.27*	
		For Class 55 Rating, Add	*3,231.92*	
		For Class 56 Rating, Add	*4,281.21*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.90	927.35
		For Class 52 Rating, Deduct	*-399.39*	
		For Class 54 Rating, Add	*561.49*	
		For Class 55 Rating, Add	*843.40*	
		For Class 56 Rating, Add	*1,121.68*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,424.91	930.53
		For Class 52 Rating, Deduct	*-441.65*	
		For Class 54 Rating, Add	*619.17*	
		For Class 55 Rating, Add	*929.19*	
		For Class 56 Rating, Add	*1,235.19*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,813.93	933.70
		For Class 52 Rating, Deduct	*-483.92*	
		For Class 54 Rating, Add	*676.86*	
		For Class 55 Rating, Add	*1,014.98*	
		For Class 56 Rating, Add	*1,348.70*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,202.94	936.87
		For Class 52 Rating, Deduct	*-526.18*	
		For Class 54 Rating, Add	*734.55*	
		For Class 55 Rating, Add	*1,100.78*	
		For Class 56 Rating, Add	*1,462.22*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,591.96	940.05
		For Class 52 Rating, Deduct	*-568.44*	
		For Class 54 Rating, Add	*792.24*	
		For Class 55 Rating, Add	*1,186.57*	
		For Class 56 Rating, Add	*1,575.73*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,980.97	943.22
		For Class 52 Rating, Deduct	*-610.70*	
		For Class 54 Rating, Add	*849.93*	
		For Class 55 Rating, Add	*1,272.36*	
		For Class 56 Rating, Add	*1,689.24*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,369.99	946.40
		For Class 52 Rating, Deduct	*-652.97*	
		For Class 54 Rating, Add	*907.61*	
		For Class 55 Rating, Add	*1,358.15*	
		For Class 56 Rating, Add	*1,802.76*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,759.00	949.57
		For Class 52 Rating, Deduct	*-695.23*	
		For Class 54 Rating, Add	*965.30*	
		For Class 55 Rating, Add	*1,443.95*	
		For Class 56 Rating, Add	*1,916.27*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,148.02	952.76
		For Class 52 Rating, Deduct	*-737.49*	
		For Class 54 Rating, Add	*1,022.99*	
		For Class 55 Rating, Add	*1,529.74*	
		For Class 56 Rating, Add	*2,029.78*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,537.02	955.93
		For Class 52 Rating, Deduct	*-779.75*	
		For Class 54 Rating, Add	*1,080.68*	
		For Class 55 Rating, Add	*1,615.53*	
		For Class 56 Rating, Add	*2,143.29*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.05	959.11
		For Class 52 Rating, Deduct	*-822.01*	
		For Class 54 Rating, Add	*1,138.37*	
		For Class 55 Rating, Add	*1,701.32*	
		For Class 56 Rating, Add	*2,256.81*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.06	962.28
		For Class 52 Rating, Deduct	*-864.28*	
		For Class 54 Rating, Add	*1,196.06*	
		For Class 55 Rating, Add	*1,787.12*	
		For Class 56 Rating, Add	*2,370.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,704.07	965.46
		For Class 52 Rating, Deduct	*-906.54*	
		For Class 54 Rating, Add	*1,253.74*	
		For Class 55 Rating, Add	*1,872.91*	
		For Class 56 Rating, Add	*2,483.83*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,093.09	968.63
		For Class 52 Rating, Deduct	*-948.80*	
		For Class 54 Rating, Add	*1,311.43*	
		For Class 55 Rating, Add	*1,958.70*	
		For Class 56 Rating, Add	*2,597.35*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,482.11	971.80
		For Class 52 Rating, Deduct	*-991.06*	
		For Class 54 Rating, Add	*1,369.12*	
		For Class 55 Rating, Add	*2,044.49*	
		For Class 56 Rating, Add	*2,710.86*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,871.12	974.98
		For Class 52 Rating, Deduct	*-1,033.33*	
		For Class 54 Rating, Add	*1,426.81*	
		For Class 55 Rating, Add	*2,130.29*	
		For Class 56 Rating, Add	*2,824.37*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,260.13	978.16
		For Class 52 Rating, Deduct	*-1,075.59*	
		For Class 54 Rating, Add	*1,484.50*	
		For Class 55 Rating, Add	*2,216.08*	
		For Class 56 Rating, Add	*2,937.88*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,649.15	981.34
		For Class 52 Rating, Deduct	*-1,117.85*	
		For Class 54 Rating, Add	*1,542.18*	
		For Class 55 Rating, Add	*2,301.87*	
		For Class 56 Rating, Add	*3,051.40*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,038.17	984.51
		For Class 52 Rating, Deduct	*-1,160.11*	
		For Class 54 Rating, Add	*1,599.87*	
		For Class 55 Rating, Add	*2,387.67*	
		For Class 56 Rating, Add	*3,164.91*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,427.17	987.69
		For Class 52 Rating, Deduct	*-1,202.37*	
		For Class 54 Rating, Add	*1,657.56*	
		For Class 55 Rating, Add	*2,473.46*	
		For Class 56 Rating, Add	*3,278.42*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,816.19	990.86
		For Class 52 Rating, Deduct	*-1,244.64*	
		For Class 54 Rating, Add	*1,715.25*	
		For Class 55 Rating, Add	*2,559.25*	
		For Class 56 Rating, Add	*3,391.94*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,205.21	994.04
		For Class 52 Rating, Deduct	*-1,286.90*	
		For Class 54 Rating, Add	*1,772.94*	
		For Class 55 Rating, Add	*2,645.04*	
		For Class 56 Rating, Add	*3,505.45*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,594.22	997.21
		For Class 52 Rating, Deduct	*-1,329.16*	
		For Class 54 Rating, Add	*1,830.62*	
		For Class 55 Rating, Add	*2,730.84*	
		For Class 56 Rating, Add	*3,618.96*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,983.23	1,000.39
		For Class 52 Rating, Deduct	*-1,371.42*	
		For Class 54 Rating, Add	*1,888.31*	
		For Class 55 Rating, Add	*2,816.63*	
		For Class 56 Rating, Add	*3,732.48*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,372.26	1,003.57
		For Class 52 Rating, Deduct	*-1,413.69*	
		For Class 54 Rating, Add	*1,946.00*	
		For Class 55 Rating, Add	*2,902.42*	
		For Class 56 Rating, Add	*3,845.99*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,761.27	1,006.75
		For Class 52 Rating, Deduct	*-1,455.95*	
		For Class 54 Rating, Add	*2,003.69*	
		For Class 55 Rating, Add	*2,988.21*	
		For Class 56 Rating, Add	*3,959.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,150.28	1,009.92
		For Class 52 Rating, Deduct	*-1,498.21*	
		For Class 54 Rating, Add	*2,061.38*	
		For Class 55 Rating, Add	*3,074.01*	
		For Class 56 Rating, Add	*4,073.02*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,539.29	1,013.09
		For Class 52 Rating, Deduct	*-1,540.47*	
		For Class 54 Rating, Add	*2,119.06*	
		For Class 55 Rating, Add	*3,159.80*	
		For Class 56 Rating, Add	*4,186.53*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,928.32	1,016.27
		For Class 52 Rating, Deduct	*-1,582.74*	
		For Class 54 Rating, Add	*2,176.75*	
		For Class 55 Rating, Add	*3,245.59*	
		For Class 56 Rating, Add	*4,300.04*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,399.13	1,073.43
		For Class 52 Rating, Deduct	*-1,625.00*	
		For Class 54 Rating, Add	*2,235.42*	
		For Class 55 Rating, Add	*3,333.35*	
		For Class 56 Rating, Add	*4,416.50*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,788.14	1,076.61
		For Class 52 Rating, Deduct	*-1,667.26*	
		For Class 54 Rating, Add	*2,293.11*	
		For Class 55 Rating, Add	*3,419.14*	
		For Class 56 Rating, Add	*4,530.01*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,177.17	1,079.79
		For Class 52 Rating, Deduct	*-1,709.52*	
		For Class 54 Rating, Add	*2,350.80*	
		For Class 55 Rating, Add	*3,504.93*	
		For Class 56 Rating, Add	*4,643.53*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,566.17	1,082.97
		For Class 52 Rating, Deduct	*-1,751.79*	
		For Class 54 Rating, Add	*2,408.49*	
		For Class 55 Rating, Add	*3,590.73*	
		For Class 56 Rating, Add	*4,757.04*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,955.19	1,086.14
		For Class 52 Rating, Deduct	*-1,794.05*	
		For Class 54 Rating, Add	*2,466.18*	
		For Class 55 Rating, Add	*3,676.52*	
		For Class 56 Rating, Add	*4,870.55*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,344.20	1,089.31
		For Class 52 Rating, Deduct	*-1,836.31*	
		For Class 54 Rating, Add	*2,523.86*	
		For Class 55 Rating, Add	*3,762.31*	
		For Class 56 Rating, Add	*4,984.06*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,733.22	1,092.49
		For Class 52 Rating, Deduct	*-1,878.57*	
		For Class 54 Rating, Add	*2,581.55*	
		For Class 55 Rating, Add	*3,848.11*	
		For Class 56 Rating, Add	*5,097.58*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,122.23	1,095.66
		For Class 52 Rating, Deduct	*-1,920.83*	
		For Class 54 Rating, Add	*2,639.24*	
		For Class 55 Rating, Add	*3,933.90*	
		For Class 56 Rating, Add	*5,211.09*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,511.25	1,098.84
		For Class 52 Rating, Deduct	*-1,963.10*	
		For Class 54 Rating, Add	*2,696.93*	
		For Class 55 Rating, Add	*4,019.69*	
		For Class 56 Rating, Add	*5,324.60*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,779.24	1,308.45
		For Class 52 Rating, Deduct	*-637.64*	
		For Class 54 Rating, Add	*893.30*	
		For Class 55 Rating, Add	*1,340.25*	
		For Class 56 Rating, Add	*1,781.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,339.01	1,311.63
		For Class 52 Rating, Deduct	*-698.69*	
		For Class 54 Rating, Add	*976.60*	
		For Class 55 Rating, Add	*1,464.12*	
		For Class 56 Rating, Add	*1,945.29*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,898.78	1,314.80
		For Class 52 Rating, Deduct	*-759.73*	
		For Class 54 Rating, Add	*1,059.90*	
		For Class 55 Rating, Add	*1,588.00*	
		For Class 56 Rating, Add	*2,109.18*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,458.56	1,317.98
		For Class 52 Rating, Deduct	*-820.78*	
		For Class 54 Rating, Add	*1,143.21*	
		For Class 55 Rating, Add	*1,711.87*	
		For Class 56 Rating, Add	*2,273.07*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,018.32	1,321.15
		For Class 52 Rating, Deduct	*-881.82*	
		For Class 54 Rating, Add	*1,226.51*	
		For Class 55 Rating, Add	*1,835.74*	
		For Class 56 Rating, Add	*2,436.95*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,578.10	1,324.32
		For Class 52 Rating, Deduct	*-942.87*	
		For Class 54 Rating, Add	*1,309.81*	
		For Class 55 Rating, Add	*1,959.61*	
		For Class 56 Rating, Add	*2,600.84*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,137.87	1,327.50
		For Class 52 Rating, Deduct	*-1,003.92*	
		For Class 54 Rating, Add	*1,393.11*	
		For Class 55 Rating, Add	*2,083.48*	
		For Class 56 Rating, Add	*2,764.73*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,697.64	1,330.68
		For Class 52 Rating, Deduct	*-1,064.96*	
		For Class 54 Rating, Add	*1,476.41*	
		For Class 55 Rating, Add	*2,207.35*	
		For Class 56 Rating, Add	*2,928.61*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,257.41	1,333.86
		For Class 52 Rating, Deduct	*-1,126.01*	
		For Class 54 Rating, Add	*1,559.71*	
		For Class 55 Rating, Add	*2,331.23*	
		For Class 56 Rating, Add	*3,092.50*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,817.19	1,337.03
		For Class 52 Rating, Deduct	*-1,187.05*	
		For Class 54 Rating, Add	*1,643.02*	
		For Class 55 Rating, Add	*2,455.10*	
		For Class 56 Rating, Add	*3,256.39*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,376.96	1,340.21
		For Class 52 Rating, Deduct	*-1,248.10*	
		For Class 54 Rating, Add	*1,726.32*	
		For Class 55 Rating, Add	*2,578.97*	
		For Class 56 Rating, Add	*3,420.27*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,936.72	1,343.38
		For Class 52 Rating, Deduct	*-1,309.14*	
		For Class 54 Rating, Add	*1,809.62*	
		For Class 55 Rating, Add	*2,702.84*	
		For Class 56 Rating, Add	*3,584.16*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,496.50	1,346.56
		For Class 52 Rating, Deduct	*-1,370.19*	
		For Class 54 Rating, Add	*1,892.92*	
		For Class 55 Rating, Add	*2,826.71*	
		For Class 56 Rating, Add	*3,748.05*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,056.27	1,349.73
		For Class 52 Rating, Deduct	*-1,431.23*	
		For Class 54 Rating, Add	*1,976.22*	
		For Class 55 Rating, Add	*2,950.58*	
		For Class 56 Rating, Add	*3,911.93*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,616.04	1,352.91
		For Class 52 Rating, Deduct	*-1,492.28*	
		For Class 54 Rating, Add	*2,059.53*	
		For Class 55 Rating, Add	*3,074.45*	
		For Class 56 Rating, Add	*4,075.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,175.81	1,356.09
		For Class 52 Rating, Deduct	*-1,553.33*	
		For Class 54 Rating, Add	*2,142.83*	
		For Class 55 Rating, Add	*3,198.33*	
		For Class 56 Rating, Add	*4,239.70*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,735.59	1,359.27
		For Class 52 Rating, Deduct	*-1,614.37*	
		For Class 54 Rating, Add	*2,226.13*	
		For Class 55 Rating, Add	*3,322.20*	
		For Class 56 Rating, Add	*4,403.59*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,295.35	1,362.44
		For Class 52 Rating, Deduct	*-1,675.42*	
		For Class 54 Rating, Add	*2,309.43*	
		For Class 55 Rating, Add	*3,446.07*	
		For Class 56 Rating, Add	*4,567.48*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,855.13	1,365.61
		For Class 52 Rating, Deduct	*-1,736.46*	
		For Class 54 Rating, Add	*2,392.73*	
		For Class 55 Rating, Add	*3,569.94*	
		For Class 56 Rating, Add	*4,731.36*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,414.90	1,368.79
		For Class 52 Rating, Deduct	*-1,797.51*	
		For Class 54 Rating, Add	*2,476.03*	
		For Class 55 Rating, Add	*3,693.81*	
		For Class 56 Rating, Add	*4,895.25*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,974.68	1,371.96
		For Class 52 Rating, Deduct	*-1,858.55*	
		For Class 54 Rating, Add	*2,559.34*	
		For Class 55 Rating, Add	*3,817.68*	
		For Class 56 Rating, Add	*5,059.14*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,534.44	1,375.14
		For Class 52 Rating, Deduct	*-1,919.60*	
		For Class 54 Rating, Add	*2,642.64*	
		For Class 55 Rating, Add	*3,941.56*	
		For Class 56 Rating, Add	*5,223.02*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,094.22	1,378.31
		For Class 52 Rating, Deduct	*-1,980.64*	
		For Class 54 Rating, Add	*2,725.94*	
		For Class 55 Rating, Add	*4,065.43*	
		For Class 56 Rating, Add	*5,386.91*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,653.98	1,381.50
		For Class 52 Rating, Deduct	*-2,041.69*	
		For Class 54 Rating, Add	*2,809.24*	
		For Class 55 Rating, Add	*4,189.30*	
		For Class 56 Rating, Add	*5,550.79*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,213.75	1,384.67
		For Class 52 Rating, Deduct	*-2,102.73*	
		For Class 54 Rating, Add	*2,892.54*	
		For Class 55 Rating, Add	*4,313.17*	
		For Class 56 Rating, Add	*5,714.68*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,773.52	1,387.85
		For Class 52 Rating, Deduct	*-2,163.78*	
		For Class 54 Rating, Add	*2,975.84*	
		For Class 55 Rating, Add	*4,437.04*	
		For Class 56 Rating, Add	*5,878.57*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,333.30	1,391.02
		For Class 52 Rating, Deduct	*-2,224.83*	
		For Class 54 Rating, Add	*3,059.14*	
		For Class 55 Rating, Add	*4,560.91*	
		For Class 56 Rating, Add	*6,042.45*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,893.06	1,394.20
		For Class 52 Rating, Deduct	*-2,285.87*	
		For Class 54 Rating, Add	*3,142.45*	
		For Class 55 Rating, Add	*4,684.78*	
		For Class 56 Rating, Add	*6,206.34*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,452.84	1,397.37
		For Class 52 Rating, Deduct	*-2,346.92*	
		For Class 54 Rating, Add	*3,225.75*	
		For Class 55 Rating, Add	*4,808.65*	
		For Class 56 Rating, Add	*6,370.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,012.61	1,400.54
		For Class 52 Rating, Deduct	*-2,407.96*	
		For Class 54 Rating, Add	*3,309.05*	
		For Class 55 Rating, Add	*4,932.53*	
		For Class 56 Rating, Add	*6,534.11*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,572.38	1,403.72
		For Class 52 Rating, Deduct	*-2,469.01*	
		For Class 54 Rating, Add	*3,392.35*	
		For Class 55 Rating, Add	*5,056.40*	
		For Class 56 Rating, Add	*6,698.00*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,132.15	1,406.90
		For Class 52 Rating, Deduct	*-2,530.05*	
		For Class 54 Rating, Add	*3,475.65*	
		For Class 55 Rating, Add	*5,180.27*	
		For Class 56 Rating, Add	*6,861.88*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,691.93	1,410.08
		For Class 52 Rating, Deduct	*-2,591.10*	
		For Class 54 Rating, Add	*3,558.96*	
		For Class 55 Rating, Add	*5,304.14*	
		For Class 56 Rating, Add	*7,025.77*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,251.70	1,413.25
		For Class 52 Rating, Deduct	*-2,652.15*	
		For Class 54 Rating, Add	*3,642.26*	
		For Class 55 Rating, Add	*5,428.01*	
		For Class 56 Rating, Add	*7,189.66*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,811.47	1,416.43
		For Class 52 Rating, Deduct	*-2,713.19*	
		For Class 54 Rating, Add	*3,725.56*	
		For Class 55 Rating, Add	*5,551.88*	
		For Class 56 Rating, Add	*7,353.54*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,371.24	1,419.60
		For Class 52 Rating, Deduct	*-2,774.24*	
		For Class 54 Rating, Add	*3,808.86*	
		For Class 55 Rating, Add	*5,675.76*	
		For Class 56 Rating, Add	*7,517.43*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,931.02	1,422.78
		For Class 52 Rating, Deduct	*-2,835.28*	
		For Class 54 Rating, Add	*3,892.16*	
		For Class 55 Rating, Add	*5,799.63*	
		For Class 56 Rating, Add	*7,681.32*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,490.78	1,425.95
		For Class 52 Rating, Deduct	*-2,896.33*	
		For Class 54 Rating, Add	*3,975.46*	
		For Class 55 Rating, Add	*5,923.50*	
		For Class 56 Rating, Add	*7,845.20*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,683.41	1,657.79
		For Class 52 Rating, Deduct	*-898.88*	
		For Class 54 Rating, Add	*1,255.88*	
		For Class 55 Rating, Add	*1,882.55*	
		For Class 56 Rating, Add	*2,501.05*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,443.16	1,660.97
		For Class 52 Rating, Deduct	*-981.92*	
		For Class 54 Rating, Add	*1,369.18*	
		For Class 55 Rating, Add	*2,051.02*	
		For Class 56 Rating, Add	*2,723.93*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,202.89	1,664.15
		For Class 52 Rating, Deduct	*-1,064.96*	
		For Class 54 Rating, Add	*1,482.48*	
		For Class 55 Rating, Add	*2,219.48*	
		For Class 56 Rating, Add	*2,946.80*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,962.63	1,667.32
		For Class 52 Rating, Deduct	*-1,148.00*	
		For Class 54 Rating, Add	*1,595.77*	
		For Class 55 Rating, Add	*2,387.94*	
		For Class 56 Rating, Add	*3,169.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,722.36	1,670.50
		For Class 52 Rating, Deduct	*-1,231.04*	
		For Class 54 Rating, Add	*1,709.07*	
		For Class 55 Rating, Add	*2,556.41*	
		For Class 56 Rating, Add	*3,392.55*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,482.11	1,673.67
		For Class 52 Rating, Deduct	*-1,314.09*	
		For Class 54 Rating, Add	*1,822.37*	
		For Class 55 Rating, Add	*2,724.87*	
		For Class 56 Rating, Add	*3,615.43*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,241.83	1,676.84
		For Class 52 Rating, Deduct	*-1,397.13*	
		For Class 54 Rating, Add	*1,935.66*	
		For Class 55 Rating, Add	*2,693.33*	
		For Class 56 Rating, Add	*3,838.31*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,001.58	1,680.02
		For Class 52 Rating, Deduct	*-1,480.17*	
		For Class 54 Rating, Add	*2,048.96*	
		For Class 55 Rating, Add	*3,061.80*	
		For Class 56 Rating, Add	*4,061.18*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,761.31	1,683.19
		For Class 52 Rating, Deduct	*-1,563.21*	
		For Class 54 Rating, Add	*2,162.26*	
		For Class 55 Rating, Add	*3,230.26*	
		For Class 56 Rating, Add	*4,284.06*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,521.04	1,686.38
		For Class 52 Rating, Deduct	*-1,646.25*	
		For Class 54 Rating, Add	*2,275.55*	
		For Class 55 Rating, Add	*3,398.73*	
		For Class 56 Rating, Add	*4,506.93*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,280.78	1,689.55
		For Class 52 Rating, Deduct	*-1,729.29*	
		For Class 54 Rating, Add	*2,388.85*	
		For Class 55 Rating, Add	*3,567.19*	
		For Class 56 Rating, Add	*4,729.81*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,040.52	1,692.73
		For Class 52 Rating, Deduct	*-1,812.34*	
		For Class 54 Rating, Add	*2,502.14*	
		For Class 55 Rating, Add	*3,735.65*	
		For Class 56 Rating, Add	*4,952.69*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,800.25	1,695.90
		For Class 52 Rating, Deduct	*-1,895.38*	
		For Class 54 Rating, Add	*2,615.44*	
		For Class 55 Rating, Add	*3,904.12*	
		For Class 56 Rating, Add	*5,175.56*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,559.99	1,699.08
		For Class 52 Rating, Deduct	*-1,978.42*	
		For Class 54 Rating, Add	*2,728.74*	
		For Class 55 Rating, Add	*4,072.58*	
		For Class 56 Rating, Add	*5,398.44*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,319.73	1,702.25
		For Class 52 Rating, Deduct	*-2,061.46*	
		For Class 54 Rating, Add	*2,842.03*	
		For Class 55 Rating, Add	*4,241.04*	
		For Class 56 Rating, Add	*5,621.32*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,079.47	1,705.43
		For Class 52 Rating, Deduct	*-2,144.50*	
		For Class 54 Rating, Add	*2,955.33*	
		For Class 55 Rating, Add	*4,409.51*	
		For Class 56 Rating, Add	*5,844.19*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,839.20	1,708.60
		For Class 52 Rating, Deduct	*-2,227.55*	
		For Class 54 Rating, Add	*3,068.63*	
		For Class 55 Rating, Add	*4,577.97*	
		For Class 56 Rating, Add	*6,067.07*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,598.94	1,711.78
		For Class 52 Rating, Deduct	*-2,310.59*	
		For Class 54 Rating, Add	*3,181.92*	
		For Class 55 Rating, Add	*4,746.44*	
		For Class 56 Rating, Add	*6,289.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,358.68	1,714.96
		For Class 52 Rating, Deduct	*-2,393.63*	
		For Class 54 Rating, Add	*3,295.22*	
		For Class 55 Rating, Add	*4,914.90*	
		For Class 56 Rating, Add	*6,512.82*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,118.41	1,718.13
		For Class 52 Rating, Deduct	*-2,476.67*	
		For Class 54 Rating, Add	*3,408.52*	
		For Class 55 Rating, Add	*5,083.36*	
		For Class 56 Rating, Add	*6,735.69*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,878.15	1,721.31
		For Class 52 Rating, Deduct	*-2,559.71*	
		For Class 54 Rating, Add	*3,521.81*	
		For Class 55 Rating, Add	*5,251.83*	
		For Class 56 Rating, Add	*6,958.57*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,637.89	1,724.48
		For Class 52 Rating, Deduct	*-2,642.75*	
		For Class 54 Rating, Add	*3,635.11*	
		For Class 55 Rating, Add	*5,420.29*	
		For Class 56 Rating, Add	*7,181.45*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,397.62	1,727.66
		For Class 52 Rating, Deduct	*-2,725.80*	
		For Class 54 Rating, Add	*3,748.41*	
		For Class 55 Rating, Add	*5,588.75*	
		For Class 56 Rating, Add	*7,404.32*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,157.36	1,730.83
		For Class 52 Rating, Deduct	*-2,808.84*	
		For Class 54 Rating, Add	*3,861.70*	
		For Class 55 Rating, Add	*5,757.22*	
		For Class 56 Rating, Add	*7,627.20*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,917.10	1,734.01
		For Class 52 Rating, Deduct	*-2,891.88*	
		For Class 54 Rating, Add	*3,975.00*	
		For Class 55 Rating, Add	*5,925.68*	
		For Class 56 Rating, Add	*7,850.08*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,676.84	1,737.19
		For Class 52 Rating, Deduct	*-2,974.92*	
		For Class 54 Rating, Add	*4,088.29*	
		For Class 55 Rating, Add	*6,094.15*	
		For Class 56 Rating, Add	*8,072.95*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,436.57	1,740.37
		For Class 52 Rating, Deduct	*-3,057.96*	
		For Class 54 Rating, Add	*4,201.59*	
		For Class 55 Rating, Add	*6,262.61*	
		For Class 56 Rating, Add	*8,295.83*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,196.31	1,743.54
		For Class 52 Rating, Deduct	*-3,141.00*	
		For Class 54 Rating, Add	*4,314.89*	
		For Class 55 Rating, Add	*6,431.07*	
		For Class 56 Rating, Add	*8,518.70*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,956.05	1,746.72
		For Class 52 Rating, Deduct	*-3,224.05*	
		For Class 54 Rating, Add	*4,428.18*	
		For Class 55 Rating, Add	*6,599.54*	
		For Class 56 Rating, Add	*8,741.58*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,715.78	1,749.89
		For Class 52 Rating, Deduct	*-3,307.09*	
		For Class 54 Rating, Add	*4,541.48*	
		For Class 55 Rating, Add	*6,768.00*	
		For Class 56 Rating, Add	*8,964.46*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,475.52	1,753.06
		For Class 52 Rating, Deduct	*-3,390.13*	
		For Class 54 Rating, Add	*4,654.78*	
		For Class 55 Rating, Add	*6,936.47*	
		For Class 56 Rating, Add	*9,187.33*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,235.26	1,756.24
		For Class 52 Rating, Deduct	*-3,473.17*	
		For Class 54 Rating, Add	*4,768.07*	
		For Class 55 Rating, Add	*7,104.93*	
		For Class 56 Rating, Add	*9,410.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,994.99	1,759.41
		For Class 52 Rating, Deduct	*-3,556.21*	
		For Class 54 Rating, Add	*4,881.37*	
		For Class 55 Rating, Add	*7,273.39*	
		For Class 56 Rating, Add	*9,633.09*	
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,754.73	1,762.60
		For Class 52 Rating, Deduct	*-3,639.25*	
		For Class 54 Rating, Add	*4,994.67*	
		For Class 55 Rating, Add	*7,441.86*	
		For Class 56 Rating, Add	*9,855.96*	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,514.46	1,765.77
		For Class 52 Rating, Deduct	*-3,722.30*	
		For Class 54 Rating, Add	*5,107.96*	
		For Class 55 Rating, Add	*7,610.32*	
		For Class 56 Rating, Add	*10,078.83*	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,274.20	1,768.95
		For Class 52 Rating, Deduct	*-3,805.34*	
		For Class 54 Rating, Add	*5,221.26*	
		For Class 55 Rating, Add	*7,778.78*	
		For Class 56 Rating, Add	*10,301.71*	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,033.93	1,772.12
		For Class 52 Rating, Deduct	*-3,888.38*	
		For Class 54 Rating, Add	*5,334.56*	
		For Class 55 Rating, Add	*7,947.25*	
		For Class 56 Rating, Add	*10,524.59*	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,793.68	1,775.30
		For Class 52 Rating, Deduct	*-3,971.42*	
		For Class 54 Rating, Add	*5,447.85*	
		For Class 55 Rating, Add	*8,115.71*	
		For Class 56 Rating, Add	*10,747.46*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	561.11	155.31
		For Class 52 Rating, Deduct	*-35.84*	
		For Class 54 Rating, Add	*51.69*	
		For Class 55 Rating, Add	*78.30*	
		For Class 56 Rating, Add	*104.58*	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	623.64	158.03
		For Class 52 Rating, Deduct	*-42.26*	
		For Class 54 Rating, Add	*60.50*	
		For Class 55 Rating, Add	*91.42*	
		For Class 56 Rating, Add	*121.96*	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	686.17	160.76
		For Class 52 Rating, Deduct	*-48.69*	
		For Class 54 Rating, Add	*69.32*	
		For Class 55 Rating, Add	*104.55*	
		For Class 56 Rating, Add	*139.34*	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	748.70	163.46
		For Class 52 Rating, Deduct	*-55.11*	
		For Class 54 Rating, Add	*78.13*	
		For Class 55 Rating, Add	*117.68*	
		For Class 56 Rating, Add	*156.72*	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	811.24	166.18
		For Class 52 Rating, Deduct	*-61.54*	
		For Class 54 Rating, Add	*86.94*	
		For Class 55 Rating, Add	*130.80*	
		For Class 56 Rating, Add	*174.10*	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	873.77	168.89
		For Class 52 Rating, Deduct	*-67.97*	
		For Class 54 Rating, Add	*95.75*	
		For Class 55 Rating, Add	*143.93*	
		For Class 56 Rating, Add	*191.48*	
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	936.30	171.62
		For Class 52 Rating, Deduct	*-74.39*	
		For Class 54 Rating, Add	*104.56*	
		For Class 55 Rating, Add	*157.05*	
		For Class 56 Rating, Add	*208.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.83	174.33
		For Class 52 Rating, Deduct	*-80.82*	
		For Class 54 Rating, Add	*113.37*	
		For Class 55 Rating, Add	*170.18*	
		For Class 56 Rating, Add	*226.25*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,061.36	177.04
		For Class 52 Rating, Deduct	*-87.24*	
		For Class 54 Rating, Add	*122.19*	
		For Class 55 Rating, Add	*183.30*	
		For Class 56 Rating, Add	*243.63*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.89	179.76
		For Class 52 Rating, Deduct	*-93.67*	
		For Class 54 Rating, Add	*131.00*	
		For Class 55 Rating, Add	*196.43*	
		For Class 56 Rating, Add	*261.01*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.42	182.46
		For Class 52 Rating, Deduct	*-100.09*	
		For Class 54 Rating, Add	*139.81*	
		For Class 55 Rating, Add	*209.55*	
		For Class 56 Rating, Add	*278.39*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.95	185.19
		For Class 52 Rating, Deduct	*-106.52*	
		For Class 54 Rating, Add	*148.62*	
		For Class 55 Rating, Add	*222.68*	
		For Class 56 Rating, Add	*295.77*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.48	187.91
		For Class 52 Rating, Deduct	*-112.95*	
		For Class 54 Rating, Add	*157.43*	
		For Class 55 Rating, Add	*235.81*	
		For Class 56 Rating, Add	*313.15*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.01	190.62
		For Class 52 Rating, Deduct	*-119.37*	
		For Class 54 Rating, Add	*166.25*	
		For Class 55 Rating, Add	*248.93*	
		For Class 56 Rating, Add	*330.53*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.54	193.33
		For Class 52 Rating, Deduct	*-125.80*	
		For Class 54 Rating, Add	*175.06*	
		For Class 55 Rating, Add	*262.06*	
		For Class 56 Rating, Add	*347.91*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,499.07	196.04
		For Class 52 Rating, Deduct	*-132.22*	
		For Class 54 Rating, Add	*183.87*	
		For Class 55 Rating, Add	*275.18*	
		For Class 56 Rating, Add	*365.29*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,561.60	198.77
		For Class 52 Rating, Deduct	*-138.65*	
		For Class 54 Rating, Add	*192.68*	
		For Class 55 Rating, Add	*288.31*	
		For Class 56 Rating, Add	*382.67*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,624.13	201.48
		For Class 52 Rating, Deduct	*-145.08*	
		For Class 54 Rating, Add	*201.49*	
		For Class 55 Rating, Add	*301.43*	
		For Class 56 Rating, Add	*400.06*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,686.67	204.19
		For Class 52 Rating, Deduct	*-151.50*	
		For Class 54 Rating, Add	*210.31*	
		For Class 55 Rating, Add	*314.56*	
		For Class 56 Rating, Add	*417.44*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,749.21	206.91
		For Class 52 Rating, Deduct	*-157.93*	
		For Class 54 Rating, Add	*219.12*	
		For Class 55 Rating, Add	*327.69*	
		For Class 56 Rating, Add	*434.82*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.73	209.63
		For Class 52 Rating, Deduct	*-164.35*	
		For Class 54 Rating, Add	*227.93*	
		For Class 55 Rating, Add	*340.81*	
		For Class 56 Rating, Add	*452.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.27	212.34
		For Class 52 Rating, Deduct	*-170.78*	
		For Class 54 Rating, Add	*236.74*	
		For Class 55 Rating, Add	*353.94*	
		For Class 56 Rating, Add	*469.58*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.80	215.06
		For Class 52 Rating, Deduct	*-177.21*	
		For Class 54 Rating, Add	*245.55*	
		For Class 55 Rating, Add	*367.06*	
		For Class 56 Rating, Add	*486.96*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,999.32	217.77
		For Class 52 Rating, Deduct	*-183.63*	
		For Class 54 Rating, Add	*254.36*	
		For Class 55 Rating, Add	*380.19*	
		For Class 56 Rating, Add	*504.34*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.86	220.48
		For Class 52 Rating, Deduct	*-190.06*	
		For Class 54 Rating, Add	*263.18*	
		For Class 55 Rating, Add	*393.31*	
		For Class 56 Rating, Add	*521.72*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.39	223.20
		For Class 52 Rating, Deduct	*-196.48*	
		For Class 54 Rating, Add	*271.99*	
		For Class 55 Rating, Add	*406.44*	
		For Class 56 Rating, Add	*539.11*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.91	225.92
		For Class 52 Rating, Deduct	*-202.91*	
		For Class 54 Rating, Add	*280.80*	
		For Class 55 Rating, Add	*419.57*	
		For Class 56 Rating, Add	*556.49*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,249.45	228.64
		For Class 52 Rating, Deduct	*-209.33*	
		For Class 54 Rating, Add	*289.61*	
		For Class 55 Rating, Add	*432.69*	
		For Class 56 Rating, Add	*573.87*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,311.98	231.34
		For Class 52 Rating, Deduct	*-215.76*	
		For Class 54 Rating, Add	*298.43*	
		For Class 55 Rating, Add	*445.82*	
		For Class 56 Rating, Add	*591.25*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,374.50	234.06
		For Class 52 Rating, Deduct	*-222.19*	
		For Class 54 Rating, Add	*307.24*	
		For Class 55 Rating, Add	*458.94*	
		For Class 56 Rating, Add	*608.63*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,437.04	236.78
		For Class 52 Rating, Deduct	*-228.61*	
		For Class 54 Rating, Add	*316.05*	
		For Class 55 Rating, Add	*472.07*	
		For Class 56 Rating, Add	*626.01*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.57	239.50
		For Class 52 Rating, Deduct	*-235.04*	
		For Class 54 Rating, Add	*324.86*	
		For Class 55 Rating, Add	*485.19*	
		For Class 56 Rating, Add	*643.39*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,562.10	242.21
		For Class 52 Rating, Deduct	*-241.46*	
		For Class 54 Rating, Add	*333.67*	
		For Class 55 Rating, Add	*498.32*	
		For Class 56 Rating, Add	*660.77*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.64	244.92
		For Class 52 Rating, Deduct	*-247.89*	
		For Class 54 Rating, Add	*342.48*	
		For Class 55 Rating, Add	*511.45*	
		For Class 56 Rating, Add	*678.15*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,687.17	247.64
		For Class 52 Rating, Deduct	*-254.32*	
		For Class 54 Rating, Add	*351.30*	
		For Class 55 Rating, Add	*524.57*	
		For Class 56 Rating, Add	*695.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.69	250.35
		For Class 52 Rating, Deduct	*-260.74*	
		For Class 54 Rating, Add	*360.11*	
		For Class 55 Rating, Add	*537.70*	
		For Class 56 Rating, Add	*712.91*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,812.23	253.07
		For Class 52 Rating, Deduct	*-267.17*	
		For Class 54 Rating, Add	*368.92*	
		For Class 55 Rating, Add	*550.82*	
		For Class 56 Rating, Add	*730.30*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.76	255.79
		For Class 52 Rating, Deduct	*-273.59*	
		For Class 54 Rating, Add	*377.73*	
		For Class 55 Rating, Add	*563.95*	
		For Class 56 Rating, Add	*747.68*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.28	258.51
		For Class 52 Rating, Deduct	*-280.02*	
		For Class 54 Rating, Add	*386.54*	
		For Class 55 Rating, Add	*577.07*	
		For Class 56 Rating, Add	*765.06*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	702.89	195.51
		For Class 52 Rating, Deduct	*-44.73*	
		For Class 54 Rating, Add	*64.56*	
		For Class 55 Rating, Add	*97.80*	
		For Class 56 Rating, Add	*130.63*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.90	198.22
		For Class 52 Rating, Deduct	*-52.64*	
		For Class 54 Rating, Add	*75.39*	
		For Class 55 Rating, Add	*113.93*	
		For Class 56 Rating, Add	*151.99*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	854.92	200.93
		For Class 52 Rating, Deduct	*-60.55*	
		For Class 54 Rating, Add	*86.22*	
		For Class 55 Rating, Add	*130.06*	
		For Class 56 Rating, Add	*173.35*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	930.92	203.66
		For Class 52 Rating, Deduct	*-68.46*	
		For Class 54 Rating, Add	*97.06*	
		For Class 55 Rating, Add	*146.19*	
		For Class 56 Rating, Add	*194.70*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,006.93	206.37
		For Class 52 Rating, Deduct	*-76.37*	
		For Class 54 Rating, Add	*107.89*	
		For Class 55 Rating, Add	*162.32*	
		For Class 56 Rating, Add	*216.06*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,082.96	209.08
		For Class 52 Rating, Deduct	*-84.28*	
		For Class 54 Rating, Add	*118.73*	
		For Class 55 Rating, Add	*178.46*	
		For Class 56 Rating, Add	*237.42*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,158.97	211.79
		For Class 52 Rating, Deduct	*-92.19*	
		For Class 54 Rating, Add	*129.56*	
		For Class 55 Rating, Add	*194.59*	
		For Class 56 Rating, Add	*258.78*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,234.97	214.51
		For Class 52 Rating, Deduct	*-100.09*	
		For Class 54 Rating, Add	*140.39*	
		For Class 55 Rating, Add	*210.72*	
		For Class 56 Rating, Add	*280.14*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.99	217.24
		For Class 52 Rating, Deduct	*-108.00*	
		For Class 54 Rating, Add	*151.23*	
		For Class 55 Rating, Add	*226.85*	
		For Class 56 Rating, Add	*301.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.00	219.94
		For Class 52 Rating, Deduct	*-115.91*	
		For Class 54 Rating, Add	*162.06*	
		For Class 55 Rating, Add	*242.98*	
		For Class 56 Rating, Add	*322.85*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.01	222.66
		For Class 52 Rating, Deduct	*-123.82*	
		For Class 54 Rating, Add	*172.90*	
		For Class 55 Rating, Add	*259.12*	
		For Class 56 Rating, Add	*344.21*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.02	225.37
		For Class 52 Rating, Deduct	*-131.73*	
		For Class 54 Rating, Add	*183.73*	
		For Class 55 Rating, Add	*275.25*	
		For Class 56 Rating, Add	*365.57*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.03	228.08
		For Class 52 Rating, Deduct	*-139.64*	
		For Class 54 Rating, Add	*194.56*	
		For Class 55 Rating, Add	*291.38*	
		For Class 56 Rating, Add	*386.93*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,691.04	230.81
		For Class 52 Rating, Deduct	*-147.55*	
		For Class 54 Rating, Add	*205.40*	
		For Class 55 Rating, Add	*307.51*	
		For Class 56 Rating, Add	*408.28*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,767.06	233.52
		For Class 52 Rating, Deduct	*-155.46*	
		For Class 54 Rating, Add	*216.23*	
		For Class 55 Rating, Add	*323.64*	
		For Class 56 Rating, Add	*429.64*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.06	236.24
		For Class 52 Rating, Deduct	*-163.36*	
		For Class 54 Rating, Add	*227.06*	
		For Class 55 Rating, Add	*339.77*	
		For Class 56 Rating, Add	*451.00*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,919.07	238.94
		For Class 52 Rating, Deduct	*-171.27*	
		For Class 54 Rating, Add	*237.90*	
		For Class 55 Rating, Add	*355.91*	
		For Class 56 Rating, Add	*472.36*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,995.09	241.66
		For Class 52 Rating, Deduct	*-179.18*	
		For Class 54 Rating, Add	*248.73*	
		For Class 55 Rating, Add	*372.04*	
		For Class 56 Rating, Add	*493.72*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,071.10	244.39
		For Class 52 Rating, Deduct	*-187.09*	
		For Class 54 Rating, Add	*259.57*	
		For Class 55 Rating, Add	*388.17*	
		For Class 56 Rating, Add	*515.07*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.11	247.10
		For Class 52 Rating, Deduct	*-195.00*	
		For Class 54 Rating, Add	*270.40*	
		For Class 55 Rating, Add	*404.30*	
		For Class 56 Rating, Add	*536.43*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,223.13	249.81
		For Class 52 Rating, Deduct	*-202.91*	
		For Class 54 Rating, Add	*281.24*	
		For Class 55 Rating, Add	*420.43*	
		For Class 56 Rating, Add	*557.79*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.14	252.53
		For Class 52 Rating, Deduct	*-210.82*	
		For Class 54 Rating, Add	*292.07*	
		For Class 55 Rating, Add	*436.57*	
		For Class 56 Rating, Add	*579.15*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.15	255.25
		For Class 52 Rating, Deduct	*-218.73*	
		For Class 54 Rating, Add	*302.90*	
		For Class 55 Rating, Add	*452.70*	
		For Class 56 Rating, Add	*600.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,451.17	257.96
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*313.74*	
		For Class 55 Rating, Add	*468.83*	
		For Class 56 Rating, Add	*621.87*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.17	260.67
		For Class 52 Rating, Deduct	*-234.54*	
		For Class 54 Rating, Add	*324.57*	
		For Class 55 Rating, Add	*484.96*	
		For Class 56 Rating, Add	*643.22*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,603.18	263.39
		For Class 52 Rating, Deduct	*-242.45*	
		For Class 54 Rating, Add	*335.41*	
		For Class 55 Rating, Add	*501.09*	
		For Class 56 Rating, Add	*664.58*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,679.20	266.11
		For Class 52 Rating, Deduct	*-250.36*	
		For Class 54 Rating, Add	*346.24*	
		For Class 55 Rating, Add	*517.23*	
		For Class 56 Rating, Add	*685.94*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,755.21	268.81
		For Class 52 Rating, Deduct	*-258.27*	
		For Class 54 Rating, Add	*357.07*	
		For Class 55 Rating, Add	*533.36*	
		For Class 56 Rating, Add	*707.30*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,831.21	271.54
		For Class 52 Rating, Deduct	*-266.18*	
		For Class 54 Rating, Add	*367.91*	
		For Class 55 Rating, Add	*549.49*	
		For Class 56 Rating, Add	*728.65*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,907.23	274.25
		For Class 52 Rating, Deduct	*-274.09*	
		For Class 54 Rating, Add	*378.74*	
		For Class 55 Rating, Add	*565.62*	
		For Class 56 Rating, Add	*750.01*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,983.24	276.96
		For Class 52 Rating, Deduct	*-282.00*	
		For Class 54 Rating, Add	*389.58*	
		For Class 55 Rating, Add	*581.75*	
		For Class 56 Rating, Add	*771.37*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,059.26	279.68
		For Class 52 Rating, Deduct	*-289.91*	
		For Class 54 Rating, Add	*400.41*	
		For Class 55 Rating, Add	*597.89*	
		For Class 56 Rating, Add	*792.73*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.26	282.40
		For Class 52 Rating, Deduct	*-297.81*	
		For Class 54 Rating, Add	*411.24*	
		For Class 55 Rating, Add	*614.02*	
		For Class 56 Rating, Add	*814.08*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,211.28	285.12
		For Class 52 Rating, Deduct	*-305.72*	
		For Class 54 Rating, Add	*422.08*	
		For Class 55 Rating, Add	*630.15*	
		For Class 56 Rating, Add	*835.44*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,287.30	287.82
		For Class 52 Rating, Deduct	*-313.63*	
		For Class 54 Rating, Add	*432.91*	
		For Class 55 Rating, Add	*646.28*	
		For Class 56 Rating, Add	*856.80*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.31	290.54
		For Class 52 Rating, Deduct	*-321.54*	
		For Class 54 Rating, Add	*443.75*	
		For Class 55 Rating, Add	*662.41*	
		For Class 56 Rating, Add	*878.16*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.31	293.26
		For Class 52 Rating, Deduct	*-329.45*	
		For Class 54 Rating, Add	*454.58*	
		For Class 55 Rating, Add	*678.54*	
		For Class 56 Rating, Add	*899.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,515.33	295.97
		For Class 52 Rating, Deduct	*-337.36*	
		For Class 54 Rating, Add	*465.41*	
		For Class 55 Rating, Add	*694.68*	
		For Class 56 Rating, Add	*920.87*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,591.34	298.69
		For Class 52 Rating, Deduct	*-345.27*	
		For Class 54 Rating, Add	*476.25*	
		For Class 55 Rating, Add	*710.81*	
		For Class 56 Rating, Add	*942.23*	
40 05 19 00-1109		**8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-1028)*		
40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	969.42	249.81
		For Class 52 Rating, Deduct	*-65.00*	
		For Class 54 Rating, Add	*93.18*	
		For Class 55 Rating, Add	*140.86*	
		For Class 56 Rating, Add	*187.94*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,072.39	252.53
		For Class 52 Rating, Deduct	*-75.87*	
		For Class 54 Rating, Add	*108.06*	
		For Class 55 Rating, Add	*163.00*	
		For Class 56 Rating, Add	*217.26*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,175.36	255.25
		For Class 52 Rating, Deduct	*-86.75*	
		For Class 54 Rating, Add	*122.94*	
		For Class 55 Rating, Add	*185.15*	
		For Class 56 Rating, Add	*246.57*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,278.34	257.96
		For Class 52 Rating, Deduct	*-97.62*	
		For Class 54 Rating, Add	*137.81*	
		For Class 55 Rating, Add	*207.29*	
		For Class 56 Rating, Add	*275.88*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,381.31	260.67
		For Class 52 Rating, Deduct	*-108.50*	
		For Class 54 Rating, Add	*152.69*	
		For Class 55 Rating, Add	*229.44*	
		For Class 56 Rating, Add	*305.19*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,484.27	263.39
		For Class 52 Rating, Deduct	*-119.37*	
		For Class 54 Rating, Add	*167.57*	
		For Class 55 Rating, Add	*251.58*	
		For Class 56 Rating, Add	*334.50*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,587.25	266.11
		For Class 52 Rating, Deduct	*-130.25*	
		For Class 54 Rating, Add	*182.45*	
		For Class 55 Rating, Add	*273.72*	
		For Class 56 Rating, Add	*363.81*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,690.22	268.81
		For Class 52 Rating, Deduct	*-141.12*	
		For Class 54 Rating, Add	*197.33*	
		For Class 55 Rating, Add	*295.87*	
		For Class 56 Rating, Add	*393.12*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,793.19	271.54
		For Class 52 Rating, Deduct	*-152.00*	
		For Class 54 Rating, Add	*212.20*	
		For Class 55 Rating, Add	*318.01*	
		For Class 56 Rating, Add	*422.44*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,896.17	274.25
		For Class 52 Rating, Deduct	*-162.87*	
		For Class 54 Rating, Add	*227.08*	
		For Class 55 Rating, Add	*340.16*	
		For Class 56 Rating, Add	*451.75*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,999.14	276.96
		For Class 52 Rating, Deduct	*-173.75*	
		For Class 54 Rating, Add	*241.96*	
		For Class 55 Rating, Add	*362.30*	
		For Class 56 Rating, Add	*481.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.12	279.68
		For Class 52 Rating, Deduct	*-184.62*	
		For Class 54 Rating, Add	*256.84*	
		For Class 55 Rating, Add	*384.44*	
		For Class 56 Rating, Add	*510.37*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.09	282.40
		For Class 52 Rating, Deduct	*-195.49*	
		For Class 54 Rating, Add	*271.72*	
		For Class 55 Rating, Add	*406.59*	
		For Class 56 Rating, Add	*539.68*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,308.07	285.12
		For Class 52 Rating, Deduct	*-206.37*	
		For Class 54 Rating, Add	*286.60*	
		For Class 55 Rating, Add	*428.73*	
		For Class 56 Rating, Add	*569.00*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,411.05	287.82
		For Class 52 Rating, Deduct	*-217.24*	
		For Class 54 Rating, Add	*301.47*	
		For Class 55 Rating, Add	*450.88*	
		For Class 56 Rating, Add	*598.31*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,514.02	290.54
		For Class 52 Rating, Deduct	*-228.12*	
		For Class 54 Rating, Add	*316.35*	
		For Class 55 Rating, Add	*473.02*	
		For Class 56 Rating, Add	*627.62*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,616.99	293.26
		For Class 52 Rating, Deduct	*-238.99*	
		For Class 54 Rating, Add	*331.23*	
		For Class 55 Rating, Add	*495.17*	
		For Class 56 Rating, Add	*656.93*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,719.96	295.97
		For Class 52 Rating, Deduct	*-249.87*	
		For Class 54 Rating, Add	*346.11*	
		For Class 55 Rating, Add	*517.31*	
		For Class 56 Rating, Add	*686.24*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.93	298.69
		For Class 52 Rating, Deduct	*-260.74*	
		For Class 54 Rating, Add	*360.99*	
		For Class 55 Rating, Add	*539.45*	
		For Class 56 Rating, Add	*715.55*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,925.90	301.40
		For Class 52 Rating, Deduct	*-271.62*	
		For Class 54 Rating, Add	*375.86*	
		For Class 55 Rating, Add	*561.60*	
		For Class 56 Rating, Add	*744.86*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,028.88	304.12
		For Class 52 Rating, Deduct	*-282.49*	
		For Class 54 Rating, Add	*390.74*	
		For Class 55 Rating, Add	*583.74*	
		For Class 56 Rating, Add	*774.17*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,131.85	306.83
		For Class 52 Rating, Deduct	*-293.36*	
		For Class 54 Rating, Add	*405.62*	
		For Class 55 Rating, Add	*605.89*	
		For Class 56 Rating, Add	*803.49*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,234.82	309.55
		For Class 52 Rating, Deduct	*-304.24*	
		For Class 54 Rating, Add	*420.50*	
		For Class 55 Rating, Add	*628.03*	
		For Class 56 Rating, Add	*832.80*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,337.80	312.27
		For Class 52 Rating, Deduct	*-315.11*	
		For Class 54 Rating, Add	*435.38*	
		For Class 55 Rating, Add	*650.18*	
		For Class 56 Rating, Add	*862.11*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,440.77	314.99
		For Class 52 Rating, Deduct	*-325.99*	
		For Class 54 Rating, Add	*450.26*	
		For Class 55 Rating, Add	*672.32*	
		For Class 56 Rating, Add	*891.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,543.74	317.69
		For Class 52 Rating, Deduct	*-336.86*	
		For Class 54 Rating, Add	*465.13*	
		For Class 55 Rating, Add	*694.47*	
		For Class 56 Rating, Add	*920.73*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,646.72	320.41
		For Class 52 Rating, Deduct	*-347.74*	
		For Class 54 Rating, Add	*480.01*	
		For Class 55 Rating, Add	*716.61*	
		For Class 56 Rating, Add	*950.05*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,749.69	323.13
		For Class 52 Rating, Deduct	*-358.61*	
		For Class 54 Rating, Add	*494.89*	
		For Class 55 Rating, Add	*738.75*	
		For Class 56 Rating, Add	*979.36*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,852.67	325.84
		For Class 52 Rating, Deduct	*-369.49*	
		For Class 54 Rating, Add	*509.77*	
		For Class 55 Rating, Add	*760.90*	
		For Class 56 Rating, Add	*1,008.67*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,955.65	328.56
		For Class 52 Rating, Deduct	*-380.36*	
		For Class 54 Rating, Add	*524.65*	
		For Class 55 Rating, Add	*783.04*	
		For Class 56 Rating, Add	*1,037.98*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,058.61	331.27
		For Class 52 Rating, Deduct	*-391.23*	
		For Class 54 Rating, Add	*539.53*	
		For Class 55 Rating, Add	*805.19*	
		For Class 56 Rating, Add	*1,067.29*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.58	334.00
		For Class 52 Rating, Deduct	*-402.11*	
		For Class 54 Rating, Add	*554.40*	
		For Class 55 Rating, Add	*827.33*	
		For Class 56 Rating, Add	*1,096.60*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,264.56	336.70
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*569.28*	
		For Class 55 Rating, Add	*849.48*	
		For Class 56 Rating, Add	*1,125.91*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,367.53	339.42
		For Class 52 Rating, Deduct	*-423.86*	
		For Class 54 Rating, Add	*584.16*	
		For Class 55 Rating, Add	*871.62*	
		For Class 56 Rating, Add	*1,155.23*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,470.50	342.14
		For Class 52 Rating, Deduct	*-434.73*	
		For Class 54 Rating, Add	*599.04*	
		For Class 55 Rating, Add	*893.76*	
		For Class 56 Rating, Add	*1,184.54*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,573.48	344.84
		For Class 52 Rating, Deduct	*-445.61*	
		For Class 54 Rating, Add	*613.92*	
		For Class 55 Rating, Add	*915.91*	
		For Class 56 Rating, Add	*1,213.85*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,676.45	347.56
		For Class 52 Rating, Deduct	*-456.48*	
		For Class 54 Rating, Add	*628.80*	
		For Class 55 Rating, Add	*938.05*	
		For Class 56 Rating, Add	*1,243.16*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,779.42	350.28
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*643.67*	
		For Class 55 Rating, Add	*960.20*	
		For Class 56 Rating, Add	*1,272.47*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,882.40	353.00
		For Class 52 Rating, Deduct	*-478.23*	
		For Class 54 Rating, Add	*658.55*	
		For Class 55 Rating, Add	*982.34*	
		For Class 56 Rating, Add	*1,301.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,222.46	304.12
		For Class 52 Rating, Deduct	*-83.78*	
		For Class 54 Rating, Add	*119.78*	
		For Class 55 Rating, Add	*180.91*	
		For Class 56 Rating, Add	*241.28*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.88	306.83
		For Class 52 Rating, Deduct	*-98.12*	
		For Class 54 Rating, Add	*139.38*	
		For Class 55 Rating, Add	*210.07*	
		For Class 56 Rating, Add	*279.87*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,491.30	309.55
		For Class 52 Rating, Deduct	*-412.45*	
		For Class 54 Rating, Add	*158.97*	
		For Class 55 Rating, Add	*239.23*	
		For Class 56 Rating, Add	*318.46*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,625.74	312.27
		For Class 52 Rating, Deduct	*-126.79*	
		For Class 54 Rating, Add	*178.57*	
		For Class 55 Rating, Add	*268.39*	
		For Class 56 Rating, Add	*357.05*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,760.16	314.99
		For Class 52 Rating, Deduct	*-141.12*	
		For Class 54 Rating, Add	*198.16*	
		For Class 55 Rating, Add	*297.54*	
		For Class 56 Rating, Add	*395.64*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,894.59	317.69
		For Class 52 Rating, Deduct	*-155.46*	
		For Class 54 Rating, Add	*217.76*	
		For Class 55 Rating, Add	*326.70*	
		For Class 56 Rating, Add	*434.23*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,029.02	320.41
		For Class 52 Rating, Deduct	*-169.79*	
		For Class 54 Rating, Add	*237.36*	
		For Class 55 Rating, Add	*355.86*	
		For Class 56 Rating, Add	*472.82*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,163.45	323.13
		For Class 52 Rating, Deduct	*-184.13*	
		For Class 54 Rating, Add	*256.96*	
		For Class 55 Rating, Add	*385.02*	
		For Class 56 Rating, Add	*511.42*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.88	325.84
		For Class 52 Rating, Deduct	*-198.46*	
		For Class 54 Rating, Add	*276.55*	
		For Class 55 Rating, Add	*414.18*	
		For Class 56 Rating, Add	*550.01*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.31	328.56
		For Class 52 Rating, Deduct	*-212.79*	
		For Class 54 Rating, Add	*296.15*	
		For Class 55 Rating, Add	*443.34*	
		For Class 56 Rating, Add	*588.60*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,566.74	331.27
		For Class 52 Rating, Deduct	*-227.13*	
		For Class 54 Rating, Add	*315.74*	
		For Class 55 Rating, Add	*472.50*	
		For Class 56 Rating, Add	*627.19*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,701.16	334.00
		For Class 52 Rating, Deduct	*-241.46*	
		For Class 54 Rating, Add	*335.34*	
		For Class 55 Rating, Add	*501.66*	
		For Class 56 Rating, Add	*665.78*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,835.60	336.70
		For Class 52 Rating, Deduct	*-255.80*	
		For Class 54 Rating, Add	*354.94*	
		For Class 55 Rating, Add	*530.82*	
		For Class 56 Rating, Add	*704.37*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.02	339.42
		For Class 52 Rating, Deduct	*-270.13*	
		For Class 54 Rating, Add	*374.53*	
		For Class 55 Rating, Add	*559.97*	
		For Class 56 Rating, Add	*742.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.45	342.14
		For Class 52 Rating, Deduct	*-284.47*	
		For Class 54 Rating, Add	*394.13*	
		For Class 55 Rating, Add	*589.13*	
		For Class 56 Rating, Add	*781.55*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,238.88	344.84
		For Class 52 Rating, Deduct	*-298.80*	
		For Class 54 Rating, Add	*413.73*	
		For Class 55 Rating, Add	*618.29*	
		For Class 56 Rating, Add	*820.14*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,373.31	347.56
		For Class 52 Rating, Deduct	*-313.14*	
		For Class 54 Rating, Add	*433.32*	
		For Class 55 Rating, Add	*647.45*	
		For Class 56 Rating, Add	*858.73*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,507.73	350.28
		For Class 52 Rating, Deduct	*-327.47*	
		For Class 54 Rating, Add	*452.92*	
		For Class 55 Rating, Add	*676.61*	
		For Class 56 Rating, Add	*897.32*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,642.16	353.00
		For Class 52 Rating, Deduct	*-341.81*	
		For Class 54 Rating, Add	*472.52*	
		For Class 55 Rating, Add	*705.77*	
		For Class 56 Rating, Add	*935.91*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.59	355.71
		For Class 52 Rating, Deduct	*-356.14*	
		For Class 54 Rating, Add	*492.11*	
		For Class 55 Rating, Add	*734.93*	
		For Class 56 Rating, Add	*974.51*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,911.02	358.42
		For Class 52 Rating, Deduct	*-370.47*	
		For Class 54 Rating, Add	*511.71*	
		For Class 55 Rating, Add	*764.09*	
		For Class 56 Rating, Add	*1,013.10*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,045.46	361.15
		For Class 52 Rating, Deduct	*-384.81*	
		For Class 54 Rating, Add	*531.31*	
		For Class 55 Rating, Add	*793.25*	
		For Class 56 Rating, Add	*1,051.69*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,179.88	363.85
		For Class 52 Rating, Deduct	*-399.14*	
		For Class 54 Rating, Add	*550.90*	
		For Class 55 Rating, Add	*822.40*	
		For Class 56 Rating, Add	*1,090.28*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,314.32	366.57
		For Class 52 Rating, Deduct	*-413.48*	
		For Class 54 Rating, Add	*570.50*	
		For Class 55 Rating, Add	*851.56*	
		For Class 56 Rating, Add	*1,128.87*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,448.74	369.29
		For Class 52 Rating, Deduct	*-427.81*	
		For Class 54 Rating, Add	*590.10*	
		For Class 55 Rating, Add	*880.72*	
		For Class 56 Rating, Add	*1,167.46*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,583.17	372.00
		For Class 52 Rating, Deduct	*-442.15*	
		For Class 54 Rating, Add	*609.69*	
		For Class 55 Rating, Add	*909.88*	
		For Class 56 Rating, Add	*1,206.05*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,717.60	374.72
		For Class 52 Rating, Deduct	*-456.48*	
		For Class 54 Rating, Add	*629.29*	
		For Class 55 Rating, Add	*939.04*	
		For Class 56 Rating, Add	*1,244.64*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,852.02	377.43
		For Class 52 Rating, Deduct	*-470.82*	
		For Class 54 Rating, Add	*648.88*	
		For Class 55 Rating, Add	*968.20*	
		For Class 56 Rating, Add	*1,283.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,986.45	380.15
		For Class 52 Rating, Deduct	*-485.15*	
		For Class 54 Rating, Add	*668.48*	
		For Class 55 Rating, Add	*997.36*	
		For Class 56 Rating, Add	*1,321.82*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,120.88	382.87
		For Class 52 Rating, Deduct	*-499.49*	
		For Class 54 Rating, Add	*688.08*	
		For Class 55 Rating, Add	*1,026.52*	
		For Class 56 Rating, Add	*1,360.41*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,255.31	385.57
		For Class 52 Rating, Deduct	*-513.82*	
		For Class 54 Rating, Add	*707.68*	
		For Class 55 Rating, Add	*1,055.68*	
		For Class 56 Rating, Add	*1,399.01*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,389.73	388.30
		For Class 52 Rating, Deduct	*-528.16*	
		For Class 54 Rating, Add	*727.27*	
		For Class 55 Rating, Add	*1,084.83*	
		For Class 56 Rating, Add	*1,437.60*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,524.17	391.02
		For Class 52 Rating, Deduct	*-542.49*	
		For Class 54 Rating, Add	*746.87*	
		For Class 55 Rating, Add	*1,113.99*	
		For Class 56 Rating, Add	*1,476.19*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,658.59	393.72
		For Class 52 Rating, Deduct	*-556.82*	
		For Class 54 Rating, Add	*766.46*	
		For Class 55 Rating, Add	*1,143.15*	
		For Class 56 Rating, Add	*1,514.78*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,793.01	396.44
		For Class 52 Rating, Deduct	*-571.16*	
		For Class 54 Rating, Add	*786.06*	
		For Class 55 Rating, Add	*1,172.31*	
		For Class 56 Rating, Add	*1,553.37*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,927.45	399.15
		For Class 52 Rating, Deduct	*-585.49*	
		For Class 54 Rating, Add	*805.66*	
		For Class 55 Rating, Add	*1,201.47*	
		For Class 56 Rating, Add	*1,591.96*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,061.88	401.88
		For Class 52 Rating, Deduct	*-599.83*	
		For Class 54 Rating, Add	*825.25*	
		For Class 55 Rating, Add	*1,230.63*	
		For Class 56 Rating, Add	*1,630.55*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,196.31	404.58
		For Class 52 Rating, Deduct	*-614.16*	
		For Class 54 Rating, Add	*844.85*	
		For Class 55 Rating, Add	*1,259.79*	
		For Class 56 Rating, Add	*1,669.14*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,330.74	407.30
		For Class 52 Rating, Deduct	*-628.50*	
		For Class 54 Rating, Add	*864.45*	
		For Class 55 Rating, Add	*1,288.95*	
		For Class 56 Rating, Add	*1,707.73*	
40 05 19 00-1189		12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,591.53	380.15
		For Class 52 Rating, Deduct	*-111.71*	
		For Class 54 Rating, Add	*159.24*	
		For Class 55 Rating, Add	*240.29*	
		For Class 56 Rating, Add	*320.32*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,759.67	382.87
		For Class 52 Rating, Deduct	*-129.75*	
		For Class 54 Rating, Add	*183.90*	
		For Class 55 Rating, Add	*276.97*	
		For Class 56 Rating, Add	*368.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.80	385.57
		For Class 52 Rating, Deduct	*-147.79*	
		For Class 54 Rating, Add	*208.55*	
		For Class 55 Rating, Add	*313.64*	
		For Class 56 Rating, Add	*417.39*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,095.92	388.30
		For Class 52 Rating, Deduct	*-165.84*	
		For Class 54 Rating, Add	*233.20*	
		For Class 55 Rating, Add	*350.31*	
		For Class 56 Rating, Add	*465.92*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,264.06	391.02
		For Class 52 Rating, Deduct	*-183.88*	
		For Class 54 Rating, Add	*257.85*	
		For Class 55 Rating, Add	*386.99*	
		For Class 56 Rating, Add	*514.46*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.19	393.72
		For Class 52 Rating, Deduct	*-201.92*	
		For Class 54 Rating, Add	*282.50*	
		For Class 55 Rating, Add	*423.66*	
		For Class 56 Rating, Add	*562.99*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.31	396.44
		For Class 52 Rating, Deduct	*-219.96*	
		For Class 54 Rating, Add	*307.16*	
		For Class 55 Rating, Add	*460.34*	
		For Class 56 Rating, Add	*611.52*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,768.45	399.15
		For Class 52 Rating, Deduct	*-238.00*	
		For Class 54 Rating, Add	*331.81*	
		For Class 55 Rating, Add	*497.01*	
		For Class 56 Rating, Add	*660.05*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,936.58	401.88
		For Class 52 Rating, Deduct	*-256.04*	
		For Class 54 Rating, Add	*356.46*	
		For Class 55 Rating, Add	*533.69*	
		For Class 56 Rating, Add	*708.59*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.71	404.58
		For Class 52 Rating, Deduct	*-274.09*	
		For Class 54 Rating, Add	*381.11*	
		For Class 55 Rating, Add	*570.36*	
		For Class 56 Rating, Add	*757.12*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,272.85	407.30
		For Class 52 Rating, Deduct	*-292.13*	
		For Class 54 Rating, Add	*405.76*	
		For Class 55 Rating, Add	*607.04*	
		For Class 56 Rating, Add	*805.65*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,440.97	410.02
		For Class 52 Rating, Deduct	*-310.17*	
		For Class 54 Rating, Add	*430.41*	
		For Class 55 Rating, Add	*643.71*	
		For Class 56 Rating, Add	*854.18*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,609.10	412.72
		For Class 52 Rating, Deduct	*-328.21*	
		For Class 54 Rating, Add	*455.07*	
		For Class 55 Rating, Add	*680.38*	
		For Class 56 Rating, Add	*902.72*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,777.24	415.45
		For Class 52 Rating, Deduct	*-346.25*	
		For Class 54 Rating, Add	*479.72*	
		For Class 55 Rating, Add	*717.06*	
		For Class 56 Rating, Add	*951.25*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,945.36	418.17
		For Class 52 Rating, Deduct	*-364.30*	
		For Class 54 Rating, Add	*504.37*	
		For Class 55 Rating, Add	*753.73*	
		For Class 56 Rating, Add	*999.78*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,113.49	420.88
		For Class 52 Rating, Deduct	*-382.34*	
		For Class 54 Rating, Add	*529.02*	
		For Class 55 Rating, Add	*790.41*	
		For Class 56 Rating, Add	*1,048.32*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,281.63	423.59
		For Class 52 Rating, Deduct	*-400.38*	
		For Class 54 Rating, Add	*553.67*	
		For Class 55 Rating, Add	*827.08*	
		For Class 56 Rating, Add	*1,096.85*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,449.75	426.31
		For Class 52 Rating, Deduct	*-418.42*	
		For Class 54 Rating, Add	*578.33*	
		For Class 55 Rating, Add	*863.76*	
		For Class 56 Rating, Add	*1,145.38*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,617.88	429.03
		For Class 52 Rating, Deduct	*-436.46*	
		For Class 54 Rating, Add	*602.98*	
		For Class 55 Rating, Add	*900.43*	
		For Class 56 Rating, Add	*1,193.92*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.02	431.74
		For Class 52 Rating, Deduct	*-454.51*	
		For Class 54 Rating, Add	*627.63*	
		For Class 55 Rating, Add	*937.11*	
		For Class 56 Rating, Add	*1,242.45*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,954.14	434.45
		For Class 52 Rating, Deduct	*-472.55*	
		For Class 54 Rating, Add	*652.28*	
		For Class 55 Rating, Add	*973.78*	
		For Class 56 Rating, Add	*1,290.98*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,122.29	437.17
		For Class 52 Rating, Deduct	*-490.59*	
		For Class 54 Rating, Add	*676.93*	
		For Class 55 Rating, Add	*1,010.46*	
		For Class 56 Rating, Add	*1,339.52*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,290.41	439.89
		For Class 52 Rating, Deduct	*-508.63*	
		For Class 54 Rating, Add	*701.58*	
		For Class 55 Rating, Add	*1,047.13*	
		For Class 56 Rating, Add	*1,388.05*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,458.54	442.60
		For Class 52 Rating, Deduct	*-526.67*	
		For Class 54 Rating, Add	*726.24*	
		For Class 55 Rating, Add	*1,083.80*	
		For Class 56 Rating, Add	*1,436.58*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,626.68	445.32
		For Class 52 Rating, Deduct	*-544.71*	
		For Class 54 Rating, Add	*750.89*	
		For Class 55 Rating, Add	*1,120.48*	
		For Class 56 Rating, Add	*1,485.12*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,794.80	448.03
		For Class 52 Rating, Deduct	*-562.76*	
		For Class 54 Rating, Add	*775.54*	
		For Class 55 Rating, Add	*1,157.15*	
		For Class 56 Rating, Add	*1,533.65*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,962.93	450.75
		For Class 52 Rating, Deduct	*-580.80*	
		For Class 54 Rating, Add	*800.19*	
		For Class 55 Rating, Add	*1,193.83*	
		For Class 56 Rating, Add	*1,582.18*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,131.07	453.46
		For Class 52 Rating, Deduct	*-598.84*	
		For Class 54 Rating, Add	*824.84*	
		For Class 55 Rating, Add	*1,230.50*	
		For Class 56 Rating, Add	*1,630.71*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,299.19	456.18
		For Class 52 Rating, Deduct	*-616.88*	
		For Class 54 Rating, Add	*849.50*	
		For Class 55 Rating, Add	*1,267.17*	
		For Class 56 Rating, Add	*1,679.25*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,467.32	458.90
		For Class 52 Rating, Deduct	*-634.92*	
		For Class 54 Rating, Add	*874.15*	
		For Class 55 Rating, Add	*1,303.85*	
		For Class 56 Rating, Add	*1,727.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,635.46	461.60
		For Class 52 Rating, Deduct	*-652.97*	
		For Class 54 Rating, Add	*898.80*	
		For Class 55 Rating, Add	*1,340.52*	
		For Class 56 Rating, Add	*1,776.31*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,803.58	464.32
		For Class 52 Rating, Deduct	*-671.01*	
		For Class 54 Rating, Add	*923.45*	
		For Class 55 Rating, Add	*1,377.20*	
		For Class 56 Rating, Add	*1,824.84*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,971.71	467.05
		For Class 52 Rating, Deduct	*-689.05*	
		For Class 54 Rating, Add	*948.10*	
		For Class 55 Rating, Add	*1,413.87*	
		For Class 56 Rating, Add	*1,878.38*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,139.84	469.76
		For Class 52 Rating, Deduct	*-707.09*	
		For Class 54 Rating, Add	*972.75*	
		For Class 55 Rating, Add	*1,450.55*	
		For Class 56 Rating, Add	*1,921.91*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,307.97	472.47
		For Class 52 Rating, Deduct	*-725.13*	
		For Class 54 Rating, Add	*997.41*	
		For Class 55 Rating, Add	*1,487.22*	
		For Class 56 Rating, Add	*1,970.44*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,476.10	475.18
		For Class 52 Rating, Deduct	*-743.17*	
		For Class 54 Rating, Add	*1,022.06*	
		For Class 55 Rating, Add	*1,523.90*	
		For Class 56 Rating, Add	*2,018.98*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,644.24	477.90
		For Class 52 Rating, Deduct	*-761.22*	
		For Class 54 Rating, Add	*1,046.71*	
		For Class 55 Rating, Add	*1,560.57*	
		For Class 56 Rating, Add	*2,067.51*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,812.37	480.61
		For Class 52 Rating, Deduct	*-779.26*	
		For Class 54 Rating, Add	*1,071.36*	
		For Class 55 Rating, Add	*1,597.24*	
		For Class 56 Rating, Add	*2,116.04*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,980.50	483.33
		For Class 52 Rating, Deduct	*-797.30*	
		For Class 54 Rating, Add	*1,096.01*	
		For Class 55 Rating, Add	*1,633.92*	
		For Class 56 Rating, Add	*2,164.58*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.37	456.18
		For Class 52 Rating, Deduct	*-159.41*	
		For Class 54 Rating, Add	*225.67*	
		For Class 55 Rating, Add	*339.76*	
		For Class 56 Rating, Add	*452.39*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,344.44	458.90
		For Class 52 Rating, Deduct	*-181.41*	
		For Class 54 Rating, Add	*255.72*	
		For Class 55 Rating, Add	*384.45*	
		For Class 56 Rating, Add	*511.53*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,548.53	461.60
		For Class 52 Rating, Deduct	*-203.40*	
		For Class 54 Rating, Add	*285.76*	
		For Class 55 Rating, Add	*429.14*	
		For Class 56 Rating, Add	*570.67*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.60	464.32
		For Class 52 Rating, Deduct	*-225.40*	
		For Class 54 Rating, Add	*315.80*	
		For Class 55 Rating, Add	*473.83*	
		For Class 56 Rating, Add	*629.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,956.68	467.05
		For Class 52 Rating, Deduct	*-247.40*	
		For Class 54 Rating, Add	*345.85*	
		For Class 55 Rating, Add	*518.52*	
		For Class 56 Rating, Add	*688.94*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,160.76	469.76
		For Class 52 Rating, Deduct	*-269.39*	
		For Class 54 Rating, Add	*375.89*	
		For Class 55 Rating, Add	*563.21*	
		For Class 56 Rating, Add	*748.08*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,364.84	472.47
		For Class 52 Rating, Deduct	*-291.39*	
		For Class 54 Rating, Add	*405.94*	
		For Class 55 Rating, Add	*607.90*	
		For Class 56 Rating, Add	*807.22*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.91	475.18
		For Class 52 Rating, Deduct	*-313.38*	
		For Class 54 Rating, Add	*435.98*	
		For Class 55 Rating, Add	*652.59*	
		For Class 56 Rating, Add	*866.36*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.01	477.90
		For Class 52 Rating, Deduct	*-335.38*	
		For Class 54 Rating, Add	*466.03*	
		For Class 55 Rating, Add	*697.29*	
		For Class 56 Rating, Add	*925.50*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,977.08	480.61
		For Class 52 Rating, Deduct	*-357.38*	
		For Class 54 Rating, Add	*496.07*	
		For Class 55 Rating, Add	*741.98*	
		For Class 56 Rating, Add	*984.63*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,181.16	483.33
		For Class 52 Rating, Deduct	*-379.37*	
		For Class 54 Rating, Add	*526.11*	
		For Class 55 Rating, Add	*786.67*	
		For Class 56 Rating, Add	*1,043.77*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,385.24	486.05
		For Class 52 Rating, Deduct	*-401.37*	
		For Class 54 Rating, Add	*556.16*	
		For Class 55 Rating, Add	*831.36*	
		For Class 56 Rating, Add	*1,102.91*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,589.32	488.76
		For Class 52 Rating, Deduct	*-423.36*	
		For Class 54 Rating, Add	*586.20*	
		For Class 55 Rating, Add	*876.05*	
		For Class 56 Rating, Add	*1,162.05*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,793.39	491.47
		For Class 52 Rating, Deduct	*-445.36*	
		For Class 54 Rating, Add	*616.25*	
		For Class 55 Rating, Add	*920.74*	
		For Class 56 Rating, Add	*1,221.18*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.48	494.20
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*646.29*	
		For Class 55 Rating, Add	*965.43*	
		For Class 56 Rating, Add	*1,280.32*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,201.55	496.91
		For Class 52 Rating, Deduct	*-489.35*	
		For Class 54 Rating, Add	*676.33*	
		For Class 55 Rating, Add	*1,010.12*	
		For Class 56 Rating, Add	*1,339.46*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,405.63	499.62
		For Class 52 Rating, Deduct	*-511.35*	
		For Class 54 Rating, Add	*706.38*	
		For Class 55 Rating, Add	*1,054.81*	
		For Class 56 Rating, Add	*1,398.60*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,609.71	502.33
		For Class 52 Rating, Deduct	*-533.34*	
		For Class 54 Rating, Add	*736.42*	
		For Class 55 Rating, Add	*1,099.50*	
		For Class 56 Rating, Add	*1,457.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,813.79	505.06
		For Class 52 Rating, Deduct	*-555.34*	
		For Class 54 Rating, Add	*766.47*	
		For Class 55 Rating, Add	*1,144.19*	
		For Class 56 Rating, Add	*1,516.87*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,017.86	507.78
		For Class 52 Rating, Deduct	*-577.34*	
		For Class 54 Rating, Add	*796.51*	
		For Class 55 Rating, Add	*1,188.88*	
		For Class 56 Rating, Add	*1,576.01*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,221.95	510.48
		For Class 52 Rating, Deduct	*-599.33*	
		For Class 54 Rating, Add	*826.56*	
		For Class 55 Rating, Add	*1,233.58*	
		For Class 56 Rating, Add	*1,635.15*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,426.04	513.20
		For Class 52 Rating, Deduct	*-621.33*	
		For Class 54 Rating, Add	*856.60*	
		For Class 55 Rating, Add	*1,278.27*	
		For Class 56 Rating, Add	*1,694.29*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,630.12	515.91
		For Class 52 Rating, Deduct	*-643.33*	
		For Class 54 Rating, Add	*886.64*	
		For Class 55 Rating, Add	*1,322.96*	
		For Class 56 Rating, Add	*1,753.43*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,834.20	518.64
		For Class 52 Rating, Deduct	*-665.32*	
		For Class 54 Rating, Add	*916.69*	
		For Class 55 Rating, Add	*1,367.65*	
		For Class 56 Rating, Add	*1,812.56*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,038.27	521.35
		For Class 52 Rating, Deduct	*-687.32*	
		For Class 54 Rating, Add	*946.73*	
		For Class 55 Rating, Add	*1,412.34*	
		For Class 56 Rating, Add	*1,871.70*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,242.36	524.06
		For Class 52 Rating, Deduct	*-709.32*	
		For Class 54 Rating, Add	*976.78*	
		For Class 55 Rating, Add	*1,457.03*	
		For Class 56 Rating, Add	*1,930.84*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,446.43	526.78
		For Class 52 Rating, Deduct	*-731.31*	
		For Class 54 Rating, Add	*1,006.82*	
		For Class 55 Rating, Add	*1,501.72*	
		For Class 56 Rating, Add	*1,989.98*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,650.51	529.48
		For Class 52 Rating, Deduct	*-753.31*	
		For Class 54 Rating, Add	*1,036.86*	
		For Class 55 Rating, Add	*1,546.41*	
		For Class 56 Rating, Add	*2,049.12*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,854.59	532.21
		For Class 52 Rating, Deduct	*-775.30*	
		For Class 54 Rating, Add	*1,066.91*	
		For Class 55 Rating, Add	*1,591.10*	
		For Class 56 Rating, Add	*2,108.25*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,058.67	534.93
		For Class 52 Rating, Deduct	*-797.30*	
		For Class 54 Rating, Add	*1,096.95*	
		For Class 55 Rating, Add	*1,635.80*	
		For Class 56 Rating, Add	*2,167.39*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,262.74	537.64
		For Class 52 Rating, Deduct	*-819.30*	
		For Class 54 Rating, Add	*1,127.00*	
		For Class 55 Rating, Add	*1,680.49*	
		For Class 56 Rating, Add	*2,226.53*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,466.83	540.35
		For Class 52 Rating, Deduct	*-841.29*	
		For Class 54 Rating, Add	*1,157.04*	
		For Class 55 Rating, Add	*1,725.18*	
		For Class 56 Rating, Add	*2,285.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,670.90	543.07
		For Class 52 Rating, Deduct	*-863.29*	
		For Class 54 Rating, Add	*1,187.08*	
		For Class 55 Rating, Add	*1,769.87*	
		For Class 56 Rating, Add	*2,344.80*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,874.98	545.79
		For Class 52 Rating, Deduct	*-885.28*	
		For Class 54 Rating, Add	*1,217.13*	
		For Class 55 Rating, Add	*1,814.56*	
		For Class 56 Rating, Add	*2,403.94*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,079.06	548.50
		For Class 52 Rating, Deduct	*-907.28*	
		For Class 54 Rating, Add	*1,247.17*	
		For Class 55 Rating, Add	*1,859.25*	
		For Class 56 Rating, Add	*2,463.08*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,283.14	551.21
		For Class 52 Rating, Deduct	*-929.28*	
		For Class 54 Rating, Add	*1,277.22*	
		For Class 55 Rating, Add	*1,903.94*	
		For Class 56 Rating, Add	*2,522.22*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,487.22	553.93
		For Class 52 Rating, Deduct	*-951.27*	
		For Class 54 Rating, Add	*1,307.26*	
		For Class 55 Rating, Add	*1,948.63*	
		For Class 56 Rating, Add	*2,581.35*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,691.31	556.65
		For Class 52 Rating, Deduct	*-973.27*	
		For Class 54 Rating, Add	*1,337.31*	
		For Class 55 Rating, Add	*1,993.32*	
		For Class 56 Rating, Add	*2,640.49*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.23	521.35
		For Class 52 Rating, Deduct	*-188.57*	
		For Class 54 Rating, Add	*266.63*	
		For Class 55 Rating, Add	*401.25*	
		For Class 56 Rating, Add	*534.16*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,742.02	524.06
		For Class 52 Rating, Deduct	*-214.28*	
		For Class 54 Rating, Add	*301.73*	
		For Class 55 Rating, Add	*453.46*	
		For Class 56 Rating, Add	*603.24*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,979.79	526.78
		For Class 52 Rating, Deduct	*-239.98*	
		For Class 54 Rating, Add	*336.82*	
		For Class 55 Rating, Add	*505.66*	
		For Class 56 Rating, Add	*672.32*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,217.57	529.48
		For Class 52 Rating, Deduct	*-265.68*	
		For Class 54 Rating, Add	*371.92*	
		For Class 55 Rating, Add	*557.87*	
		For Class 56 Rating, Add	*741.40*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,455.36	532.21
		For Class 52 Rating, Deduct	*-291.39*	
		For Class 54 Rating, Add	*407.02*	
		For Class 55 Rating, Add	*610.08*	
		For Class 56 Rating, Add	*810.48*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.13	534.93
		For Class 52 Rating, Deduct	*-317.09*	
		For Class 54 Rating, Add	*442.12*	
		For Class 55 Rating, Add	*662.28*	
		For Class 56 Rating, Add	*879.56*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,930.91	537.64
		For Class 52 Rating, Deduct	*-342.79*	
		For Class 54 Rating, Add	*477.22*	
		For Class 55 Rating, Add	*714.49*	
		For Class 56 Rating, Add	*948.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,168.70	540.35
		For Class 52 Rating, Deduct	*-368.50*	
		For Class 54 Rating, Add	*512.32*	
		For Class 55 Rating, Add	*766.69*	
		For Class 56 Rating, Add	*1,017.72*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,406.48	543.07
		For Class 52 Rating, Deduct	*-394.20*	
		For Class 54 Rating, Add	*547.42*	
		For Class 55 Rating, Add	*818.90*	
		For Class 56 Rating, Add	*1,086.80*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,644.25	545.79
		For Class 52 Rating, Deduct	*-419.90*	
		For Class 54 Rating, Add	*582.52*	
		For Class 55 Rating, Add	*871.11*	
		For Class 56 Rating, Add	*1,155.88*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,882.04	548.50
		For Class 52 Rating, Deduct	*-445.61*	
		For Class 54 Rating, Add	*617.62*	
		For Class 55 Rating, Add	*923.31*	
		For Class 56 Rating, Add	*1,224.96*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,119.82	551.21
		For Class 52 Rating, Deduct	*-471.31*	
		For Class 54 Rating, Add	*652.72*	
		For Class 55 Rating, Add	*975.52*	
		For Class 56 Rating, Add	*1,294.04*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,357.60	553.93
		For Class 52 Rating, Deduct	*-497.01*	
		For Class 54 Rating, Add	*687.82*	
		For Class 55 Rating, Add	*1,027.73*	
		For Class 56 Rating, Add	*1,363.12*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,595.39	556.65
		For Class 52 Rating, Deduct	*-522.72*	
		For Class 54 Rating, Add	*722.92*	
		For Class 55 Rating, Add	*1,079.93*	
		For Class 56 Rating, Add	*1,432.20*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,833.17	559.36
		For Class 52 Rating, Deduct	*-548.42*	
		For Class 54 Rating, Add	*758.02*	
		For Class 55 Rating, Add	*1,132.14*	
		For Class 56 Rating, Add	*1,501.28*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,070.95	562.08
		For Class 52 Rating, Deduct	*-574.13*	
		For Class 54 Rating, Add	*793.12*	
		For Class 55 Rating, Add	*1,184.35*	
		For Class 56 Rating, Add	*1,570.36*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,308.73	564.79
		For Class 52 Rating, Deduct	*-599.83*	
		For Class 54 Rating, Add	*828.22*	
		For Class 55 Rating, Add	*1,236.55*	
		For Class 56 Rating, Add	*1,639.44*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,546.51	567.50
		For Class 52 Rating, Deduct	*-625.53*	
		For Class 54 Rating, Add	*863.32*	
		For Class 55 Rating, Add	*1,288.76*	
		For Class 56 Rating, Add	*1,708.52*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,784.29	570.22
		For Class 52 Rating, Deduct	*-651.24*	
		For Class 54 Rating, Add	*898.42*	
		For Class 55 Rating, Add	*1,340.97*	
		For Class 56 Rating, Add	*1,777.60*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,022.08	572.94
		For Class 52 Rating, Deduct	*-676.94*	
		For Class 54 Rating, Add	*933.52*	
		For Class 55 Rating, Add	*1,393.17*	
		For Class 56 Rating, Add	*1,846.68*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,259.85	575.66
		For Class 52 Rating, Deduct	*-702.64*	
		For Class 54 Rating, Add	*968.61*	
		For Class 55 Rating, Add	*1,445.38*	
		For Class 56 Rating, Add	*1,915.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,497.63	578.36
		For Class 52 Rating, Deduct	*-728.35*	
		For Class 54 Rating, Add	*1,003.71*	
		For Class 55 Rating, Add	*1,497.59*	
		For Class 56 Rating, Add	*1,984.84*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,735.42	581.08
		For Class 52 Rating, Deduct	*-754.05*	
		For Class 54 Rating, Add	*1,038.81*	
		For Class 55 Rating, Add	*1,549.79*	
		For Class 56 Rating, Add	*2,053.92*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,973.19	583.81
		For Class 52 Rating, Deduct	*-779.75*	
		For Class 54 Rating, Add	*1,073.91*	
		For Class 55 Rating, Add	*1,602.00*	
		For Class 56 Rating, Add	*2,123.00*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,210.97	586.52
		For Class 52 Rating, Deduct	*-805.46*	
		For Class 54 Rating, Add	*1,109.01*	
		For Class 55 Rating, Add	*1,654.20*	
		For Class 56 Rating, Add	*2,192.08*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,448.77	589.23
		For Class 52 Rating, Deduct	*-831.16*	
		For Class 54 Rating, Add	*1,144.11*	
		For Class 55 Rating, Add	*1,706.41*	
		For Class 56 Rating, Add	*2,261.16*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,686.55	591.94
		For Class 52 Rating, Deduct	*-856.86*	
		For Class 54 Rating, Add	*1,179.21*	
		For Class 55 Rating, Add	*1,758.62*	
		For Class 56 Rating, Add	*2,330.24*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,924.33	594.66
		For Class 52 Rating, Deduct	*-882.57*	
		For Class 54 Rating, Add	*1,214.31*	
		For Class 55 Rating, Add	*1,810.82*	
		For Class 56 Rating, Add	*2,399.32*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,162.11	597.38
		For Class 52 Rating, Deduct	*-908.27*	
		For Class 54 Rating, Add	*1,249.41*	
		For Class 55 Rating, Add	*1,863.03*	
		For Class 56 Rating, Add	*2,468.40*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,399.89	600.09
		For Class 52 Rating, Deduct	*-933.97*	
		For Class 54 Rating, Add	*1,284.51*	
		For Class 55 Rating, Add	*1,915.24*	
		For Class 56 Rating, Add	*2,537.48*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,637.67	602.81
		For Class 52 Rating, Deduct	*-959.68*	
		For Class 54 Rating, Add	*1,319.61*	
		For Class 55 Rating, Add	*1,967.44*	
		For Class 56 Rating, Add	*2,606.56*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,875.45	605.53
		For Class 52 Rating, Deduct	*-985.38*	
		For Class 54 Rating, Add	*1,354.71*	
		For Class 55 Rating, Add	*2,019.65*	
		For Class 56 Rating, Add	*2,675.64*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,113.23	608.23
		For Class 52 Rating, Deduct	*-1,011.08*	
		For Class 54 Rating, Add	*1,389.81*	
		For Class 55 Rating, Add	*2,071.86*	
		For Class 56 Rating, Add	*2,744.72*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,351.02	610.96
		For Class 52 Rating, Deduct	*-1,036.79*	
		For Class 54 Rating, Add	*1,424.91*	
		For Class 55 Rating, Add	*2,124.07*	
		For Class 56 Rating, Add	*2,813.80*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,588.79	613.67
		For Class 52 Rating, Deduct	*-1,062.49*	
		For Class 54 Rating, Add	*1,460.01*	
		For Class 55 Rating, Add	*2,176.27*	
		For Class 56 Rating, Add	*2,882.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,826.57	616.38
		For Class 52 Rating, Deduct	*-1,088.19*	
		For Class 54 Rating, Add	*1,495.11*	
		For Class 55 Rating, Add	*2,228.48*	
		For Class 56 Rating, Add	*2,951.96*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,064.36	619.10
		For Class 52 Rating, Deduct	*-1,113.90*	
		For Class 54 Rating, Add	*1,530.21*	
		For Class 55 Rating, Add	*2,280.68*	
		For Class 56 Rating, Add	*3,021.04*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,302.13	621.81
		For Class 52 Rating, Deduct	*-1,139.60*	
		For Class 54 Rating, Add	*1,565.30*	
		For Class 55 Rating, Add	*2,332.89*	
		For Class 56 Rating, Add	*3,090.11*	
40 05 19 00-1307		18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.20	587.61
		For Class 52 Rating, Deduct	*-221.20*	
		For Class 54 Rating, Add	*312.32*	
		For Class 55 Rating, Add	*469.80*	
		For Class 56 Rating, Add	*625.26*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,174.92	590.32
		For Class 52 Rating, Deduct	*-250.86*	
		For Class 54 Rating, Add	*352.81*	
		For Class 55 Rating, Add	*530.02*	
		For Class 56 Rating, Add	*704.95*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,448.66	593.03
		For Class 52 Rating, Deduct	*-280.51*	
		For Class 54 Rating, Add	*393.30*	
		For Class 55 Rating, Add	*590.24*	
		For Class 56 Rating, Add	*784.63*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,722.38	595.74
		For Class 52 Rating, Deduct	*-310.17*	
		For Class 54 Rating, Add	*433.79*	
		For Class 55 Rating, Add	*650.46*	
		For Class 56 Rating, Add	*864.32*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.11	598.46
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*474.28*	
		For Class 55 Rating, Add	*710.69*	
		For Class 56 Rating, Add	*944.00*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,269.85	601.18
		For Class 52 Rating, Deduct	*-369.49*	
		For Class 54 Rating, Add	*514.78*	
		For Class 55 Rating, Add	*770.91*	
		For Class 56 Rating, Add	*1,023.69*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,543.57	603.89
		For Class 52 Rating, Deduct	*-399.14*	
		For Class 54 Rating, Add	*555.27*	
		For Class 55 Rating, Add	*831.13*	
		For Class 56 Rating, Add	*1,103.37*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,817.30	606.61
		For Class 52 Rating, Deduct	*-428.80*	
		For Class 54 Rating, Add	*595.76*	
		For Class 55 Rating, Add	*891.36*	
		For Class 56 Rating, Add	*1,183.06*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,091.03	609.33
		For Class 52 Rating, Deduct	*-458.46*	
		For Class 54 Rating, Add	*636.25*	
		For Class 55 Rating, Add	*951.58*	
		For Class 56 Rating, Add	*1,262.74*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,364.77	612.03
		For Class 52 Rating, Deduct	*-488.12*	
		For Class 54 Rating, Add	*676.74*	
		For Class 55 Rating, Add	*1,011.80*	
		For Class 56 Rating, Add	*1,342.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,638.50	614.76
		For Class 52 Rating, Deduct	*-517.78*	
		For Class 54 Rating, Add	*717.23*	
		For Class 55 Rating, Add	*1,072.03*	
		For Class 56 Rating, Add	*1,422.11*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,912.23	617.47
		For Class 52 Rating, Deduct	*-547.43*	
		For Class 54 Rating, Add	*757.73*	
		For Class 55 Rating, Add	*1,132.25*	
		For Class 56 Rating, Add	*1,501.80*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,185.96	620.18
		For Class 52 Rating, Deduct	*-577.09*	
		For Class 54 Rating, Add	*798.22*	
		For Class 55 Rating, Add	*1,192.47*	
		For Class 56 Rating, Add	*1,581.48*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,459.68	622.90
		For Class 52 Rating, Deduct	*-606.75*	
		For Class 54 Rating, Add	*838.71*	
		For Class 55 Rating, Add	*1,252.69*	
		For Class 56 Rating, Add	*1,661.16*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,733.42	625.62
		For Class 52 Rating, Deduct	*-636.41*	
		For Class 54 Rating, Add	*879.20*	
		For Class 55 Rating, Add	*1,312.92*	
		For Class 56 Rating, Add	*1,740.85*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,007.15	628.34
		For Class 52 Rating, Deduct	*-666.06*	
		For Class 54 Rating, Add	*919.69*	
		For Class 55 Rating, Add	*1,373.14*	
		For Class 56 Rating, Add	*1,820.54*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,280.87	631.04
		For Class 52 Rating, Deduct	*-695.72*	
		For Class 54 Rating, Add	*960.18*	
		For Class 55 Rating, Add	*1,433.36*	
		For Class 56 Rating, Add	*1,900.22*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,554.61	633.76
		For Class 52 Rating, Deduct	*-725.38*	
		For Class 54 Rating, Add	*1,000.68*	
		For Class 55 Rating, Add	*1,493.59*	
		For Class 56 Rating, Add	*1,979.91*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,828.33	636.48
		For Class 52 Rating, Deduct	*-755.04*	
		For Class 54 Rating, Add	*1,041.17*	
		For Class 55 Rating, Add	*1,553.81*	
		For Class 56 Rating, Add	*2,059.59*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,102.06	639.19
		For Class 52 Rating, Deduct	*-784.69*	
		For Class 54 Rating, Add	*1,081.66*	
		For Class 55 Rating, Add	*1,614.03*	
		For Class 56 Rating, Add	*2,139.27*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,375.80	641.91
		For Class 52 Rating, Deduct	*-814.35*	
		For Class 54 Rating, Add	*1,122.15*	
		For Class 55 Rating, Add	*1,674.26*	
		For Class 56 Rating, Add	*2,218.96*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,649.52	644.62
		For Class 52 Rating, Deduct	*-844.01*	
		For Class 54 Rating, Add	*1,162.64*	
		For Class 55 Rating, Add	*1,734.48*	
		For Class 56 Rating, Add	*2,298.64*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,923.25	647.34
		For Class 52 Rating, Deduct	*-873.67*	
		For Class 54 Rating, Add	*1,203.14*	
		For Class 55 Rating, Add	*1,794.70*	
		For Class 56 Rating, Add	*2,378.33*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,196.99	650.05
		For Class 52 Rating, Deduct	*-903.33*	
		For Class 54 Rating, Add	*1,243.63*	
		For Class 55 Rating, Add	*1,854.93*	
		For Class 56 Rating, Add	*2,458.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,470.72	652.77
		For Class 52 Rating, Deduct	*-932.98*	
		For Class 54 Rating, Add	*1,284.12*	
		For Class 55 Rating, Add	*1,915.15*	
		For Class 56 Rating, Add	*2,537.70*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,744.45	655.49
		For Class 52 Rating, Deduct	*-962.64*	
		For Class 54 Rating, Add	*1,324.61*	
		For Class 55 Rating, Add	*1,975.37*	
		For Class 56 Rating, Add	*2,617.38*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,018.18	658.21
		For Class 52 Rating, Deduct	*-992.30*	
		For Class 54 Rating, Add	*1,365.10*	
		For Class 55 Rating, Add	*2,035.60*	
		For Class 56 Rating, Add	*2,697.07*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,291.91	660.91
		For Class 52 Rating, Deduct	*-1,021.96*	
		For Class 54 Rating, Add	*1,405.59*	
		For Class 55 Rating, Add	*2,095.82*	
		For Class 56 Rating, Add	*2,776.75*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,565.63	663.63
		For Class 52 Rating, Deduct	*-1,051.61*	
		For Class 54 Rating, Add	*1,446.09*	
		For Class 55 Rating, Add	*2,156.04*	
		For Class 56 Rating, Add	*2,856.44*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,839.37	666.35
		For Class 52 Rating, Deduct	*-1,081.27*	
		For Class 54 Rating, Add	*1,486.58*	
		For Class 55 Rating, Add	*2,216.27*	
		For Class 56 Rating, Add	*2,936.12*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,113.10	669.06
		For Class 52 Rating, Deduct	*-1,110.93*	
		For Class 54 Rating, Add	*1,527.07*	
		For Class 55 Rating, Add	*2,276.49*	
		For Class 56 Rating, Add	*3,015.81*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,386.83	671.78
		For Class 52 Rating, Deduct	*-1,140.59*	
		For Class 54 Rating, Add	*1,567.56*	
		For Class 55 Rating, Add	*2,336.71*	
		For Class 56 Rating, Add	*3,095.49*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,660.56	674.49
		For Class 52 Rating, Deduct	*-1,170.25*	
		For Class 54 Rating, Add	*1,608.05*	
		For Class 55 Rating, Add	*2,396.93*	
		For Class 56 Rating, Add	*3,175.18*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,934.28	677.21
		For Class 52 Rating, Deduct	*-1,199.90*	
		For Class 54 Rating, Add	*1,648.54*	
		For Class 55 Rating, Add	*2,457.16*	
		For Class 56 Rating, Add	*3,254.86*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,208.02	679.92
		For Class 52 Rating, Deduct	*-1,229.56*	
		For Class 54 Rating, Add	*1,689.04*	
		For Class 55 Rating, Add	*2,517.38*	
		For Class 56 Rating, Add	*3,334.55*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,481.75	682.64
		For Class 52 Rating, Deduct	*-1,259.22*	
		For Class 54 Rating, Add	*1,729.53*	
		For Class 55 Rating, Add	*2,577.60*	
		For Class 56 Rating, Add	*3,414.23*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,755.47	685.36
		For Class 52 Rating, Deduct	*-1,288.88*	
		For Class 54 Rating, Add	*1,770.02*	
		For Class 55 Rating, Add	*2,637.83*	
		For Class 56 Rating, Add	*3,493.92*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,029.22	688.06
		For Class 52 Rating, Deduct	*-1,318.53*	
		For Class 54 Rating, Add	*1,810.51*	
		For Class 55 Rating, Add	*2,698.05*	
		For Class 56 Rating, Add	*3,573.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,384.33	670.69
		For Class 52 Rating, Deduct	*-260.49*	
		For Class 54 Rating, Add	*367.41*	
		For Class 55 Rating, Add	*552.48*	
		For Class 56 Rating, Add	*735.18*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,698.51	673.41
		For Class 52 Rating, Deduct	*-294.60*	
		For Class 54 Rating, Add	*413.97*	
		For Class 55 Rating, Add	*621.72*	
		For Class 56 Rating, Add	*826.80*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,012.67	676.12
		For Class 52 Rating, Deduct	*-328.71*	
		For Class 54 Rating, Add	*460.53*	
		For Class 55 Rating, Add	*690.96*	
		For Class 56 Rating, Add	*918.41*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,326.84	678.84
		For Class 52 Rating, Deduct	*-362.81*	
		For Class 54 Rating, Add	*507.09*	
		For Class 55 Rating, Add	*760.21*	
		For Class 56 Rating, Add	*1,010.03*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,641.02	681.56
		For Class 52 Rating, Deduct	*-396.92*	
		For Class 54 Rating, Add	*553.65*	
		For Class 55 Rating, Add	*829.45*	
		For Class 56 Rating, Add	*1,101.64*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,955.19	684.26
		For Class 52 Rating, Deduct	*-431.03*	
		For Class 54 Rating, Add	*600.20*	
		For Class 55 Rating, Add	*898.69*	
		For Class 56 Rating, Add	*1,193.26*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.36	686.98
		For Class 52 Rating, Deduct	*-465.13*	
		For Class 54 Rating, Add	*646.76*	
		For Class 55 Rating, Add	*967.93*	
		For Class 56 Rating, Add	*1,284.87*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,583.54	689.70
		For Class 52 Rating, Deduct	*-499.24*	
		For Class 54 Rating, Add	*693.32*	
		For Class 55 Rating, Add	*1,037.17*	
		For Class 56 Rating, Add	*1,376.49*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,897.70	692.42
		For Class 52 Rating, Deduct	*-533.34*	
		For Class 54 Rating, Add	*739.88*	
		For Class 55 Rating, Add	*1,106.41*	
		For Class 56 Rating, Add	*1,468.10*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,211.87	695.13
		For Class 52 Rating, Deduct	*-567.45*	
		For Class 54 Rating, Add	*786.44*	
		For Class 55 Rating, Add	*1,175.66*	
		For Class 56 Rating, Add	*1,559.72*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,526.05	697.84
		For Class 52 Rating, Deduct	*-601.56*	
		For Class 54 Rating, Add	*832.99*	
		For Class 55 Rating, Add	*1,244.90*	
		For Class 56 Rating, Add	*1,651.33*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,840.22	700.56
		For Class 52 Rating, Deduct	*-635.66*	
		For Class 54 Rating, Add	*879.55*	
		For Class 55 Rating, Add	*1,314.14*	
		For Class 56 Rating, Add	*1,742.95*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,154.39	703.27
		For Class 52 Rating, Deduct	*-669.77*	
		For Class 54 Rating, Add	*926.11*	
		For Class 55 Rating, Add	*1,383.38*	
		For Class 56 Rating, Add	*1,834.57*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,468.58	705.99
		For Class 52 Rating, Deduct	*-703.88*	
		For Class 54 Rating, Add	*972.67*	
		For Class 55 Rating, Add	*1,452.63*	
		For Class 56 Rating, Add	*1,926.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,782.74	708.71
		For Class 52 Rating, Deduct	*-737.98*	
		For Class 54 Rating, Add	*1,019.23*	
		For Class 55 Rating, Add	*1,521.86*	
		For Class 56 Rating, Add	*2,017.79*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,096.91	711.42
		For Class 52 Rating, Deduct	*-772.09*	
		For Class 54 Rating, Add	*1,065.78*	
		For Class 55 Rating, Add	*1,591.11*	
		For Class 56 Rating, Add	*2,109.41*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,411.09	714.13
		For Class 52 Rating, Deduct	*-806.20*	
		For Class 54 Rating, Add	*1,112.34*	
		For Class 55 Rating, Add	*1,660.35*	
		For Class 56 Rating, Add	*2,201.03*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,725.26	716.85
		For Class 52 Rating, Deduct	*-840.30*	
		For Class 54 Rating, Add	*1,158.90*	
		For Class 55 Rating, Add	*1,729.59*	
		For Class 56 Rating, Add	*2,292.64*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,039.43	719.57
		For Class 52 Rating, Deduct	*-874.41*	
		For Class 54 Rating, Add	*1,205.46*	
		For Class 55 Rating, Add	*1,798.83*	
		For Class 56 Rating, Add	*2,384.26*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,353.61	722.29
		For Class 52 Rating, Deduct	*-908.52*	
		For Class 54 Rating, Add	*1,252.02*	
		For Class 55 Rating, Add	*1,868.08*	
		For Class 56 Rating, Add	*2,475.87*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,667.78	724.99
		For Class 52 Rating, Deduct	*-942.62*	
		For Class 54 Rating, Add	*1,298.58*	
		For Class 55 Rating, Add	*1,937.32*	
		For Class 56 Rating, Add	*2,567.49*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,981.94	727.72
		For Class 52 Rating, Deduct	*-976.73*	
		For Class 54 Rating, Add	*1,345.13*	
		For Class 55 Rating, Add	*2,006.56*	
		For Class 56 Rating, Add	*2,659.10*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,296.12	730.43
		For Class 52 Rating, Deduct	*-1,010.84*	
		For Class 54 Rating, Add	*1,391.69*	
		For Class 55 Rating, Add	*2,075.80*	
		For Class 56 Rating, Add	*2,750.72*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,610.29	733.14
		For Class 52 Rating, Deduct	*-1,044.94*	
		For Class 54 Rating, Add	*1,438.25*	
		For Class 55 Rating, Add	*2,145.04*	
		For Class 56 Rating, Add	*2,842.33*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,924.46	735.86
		For Class 52 Rating, Deduct	*-1,079.05*	
		For Class 54 Rating, Add	*1,484.81*	
		For Class 55 Rating, Add	*2,214.28*	
		For Class 56 Rating, Add	*2,933.95*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,238.64	738.57
		For Class 52 Rating, Deduct	*-1,113.15*	
		For Class 54 Rating, Add	*1,531.37*	
		For Class 55 Rating, Add	*2,283.53*	
		For Class 56 Rating, Add	*3,025.56*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,552.82	741.30
		For Class 52 Rating, Deduct	*-1,147.26*	
		For Class 54 Rating, Add	*1,577.93*	
		For Class 55 Rating, Add	*2,352.77*	
		For Class 56 Rating, Add	*3,117.18*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,866.98	744.00
		For Class 52 Rating, Deduct	*-1,181.37*	
		For Class 54 Rating, Add	*1,624.48*	
		For Class 55 Rating, Add	*2,422.01*	
		For Class 56 Rating, Add	*3,208.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,181.16	746.72
		For Class 52 Rating, Deduct	*-1,215.47*	
		For Class 54 Rating, Add	*1,671.04*	
		For Class 55 Rating, Add	*2,491.25*	
		For Class 56 Rating, Add	*3,300.41*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,495.33	749.44
		For Class 52 Rating, Deduct	*-1,249.58*	
		For Class 54 Rating, Add	*1,717.60*	
		For Class 55 Rating, Add	*2,560.49*	
		For Class 56 Rating, Add	*3,392.03*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,809.51	752.14
		For Class 52 Rating, Deduct	*-1,283.69*	
		For Class 54 Rating, Add	*1,764.16*	
		For Class 55 Rating, Add	*2,629.73*	
		For Class 56 Rating, Add	*3,483.64*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,123.68	754.87
		For Class 52 Rating, Deduct	*-1,317.79*	
		For Class 54 Rating, Add	*1,810.72*	
		For Class 55 Rating, Add	*2,698.98*	
		For Class 56 Rating, Add	*3,575.26*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,437.85	757.59
		For Class 52 Rating, Deduct	*-1,351.90*	
		For Class 54 Rating, Add	*1,857.27*	
		For Class 55 Rating, Add	*2,768.22*	
		For Class 56 Rating, Add	*3,666.87*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,752.02	760.30
		For Class 52 Rating, Deduct	*-1,386.01*	
		For Class 54 Rating, Add	*1,903.83*	
		For Class 55 Rating, Add	*2,837.46*	
		For Class 56 Rating, Add	*3,758.49*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,066.19	763.01
		For Class 52 Rating, Deduct	*-1,420.11*	
		For Class 54 Rating, Add	*1,950.39*	
		For Class 55 Rating, Add	*2,906.70*	
		For Class 56 Rating, Add	*3,850.10*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,380.36	765.72
		For Class 52 Rating, Deduct	*-1,454.22*	
		For Class 54 Rating, Add	*1,996.95*	
		For Class 55 Rating, Add	*2,975.94*	
		For Class 56 Rating, Add	*3,941.72*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,694.54	768.45
		For Class 52 Rating, Deduct	*-1,488.33*	
		For Class 54 Rating, Add	*2,043.51*	
		For Class 55 Rating, Add	*3,045.18*	
		For Class 56 Rating, Add	*4,033.33*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,008.71	771.15
		For Class 52 Rating, Deduct	*-1,522.43*	
		For Class 54 Rating, Add	*2,090.06*	
		For Class 55 Rating, Add	*3,114.43*	
		For Class 56 Rating, Add	*4,124.95*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,158.13	792.87
		For Class 52 Rating, Deduct	*-325.25*	
		For Class 54 Rating, Add	*457.93*	
		For Class 55 Rating, Add	*688.20*	
		For Class 56 Rating, Add	*915.50*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,546.44	795.60
		For Class 52 Rating, Deduct	*-367.51*	
		For Class 54 Rating, Add	*515.61*	
		For Class 55 Rating, Add	*773.97*	
		For Class 56 Rating, Add	*1,028.99*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,934.75	798.32
		For Class 52 Rating, Deduct	*-409.77*	
		For Class 54 Rating, Add	*573.29*	
		For Class 55 Rating, Add	*859.75*	
		For Class 56 Rating, Add	*1,142.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,323.08	801.02
		For Class 52 Rating, Deduct	*-452.03*	
		For Class 54 Rating, Add	*630.97*	
		For Class 55 Rating, Add	*945.52*	
		For Class 56 Rating, Add	*1,255.97*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,711.39	803.74
		For Class 52 Rating, Deduct	*-494.30*	
		For Class 54 Rating, Add	*688.65*	
		For Class 55 Rating, Add	*1,031.30*	
		For Class 56 Rating, Add	*1,369.45*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,099.70	806.46
		For Class 52 Rating, Deduct	*-536.56*	
		For Class 54 Rating, Add	*746.33*	
		For Class 55 Rating, Add	*1,117.08*	
		For Class 56 Rating, Add	*1,482.94*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,488.03	809.18
		For Class 52 Rating, Deduct	*-578.82*	
		For Class 54 Rating, Add	*804.01*	
		For Class 55 Rating, Add	*1,202.85*	
		For Class 56 Rating, Add	*1,596.43*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,876.34	811.89
		For Class 52 Rating, Deduct	*-621.08*	
		For Class 54 Rating, Add	*861.69*	
		For Class 55 Rating, Add	*1,288.63*	
		For Class 56 Rating, Add	*1,709.92*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,264.65	814.60
		For Class 52 Rating, Deduct	*-663.35*	
		For Class 54 Rating, Add	*919.37*	
		For Class 55 Rating, Add	*1,374.40*	
		For Class 56 Rating, Add	*1,823.40*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,652.98	817.32
		For Class 52 Rating, Deduct	*-705.61*	
		For Class 54 Rating, Add	*977.05*	
		For Class 55 Rating, Add	*1,460.18*	
		For Class 56 Rating, Add	*1,936.89*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,041.30	820.03
		For Class 52 Rating, Deduct	*-747.87*	
		For Class 54 Rating, Add	*1,034.73*	
		For Class 55 Rating, Add	*1,545.96*	
		For Class 56 Rating, Add	*2,050.38*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,429.61	822.75
		For Class 52 Rating, Deduct	*-790.13*	
		For Class 54 Rating, Add	*1,092.41*	
		For Class 55 Rating, Add	*1,631.73*	
		For Class 56 Rating, Add	*2,163.87*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,817.93	825.47
		For Class 52 Rating, Deduct	*-832.39*	
		For Class 54 Rating, Add	*1,150.09*	
		For Class 55 Rating, Add	*1,717.51*	
		For Class 56 Rating, Add	*2,277.36*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,206.25	828.18
		For Class 52 Rating, Deduct	*-874.66*	
		For Class 54 Rating, Add	*1,207.77*	
		For Class 55 Rating, Add	*1,803.28*	
		For Class 56 Rating, Add	*2,390.85*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,594.57	830.89
		For Class 52 Rating, Deduct	*-916.92*	
		For Class 54 Rating, Add	*1,265.45*	
		For Class 55 Rating, Add	*1,889.06*	
		For Class 56 Rating, Add	*2,504.33*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,982.88	833.62
		For Class 52 Rating, Deduct	*-959.18*	
		For Class 54 Rating, Add	*1,323.13*	
		For Class 55 Rating, Add	*1,974.84*	
		For Class 56 Rating, Add	*2,617.82*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,371.19	836.33
		For Class 52 Rating, Deduct	*-1,001.44*	
		For Class 54 Rating, Add	*1,380.81*	
		For Class 55 Rating, Add	*2,060.61*	
		For Class 56 Rating, Add	*2,731.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,759.52	839.04
		For Class 52 Rating, Deduct	*-1,043.71*	
		For Class 54 Rating, Add	*1,438.49*	
		For Class 55 Rating, Add	*2,146.39*	
		For Class 56 Rating, Add	*2,844.80*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,147.83	841.75
		For Class 52 Rating, Deduct	*-1,085.97*	
		For Class 54 Rating, Add	*1,496.17*	
		For Class 55 Rating, Add	*2,232.16*	
		For Class 56 Rating, Add	*2,958.28*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,536.14	844.47
		For Class 52 Rating, Deduct	*-1,128.23*	
		For Class 54 Rating, Add	*1,553.85*	
		For Class 55 Rating, Add	*2,317.94*	
		For Class 56 Rating, Add	*3,071.77*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,924.46	847.20
		For Class 52 Rating, Deduct	*-1,170.49*	
		For Class 54 Rating, Add	*1,611.53*	
		For Class 55 Rating, Add	*2,403.71*	
		For Class 56 Rating, Add	*3,185.26*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,312.78	849.90
		For Class 52 Rating, Deduct	*-1,212.76*	
		For Class 54 Rating, Add	*1,669.21*	
		For Class 55 Rating, Add	*2,489.49*	
		For Class 56 Rating, Add	*3,298.75*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,701.09	852.62
		For Class 52 Rating, Deduct	*-1,255.02*	
		For Class 54 Rating, Add	*1,726.89*	
		For Class 55 Rating, Add	*2,575.27*	
		For Class 56 Rating, Add	*3,412.23*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,089.41	855.33
		For Class 52 Rating, Deduct	*-1,297.28*	
		For Class 54 Rating, Add	*1,784.57*	
		For Class 55 Rating, Add	*2,661.04*	
		For Class 56 Rating, Add	*3,525.72*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,477.74	858.05
		For Class 52 Rating, Deduct	*-1,339.54*	
		For Class 54 Rating, Add	*1,842.25*	
		For Class 55 Rating, Add	*2,746.82*	
		For Class 56 Rating, Add	*3,639.21*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,866.05	860.77
		For Class 52 Rating, Deduct	*-1,381.80*	
		For Class 54 Rating, Add	*1,899.93*	
		For Class 55 Rating, Add	*2,832.60*	
		For Class 56 Rating, Add	*3,752.70*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,254.37	863.48
		For Class 52 Rating, Deduct	*-1,424.07*	
		For Class 54 Rating, Add	*1,957.61*	
		For Class 55 Rating, Add	*2,918.37*	
		For Class 56 Rating, Add	*3,866.19*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,642.68	866.20
		For Class 52 Rating, Deduct	*-1,466.33*	
		For Class 54 Rating, Add	*2,015.29*	
		For Class 55 Rating, Add	*3,004.15*	
		For Class 56 Rating, Add	*3,979.67*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,031.00	868.90
		For Class 52 Rating, Deduct	*-1,508.59*	
		For Class 54 Rating, Add	*2,072.97*	
		For Class 55 Rating, Add	*3,089.92*	
		For Class 56 Rating, Add	*4,093.16*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,489.26	917.78
		For Class 52 Rating, Deduct	*-1,550.85*	
		For Class 54 Rating, Add	*2,131.49*	
		For Class 55 Rating, Add	*3,177.38*	
		For Class 56 Rating, Add	*4,209.17*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,877.57	920.50
		For Class 52 Rating, Deduct	*-1,593.12*	
		For Class 54 Rating, Add	*2,189.17*	
		For Class 55 Rating, Add	*3,263.15*	
		For Class 56 Rating, Add	*4,322.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,265.89	923.22
		For Class 52 Rating, Deduct	*-1,635.38*	
		For Class 54 Rating, Add	*2,246.85*	
		For Class 55 Rating, Add	*3,348.93*	
		For Class 56 Rating, Add	*4,436.15*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,654.21	925.94
		For Class 52 Rating, Deduct	*-1,677.64*	
		For Class 54 Rating, Add	*2,304.53*	
		For Class 55 Rating, Add	*3,434.71*	
		For Class 56 Rating, Add	*4,549.63*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,042.52	928.65
		For Class 52 Rating, Deduct	*-1,719.90*	
		For Class 54 Rating, Add	*2,362.21*	
		For Class 55 Rating, Add	*3,520.48*	
		For Class 56 Rating, Add	*4,668.12*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,430.83	931.36
		For Class 52 Rating, Deduct	*-1,762.16*	
		For Class 54 Rating, Add	*2,419.89*	
		For Class 55 Rating, Add	*3,606.26*	
		For Class 56 Rating, Add	*4,776.61*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,819.17	934.08
		For Class 52 Rating, Deduct	*-1,804.43*	
		For Class 54 Rating, Add	*2,477.57*	
		For Class 55 Rating, Add	*3,692.03*	
		For Class 56 Rating, Add	*4,890.10*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,207.48	936.79
		For Class 52 Rating, Deduct	*-1,846.69*	
		For Class 54 Rating, Add	*2,535.25*	
		For Class 55 Rating, Add	*3,777.81*	
		For Class 56 Rating, Add	*5,003.58*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,595.79	939.51
		For Class 52 Rating, Deduct	*-1,888.95*	
		For Class 54 Rating, Add	*2,592.93*	
		For Class 55 Rating, Add	*3,863.58*	
		For Class 56 Rating, Add	*5,117.07*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,368.37	1,118.72
		For Class 52 Rating, Deduct	*-514.07*	
		For Class 54 Rating, Add	*721.34*	
		For Class 55 Rating, Add	*1,082.84*	
		For Class 56 Rating, Add	*1,439.66*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,927.45	1,121.44
		For Class 52 Rating, Deduct	*-575.11*	
		For Class 54 Rating, Add	*804.63*	
		For Class 55 Rating, Add	*1,206.69*	
		For Class 56 Rating, Add	*1,603.52*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,486.53	1,124.16
		For Class 52 Rating, Deduct	*-636.16*	
		For Class 54 Rating, Add	*887.93*	
		For Class 55 Rating, Add	*1,330.55*	
		For Class 56 Rating, Add	*1,767.38*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,045.60	1,126.87
		For Class 52 Rating, Deduct	*-697.20*	
		For Class 54 Rating, Add	*971.22*	
		For Class 55 Rating, Add	*1,454.40*	
		For Class 56 Rating, Add	*1,931.24*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,604.67	1,129.59
		For Class 52 Rating, Deduct	*-758.25*	
		For Class 54 Rating, Add	*1,054.51*	
		For Class 55 Rating, Add	*1,578.25*	
		For Class 56 Rating, Add	*2,095.10*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,163.75	1,132.29
		For Class 52 Rating, Deduct	*-819.30*	
		For Class 54 Rating, Add	*1,137.81*	
		For Class 55 Rating, Add	*1,702.11*	
		For Class 56 Rating, Add	*2,258.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,722.82	1,135.02
		For Class 52 Rating, Deduct	*-880.34*	
		For Class 54 Rating, Add	*1,221.10*	
		For Class 55 Rating, Add	*1,825.96*	
		For Class 56 Rating, Add	*2,422.82*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,281.89	1,137.74
		For Class 52 Rating, Deduct	*-941.39*	
		For Class 54 Rating, Add	*1,304.39*	
		For Class 55 Rating, Add	*1,949.82*	
		For Class 56 Rating, Add	*2,586.69*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,840.97	1,140.44
		For Class 52 Rating, Deduct	*-1,002.43*	
		For Class 54 Rating, Add	*1,387.69*	
		For Class 55 Rating, Add	*2,073.67*	
		For Class 56 Rating, Add	*2,750.55*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,400.04	1,143.16
		For Class 52 Rating, Deduct	*-1,063.48*	
		For Class 54 Rating, Add	*1,470.98*	
		For Class 55 Rating, Add	*2,197.53*	
		For Class 56 Rating, Add	*2,914.41*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,959.12	1,145.87
		For Class 52 Rating, Deduct	*-1,124.52*	
		For Class 54 Rating, Add	*1,554.28*	
		For Class 55 Rating, Add	*2,321.38*	
		For Class 56 Rating, Add	*3,078.27*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,518.19	1,148.60
		For Class 52 Rating, Deduct	*-1,185.57*	
		For Class 54 Rating, Add	*1,637.57*	
		For Class 55 Rating, Add	*2,445.24*	
		For Class 56 Rating, Add	*3,242.13*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,077.26	1,151.31
		For Class 52 Rating, Deduct	*-1,246.61*	
		For Class 54 Rating, Add	*1,720.86*	
		For Class 55 Rating, Add	*2,569.09*	
		For Class 56 Rating, Add	*3,405.99*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,636.34	1,154.02
		For Class 52 Rating, Deduct	*-1,307.66*	
		For Class 54 Rating, Add	*1,804.16*	
		For Class 55 Rating, Add	*2,692.95*	
		For Class 56 Rating, Add	*3,569.85*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,195.41	1,156.74
		For Class 52 Rating, Deduct	*-1,368.71*	
		For Class 54 Rating, Add	*1,887.45*	
		For Class 55 Rating, Add	*2,816.80*	
		For Class 56 Rating, Add	*3,733.71*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,754.48	1,159.44
		For Class 52 Rating, Deduct	*-1,429.75*	
		For Class 54 Rating, Add	*1,970.74*	
		For Class 55 Rating, Add	*2,940.66*	
		For Class 56 Rating, Add	*3,897.58*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,313.57	1,162.17
		For Class 52 Rating, Deduct	*-1,490.80*	
		For Class 54 Rating, Add	*2,054.04*	
		For Class 55 Rating, Add	*3,064.51*	
		For Class 56 Rating, Add	*4,061.44*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,872.64	1,164.89
		For Class 52 Rating, Deduct	*-1,551.84*	
		For Class 54 Rating, Add	*2,137.33*	
		For Class 55 Rating, Add	*3,188.37*	
		For Class 56 Rating, Add	*4,225.30*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,431.71	1,167.60
		For Class 52 Rating, Deduct	*-1,612.89*	
		For Class 54 Rating, Add	*2,220.62*	
		For Class 55 Rating, Add	*3,312.22*	
		For Class 56 Rating, Add	*4,389.16*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,990.79	1,170.31
		For Class 52 Rating, Deduct	*-1,673.93*	
		For Class 54 Rating, Add	*2,303.92*	
		For Class 55 Rating, Add	*3,436.08*	
		For Class 56 Rating, Add	*4,553.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,549.86	1,173.02
		For Class 52 Rating, Deduct	*-1,734.98*	
		For Class 54 Rating, Add	*2,387.21*	
		For Class 55 Rating, Add	*3,559.93*	
		For Class 56 Rating, Add	*4,716.88*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,108.93	1,175.75
		For Class 52 Rating, Deduct	*-1,796.03*	
		For Class 54 Rating, Add	*2,470.50*	
		For Class 55 Rating, Add	*3,683.79*	
		For Class 56 Rating, Add	*4,880.74*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,668.01	1,178.46
		For Class 52 Rating, Deduct	*-1,857.07*	
		For Class 54 Rating, Add	*2,553.80*	
		For Class 55 Rating, Add	*3,807.64*	
		For Class 56 Rating, Add	*5,044.61*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,227.07	1,181.17
		For Class 52 Rating, Deduct	*-1,918.12*	
		For Class 54 Rating, Add	*2,637.09*	
		For Class 55 Rating, Add	*3,931.49*	
		For Class 56 Rating, Add	*5,208.46*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,786.14	1,183.89
		For Class 52 Rating, Deduct	*-1,979.16*	
		For Class 54 Rating, Add	*2,720.38*	
		For Class 55 Rating, Add	*4,055.35*	
		For Class 56 Rating, Add	*5,372.32*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,345.22	1,186.62
		For Class 52 Rating, Deduct	*-2,040.21*	
		For Class 54 Rating, Add	*2,803.67*	
		For Class 55 Rating, Add	*4,179.20*	
		For Class 56 Rating, Add	*5,536.19*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,904.29	1,189.32
		For Class 52 Rating, Deduct	*-2,101.25*	
		For Class 54 Rating, Add	*2,886.97*	
		For Class 55 Rating, Add	*4,303.06*	
		For Class 56 Rating, Add	*5,700.05*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,463.36	1,192.04
		For Class 52 Rating, Deduct	*-2,162.30*	
		For Class 54 Rating, Add	*2,970.26*	
		For Class 55 Rating, Add	*4,426.91*	
		For Class 56 Rating, Add	*5,863.91*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,022.44	1,194.75
		For Class 52 Rating, Deduct	*-2,223.34*	
		For Class 54 Rating, Add	*3,053.55*	
		For Class 55 Rating, Add	*4,550.77*	
		For Class 56 Rating, Add	*6,027.77*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,581.52	1,197.47
		For Class 52 Rating, Deduct	*-2,284.39*	
		For Class 54 Rating, Add	*3,136.85*	
		For Class 55 Rating, Add	*4,674.62*	
		For Class 56 Rating, Add	*6,191.63*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,140.59	1,200.19
		For Class 52 Rating, Deduct	*-2,345.43*	
		For Class 54 Rating, Add	*3,220.14*	
		For Class 55 Rating, Add	*4,798.48*	
		For Class 56 Rating, Add	*6,355.49*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,699.67	1,202.90
		For Class 52 Rating, Deduct	*-2,406.48*	
		For Class 54 Rating, Add	*3,303.43*	
		For Class 55 Rating, Add	*4,922.33*	
		For Class 56 Rating, Add	*6,519.35*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,258.74	1,205.62
		For Class 52 Rating, Deduct	*-2,467.53*	
		For Class 54 Rating, Add	*3,386.73*	
		For Class 55 Rating, Add	*5,046.19*	
		For Class 56 Rating, Add	*6,683.22*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,817.81	1,208.32
		For Class 52 Rating, Deduct	*-2,528.57*	
		For Class 54 Rating, Add	*3,470.02*	
		For Class 55 Rating, Add	*5,170.04*	
		For Class 56 Rating, Add	*6,847.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,376.89	1,211.04
		For Class 52 Rating, Deduct	*-2,589.62*	
		For Class 54 Rating, Add	*3,553.31*	
		For Class 55 Rating, Add	*5,293.90*	
		For Class 56 Rating, Add	*7,010.94*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,935.96	1,213.77
		For Class 52 Rating, Deduct	*-2,650.66*	
		For Class 54 Rating, Add	*3,636.61*	
		For Class 55 Rating, Add	*5,417.75*	
		For Class 56 Rating, Add	*7,174.80*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,495.03	1,216.48
		For Class 52 Rating, Deduct	*-2,711.71*	
		For Class 54 Rating, Add	*3,719.90*	
		For Class 55 Rating, Add	*5,541.61*	
		For Class 56 Rating, Add	*7,338.66*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,054.11	1,219.19
		For Class 52 Rating, Deduct	*-2,772.75*	
		For Class 54 Rating, Add	*3,803.19*	
		For Class 55 Rating, Add	*5,665.46*	
		For Class 56 Rating, Add	*7,502.52*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,802.61	1,417.41
		For Class 52 Rating, Deduct	*-732.05*	
		For Class 54 Rating, Add	*1,024.02*	
		For Class 55 Rating, Add	*1,535.61*	
		For Class 56 Rating, Add	*2,040.54*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,561.65	1,420.13
		For Class 52 Rating, Deduct	*-815.09*	
		For Class 54 Rating, Add	*1,137.31*	
		For Class 55 Rating, Add	*1,704.06*	
		For Class 56 Rating, Add	*2,263.40*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,320.69	1,422.84
		For Class 52 Rating, Deduct	*-898.14*	
		For Class 54 Rating, Add	*1,250.60*	
		For Class 55 Rating, Add	*1,872.51*	
		For Class 56 Rating, Add	*2,486.25*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,079.74	1,425.56
		For Class 52 Rating, Deduct	*-981.18*	
		For Class 54 Rating, Add	*1,363.89*	
		For Class 55 Rating, Add	*2,040.95*	
		For Class 56 Rating, Add	*2,709.10*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,838.77	1,428.28
		For Class 52 Rating, Deduct	*-1,064.22*	
		For Class 54 Rating, Add	*1,477.18*	
		For Class 55 Rating, Add	*2,209.40*	
		For Class 56 Rating, Add	*2,931.95*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,597.82	1,430.98
		For Class 52 Rating, Deduct	*-1,147.26*	
		For Class 54 Rating, Add	*1,590.47*	
		For Class 55 Rating, Add	*2,377.85*	
		For Class 56 Rating, Add	*3,154.80*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,356.85	1,433.70
		For Class 52 Rating, Deduct	*-1,230.30*	
		For Class 54 Rating, Add	*1,703.75*	
		For Class 55 Rating, Add	*2,546.29*	
		For Class 56 Rating, Add	*3,377.65*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,115.89	1,436.42
		For Class 52 Rating, Deduct	*-1,313.35*	
		For Class 54 Rating, Add	*1,817.04*	
		For Class 55 Rating, Add	*2,714.74*	
		For Class 56 Rating, Add	*3,600.50*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,874.93	1,439.14
		For Class 52 Rating, Deduct	*-1,396.39*	
		For Class 54 Rating, Add	*1,930.33*	
		For Class 55 Rating, Add	*2,883.19*	
		For Class 56 Rating, Add	*3,823.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,633.96	1,441.85
		For Class 52 Rating, Deduct	*-1,479.43*	
		For Class 54 Rating, Add	*2,043.62*	
		For Class 55 Rating, Add	*3,051.63*	
		For Class 56 Rating, Add	*4,046.20*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,393.00	1,444.56
		For Class 52 Rating, Deduct	*-1,562.47*	
		For Class 54 Rating, Add	*2,156.91*	
		For Class 55 Rating, Add	*3,220.08*	
		For Class 56 Rating, Add	*4,269.05*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,152.04	1,447.28
		For Class 52 Rating, Deduct	*-1,645.51*	
		For Class 54 Rating, Add	*2,270.19*	
		For Class 55 Rating, Add	*3,388.53*	
		For Class 56 Rating, Add	*4,491.90*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,911.08	1,449.99
		For Class 52 Rating, Deduct	*-1,728.55*	
		For Class 54 Rating, Add	*2,383.48*	
		For Class 55 Rating, Add	*3,556.98*	
		For Class 56 Rating, Add	*4,714.76*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,670.11	1,452.71
		For Class 52 Rating, Deduct	*-1,811.59*	
		For Class 54 Rating, Add	*2,496.77*	
		For Class 55 Rating, Add	*3,725.42*	
		For Class 56 Rating, Add	*4,937.61*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,429.16	1,455.43
		For Class 52 Rating, Deduct	*-1,894.64*	
		For Class 54 Rating, Add	*2,610.06*	
		For Class 55 Rating, Add	*3,893.87*	
		For Class 56 Rating, Add	*5,160.46*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,188.19	1,458.14
		For Class 52 Rating, Deduct	*-1,977.68*	
		For Class 54 Rating, Add	*2,723.35*	
		For Class 55 Rating, Add	*4,062.32*	
		For Class 56 Rating, Add	*5,383.31*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,947.24	1,460.85
		For Class 52 Rating, Deduct	*-2,060.72*	
		For Class 54 Rating, Add	*2,836.63*	
		For Class 55 Rating, Add	*4,230.76*	
		For Class 56 Rating, Add	*5,606.16*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,706.27	1,463.57
		For Class 52 Rating, Deduct	*-2,143.76*	
		For Class 54 Rating, Add	*2,949.92*	
		For Class 55 Rating, Add	*4,399.21*	
		For Class 56 Rating, Add	*5,829.01*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,465.32	1,466.29
		For Class 52 Rating, Deduct	*-2,226.80*	
		For Class 54 Rating, Add	*3,063.21*	
		For Class 55 Rating, Add	*4,567.66*	
		For Class 56 Rating, Add	*6,051.86*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,224.36	1,469.01
		For Class 52 Rating, Deduct	*-2,309.84*	
		For Class 54 Rating, Add	*3,176.50*	
		For Class 55 Rating, Add	*4,736.10*	
		For Class 56 Rating, Add	*6,274.71*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,983.40	1,471.71
		For Class 52 Rating, Deduct	*-2,392.89*	
		For Class 54 Rating, Add	*3,289.79*	
		For Class 55 Rating, Add	*4,904.55*	
		For Class 56 Rating, Add	*6,497.56*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,742.43	1,474.43
		For Class 52 Rating, Deduct	*-2,475.93*	
		For Class 54 Rating, Add	*3,403.07*	
		For Class 55 Rating, Add	*5,073.00*	
		For Class 56 Rating, Add	*6,720.41*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,501.48	1,477.16
		For Class 52 Rating, Deduct	*-2,558.97*	
		For Class 54 Rating, Add	*3,516.36*	
		For Class 55 Rating, Add	*5,241.45*	
		For Class 56 Rating, Add	*6,943.27*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,260.51	1,479.86
		For Class 52 Rating, Deduct	*-2,642.01*	
		For Class 54 Rating, Add	*3,629.65*	
		For Class 55 Rating, Add	*5,409.89*	
		For Class 56 Rating, Add	*7,166.12*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,019.55	1,482.58
		For Class 52 Rating, Deduct	*-2,725.05*	
		For Class 54 Rating, Add	*3,742.94*	
		For Class 55 Rating, Add	*5,578.34*	
		For Class 56 Rating, Add	*7,388.97*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,778.59	1,485.29
		For Class 52 Rating, Deduct	*-2,808.10*	
		For Class 54 Rating, Add	*3,856.23*	
		For Class 55 Rating, Add	*5,746.79*	
		For Class 56 Rating, Add	*7,611.82*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,537.63	1,488.02
		For Class 52 Rating, Deduct	*-2,891.14*	
		For Class 54 Rating, Add	*3,969.52*	
		For Class 55 Rating, Add	*5,915.23*	
		For Class 56 Rating, Add	*7,834.67*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,296.66	1,490.73
		For Class 52 Rating, Deduct	*-2,974.18*	
		For Class 54 Rating, Add	*4,082.80*	
		For Class 55 Rating, Add	*6,083.68*	
		For Class 56 Rating, Add	*8,057.52*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,055.71	1,493.44
		For Class 52 Rating, Deduct	*-3,057.22*	
		For Class 54 Rating, Add	*4,196.09*	
		For Class 55 Rating, Add	*6,252.13*	
		For Class 56 Rating, Add	*8,280.37*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,814.74	1,496.16
		For Class 52 Rating, Deduct	*-3,140.26*	
		For Class 54 Rating, Add	*4,309.38*	
		For Class 55 Rating, Add	*6,420.57*	
		For Class 56 Rating, Add	*8,503.22*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,573.78	1,498.86
		For Class 52 Rating, Deduct	*-3,223.30*	
		For Class 54 Rating, Add	*4,422.67*	
		For Class 55 Rating, Add	*6,589.02*	
		For Class 56 Rating, Add	*8,726.07*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,332.83	1,501.59
		For Class 52 Rating, Deduct	*-3,306.35*	
		For Class 54 Rating, Add	*4,535.96*	
		For Class 55 Rating, Add	*6,757.47*	
		For Class 56 Rating, Add	*8,948.92*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,091.87	1,504.31
		For Class 52 Rating, Deduct	*-3,389.39*	
		For Class 54 Rating, Add	*4,649.24*	
		For Class 55 Rating, Add	*6,925.92*	
		For Class 56 Rating, Add	*9,171.78*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,850.90	1,507.02
		For Class 52 Rating, Deduct	*-3,472.43*	
		For Class 54 Rating, Add	*4,762.53*	
		For Class 55 Rating, Add	*7,094.36*	
		For Class 56 Rating, Add	*9,394.63*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,609.94	1,509.73
		For Class 52 Rating, Deduct	*-3,555.47*	
		For Class 54 Rating, Add	*4,875.82*	
		For Class 55 Rating, Add	*7,262.81*	
		For Class 56 Rating, Add	*9,617.47*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,368.98	1,512.44
		For Class 52 Rating, Deduct	*-3,638.51*	
		For Class 54 Rating, Add	*4,989.11*	
		For Class 55 Rating, Add	*7,431.26*	
		For Class 56 Rating, Add	*9,840.33*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,128.01	1,515.17
		For Class 52 Rating, Deduct	*-3,721.55*	
		For Class 54 Rating, Add	*5,102.39*	
		For Class 55 Rating, Add	*7,599.70*	
		For Class 56 Rating, Add	*10,063.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,887.06	1,517.88
		For Class 52 Rating, Deduct	*-3,804.60*	
		For Class 54 Rating, Add	*5,215.68*	
		For Class 55 Rating, Add	*7,768.15*	
		For Class 56 Rating, Add	*10,286.03*	
40 05 19 00-1502		42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,629.16	1,786.70
		For Class 52 Rating, Deduct	*-981.42*	
		For Class 54 Rating, Add	*1,370.79*	
		For Class 55 Rating, Add	*2,054.59*	
		For Class 56 Rating, Add	*2,729.46*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,761.17	1,789.40
		For Class 52 Rating, Deduct	*-1,105.49*	
		For Class 54 Rating, Add	*1,540.03*	
		For Class 55 Rating, Add	*2,306.21*	
		For Class 56 Rating, Add	*3,062.34*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,879.70	1,792.13
		For Class 52 Rating, Deduct	*-1,228.08*	
		For Class 54 Rating, Add	*1,707.24*	
		For Class 55 Rating, Add	*2,554.82*	
		For Class 56 Rating, Add	*3,391.24*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,009.46	1,794.85
		For Class 52 Rating, Deduct	*-1,351.90*	
		For Class 54 Rating, Add	*1,876.13*	
		For Class 55 Rating, Add	*2,805.94*	
		For Class 56 Rating, Add	*3,723.45*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,127.98	1,797.56
		For Class 52 Rating, Deduct	*-1,474.49*	
		For Class 54 Rating, Add	*2,043.34*	
		For Class 55 Rating, Add	*3,054.55*	
		For Class 56 Rating, Add	*4,052.35*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,259.99	1,800.27
		For Class 52 Rating, Deduct	*-1,598.55*	
		For Class 54 Rating, Add	*2,212.58*	
		For Class 55 Rating, Add	*3,306.17*	
		For Class 56 Rating, Add	*4,385.23*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,376.27	1,802.99
		For Class 52 Rating, Deduct	*-1,720.89*	
		For Class 54 Rating, Add	*2,379.45*	
		For Class 55 Rating, Add	*3,554.28*	
		For Class 56 Rating, Add	*4,713.46*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,508.28	1,805.71
		For Class 52 Rating, Deduct	*-1,844.96*	
		For Class 54 Rating, Add	*2,548.69*	
		For Class 55 Rating, Add	*3,805.90*	
		For Class 56 Rating, Add	*5,046.34*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,626.81	1,808.43
		For Class 52 Rating, Deduct	*-1,967.54*	
		For Class 54 Rating, Add	*2,715.90*	
		For Class 55 Rating, Add	*4,054.51*	
		For Class 56 Rating, Add	*5,375.24*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,756.57	1,811.13
		For Class 52 Rating, Deduct	*-2,091.37*	
		For Class 54 Rating, Add	*2,884.79*	
		For Class 55 Rating, Add	*4,305.63*	
		For Class 56 Rating, Add	*5,707.45*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,875.09	1,813.85
		For Class 52 Rating, Deduct	*-2,213.95*	
		For Class 54 Rating, Add	*3,052.00*	
		For Class 55 Rating, Add	*4,554.24*	
		For Class 56 Rating, Add	*6,036.35*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,004.86	1,816.57
		For Class 52 Rating, Deduct	*-2,337.77*	
		For Class 54 Rating, Add	*3,220.90*	
		For Class 55 Rating, Add	*4,805.36*	
		For Class 56 Rating, Add	*6,368.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,123.38	1,819.28
		For Class 52 Rating, Deduct	*-2,460.36*	
		For Class 54 Rating, Add	*3,388.11*	
		For Class 55 Rating, Add	*5,053.97*	
		For Class 56 Rating, Add	*6,697.47*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,244.15	1,822.00
		For Class 52 Rating, Deduct	*-2,583.19*	
		For Class 54 Rating, Add	*3,555.66*	
		For Class 55 Rating, Add	*5,303.09*	
		For Class 56 Rating, Add	*7,027.03*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,371.67	1,824.71
		For Class 52 Rating, Deduct	*-2,706.76*	
		For Class 54 Rating, Add	*3,724.22*	
		For Class 55 Rating, Add	*5,553.70*	
		For Class 56 Rating, Add	*7,358.58*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,490.20	1,827.43
		For Class 52 Rating, Deduct	*-2,829.35*	
		For Class 54 Rating, Add	*3,891.43*	
		For Class 55 Rating, Add	*5,802.32*	
		For Class 56 Rating, Add	*7,687.48*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,622.20	1,830.14
		For Class 52 Rating, Deduct	*-2,953.42*	
		For Class 54 Rating, Add	*4,060.66*	
		For Class 55 Rating, Add	*6,053.94*	
		For Class 56 Rating, Add	*8,020.36*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,740.73	1,832.86
		For Class 52 Rating, Deduct	*-3,076.00*	
		For Class 54 Rating, Add	*4,227.88*	
		For Class 55 Rating, Add	*6,302.55*	
		For Class 56 Rating, Add	*8,349.26*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,870.49	1,835.58
		For Class 52 Rating, Deduct	*-3,199.83*	
		For Class 54 Rating, Add	*4,396.77*	
		For Class 55 Rating, Add	*6,553.67*	
		For Class 56 Rating, Add	*8,681.47*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,989.01	1,838.28
		For Class 52 Rating, Deduct	*-3,322.41*	
		For Class 54 Rating, Add	*4,563.98*	
		For Class 55 Rating, Add	*6,802.28*	
		For Class 56 Rating, Add	*9,010.37*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,121.03	1,841.00
		For Class 52 Rating, Deduct	*-3,446.48*	
		For Class 54 Rating, Add	*4,733.22*	
		For Class 55 Rating, Add	*7,053.90*	
		For Class 56 Rating, Add	*9,343.25*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,239.55	1,843.73
		For Class 52 Rating, Deduct	*-3,569.06*	
		For Class 54 Rating, Add	*4,900.43*	
		For Class 55 Rating, Add	*7,302.51*	
		For Class 56 Rating, Add	*9,672.15*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,369.32	1,846.44
		For Class 52 Rating, Deduct	*-3,692.89*	
		For Class 54 Rating, Add	*5,069.33*	
		For Class 55 Rating, Add	*7,553.63*	
		For Class 56 Rating, Add	*10,004.36*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,487.85	1,849.15
		For Class 52 Rating, Deduct	*-3,815.47*	
		For Class 54 Rating, Add	*5,236.54*	
		For Class 55 Rating, Add	*7,802.24*	
		For Class 56 Rating, Add	*10,333.26*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,619.85	1,851.86
		For Class 52 Rating, Deduct	*-3,939.54*	
		For Class 54 Rating, Add	*5,405.77*	
		For Class 55 Rating, Add	*8,053.86*	
		For Class 56 Rating, Add	*10,666.14*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,738.37	1,854.59
		For Class 52 Rating, Deduct	*-4,062.12*	
		For Class 54 Rating, Add	*5,572.98*	
		For Class 55 Rating, Add	*8,302.47*	
		For Class 56 Rating, Add	*10,995.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,865.89	1,857.30
		For Class 52 Rating, Deduct	*-4,185.70*	
		For Class 54 Rating, Add	*5,741.54*	
		For Class 55 Rating, Add	*8,553.09*	
		For Class 56 Rating, Add	*11,326.59*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,986.66	1,860.01
		For Class 52 Rating, Deduct	*-4,308.53*	
		For Class 54 Rating, Add	*5,909.09*	
		For Class 55 Rating, Add	*8,802.20*	
		For Class 56 Rating, Add	*11,656.15*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,880.52	1,862.73
		For Class 52 Rating, Deduct	*-4,406.40*	
		For Class 54 Rating, Add	*6,042.60*	
		For Class 55 Rating, Add	*9,000.71*	
		For Class 56 Rating, Add	*11,918.77*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,234.95	1,865.44
		For Class 52 Rating, Deduct	*-4,554.94*	
		For Class 54 Rating, Add	*6,245.20*	
		For Class 55 Rating, Add	*9,301.93*	
		For Class 56 Rating, Add	*12,317.26*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,353.48	1,868.15
		For Class 52 Rating, Deduct	*-4,677.52*	
		For Class 54 Rating, Add	*6,412.41*	
		For Class 55 Rating, Add	*9,550.55*	
		For Class 56 Rating, Add	*12,646.17*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,483.24	1,870.88
		For Class 52 Rating, Deduct	*-4,801.34*	
		For Class 54 Rating, Add	*6,581.30*	
		For Class 55 Rating, Add	*9,801.67*	
		For Class 56 Rating, Add	*12,978.38*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,601.77	1,873.59
		For Class 52 Rating, Deduct	*-4,923.93*	
		For Class 54 Rating, Add	*6,748.52*	
		For Class 55 Rating, Add	*10,050.28*	
		For Class 56 Rating, Add	*13,307.28*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,733.77	1,876.31
		For Class 52 Rating, Deduct	*-5,048.00*	
		For Class 54 Rating, Add	*6,917.75*	
		For Class 55 Rating, Add	*10,301.90*	
		For Class 56 Rating, Add	*13,640.16*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,850.06	1,879.01
		For Class 52 Rating, Deduct	*-5,170.34*	
		For Class 54 Rating, Add	*7,084.62*	
		For Class 55 Rating, Add	*10,550.01*	
		For Class 56 Rating, Add	*13,968.39*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,982.07	1,881.74
		For Class 52 Rating, Deduct	*-5,294.40*	
		For Class 54 Rating, Add	*7,253.86*	
		For Class 55 Rating, Add	*10,801.63*	
		For Class 56 Rating, Add	*14,301.27*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,100.59	1,884.46
		For Class 52 Rating, Deduct	*-5,416.99*	
		For Class 54 Rating, Add	*7,421.07*	
		For Class 55 Rating, Add	*11,050.24*	
		For Class 56 Rating, Add	*14,630.17*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,230.36	1,887.16
		For Class 52 Rating, Deduct	*-5,540.81*	
		For Class 54 Rating, Add	*7,589.96*	
		For Class 55 Rating, Add	*11,301.36*	
		For Class 56 Rating, Add	*14,962.38*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,004.89	2,245.58
		For Class 52 Rating, Deduct	*-1,276.27*	
		For Class 54 Rating, Add	*1,781.20*	
		For Class 55 Rating, Add	*2,669.01*	
		For Class 56 Rating, Add	*3,545.22*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,651.42	2,248.31
		For Class 52 Rating, Deduct	*-1,456.94*	
		For Class 54 Rating, Add	*2,027.61*	
		For Class 55 Rating, Add	*3,035.37*	
		For Class 56 Rating, Add	*4,029.88*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,295.69	2,251.03
		For Class 52 Rating, Deduct	*-1,637.36*	
		For Class 54 Rating, Add	*2,273.69*	
		For Class 55 Rating, Add	*3,401.22*	
		For Class 56 Rating, Add	*4,513.87*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,953.44	2,253.74
		For Class 52 Rating, Deduct	*-1,819.26*	
		For Class 54 Rating, Add	*2,521.78*	
		For Class 55 Rating, Add	*3,770.08*	
		For Class 56 Rating, Add	*5,001.84*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,599.98	2,256.45
		For Class 52 Rating, Deduct	*-1,999.92*	
		For Class 54 Rating, Add	*2,768.19*	
		For Class 55 Rating, Add	*4,136.44*	
		For Class 56 Rating, Add	*5,486.51*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,246.50	2,259.16
		For Class 52 Rating, Deduct	*-2,180.59*	
		For Class 54 Rating, Add	*3,014.60*	
		For Class 55 Rating, Add	*4,502.80*	
		For Class 56 Rating, Add	*5,971.17*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,902.01	2,261.89
		For Class 52 Rating, Deduct	*-2,362.24*	
		For Class 54 Rating, Add	*3,262.36*	
		For Class 55 Rating, Add	*4,871.16*	
		For Class 56 Rating, Add	*6,458.47*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,550.79	2,264.60
		For Class 52 Rating, Deduct	*-2,543.15*	
		For Class 54 Rating, Add	*3,509.11*	
		For Class 55 Rating, Add	*5,238.01*	
		For Class 56 Rating, Add	*6,943.80*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,195.07	2,267.31
		For Class 52 Rating, Deduct	*-2,723.57*	
		For Class 54 Rating, Add	*3,755.18*	
		For Class 55 Rating, Add	*5,603.87*	
		For Class 56 Rating, Add	*7,427.80*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,852.82	2,270.03
		For Class 52 Rating, Deduct	*-2,905.47*	
		For Class 54 Rating, Add	*4,003.28*	
		For Class 55 Rating, Add	*5,972.73*	
		For Class 56 Rating, Add	*7,915.77*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,499.35	2,272.75
		For Class 52 Rating, Deduct	*-3,086.14*	
		For Class 54 Rating, Add	*4,249.69*	
		For Class 55 Rating, Add	*6,339.09*	
		For Class 56 Rating, Add	*8,400.43*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,157.11	2,275.46
		For Class 52 Rating, Deduct	*-3,268.04*	
		For Class 54 Rating, Add	*4,497.79*	
		For Class 55 Rating, Add	*6,707.95*	
		For Class 56 Rating, Add	*8,888.40*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,801.38	2,278.18
		For Class 52 Rating, Deduct	*-3,448.46*	
		For Class 54 Rating, Add	*4,743.86*	
		For Class 55 Rating, Add	*7,073.80*	
		For Class 56 Rating, Add	*9,372.40*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,447.91	2,280.89
		For Class 52 Rating, Deduct	*-3,629.12*	
		For Class 54 Rating, Add	*4,990.27*	
		For Class 55 Rating, Add	*7,440.16*	
		For Class 56 Rating, Add	*9,857.06*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,105.67	2,283.61
		For Class 52 Rating, Deduct	*-3,811.02*	
		For Class 54 Rating, Add	*5,238.37*	
		For Class 55 Rating, Add	*7,809.02*	
		For Class 56 Rating, Add	*10,345.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,752.19	2,286.32
		For Class 52 Rating, Deduct	*-3,991.69*	
		For Class 54 Rating, Add	*5,484.78*	
		For Class 55 Rating, Add	*8,175.38*	
		For Class 56 Rating, Add	*10,829.69*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,396.47	2,289.04
		For Class 52 Rating, Deduct	*-4,172.11*	
		For Class 54 Rating, Add	*5,730.85*	
		For Class 55 Rating, Add	*8,541.23*	
		For Class 56 Rating, Add	*11,313.68*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,054.23	2,291.76
		For Class 52 Rating, Deduct	*-4,354.01*	
		For Class 54 Rating, Add	*5,978.95*	
		For Class 55 Rating, Add	*8,910.10*	
		For Class 56 Rating, Add	*11,801.66*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,700.75	2,294.46
		For Class 52 Rating, Deduct	*-4,534.67*	
		For Class 54 Rating, Add	*6,225.36*	
		For Class 55 Rating, Add	*9,276.45*	
		For Class 56 Rating, Add	*12,286.32*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,345.03	2,297.18
		For Class 52 Rating, Deduct	*-4,715.09*	
		For Class 54 Rating, Add	*6,471.43*	
		For Class 55 Rating, Add	*9,642.31*	
		For Class 56 Rating, Add	*12,770.31*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,002.79	2,299.90
		For Class 52 Rating, Deduct	*-4,896.99*	
		For Class 54 Rating, Add	*6,719.53*	
		For Class 55 Rating, Add	*10,011.17*	
		For Class 56 Rating, Add	*13,258.29*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,651.56	2,302.62
		For Class 52 Rating, Deduct	*-5,077.90*	
		For Class 54 Rating, Add	*6,966.28*	
		For Class 55 Rating, Add	*10,378.02*	
		For Class 56 Rating, Add	*13,743.61*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,295.85	2,305.33
		For Class 52 Rating, Deduct	*-5,258.32*	
		For Class 54 Rating, Add	*7,212.35*	
		For Class 55 Rating, Add	*10,743.88*	
		For Class 56 Rating, Add	*14,227.61*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,953.60	2,308.04
		For Class 52 Rating, Deduct	*-5,440.22*	
		For Class 54 Rating, Add	*7,460.45*	
		For Class 55 Rating, Add	*11,112.74*	
		For Class 56 Rating, Add	*14,715.58*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,600.12	2,310.76
		For Class 52 Rating, Deduct	*-5,620.89*	
		For Class 54 Rating, Add	*7,706.86*	
		For Class 55 Rating, Add	*11,479.10*	
		For Class 56 Rating, Add	*15,200.24*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,244.41	2,313.47
		For Class 52 Rating, Deduct	*-5,801.31*	
		For Class 54 Rating, Add	*7,952.93*	
		For Class 55 Rating, Add	*11,844.95*	
		For Class 56 Rating, Add	*15,684.24*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,902.16	2,316.19
		For Class 52 Rating, Deduct	*-5,983.21*	
		For Class 54 Rating, Add	*8,201.03*	
		For Class 55 Rating, Add	*12,213.82*	
		For Class 56 Rating, Add	*16,172.21*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,548.68	2,318.91
		For Class 52 Rating, Deduct	*-6,163.87*	
		For Class 54 Rating, Add	*8,447.44*	
		For Class 55 Rating, Add	*12,580.17*	
		For Class 56 Rating, Add	*16,656.87*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,993.00	2,321.63
		For Class 52 Rating, Deduct	*-6,322.29*	
		For Class 54 Rating, Add	*8,663.52*	
		For Class 55 Rating, Add	*12,901.43*	
		For Class 56 Rating, Add	*17,081.87*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,852.97	2,324.33
		For Class 52 Rating, Deduct	*-6,526.44*	
		For Class 54 Rating, Add	*8,941.95*	
		For Class 55 Rating, Add	*13,315.39*	
		For Class 56 Rating, Add	*17,629.50*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,497.24	2,327.06
		For Class 52 Rating, Deduct	*-6,706.86*	
		For Class 54 Rating, Add	*9,188.02*	
		For Class 55 Rating, Add	*13,681.24*	
		For Class 56 Rating, Add	*18,113.50*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,157.25	2,329.77
		For Class 52 Rating, Deduct	*-6,889.00*	
		For Class 54 Rating, Add	*9,436.45*	
		For Class 55 Rating, Add	*14,050.61*	
		For Class 56 Rating, Add	*18,602.13*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,801.53	2,332.48
		For Class 52 Rating, Deduct	*-7,069.42*	
		For Class 54 Rating, Add	*9,682.53*	
		For Class 55 Rating, Add	*14,416.46*	
		For Class 56 Rating, Add	*19,086.13*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,445.81	2,335.19
		For Class 52 Rating, Deduct	*-7,249.84*	
		For Class 54 Rating, Add	*9,928.60*	
		For Class 55 Rating, Add	*14,782.32*	
		For Class 56 Rating, Add	*19,570.13*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,105.82	2,337.91
		For Class 52 Rating, Deduct	*-7,431.99*	
		For Class 54 Rating, Add	*10,177.04*	
		For Class 55 Rating, Add	*15,151.68*	
		For Class 56 Rating, Add	*20,058.76*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,750.10	2,340.64
		For Class 52 Rating, Deduct	*-7,612.41*	
		For Class 54 Rating, Add	*10,423.11*	
		For Class 55 Rating, Add	*15,517.54*	
		For Class 56 Rating, Add	*20,542.76*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,396.63	2,343.34
		For Class 52 Rating, Deduct	*-7,793.07*	
		For Class 54 Rating, Add	*10,669.52*	
		For Class 55 Rating, Add	*15,883.89*	
		For Class 56 Rating, Add	*21,027.42*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,054.38	2,346.06
		For Class 52 Rating, Deduct	*-7,974.97*	
		For Class 54 Rating, Add	*10,917.62*	
		For Class 55 Rating, Add	*16,252.75*	
		For Class 56 Rating, Add	*21,515.39*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	410.59	131.00
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	582.03	167.53
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	827.82	189.75
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,222.18	240.57
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,521.96	266.78
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,909.83	289.79
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,352.68	357.28
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,098.80	428.74
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,813.71	539.89
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,864.92	611.35
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,929.24	809.84
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	14,144.72	917.02
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,836.54	1,048.03
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	31,771.03	1,286.22

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	387.37	131.00
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	544.87	167.53
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	733.38	189.75
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,085.94	240.57
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,348.57	266.78
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,556.85	289.79
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,962.54	357.28
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,573.97	428.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,335.33	539.89
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,422.04	611.35
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,873.39	809.84
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,373.74	917.02
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	20,521.93	1,048.03
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	28,021.38	1,286.22
40 05 19 00-1610		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	385.82	131.00
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	532.49	167.53
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	722.54	189.75
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,054.98	240.57
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,416.69	266.78
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,772.05	289.79
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,010.53	357.28
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,632.80	428.74
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,590.77	539.89
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,004.14	611.35
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,977.12	809.84
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,612.15	917.02
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,997.21	1,048.03
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	28,640.65	1,286.22
40 05 19 00-1625		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	424.52	131.00
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	605.25	167.53
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	753.51	189.75
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,164.90	240.57
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,619.50	266.78
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,824.68	289.79
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,230.37	357.28
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,632.80	428.74
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,590.77	539.89
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,213.15	611.35
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,080.85	809.84
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,714.33	917.02
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	21,105.58	1,048.03
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,858.94	1,286.22
40 05 19 00-1640		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	552.82	149.27
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	688.87	160.38
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	776.92	178.64
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,052.48	185.78
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,109.56	204.05
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,214.65	215.16
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,131.75	199.29
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,277.09	217.55
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,473.51	228.66
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,567.74	254.07
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,473.51	228.66
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,635.89	239.77
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,823.00	265.18
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,021.50	278.68
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,699.58	262.41
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,835.63	273.52
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,111.00	298.92
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,307.34	312.02
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,473.40	323.54
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,990.59	298.13
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,392.91	309.25
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,460.83	334.66
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,599.89	347.76
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,824.79	359.27
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,080.28	393.02
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,576.39	353.71
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,752.71	364.83
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,427.49	390.23
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,557.26	403.33
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,930.78	414.85
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,834.83	448.59
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,080.93	484.32
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,649.22	389.44
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,827.07	400.55

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,119.47	425.96
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,331.29	439.06
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,731.12	450.57
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,099.62	484.32
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,217.23	520.05
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,494.93	514.29
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,550.00	538.30
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,977.71	549.82
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,874.12	583.56
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,166.79	619.29
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,608.74	674.87
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,204.72	710.59
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,057.16	591.90
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,768.41	603.41
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,536.00	637.16
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,488.29	672.88
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,926.91	728.46
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,010.57	764.19
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,870.00	863.44
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,109.62	668.91
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,555.18	702.66
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,304.89	738.38
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,997.41	793.96
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,678.21	829.69
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,485.22	928.94
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,177.19	982.52
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,049.64	958.70
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,238.94	1,057.95
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,032.30	1,111.55
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	35,901.75	1,177.05

40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	495.74	131.00
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	772.45	167.53
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,146.74	189.75
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,637.09	240.57
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,328.55	266.78
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,719.52	289.79
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,532.38	357.28
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,379.13	428.74
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,981.13	539.89
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,828.10	611.35
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,600.15	809.84
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,819.17	917.02
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	37,019.12	1,048.03

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-0001)*

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	525.15	131.00
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	715.17	167.53
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,186.99	189.75
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,607.67	240.57
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,172.19	266.78
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,570.90	289.79
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,176.30	357.28
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,995.18	428.74
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,278.27	539.89
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,490.49	611.35
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,322.69	809.84
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,674.53	917.02
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	32,975.33	1,048.03
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	35,522.22	1,286.22

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-0001)*

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	705.83	210.40
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	875.20	258.83
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,244.47	289.00
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,795.15	375.55
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,404.22	409.68
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,242.24	440.64
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,661.28	555.77
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,473.61	635.17
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,642.74	801.90
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,373.05	885.27
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,310.62	1,222.70
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,704.26	1,401.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	43,091.71	1,619.68
40 05 19 00-1748		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	890.19	235.01
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,112.61	239.77
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,105.68	269.95
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,477.76	265.18
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,452.27	295.36
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,530.68	314.40
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,885.26	278.68
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,873.68	308.85
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,978.41	327.91
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,357.45	389.04
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,772.16	289.79
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,704.86	319.97
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,823.52	339.02
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,973.44	400.16
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,153.94	421.20
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,368.24	323.54
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,091.93	353.71
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,037.20	372.76
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,564.86	433.90
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,452.77	454.94
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,856.90	474.39
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,126.79	359.27
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,085.69	389.44
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,729.18	408.50
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,730.47	469.63
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,064.23	490.66
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,442.05	510.12
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,743.39	591.50
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,199.16	414.85
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,563.25	445.01
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,655.59	464.07
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,844.21	525.20
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,034.00	546.25
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,095.98	565.70
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,143.53	647.08
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,273.17	690.74
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,068.73	450.57
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,222.71	480.74
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,460.58	499.80
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,669.32	560.94
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,363.81	581.97
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,520.23	601.42
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,727.14	682.81
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,875.58	726.48
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,175.55	776.30
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,814.86	579.98
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,876.24	599.04
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,174.78	660.18
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,206.66	681.22
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,236.14	700.67
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,461.62	782.05
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,595.90	825.72
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,933.05	936.87
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,318.31	984.51
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,912.48	830.08
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,961.76	845.17
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,061.38	888.44
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,189.43	905.51
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,246.95	920.99
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,402.29	978.56
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,496.49	1,018.26
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,759.04	1,101.62
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,130.27	1,143.30
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,470.07	1,312.02
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,826.25	718.14
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,231.26	779.27
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,263.14	800.32
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,328.23	819.77
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,524.30	901.15
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,773.15	944.81
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,941.56	1,055.97
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,304.79	1,103.61
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,073.52	1,341.79
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	41,257.80	1,466.84
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,834.18	929.33
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,863.65	948.78
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,095.32	1,030.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,161.48	1,073.83
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,473.89	1,184.98
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,801.51	1,232.62
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,673.29	1,470.82
40 05 19 00-1830		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	764.66	210.40
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,043.95	258.83
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,535.53	289.00
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,344.75	375.55
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,165.92	409.68
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,539.49	440.64
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,392.01	555.77
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,342.12	635.17
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,141.36	801.90
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,326.83	885.27
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,352.76	1,222.70
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,789.85	1,401.34
40 05 19 00-1843		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	616.04	210.40
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	867.46	258.83
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,267.69	289.00
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,666.66	375.55
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,396.48	409.68
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,124.58	440.64
40 05 19 00-1850		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	846.25	289.79
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,127.56	314.01
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,191.57	350.14
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,401.66	319.18
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,525.80	361.25
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,577.53	388.24
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,824.08	344.58
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,007.06	386.66
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,196.58	413.65
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,727.29	510.52
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,376.51	357.68
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,499.09	399.76
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,690.16	426.75
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,250.29	523.62
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,051.14	552.60
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,990.28	411.27
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,179.80	438.26
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,534.01	535.13
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,845.76	564.11
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,034.33	591.50
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,575.52	445.01
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,792.91	472.01
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,147.13	568.87
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,488.27	597.86
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,293.14	625.24
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,079.79	754.27
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,719.45	480.74
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,935.29	507.74
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,230.67	604.60
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,570.28	633.58
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,262.01	660.98
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,725.33	789.99
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,981.56	841.60
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,861.04	536.32
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,092.37	563.32
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,366.08	660.18
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,728.91	689.16
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,833.89	716.55
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,113.09	845.56
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,381.70	897.17
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,081.74	1,063.91
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,444.77	572.05
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,611.06	599.04
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,980.77	695.91
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,216.64	724.89
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,354.13	752.28
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,772.55	881.30
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,114.15	932.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,685.65	1,038.31
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,762.10	1,159.19
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,935.64	824.14
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,011.20	851.52
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,445.09	980.55
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,591.40	1,032.15
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,220.24	1,198.88
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,236.59	1,258.43
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,546.58	1,635.56
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,881.24	1,048.43
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,916.73	1,071.84
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,283.58	1,177.05
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,422.34	1,224.69
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,940.93	1,363.63
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,568.63	1,417.22
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,143.82	1,724.88
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,571.89	1,885.65
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,026.18	943.22
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,067.68	970.62
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,481.46	1,099.63
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,595.26	1,151.24
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,176.10	1,317.98
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,812.81	1,377.52
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,519.69	1,754.65
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	47,781.72	1,951.15
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,291.25	2,191.33
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,600.01	1,099.63
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,015.34	1,228.66
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,129.13	1,280.26
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,672.81	1,447.00
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,309.54	1,506.54
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,864.03	1,883.67

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	452.19	149.27
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	582.05	160.38
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	640.68	178.64
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	787.75	185.78
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	792.19	204.05
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	929.79	215.16
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,012.55	199.29
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,044.87	217.55
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,146.85	228.66
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,290.62	254.07
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,599.11	217.55
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,264.51	228.66
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,400.57	239.77
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,539.69	265.18
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,493.58	278.68
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,894.85	244.14
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,524.64	262.41
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,436.21	273.52
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,601.65	298.92
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,994.61	312.02
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,148.29	323.54
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,399.31	298.13
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,889.76	309.25
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,076.88	334.66
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,061.13	347.76
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,378.92	359.27
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,369.67	393.02
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,447.90	353.71
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,370.31	364.83
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,568.26	390.23
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,499.87	403.33
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,893.51	414.85
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,706.22	448.59
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,348.65	484.32
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,220.19	400.55
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,641.09	425.96
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,919.48	439.06
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,023.61	450.57
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,546.82	484.32
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,292.97	520.05
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,539.71	514.29
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,209.85	583.56
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,469.90	619.29
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,964.37	674.87
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,701.24	710.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,511.12	637.16
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,939.91	672.88
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,502.49	728.46
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,343.09	764.19
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,927.06	863.44
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,512.45	829.69
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,409.14	928.94
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,566.43	982.52
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,457.58	958.70
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,719.64	1,057.95
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	23,167.98	1,111.55
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,962.56	1,177.05

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	493.99	149.27
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	630.04	160.38
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	716.54	178.64
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	787.75	185.78
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	843.28	204.05
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	977.79	215.16
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,012.55	199.29
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,100.60	217.55
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,205.68	228.66
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,392.80	254.07
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,264.51	228.66
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,371.15	239.77
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,528.85	265.18
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,755.22	278.68
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,524.64	262.41
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,657.59	273.52
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,844.72	298.92
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,042.60	312.02
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,148.29	323.54
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,889.76	309.25
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,076.88	334.66
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,274.77	347.76
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,378.92	359.27
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,608.09	393.02
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,779.20	353.71
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,529.77	364.83
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,568.26	390.23
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,811.05	403.33
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,893.51	414.85
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,164.48	448.59
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,347.10	484.32
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,539.12	400.55
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,641.09	425.96
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,724.41	439.06
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,805.32	450.57
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,080.93	484.32
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,292.97	520.05
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,539.71	514.29
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,457.64	549.82
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,268.79	583.56
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,503.96	619.29
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,964.37	674.87
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,701.24	710.59
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,579.24	637.16
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,939.91	672.88
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,468.43	728.46
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,305.94	764.19
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,893.00	863.44
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,512.45	829.69
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,229.11	928.94
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,566.43	982.52
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,719.64	1,057.95
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	23,167.98	1,111.55
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,962.56	1,177.05

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	175.73	51.61
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	264.11	76.22
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	386.39	90.52
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	534.65	105.60
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	692.36	123.86
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	919.58	138.94
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,099.83	158.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,488.66	222.31
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,980.04	277.89
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,830.40	337.43
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,004.53	393.02
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,198.14	432.71
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,171.75	476.38
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,458.93	535.92

40 05 19 00-2059 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-2060 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2059)*

40 05 19 00-2061 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2062	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,094.73	227.07
		For Class 52 Rating, Deduct	*-82.57*	
		For Class 54 Rating, Add	*116.73*	
		For Class 55 Rating, Add	*175.66*	
		For Class 56 Rating, Add	*233.84*	
40 05 19 00-2063	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,207.57	231.04
		For Class 52 Rating, Deduct	*-94.33*	
		For Class 54 Rating, Add	*132.83*	
		For Class 55 Rating, Add	*199.63*	
		For Class 56 Rating, Add	*265.57*	
40 05 19 00-2064	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,320.42	235.01
		For Class 52 Rating, Deduct	*-106.08*	
		For Class 54 Rating, Add	*148.93*	
		For Class 55 Rating, Add	*223.60*	
		For Class 56 Rating, Add	*297.30*	
40 05 19 00-2065	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,433.29	238.98
		For Class 52 Rating, Deduct	*-117.83*	
		For Class 54 Rating, Add	*165.02*	
		For Class 55 Rating, Add	*247.57*	
		For Class 56 Rating, Add	*329.04*	
40 05 19 00-2066	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,546.14	242.96
		For Class 52 Rating, Deduct	*-129.58*	
		For Class 54 Rating, Add	*181.12*	
		For Class 55 Rating, Add	*271.54*	
		For Class 56 Rating, Add	*360.77*	
40 05 19 00-2067	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,658.99	246.92
		For Class 52 Rating, Deduct	*-141.33*	
		For Class 54 Rating, Add	*197.22*	
		For Class 55 Rating, Add	*295.50*	
		For Class 56 Rating, Add	*392.50*	
40 05 19 00-2068	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,771.84	250.89
		For Class 52 Rating, Deduct	*-153.09*	
		For Class 54 Rating, Add	*213.32*	
		For Class 55 Rating, Add	*319.47*	
		For Class 56 Rating, Add	*424.24*	
40 05 19 00-2069	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,884.69	254.86
		For Class 52 Rating, Deduct	*-164.84*	
		For Class 54 Rating, Add	*229.41*	
		For Class 55 Rating, Add	*343.44*	
		For Class 56 Rating, Add	*455.97*	
40 05 19 00-2070	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,997.55	258.83
		For Class 52 Rating, Deduct	*-176.59*	
		For Class 54 Rating, Add	*245.51*	
		For Class 55 Rating, Add	*367.41*	
		For Class 56 Rating, Add	*487.71*	
40 05 19 00-2071	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,110.40	262.80
		For Class 52 Rating, Deduct	*-188.34*	
		For Class 54 Rating, Add	*261.61*	
		For Class 55 Rating, Add	*391.38*	
		For Class 56 Rating, Add	*519.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,223.24	266.78
		For Class 52 Rating, Deduct	*-200.10*	
		For Class 54 Rating, Add	*277.71*	
		For Class 55 Rating, Add	*415.35*	
		For Class 56 Rating, Add	*551.17*	
40 05 19 00-2073	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,336.11	270.74
		For Class 52 Rating, Deduct	*-211.85*	
		For Class 54 Rating, Add	*293.81*	
		For Class 55 Rating, Add	*439.32*	
		For Class 56 Rating, Add	*582.91*	
40 05 19 00-2074	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,448.96	274.71
		For Class 52 Rating, Deduct	*-223.60*	
		For Class 54 Rating, Add	*309.90*	
		For Class 55 Rating, Add	*463.29*	
		For Class 56 Rating, Add	*614.64*	
40 05 19 00-2075	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,561.82	278.68
		For Class 52 Rating, Deduct	*-235.35*	
		For Class 54 Rating, Add	*326.00*	
		For Class 55 Rating, Add	*487.26*	
		For Class 56 Rating, Add	*646.37*	
40 05 19 00-2076	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,674.66	282.65
		For Class 52 Rating, Deduct	*-247.10*	
		For Class 54 Rating, Add	*342.10*	
		For Class 55 Rating, Add	*511.23*	
		For Class 56 Rating, Add	*678.11*	
40 05 19 00-2077	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,787.51	286.62
		For Class 52 Rating, Deduct	*-258.86*	
		For Class 54 Rating, Add	*358.20*	
		For Class 55 Rating, Add	*535.20*	
		For Class 56 Rating, Add	*709.84*	
40 05 19 00-2078	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,900.37	290.59
		For Class 52 Rating, Deduct	*-270.61*	
		For Class 54 Rating, Add	*374.30*	
		For Class 55 Rating, Add	*559.16*	
		For Class 56 Rating, Add	*741.57*	
40 05 19 00-2079	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,013.22	294.56
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*390.39*	
		For Class 55 Rating, Add	*583.13*	
		For Class 56 Rating, Add	*773.31*	
40 05 19 00-2080	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,126.07	298.53
		For Class 52 Rating, Deduct	*-294.11*	
		For Class 54 Rating, Add	*406.49*	
		For Class 55 Rating, Add	*607.10*	
		For Class 56 Rating, Add	*805.04*	
40 05 19 00-2081	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,238.92	302.50
		For Class 52 Rating, Deduct	*-305.86*	
		For Class 54 Rating, Add	*422.59*	
		For Class 55 Rating, Add	*631.07*	
		For Class 56 Rating, Add	*836.77*	
40 05 19 00-2082	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,351.78	306.47
		For Class 52 Rating, Deduct	*-317.62*	
		For Class 54 Rating, Add	*438.69*	
		For Class 55 Rating, Add	*655.04*	
		For Class 56 Rating, Add	*868.51*	
40 05 19 00-2083	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,464.64	310.44
		For Class 52 Rating, Deduct	*-329.37*	
		For Class 54 Rating, Add	*454.78*	
		For Class 55 Rating, Add	*679.01*	
		For Class 56 Rating, Add	*900.24*	
40 05 19 00-2084	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,577.49	314.40
		For Class 52 Rating, Deduct	*-341.12*	
		For Class 54 Rating, Add	*470.88*	
		For Class 55 Rating, Add	*702.98*	
		For Class 56 Rating, Add	*931.98*	
40 05 19 00-2085	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,690.33	318.38
		For Class 52 Rating, Deduct	*-352.87*	
		For Class 54 Rating, Add	*486.98*	
		For Class 55 Rating, Add	*726.95*	
		For Class 56 Rating, Add	*963.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2086	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,803.19	322.35
		For Class 52 Rating, Deduct	*-364.63*	
		For Class 54 Rating, Add	*503.08*	
		For Class 55 Rating, Add	*750.92*	
		For Class 56 Rating, Add	*995.44*	
40 05 19 00-2087	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,916.04	326.32
		For Class 52 Rating, Deduct	*-376.38*	
		For Class 54 Rating, Add	*519.18*	
		For Class 55 Rating, Add	*774.89*	
		For Class 56 Rating, Add	*1,027.18*	
40 05 19 00-2088	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,028.89	330.29
		For Class 52 Rating, Deduct	*-388.13*	
		For Class 54 Rating, Add	*535.27*	
		For Class 55 Rating, Add	*798.86*	
		For Class 56 Rating, Add	*1,058.91*	
40 05 19 00-2089	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,141.75	334.26
		For Class 52 Rating, Deduct	*-399.88*	
		For Class 54 Rating, Add	*551.37*	
		For Class 55 Rating, Add	*822.83*	
		For Class 56 Rating, Add	*1,090.65*	
40 05 19 00-2090	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,254.59	338.22
		For Class 52 Rating, Deduct	*-411.63*	
		For Class 54 Rating, Add	*567.47*	
		For Class 55 Rating, Add	*846.79*	
		For Class 56 Rating, Add	*1,122.38*	
40 05 19 00-2091	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,367.45	342.19
		For Class 52 Rating, Deduct	*-423.39*	
		For Class 54 Rating, Add	*583.57*	
		For Class 55 Rating, Add	*870.76*	
		For Class 56 Rating, Add	*1,154.11*	
40 05 19 00-2092	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,480.31	346.17
		For Class 52 Rating, Deduct	*-435.14*	
		For Class 54 Rating, Add	*599.67*	
		For Class 55 Rating, Add	*894.73*	
		For Class 56 Rating, Add	*1,185.85*	
40 05 19 00-2093	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.16	350.14
		For Class 52 Rating, Deduct	*-446.89*	
		For Class 54 Rating, Add	*615.76*	
		For Class 55 Rating, Add	*918.70*	
		For Class 56 Rating, Add	*1,217.58*	
40 05 19 00-2094	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,706.01	354.11
		For Class 52 Rating, Deduct	*-458.64*	
		For Class 54 Rating, Add	*631.86*	
		For Class 55 Rating, Add	*942.67*	
		For Class 56 Rating, Add	*1,249.31*	
40 05 19 00-2095	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,818.86	358.08
		For Class 52 Rating, Deduct	*-470.40*	
		For Class 54 Rating, Add	*647.96*	
		For Class 55 Rating, Add	*966.64*	
		For Class 56 Rating, Add	*1,281.05*	
40 05 19 00-2096	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,931.71	362.04
		For Class 52 Rating, Deduct	*-482.15*	
		For Class 54 Rating, Add	*664.06*	
		For Class 55 Rating, Add	*990.61*	
		For Class 56 Rating, Add	*1,312.78*	
40 05 19 00-2097	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,044.57	366.01
		For Class 52 Rating, Deduct	*-493.90*	
		For Class 54 Rating, Add	*680.15*	
		For Class 55 Rating, Add	*1,014.58*	
		For Class 56 Rating, Add	*1,344.51*	
40 05 19 00-2098	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,157.42	369.99
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*696.25*	
		For Class 55 Rating, Add	*1,038.55*	
		For Class 56 Rating, Add	*1,376.25*	
40 05 19 00-2099	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,270.27	373.96
		For Class 52 Rating, Deduct	*-517.40*	
		For Class 54 Rating, Add	*712.35*	
		For Class 55 Rating, Add	*1,062.52*	
		For Class 56 Rating, Add	*1,407.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2100	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,383.13	377.93
		For Class 52 Rating, Deduct	*-529.16*	
		For Class 54 Rating, Add	*728.45*	
		For Class 55 Rating, Add	*1,086.49*	
		For Class 56 Rating, Add	*1,439.71*	
40 05 19 00-2101		6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2102	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,369.31	285.82
		For Class 52 Rating, Deduct	*-102.99*	
		For Class 54 Rating, Add	*145.63*	
		For Class 55 Rating, Add	*219.18*	
		For Class 56 Rating, Add	*291.78*	
40 05 19 00-2103	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,499.02	289.79
		For Class 52 Rating, Deduct	*-116.59*	
		For Class 54 Rating, Add	*164.26*	
		For Class 55 Rating, Add	*246.90*	
		For Class 56 Rating, Add	*328.49*	
40 05 19 00-2104	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,628.75	293.77
		For Class 52 Rating, Deduct	*-130.20*	
		For Class 54 Rating, Add	*182.89*	
		For Class 55 Rating, Add	*274.64*	
		For Class 56 Rating, Add	*365.20*	
40 05 19 00-2105	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,758.48	297.74
		For Class 52 Rating, Deduct	*-143.81*	
		For Class 54 Rating, Add	*201.52*	
		For Class 55 Rating, Add	*302.37*	
		For Class 56 Rating, Add	*401.91*	
40 05 19 00-2106	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,888.19	301.71
		For Class 52 Rating, Deduct	*-157.42*	
		For Class 54 Rating, Add	*220.14*	
		For Class 55 Rating, Add	*330.10*	
		For Class 56 Rating, Add	*438.62*	
40 05 19 00-2107	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,017.91	305.67
		For Class 52 Rating, Deduct	*-171.02*	
		For Class 54 Rating, Add	*238.77*	
		For Class 55 Rating, Add	*357.83*	
		For Class 56 Rating, Add	*475.33*	
40 05 19 00-2108	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,147.64	309.64
		For Class 52 Rating, Deduct	*-184.63*	
		For Class 54 Rating, Add	*257.40*	
		For Class 55 Rating, Add	*385.56*	
		For Class 56 Rating, Add	*512.04*	
40 05 19 00-2109	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,277.35	313.61
		For Class 52 Rating, Deduct	*-198.24*	
		For Class 54 Rating, Add	*276.03*	
		For Class 55 Rating, Add	*413.29*	
		For Class 56 Rating, Add	*548.75*	
40 05 19 00-2110	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,407.08	317.59
		For Class 52 Rating, Deduct	*-211.85*	
		For Class 54 Rating, Add	*294.66*	
		For Class 55 Rating, Add	*441.02*	
		For Class 56 Rating, Add	*585.46*	
40 05 19 00-2111	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.80	321.56
		For Class 52 Rating, Deduct	*-225.46*	
		For Class 54 Rating, Add	*313.29*	
		For Class 55 Rating, Add	*468.75*	
		For Class 56 Rating, Add	*622.17*	
40 05 19 00-2112	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,666.52	325.53
		For Class 52 Rating, Deduct	*-239.06*	
		For Class 54 Rating, Add	*331.91*	
		For Class 55 Rating, Add	*496.48*	
		For Class 56 Rating, Add	*658.88*	
40 05 19 00-2113	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,796.25	329.49
		For Class 52 Rating, Deduct	*-252.67*	
		For Class 54 Rating, Add	*350.54*	
		For Class 55 Rating, Add	*524.21*	
		For Class 56 Rating, Add	*695.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2114	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,925.97	333.46
		For Class 52 Rating, Deduct	*-266.28*	
		For Class 54 Rating, Add	*369.17*	
		For Class 55 Rating, Add	*551.95*	
		For Class 56 Rating, Add	*732.30*	
40 05 19 00-2115	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,055.69	337.43
		For Class 52 Rating, Deduct	*-279.89*	
		For Class 54 Rating, Add	*387.80*	
		For Class 55 Rating, Add	*579.68*	
		For Class 56 Rating, Add	*769.01*	
40 05 19 00-2116	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,185.41	341.40
		For Class 52 Rating, Deduct	*-293.49*	
		For Class 54 Rating, Add	*406.43*	
		For Class 55 Rating, Add	*607.41*	
		For Class 56 Rating, Add	*805.72*	
40 05 19 00-2117	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,315.13	345.38
		For Class 52 Rating, Deduct	*-307.10*	
		For Class 54 Rating, Add	*425.06*	
		For Class 55 Rating, Add	*635.14*	
		For Class 56 Rating, Add	*842.43*	
40 05 19 00-2118	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,444.86	349.35
		For Class 52 Rating, Deduct	*-320.71*	
		For Class 54 Rating, Add	*443.68*	
		For Class 55 Rating, Add	*662.87*	
		For Class 56 Rating, Add	*879.14*	
40 05 19 00-2119	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,574.57	353.31
		For Class 52 Rating, Deduct	*-334.32*	
		For Class 54 Rating, Add	*462.31*	
		For Class 55 Rating, Add	*690.60*	
		For Class 56 Rating, Add	*915.85*	
40 05 19 00-2120	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,704.29	357.28
		For Class 52 Rating, Deduct	*-347.93*	
		For Class 54 Rating, Add	*480.94*	
		For Class 55 Rating, Add	*718.33*	
		For Class 56 Rating, Add	*952.56*	
40 05 19 00-2121	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,834.03	361.25
		For Class 52 Rating, Deduct	*-361.53*	
		For Class 54 Rating, Add	*499.57*	
		For Class 55 Rating, Add	*746.06*	
		For Class 56 Rating, Add	*989.27*	
40 05 19 00-2122	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,963.74	365.22
		For Class 52 Rating, Deduct	*-375.14*	
		For Class 54 Rating, Add	*518.20*	
		For Class 55 Rating, Add	*773.79*	
		For Class 56 Rating, Add	*1,025.98*	
40 05 19 00-2123	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,093.46	369.20
		For Class 52 Rating, Deduct	*-388.75*	
		For Class 54 Rating, Add	*536.82*	
		For Class 55 Rating, Add	*801.52*	
		For Class 56 Rating, Add	*1,062.69*	
40 05 19 00-2124	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,223.19	373.16
		For Class 52 Rating, Deduct	*-402.36*	
		For Class 54 Rating, Add	*555.45*	
		For Class 55 Rating, Add	*829.26*	
		For Class 56 Rating, Add	*1,099.40*	
40 05 19 00-2125	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,352.90	377.13
		For Class 52 Rating, Deduct	*-415.96*	
		For Class 54 Rating, Add	*574.08*	
		For Class 55 Rating, Add	*856.99*	
		For Class 56 Rating, Add	*1,136.11*	
40 05 19 00-2126	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,482.62	381.10
		For Class 52 Rating, Deduct	*-429.57*	
		For Class 54 Rating, Add	*592.71*	
		For Class 55 Rating, Add	*884.72*	
		For Class 56 Rating, Add	*1,172.82*	
40 05 19 00-2127	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,612.35	385.07
		For Class 52 Rating, Deduct	*-443.18*	
		For Class 54 Rating, Add	*611.34*	
		For Class 55 Rating, Add	*912.45*	
		For Class 56 Rating, Add	*1,209.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2128	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,742.07	389.04
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*629.97*	
		For Class 55 Rating, Add	*940.18*	
		For Class 56 Rating, Add	*1,246.24*	
40 05 19 00-2129	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,871.80	393.02
		For Class 52 Rating, Deduct	*-470.40*	
		For Class 54 Rating, Add	*648.59*	
		For Class 55 Rating, Add	*967.91*	
		For Class 56 Rating, Add	*1,282.95*	
40 05 19 00-2130	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,001.52	396.98
		For Class 52 Rating, Deduct	*-484.00*	
		For Class 54 Rating, Add	*667.22*	
		For Class 55 Rating, Add	*995.64*	
		For Class 56 Rating, Add	*1,319.66*	
40 05 19 00-2131	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,131.24	400.95
		For Class 52 Rating, Deduct	*-497.61*	
		For Class 54 Rating, Add	*685.85*	
		For Class 55 Rating, Add	*1,023.37*	
		For Class 56 Rating, Add	*1,356.37*	
40 05 19 00-2132	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,260.96	404.92
		For Class 52 Rating, Deduct	*-511.22*	
		For Class 54 Rating, Add	*704.48*	
		For Class 55 Rating, Add	*1,051.10*	
		For Class 56 Rating, Add	*1,393.08*	
40 05 19 00-2133	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,390.68	408.89
		For Class 52 Rating, Deduct	*-524.83*	
		For Class 54 Rating, Add	*723.11*	
		For Class 55 Rating, Add	*1,078.84*	
		For Class 56 Rating, Add	*1,429.79*	
40 05 19 00-2134	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,520.40	412.86
		For Class 52 Rating, Deduct	*-538.43*	
		For Class 54 Rating, Add	*741.74*	
		For Class 55 Rating, Add	*1,106.57*	
		For Class 56 Rating, Add	*1,466.50*	
40 05 19 00-2135	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,650.12	416.83
		For Class 52 Rating, Deduct	*-552.04*	
		For Class 54 Rating, Add	*760.36*	
		For Class 55 Rating, Add	*1,134.30*	
		For Class 56 Rating, Add	*1,503.21*	
40 05 19 00-2136	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,779.84	420.80
		For Class 52 Rating, Deduct	*-565.65*	
		For Class 54 Rating, Add	*778.99*	
		For Class 55 Rating, Add	*1,162.03*	
		For Class 56 Rating, Add	*1,539.92*	
40 05 19 00-2137	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,909.57	424.77
		For Class 52 Rating, Deduct	*-579.26*	
		For Class 54 Rating, Add	*797.62*	
		For Class 55 Rating, Add	*1,189.76*	
		For Class 56 Rating, Add	*1,576.63*	
40 05 19 00-2138	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,039.29	428.74
		For Class 52 Rating, Deduct	*-592.86*	
		For Class 54 Rating, Add	*816.25*	
		For Class 55 Rating, Add	*1,217.49*	
		For Class 56 Rating, Add	*1,613.34*	
40 05 19 00-2139	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,169.01	432.71
		For Class 52 Rating, Deduct	*-606.47*	
		For Class 54 Rating, Add	*834.88*	
		For Class 55 Rating, Add	*1,245.22*	
		For Class 56 Rating, Add	*1,650.05*	
40 05 19 00-2140	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,298.74	436.68
		For Class 52 Rating, Deduct	*-620.08*	
		For Class 54 Rating, Add	*853.50*	
		For Class 55 Rating, Add	*1,272.95*	
		For Class 56 Rating, Add	*1,686.76*	

40 05 19 00-2141 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2142	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,905.71	365.22
		For Class 52 Rating, Deduct	*-148.76*	
		For Class 54 Rating, Add	*209.49*	
		For Class 55 Rating, Add	*314.85*	
		For Class 56 Rating, Add	*418.86*	
40 05 19 00-2143	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,071.98	369.20
		For Class 52 Rating, Deduct	*-166.39*	
		For Class 54 Rating, Add	*233.60*	
		For Class 55 Rating, Add	*350.73*	
		For Class 56 Rating, Add	*466.35*	
40 05 19 00-2144	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,238.25	373.16
		For Class 52 Rating, Deduct	*-184.01*	
		For Class 54 Rating, Add	*257.71*	
		For Class 55 Rating, Add	*386.62*	
		For Class 56 Rating, Add	*518.85*	
40 05 19 00-2145	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,404.52	377.13
		For Class 52 Rating, Deduct	*-201.64*	
		For Class 54 Rating, Add	*281.82*	
		For Class 55 Rating, Add	*422.50*	
		For Class 56 Rating, Add	*561.34*	
40 05 19 00-2146	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,570.79	381.10
		For Class 52 Rating, Deduct	*-219.27*	
		For Class 54 Rating, Add	*305.93*	
		For Class 55 Rating, Add	*458.38*	
		For Class 56 Rating, Add	*608.83*	
40 05 19 00-2147	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,737.06	385.07
		For Class 52 Rating, Deduct	*-236.90*	
		For Class 54 Rating, Add	*330.04*	
		For Class 55 Rating, Add	*494.26*	
		For Class 56 Rating, Add	*656.32*	
40 05 19 00-2148	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,903.33	389.04
		For Class 52 Rating, Deduct	*-254.53*	
		For Class 54 Rating, Add	*354.16*	
		For Class 55 Rating, Add	*530.14*	
		For Class 56 Rating, Add	*703.81*	
40 05 19 00-2149	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,069.62	393.02
		For Class 52 Rating, Deduct	*-272.16*	
		For Class 54 Rating, Add	*378.27*	
		For Class 55 Rating, Add	*566.02*	
		For Class 56 Rating, Add	*751.31*	
40 05 19 00-2150	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,235.88	396.98
		For Class 52 Rating, Deduct	*-289.78*	
		For Class 54 Rating, Add	*402.38*	
		For Class 55 Rating, Add	*601.90*	
		For Class 56 Rating, Add	*798.80*	
40 05 19 00-2151	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,402.15	400.95
		For Class 52 Rating, Deduct	*-307.41*	
		For Class 54 Rating, Add	*426.49*	
		For Class 55 Rating, Add	*637.79*	
		For Class 56 Rating, Add	*846.29*	
40 05 19 00-2152	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,568.43	404.92
		For Class 52 Rating, Deduct	*-325.04*	
		For Class 54 Rating, Add	*450.60*	
		For Class 55 Rating, Add	*673.67*	
		For Class 56 Rating, Add	*893.79*	
40 05 19 00-2153	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,734.69	408.89
		For Class 52 Rating, Deduct	*-342.67*	
		For Class 54 Rating, Add	*474.71*	
		For Class 55 Rating, Add	*709.55*	
		For Class 56 Rating, Add	*941.28*	
40 05 19 00-2154	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,900.96	412.86
		For Class 52 Rating, Deduct	*-360.30*	
		For Class 54 Rating, Add	*498.82*	
		For Class 55 Rating, Add	*745.43*	
		For Class 56 Rating, Add	*988.77*	
40 05 19 00-2155	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,067.24	416.83
		For Class 52 Rating, Deduct	*-377.92*	
		For Class 54 Rating, Add	*522.93*	
		For Class 55 Rating, Add	*781.31*	
		For Class 56 Rating, Add	*1,036.26*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2156	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,233.50	420.80
		For Class 52 Rating, Deduct	*-395.55*	
		For Class 54 Rating, Add	*547.04*	
		For Class 55 Rating, Add	*817.19*	
		For Class 56 Rating, Add	*1,083.75*	
40 05 19 00-2157	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,399.78	424.77
		For Class 52 Rating, Deduct	*-413.18*	
		For Class 54 Rating, Add	*571.15*	
		For Class 55 Rating, Add	*853.08*	
		For Class 56 Rating, Add	*1,131.25*	
40 05 19 00-2158	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,566.06	428.74
		For Class 52 Rating, Deduct	*-430.81*	
		For Class 54 Rating, Add	*595.26*	
		For Class 55 Rating, Add	*888.96*	
		For Class 56 Rating, Add	*1,178.74*	
40 05 19 00-2159	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,732.32	432.71
		For Class 52 Rating, Deduct	*-448.44*	
		For Class 54 Rating, Add	*619.37*	
		For Class 55 Rating, Add	*924.84*	
		For Class 56 Rating, Add	*1,226.23*	
40 05 19 00-2160	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,898.60	436.68
		For Class 52 Rating, Deduct	*-466.07*	
		For Class 54 Rating, Add	*643.48*	
		For Class 55 Rating, Add	*960.72*	
		For Class 56 Rating, Add	*1,273.72*	
40 05 19 00-2161	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,064.87	440.64
		For Class 52 Rating, Deduct	*-483.69*	
		For Class 54 Rating, Add	*667.59*	
		For Class 55 Rating, Add	*996.60*	
		For Class 56 Rating, Add	*1,321.22*	
40 05 19 00-2162	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,231.13	444.62
		For Class 52 Rating, Deduct	*-501.32*	
		For Class 54 Rating, Add	*691.70*	
		For Class 55 Rating, Add	*1,032.48*	
		For Class 56 Rating, Add	*1,368.71*	
40 05 19 00-2163	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,397.41	448.59
		For Class 52 Rating, Deduct	*-518.95*	
		For Class 54 Rating, Add	*715.82*	
		For Class 55 Rating, Add	*1,068.37*	
		For Class 56 Rating, Add	*1,416.20*	
40 05 19 00-2164	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,563.68	452.56
		For Class 52 Rating, Deduct	*-536.58*	
		For Class 54 Rating, Add	*739.93*	
		For Class 55 Rating, Add	*1,104.25*	
		For Class 56 Rating, Add	*1,463.69*	
40 05 19 00-2165	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,729.95	456.53
		For Class 52 Rating, Deduct	*-554.21*	
		For Class 54 Rating, Add	*764.04*	
		For Class 55 Rating, Add	*1,140.13*	
		For Class 56 Rating, Add	*1,511.18*	
40 05 19 00-2166	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,896.22	460.50
		For Class 52 Rating, Deduct	*-571.84*	
		For Class 54 Rating, Add	*788.15*	
		For Class 55 Rating, Add	*1,176.01*	
		For Class 56 Rating, Add	*1,558.68*	
40 05 19 00-2167	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,062.50	464.46
		For Class 52 Rating, Deduct	*-589.46*	
		For Class 54 Rating, Add	*812.26*	
		For Class 55 Rating, Add	*1,211.89*	
		For Class 56 Rating, Add	*1,606.17*	
40 05 19 00-2168	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,228.77	468.43
		For Class 52 Rating, Deduct	*-607.09*	
		For Class 54 Rating, Add	*836.37*	
		For Class 55 Rating, Add	*1,247.77*	
		For Class 56 Rating, Add	*1,653.66*	
40 05 19 00-2169	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,395.04	472.41
		For Class 52 Rating, Deduct	*-624.72*	
		For Class 54 Rating, Add	*860.48*	
		For Class 55 Rating, Add	*1,283.66*	
		For Class 56 Rating, Add	*1,701.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,561.31	476.38
		For Class 52 Rating, Deduct	*-642.35*	
		For Class 54 Rating, Add	*884.59*	
		For Class 55 Rating, Add	*1,319.54*	
		For Class 56 Rating, Add	*1,748.65*	
40 05 19 00-2171	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,727.58	480.35
		For Class 52 Rating, Deduct	*-659.98*	
		For Class 54 Rating, Add	*908.70*	
		For Class 55 Rating, Add	*1,355.42*	
		For Class 56 Rating, Add	*1,796.14*	
40 05 19 00-2172	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,893.85	484.32
		For Class 52 Rating, Deduct	*-677.60*	
		For Class 54 Rating, Add	*932.81*	
		For Class 55 Rating, Add	*1,391.30*	
		For Class 56 Rating, Add	*1,848.63*	
40 05 19 00-2173	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,060.12	488.28
		For Class 52 Rating, Deduct	*-695.23*	
		For Class 54 Rating, Add	*956.92*	
		For Class 55 Rating, Add	*1,427.18*	
		For Class 56 Rating, Add	*1,891.12*	
40 05 19 00-2174	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,226.39	492.25
		For Class 52 Rating, Deduct	*-712.86*	
		For Class 54 Rating, Add	*981.03*	
		For Class 55 Rating, Add	*1,463.06*	
		For Class 56 Rating, Add	*1,938.61*	
40 05 19 00-2175	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,392.67	496.23
		For Class 52 Rating, Deduct	*-730.49*	
		For Class 54 Rating, Add	*1,005.14*	
		For Class 55 Rating, Add	*1,498.95*	
		For Class 56 Rating, Add	*1,986.11*	
40 05 19 00-2176	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,558.95	500.20
		For Class 52 Rating, Deduct	*-748.12*	
		For Class 54 Rating, Add	*1,029.26*	
		For Class 55 Rating, Add	*1,534.83*	
		For Class 56 Rating, Add	*2,033.60*	
40 05 19 00-2177	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,725.21	504.17
		For Class 52 Rating, Deduct	*-765.75*	
		For Class 54 Rating, Add	*1,053.36*	
		For Class 55 Rating, Add	*1,570.71*	
		For Class 56 Rating, Add	*2,081.09*	
40 05 19 00-2178	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,891.48	508.13
		For Class 52 Rating, Deduct	*-783.37*	
		For Class 54 Rating, Add	*1,077.48*	
		For Class 55 Rating, Add	*1,606.59*	
		For Class 56 Rating, Add	*2,128.58*	
40 05 19 00-2179	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,057.76	512.10
		For Class 52 Rating, Deduct	*-801.00*	
		For Class 54 Rating, Add	*1,101.59*	
		For Class 55 Rating, Add	*1,642.47*	
		For Class 56 Rating, Add	*2,176.08*	
40 05 19 00-2180	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,224.02	516.07
		For Class 52 Rating, Deduct	*-818.63*	
		For Class 54 Rating, Add	*1,125.70*	
		For Class 55 Rating, Add	*1,678.35*	
		For Class 56 Rating, Add	*2,223.57*	
40 05 19 00-2181		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2182	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,405.56	444.62
		For Class 52 Rating, Deduct	*-190.51*	
		For Class 54 Rating, Add	*267.87*	
		For Class 55 Rating, Add	*402.38*	
		For Class 56 Rating, Add	*535.16*	
40 05 19 00-2183	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,619.63	448.59
		For Class 52 Rating, Deduct	*-213.39*	
		For Class 54 Rating, Add	*299.15*	
		For Class 55 Rating, Add	*448.92*	
		For Class 56 Rating, Add	*596.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2184	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,833.69	452.56
		For Class 52 Rating, Deduct	*-236.28*	
		For Class 54 Rating, Add	*330.43*	
		For Class 55 Rating, Add	*495.46*	
		For Class 56 Rating, Add	*658.34*	
40 05 19 00-2185	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,047.76	456.53
		For Class 52 Rating, Deduct	*-259.17*	
		For Class 54 Rating, Add	*361.71*	
		For Class 55 Rating, Add	*542.00*	
		For Class 56 Rating, Add	*719.94*	
40 05 19 00-2186	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,261.83	460.50
		For Class 52 Rating, Deduct	*-282.05*	
		For Class 54 Rating, Add	*392.99*	
		For Class 55 Rating, Add	*588.54*	
		For Class 56 Rating, Add	*781.53*	
40 05 19 00-2187	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,475.90	464.46
		For Class 52 Rating, Deduct	*-304.94*	
		For Class 54 Rating, Add	*424.27*	
		For Class 55 Rating, Add	*635.08*	
		For Class 56 Rating, Add	*843.12*	
40 05 19 00-2188	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,689.97	468.43
		For Class 52 Rating, Deduct	*-327.82*	
		For Class 54 Rating, Add	*455.55*	
		For Class 55 Rating, Add	*681.62*	
		For Class 56 Rating, Add	*904.71*	
40 05 19 00-2189	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,904.03	472.41
		For Class 52 Rating, Deduct	*-350.71*	
		For Class 54 Rating, Add	*486.83*	
		For Class 55 Rating, Add	*728.16*	
		For Class 56 Rating, Add	*966.30*	
40 05 19 00-2190	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,118.10	476.38
		For Class 52 Rating, Deduct	*-373.60*	
		For Class 54 Rating, Add	*518.11*	
		For Class 55 Rating, Add	*774.70*	
		For Class 56 Rating, Add	*1,027.90*	
40 05 19 00-2191	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,332.17	480.35
		For Class 52 Rating, Deduct	*-396.48*	
		For Class 54 Rating, Add	*549.39*	
		For Class 55 Rating, Add	*821.24*	
		For Class 56 Rating, Add	*1,089.49*	
40 05 19 00-2192	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,546.23	484.32
		For Class 52 Rating, Deduct	*-419.37*	
		For Class 54 Rating, Add	*580.67*	
		For Class 55 Rating, Add	*867.78*	
		For Class 56 Rating, Add	*1,151.08*	
40 05 19 00-2193	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,760.29	488.28
		For Class 52 Rating, Deduct	*-442.25*	
		For Class 54 Rating, Add	*611.95*	
		For Class 55 Rating, Add	*914.32*	
		For Class 56 Rating, Add	*1,212.67*	
40 05 19 00-2194	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,974.37	492.25
		For Class 52 Rating, Deduct	*-465.14*	
		For Class 54 Rating, Add	*643.23*	
		For Class 55 Rating, Add	*960.86*	
		For Class 56 Rating, Add	*1,274.27*	
40 05 19 00-2195	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,188.44	496.23
		For Class 52 Rating, Deduct	*-488.02*	
		For Class 54 Rating, Add	*674.51*	
		For Class 55 Rating, Add	*1,007.40*	
		For Class 56 Rating, Add	*1,335.86*	
40 05 19 00-2196	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,402.51	500.20
		For Class 52 Rating, Deduct	*-510.91*	
		For Class 54 Rating, Add	*705.79*	
		For Class 55 Rating, Add	*1,053.94*	
		For Class 56 Rating, Add	*1,397.45*	
40 05 19 00-2197	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,616.57	504.17
		For Class 52 Rating, Deduct	*-533.79*	
		For Class 54 Rating, Add	*737.07*	
		For Class 55 Rating, Add	*1,100.48*	
		For Class 56 Rating, Add	*1,459.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,830.64	508.13
		For Class 52 Rating, Deduct	*-556.68*	
		For Class 54 Rating, Add	*768.35*	
		For Class 55 Rating, Add	*1,147.02*	
		For Class 56 Rating, Add	*1,520.63*	
40 05 19 00-2199	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,044.71	512.10
		For Class 52 Rating, Deduct	*-579.57*	
		For Class 54 Rating, Add	*799.63*	
		For Class 55 Rating, Add	*1,193.56*	
		For Class 56 Rating, Add	*1,582.23*	
40 05 19 00-2200	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,258.77	516.07
		For Class 52 Rating, Deduct	*-602.45*	
		For Class 54 Rating, Add	*830.91*	
		For Class 55 Rating, Add	*1,240.10*	
		For Class 56 Rating, Add	*1,648.82*	
40 05 19 00-2201	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,472.83	520.05
		For Class 52 Rating, Deduct	*-625.34*	
		For Class 54 Rating, Add	*862.19*	
		For Class 55 Rating, Add	*1,286.64*	
		For Class 56 Rating, Add	*1,705.41*	
40 05 19 00-2202	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,686.91	524.02
		For Class 52 Rating, Deduct	*-648.22*	
		For Class 54 Rating, Add	*893.47*	
		For Class 55 Rating, Add	*1,333.18*	
		For Class 56 Rating, Add	*1,767.00*	
40 05 19 00-2203	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,900.97	527.99
		For Class 52 Rating, Deduct	*-671.11*	
		For Class 54 Rating, Add	*924.75*	
		For Class 55 Rating, Add	*1,379.72*	
		For Class 56 Rating, Add	*1,828.59*	
40 05 19 00-2204	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,115.05	531.95
		For Class 52 Rating, Deduct	*-694.00*	
		For Class 54 Rating, Add	*956.03*	
		For Class 55 Rating, Add	*1,426.26*	
		For Class 56 Rating, Add	*1,890.19*	
40 05 19 00-2205	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,329.11	535.92
		For Class 52 Rating, Deduct	*-716.88*	
		For Class 54 Rating, Add	*987.31*	
		For Class 55 Rating, Add	*1,472.80*	
		For Class 56 Rating, Add	*1,951.78*	
40 05 19 00-2206	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,543.18	539.89
		For Class 52 Rating, Deduct	*-739.77*	
		For Class 54 Rating, Add	*1,018.59*	
		For Class 55 Rating, Add	*1,519.34*	
		For Class 56 Rating, Add	*2,013.37*	
40 05 19 00-2207	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,757.25	543.86
		For Class 52 Rating, Deduct	*-762.65*	
		For Class 54 Rating, Add	*1,049.87*	
		For Class 55 Rating, Add	*1,565.88*	
		For Class 56 Rating, Add	*2,074.96*	
40 05 19 00-2208	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,971.31	547.84
		For Class 52 Rating, Deduct	*-785.54*	
		For Class 54 Rating, Add	*1,081.15*	
		For Class 55 Rating, Add	*1,612.42*	
		For Class 56 Rating, Add	*2,136.55*	
40 05 19 00-2209	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,185.37	551.81
		For Class 52 Rating, Deduct	*-808.42*	
		For Class 54 Rating, Add	*1,112.43*	
		For Class 55 Rating, Add	*1,658.96*	
		For Class 56 Rating, Add	*2,198.14*	
40 05 19 00-2210	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,399.45	555.77
		For Class 52 Rating, Deduct	*-831.31*	
		For Class 54 Rating, Add	*1,143.71*	
		For Class 55 Rating, Add	*1,705.50*	
		For Class 56 Rating, Add	*2,259.74*	
40 05 19 00-2211	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,613.51	559.74
		For Class 52 Rating, Deduct	*-854.20*	
		For Class 54 Rating, Add	*1,174.99*	
		For Class 55 Rating, Add	*1,752.04*	
		For Class 56 Rating, Add	*2,321.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2212	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,827.57	563.71
		For Class 52 Rating, Deduct	*-877.08*	
		For Class 54 Rating, Add	*1,206.27*	
		For Class 55 Rating, Add	*1,798.58*	
		For Class 56 Rating, Add	*2,382.92*	
40 05 19 00-2213	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,041.65	567.68
		For Class 52 Rating, Deduct	*-899.97*	
		For Class 54 Rating, Add	*1,237.55*	
		For Class 55 Rating, Add	*1,845.12*	
		For Class 56 Rating, Add	*2,444.51*	
40 05 19 00-2214	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,255.72	571.66
		For Class 52 Rating, Deduct	*-922.85*	
		For Class 54 Rating, Add	*1,268.83*	
		For Class 55 Rating, Add	*1,891.66*	
		For Class 56 Rating, Add	*2,506.11*	
40 05 19 00-2215	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,469.79	575.62
		For Class 52 Rating, Deduct	*-945.74*	
		For Class 54 Rating, Add	*1,300.11*	
		For Class 55 Rating, Add	*1,938.20*	
		For Class 56 Rating, Add	*2,567.70*	
40 05 19 00-2216	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,683.85	579.59
		For Class 52 Rating, Deduct	*-968.62*	
		For Class 54 Rating, Add	*1,331.39*	
		For Class 55 Rating, Add	*1,984.74*	
		For Class 56 Rating, Add	*2,629.29*	
40 05 19 00-2217	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,897.91	583.56
		For Class 52 Rating, Deduct	*-991.51*	
		For Class 54 Rating, Add	*1,362.67*	
		For Class 55 Rating, Add	*2,031.28*	
		For Class 56 Rating, Add	*2,690.88*	
40 05 19 00-2218	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,111.99	587.53
		For Class 52 Rating, Deduct	*-1,014.40*	
		For Class 54 Rating, Add	*1,393.95*	
		For Class 55 Rating, Add	*2,077.82*	
		For Class 56 Rating, Add	*2,752.48*	
40 05 19 00-2219	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,326.05	591.50
		For Class 52 Rating, Deduct	*-1,037.28*	
		For Class 54 Rating, Add	*1,425.23*	
		For Class 55 Rating, Add	*2,124.36*	
		For Class 56 Rating, Add	*2,814.07*	
40 05 19 00-2220	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,540.11	595.48
		For Class 52 Rating, Deduct	*-1,060.17*	
		For Class 54 Rating, Add	*1,456.51*	
		For Class 55 Rating, Add	*2,170.90*	
		For Class 56 Rating, Add	*2,875.66*	
40 05 19 00-2221		12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2222	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,147.53	555.77
		For Class 52 Rating, Deduct	*-253.60*	
		For Class 54 Rating, Add	*355.92*	
		For Class 55 Rating, Add	*534.33*	
		For Class 56 Rating, Add	*710.42*	
40 05 19 00-2223	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,412.20	559.74
		For Class 52 Rating, Deduct	*-282.05*	
		For Class 54 Rating, Add	*394.79*	
		For Class 55 Rating, Add	*592.15*	
		For Class 56 Rating, Add	*786.94*	
40 05 19 00-2224	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,676.87	563.71
		For Class 52 Rating, Deduct	*-310.50*	
		For Class 54 Rating, Add	*433.66*	
		For Class 55 Rating, Add	*649.98*	
		For Class 56 Rating, Add	*863.46*	
40 05 19 00-2225	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,941.56	567.68
		For Class 52 Rating, Deduct	*-338.96*	
		For Class 54 Rating, Add	*472.54*	
		For Class 55 Rating, Add	*707.80*	
		For Class 56 Rating, Add	*939.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2226	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,206.23	571.66
		For Class 52 Rating, Deduct	*-367.41*	
		For Class 54 Rating, Add	*511.41*	
		For Class 55 Rating, Add	*765.63*	
		For Class 56 Rating, Add	*1,016.51*	
40 05 19 00-2227	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,470.91	575.62
		For Class 52 Rating, Deduct	*-395.86*	
		For Class 54 Rating, Add	*550.28*	
		For Class 55 Rating, Add	*823.45*	
		For Class 56 Rating, Add	*1,093.03*	
40 05 19 00-2228	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,735.58	579.59
		For Class 52 Rating, Deduct	*-424.32*	
		For Class 54 Rating, Add	*589.15*	
		For Class 55 Rating, Add	*881.28*	
		For Class 56 Rating, Add	*1,169.55*	
40 05 19 00-2229	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,000.25	583.56
		For Class 52 Rating, Deduct	*-452.77*	
		For Class 54 Rating, Add	*628.02*	
		For Class 55 Rating, Add	*939.10*	
		For Class 56 Rating, Add	*1,246.07*	
40 05 19 00-2230	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,264.93	587.53
		For Class 52 Rating, Deduct	*-481.22*	
		For Class 54 Rating, Add	*666.89*	
		For Class 55 Rating, Add	*996.93*	
		For Class 56 Rating, Add	*1,322.59*	
40 05 19 00-2231	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,529.59	591.50
		For Class 52 Rating, Deduct	*-509.67*	
		For Class 54 Rating, Add	*705.76*	
		For Class 55 Rating, Add	*1,054.75*	
		For Class 56 Rating, Add	*1,399.11*	
40 05 19 00-2232	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,794.26	595.48
		For Class 52 Rating, Deduct	*-538.12*	
		For Class 54 Rating, Add	*744.63*	
		For Class 55 Rating, Add	*1,112.58*	
		For Class 56 Rating, Add	*1,475.63*	
40 05 19 00-2233	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,058.95	599.44
		For Class 52 Rating, Deduct	*-566.58*	
		For Class 54 Rating, Add	*783.50*	
		For Class 55 Rating, Add	*1,170.40*	
		For Class 56 Rating, Add	*1,552.15*	
40 05 19 00-2234	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,323.62	603.41
		For Class 52 Rating, Deduct	*-595.03*	
		For Class 54 Rating, Add	*822.38*	
		For Class 55 Rating, Add	*1,228.23*	
		For Class 56 Rating, Add	*1,628.67*	
40 05 19 00-2235	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,588.30	607.38
		For Class 52 Rating, Deduct	*-623.48*	
		For Class 54 Rating, Add	*861.25*	
		For Class 55 Rating, Add	*1,286.06*	
		For Class 56 Rating, Add	*1,705.20*	
40 05 19 00-2236	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,852.97	611.35
		For Class 52 Rating, Deduct	*-651.93*	
		For Class 54 Rating, Add	*900.12*	
		For Class 55 Rating, Add	*1,343.88*	
		For Class 56 Rating, Add	*1,781.72*	
40 05 19 00-2237	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,117.64	615.32
		For Class 52 Rating, Deduct	*-680.39*	
		For Class 54 Rating, Add	*938.99*	
		For Class 55 Rating, Add	*1,401.71*	
		For Class 56 Rating, Add	*1,858.24*	
40 05 19 00-2238	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,382.32	619.29
		For Class 52 Rating, Deduct	*-708.84*	
		For Class 54 Rating, Add	*977.86*	
		For Class 55 Rating, Add	*1,459.53*	
		For Class 56 Rating, Add	*1,934.76*	
40 05 19 00-2239	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,646.99	623.26
		For Class 52 Rating, Deduct	*-737.29*	
		For Class 54 Rating, Add	*1,016.73*	
		For Class 55 Rating, Add	*1,517.36*	
		For Class 56 Rating, Add	*2,011.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2240	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,911.66	627.23
		For Class 52 Rating, Deduct	*-765.75*	
		For Class 54 Rating, Add	*1,055.60*	
		For Class 55 Rating, Add	*1,575.18*	
		For Class 56 Rating, Add	*2,087.80*	
40 05 19 00-2241	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,176.34	631.20
		For Class 52 Rating, Deduct	*-794.20*	
		For Class 54 Rating, Add	*1,094.47*	
		For Class 55 Rating, Add	*1,633.01*	
		For Class 56 Rating, Add	*2,164.32*	
40 05 19 00-2242	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,441.02	635.17
		For Class 52 Rating, Deduct	*-822.65*	
		For Class 54 Rating, Add	*1,133.34*	
		For Class 55 Rating, Add	*1,690.83*	
		For Class 56 Rating, Add	*2,240.84*	
40 05 19 00-2243	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,705.69	639.14
		For Class 52 Rating, Deduct	*-851.10*	
		For Class 54 Rating, Add	*1,172.22*	
		For Class 55 Rating, Add	*1,748.66*	
		For Class 56 Rating, Add	*2,317.37*	
40 05 19 00-2244	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,970.37	643.10
		For Class 52 Rating, Deduct	*-879.56*	
		For Class 54 Rating, Add	*1,211.09*	
		For Class 55 Rating, Add	*1,806.48*	
		For Class 56 Rating, Add	*2,393.89*	
40 05 19 00-2245	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,235.04	647.08
		For Class 52 Rating, Deduct	*-908.01*	
		For Class 54 Rating, Add	*1,249.96*	
		For Class 55 Rating, Add	*1,864.31*	
		For Class 56 Rating, Add	*2,470.41*	
40 05 19 00-2246	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,496.91	651.05
		For Class 52 Rating, Deduct	*-936.15*	
		For Class 54 Rating, Add	*1,288.41*	
		For Class 55 Rating, Add	*1,921.51*	
		For Class 56 Rating, Add	*2,546.10*	
40 05 19 00-2247	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,764.39	655.02
		For Class 52 Rating, Deduct	*-964.91*	
		For Class 54 Rating, Add	*1,327.70*	
		For Class 55 Rating, Add	*1,979.96*	
		For Class 56 Rating, Add	*2,623.45*	
40 05 19 00-2248	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,029.06	658.99
		For Class 52 Rating, Deduct	*-993.37*	
		For Class 54 Rating, Add	*1,366.57*	
		For Class 55 Rating, Add	*2,037.79*	
		For Class 56 Rating, Add	*2,699.97*	
40 05 19 00-2249	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,293.74	662.96
		For Class 52 Rating, Deduct	*-1,021.82*	
		For Class 54 Rating, Add	*1,405.44*	
		For Class 55 Rating, Add	*2,095.61*	
		For Class 56 Rating, Add	*2,776.49*	
40 05 19 00-2250	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,558.42	666.92
		For Class 52 Rating, Deduct	*-1,050.27*	
		For Class 54 Rating, Add	*1,444.31*	
		For Class 55 Rating, Add	*2,153.44*	
		For Class 56 Rating, Add	*2,853.01*	
40 05 19 00-2251	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,823.09	670.89
		For Class 52 Rating, Deduct	*-1,078.72*	
		For Class 54 Rating, Add	*1,483.19*	
		For Class 55 Rating, Add	*2,211.26*	
		For Class 56 Rating, Add	*2,929.54*	
40 05 19 00-2252	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,087.77	674.87
		For Class 52 Rating, Deduct	*-1,107.18*	
		For Class 54 Rating, Add	*1,522.06*	
		For Class 55 Rating, Add	*2,269.09*	
		For Class 56 Rating, Add	*3,006.06*	
40 05 19 00-2253	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,352.44	678.84
		For Class 52 Rating, Deduct	*-1,135.63*	
		For Class 54 Rating, Add	*1,560.93*	
		For Class 55 Rating, Add	*2,326.91*	
		For Class 56 Rating, Add	*3,082.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2254	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,617.12	682.81
		For Class 52 Rating, Deduct	*-1,164.08*	
		For Class 54 Rating, Add	*1,599.80*	
		For Class 55 Rating, Add	*2,384.74*	
		For Class 56 Rating, Add	*3,159.10*	
40 05 19 00-2255	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,881.79	686.78
		For Class 52 Rating, Deduct	*-1,192.53*	
		For Class 54 Rating, Add	*1,638.67*	
		For Class 55 Rating, Add	*2,442.57*	
		For Class 56 Rating, Add	*3,235.62*	
40 05 19 00-2256	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,146.46	690.74
		For Class 52 Rating, Deduct	*-1,220.99*	
		For Class 54 Rating, Add	*1,677.54*	
		For Class 55 Rating, Add	*2,500.39*	
		For Class 56 Rating, Add	*3,312.14*	
40 05 19 00-2257	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,411.14	694.71
		For Class 52 Rating, Deduct	*-1,249.44*	
		For Class 54 Rating, Add	*1,716.41*	
		For Class 55 Rating, Add	*2,558.22*	
		For Class 56 Rating, Add	*3,388.66*	
40 05 19 00-2258	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,675.81	698.69
		For Class 52 Rating, Deduct	*-1,277.89*	
		For Class 54 Rating, Add	*1,755.28*	
		For Class 55 Rating, Add	*2,616.04*	
		For Class 56 Rating, Add	*3,465.18*	
40 05 19 00-2259	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,940.49	702.66
		For Class 52 Rating, Deduct	*-1,306.34*	
		For Class 54 Rating, Add	*1,794.15*	
		For Class 55 Rating, Add	*2,673.87*	
		For Class 56 Rating, Add	*3,541.71*	
40 05 19 00-2260	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,205.17	706.63
		For Class 52 Rating, Deduct	*-1,334.80*	
		For Class 54 Rating, Add	*1,833.03*	
		For Class 55 Rating, Add	*2,731.69*	
		For Class 56 Rating, Add	*3,618.23*	
40 05 19 00-2261		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2262	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,218.44	666.92
		For Class 52 Rating, Deduct	*-352.87*	
		For Class 54 Rating, Add	*493.32*	
		For Class 55 Rating, Add	*739.62*	
		For Class 56 Rating, Add	*982.72*	
40 05 19 00-2263	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,539.34	670.89
		For Class 52 Rating, Deduct	*-387.51*	
		For Class 54 Rating, Add	*540.62*	
		For Class 55 Rating, Add	*809.99*	
		For Class 56 Rating, Add	*1,075.83*	
40 05 19 00-2264	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,860.25	674.87
		For Class 52 Rating, Deduct	*-422.15*	
		For Class 54 Rating, Add	*587.93*	
		For Class 55 Rating, Add	*880.35*	
		For Class 56 Rating, Add	*1,168.94*	
40 05 19 00-2265	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,181.16	678.84
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*635.24*	
		For Class 55 Rating, Add	*950.72*	
		For Class 56 Rating, Add	*1,262.05*	
40 05 19 00-2266	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,502.07	682.81
		For Class 52 Rating, Deduct	*-491.43*	
		For Class 54 Rating, Add	*682.54*	
		For Class 55 Rating, Add	*1,021.08*	
		For Class 56 Rating, Add	*1,355.16*	
40 05 19 00-2267	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,822.97	686.78
		For Class 52 Rating, Deduct	*-526.06*	
		For Class 54 Rating, Add	*729.85*	
		For Class 55 Rating, Add	*1,091.45*	
		For Class 56 Rating, Add	*1,448.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2268	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,143.87	690.74
		For Class 52 Rating, Deduct	*-560.70*	
		For Class 54 Rating, Add	*777.15*	
		For Class 55 Rating, Add	*1,161.81*	
		For Class 56 Rating, Add	*1,541.38*	
40 05 19 00-2269	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,464.78	694.71
		For Class 52 Rating, Deduct	*-595.34*	
		For Class 54 Rating, Add	*824.46*	
		For Class 55 Rating, Add	*1,232.18*	
		For Class 56 Rating, Add	*1,634.49*	
40 05 19 00-2270	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,785.68	698.69
		For Class 52 Rating, Deduct	*-629.98*	
		For Class 54 Rating, Add	*871.76*	
		For Class 55 Rating, Add	*1,302.54*	
		For Class 56 Rating, Add	*1,727.60*	
40 05 19 00-2271	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,106.59	702.66
		For Class 52 Rating, Deduct	*-664.62*	
		For Class 54 Rating, Add	*919.07*	
		For Class 55 Rating, Add	*1,372.91*	
		For Class 56 Rating, Add	*1,820.70*	
40 05 19 00-2272	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,427.50	706.63
		For Class 52 Rating, Deduct	*-699.25*	
		For Class 54 Rating, Add	*966.38*	
		For Class 55 Rating, Add	*1,443.27*	
		For Class 56 Rating, Add	*1,913.81*	
40 05 19 00-2273	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,748.40	710.59
		For Class 52 Rating, Deduct	*-733.89*	
		For Class 54 Rating, Add	*1,013.68*	
		For Class 55 Rating, Add	*1,513.64*	
		For Class 56 Rating, Add	*2,006.92*	
40 05 19 00-2274	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,069.31	714.56
		For Class 52 Rating, Deduct	*-768.53*	
		For Class 54 Rating, Add	*1,060.99*	
		For Class 55 Rating, Add	*1,584.00*	
		For Class 56 Rating, Add	*2,100.03*	
40 05 19 00-2275	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,390.21	718.53
		For Class 52 Rating, Deduct	*-803.17*	
		For Class 54 Rating, Add	*1,108.29*	
		For Class 55 Rating, Add	*1,654.37*	
		For Class 56 Rating, Add	*2,193.14*	
40 05 19 00-2276	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,711.11	722.51
		For Class 52 Rating, Deduct	*-837.81*	
		For Class 54 Rating, Add	*1,155.60*	
		For Class 55 Rating, Add	*1,724.73*	
		For Class 56 Rating, Add	*2,286.25*	
40 05 19 00-2277	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,032.02	726.48
		For Class 52 Rating, Deduct	*-872.44*	
		For Class 54 Rating, Add	*1,202.90*	
		For Class 55 Rating, Add	*1,795.10*	
		For Class 56 Rating, Add	*2,379.36*	
40 05 19 00-2278	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,352.92	730.45
		For Class 52 Rating, Deduct	*-907.08*	
		For Class 54 Rating, Add	*1,250.21*	
		For Class 55 Rating, Add	*1,865.46*	
		For Class 56 Rating, Add	*2,472.47*	
40 05 19 00-2279	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,673.82	734.41
		For Class 52 Rating, Deduct	*-941.72*	
		For Class 54 Rating, Add	*1,297.51*	
		For Class 55 Rating, Add	*1,935.83*	
		For Class 56 Rating, Add	*2,565.58*	
40 05 19 00-2280	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,994.74	738.38
		For Class 52 Rating, Deduct	*-976.36*	
		For Class 54 Rating, Add	*1,344.82*	
		For Class 55 Rating, Add	*2,006.19*	
		For Class 56 Rating, Add	*2,658.69*	
40 05 19 00-2281	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,315.64	742.35
		For Class 52 Rating, Deduct	*-1,010.99*	
		For Class 54 Rating, Add	*1,392.13*	
		For Class 55 Rating, Add	*2,076.56*	
		For Class 56 Rating, Add	*2,751.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2282	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,636.54	746.32
		For Class 52 Rating, Deduct	*-1,045.63*	
		For Class 54 Rating, Add	*1,439.43*	
		For Class 55 Rating, Add	*2,146.92*	
		For Class 56 Rating, Add	*2,844.90*	
40 05 19 00-2283	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,957.45	750.30
		For Class 52 Rating, Deduct	*-1,080.27*	
		For Class 54 Rating, Add	*1,486.74*	
		For Class 55 Rating, Add	*2,217.29*	
		For Class 56 Rating, Add	*2,938.01*	
40 05 19 00-2284	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,278.35	754.27
		For Class 52 Rating, Deduct	*-1,114.91*	
		For Class 54 Rating, Add	*1,534.04*	
		For Class 55 Rating, Add	*2,287.65*	
		For Class 56 Rating, Add	*3,031.12*	
40 05 19 00-2285	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,599.26	758.23
		For Class 52 Rating, Deduct	*-1,149.55*	
		For Class 54 Rating, Add	*1,581.35*	
		For Class 55 Rating, Add	*2,358.02*	
		For Class 56 Rating, Add	*3,124.23*	
40 05 19 00-2286	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,920.16	762.20
		For Class 52 Rating, Deduct	*-1,184.18*	
		For Class 54 Rating, Add	*1,628.65*	
		For Class 55 Rating, Add	*2,428.38*	
		For Class 56 Rating, Add	*3,217.34*	
40 05 19 00-2287	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,241.06	766.17
		For Class 52 Rating, Deduct	*-1,218.82*	
		For Class 54 Rating, Add	*1,675.96*	
		For Class 55 Rating, Add	*2,498.75*	
		For Class 56 Rating, Add	*3,310.45*	
40 05 19 00-2288	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,561.98	770.14
		For Class 52 Rating, Deduct	*-1,253.46*	
		For Class 54 Rating, Add	*1,723.27*	
		For Class 55 Rating, Add	*2,569.11*	
		For Class 56 Rating, Add	*3,403.56*	
40 05 19 00-2289	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,882.88	774.12
		For Class 52 Rating, Deduct	*-1,288.10*	
		For Class 54 Rating, Add	*1,770.57*	
		For Class 55 Rating, Add	*2,639.48*	
		For Class 56 Rating, Add	*3,496.67*	
40 05 19 00-2290	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,203.78	778.08
		For Class 52 Rating, Deduct	*-1,322.74*	
		For Class 54 Rating, Add	*1,817.88*	
		For Class 55 Rating, Add	*2,709.84*	
		For Class 56 Rating, Add	*3,589.78*	
40 05 19 00-2291	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,524.69	782.05
		For Class 52 Rating, Deduct	*-1,357.37*	
		For Class 54 Rating, Add	*1,865.18*	
		For Class 55 Rating, Add	*2,780.20*	
		For Class 56 Rating, Add	*3,682.89*	
40 05 19 00-2292	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,845.59	786.02
		For Class 52 Rating, Deduct	*-1,392.01*	
		For Class 54 Rating, Add	*1,912.49*	
		For Class 55 Rating, Add	*2,850.57*	
		For Class 56 Rating, Add	*3,776.00*	
40 05 19 00-2293	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,166.50	789.99
		For Class 52 Rating, Deduct	*-1,426.65*	
		For Class 54 Rating, Add	*1,959.79*	
		For Class 55 Rating, Add	*2,920.93*	
		For Class 56 Rating, Add	*3,869.10*	
40 05 19 00-2294	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,487.40	793.96
		For Class 52 Rating, Deduct	*-1,461.29*	
		For Class 54 Rating, Add	*2,007.10*	
		For Class 55 Rating, Add	*2,991.30*	
		For Class 56 Rating, Add	*3,962.21*	
40 05 19 00-2295	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,808.30	797.93
		For Class 52 Rating, Deduct	*-1,495.93*	
		For Class 54 Rating, Add	*2,054.41*	
		For Class 55 Rating, Add	*3,061.66*	
		For Class 56 Rating, Add	*4,055.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2296	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,129.21	801.90
		For Class 52 Rating, Deduct	*-1,530.56*	
		For Class 54 Rating, Add	*2,101.71*	
		For Class 55 Rating, Add	*3,132.03*	
		For Class 56 Rating, Add	*4,148.43*	
40 05 19 00-2297	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,450.12	805.87
		For Class 52 Rating, Deduct	*-1,565.20*	
		For Class 54 Rating, Add	*2,149.02*	
		For Class 55 Rating, Add	*3,202.39*	
		For Class 56 Rating, Add	*4,241.54*	
40 05 19 00-2298	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,771.02	809.84
		For Class 52 Rating, Deduct	*-1,599.84*	
		For Class 54 Rating, Add	*2,196.32*	
		For Class 55 Rating, Add	*3,272.76*	
		For Class 56 Rating, Add	*4,334.65*	
40 05 19 00-2299	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,091.93	813.81
		For Class 52 Rating, Deduct	*-1,634.48*	
		For Class 54 Rating, Add	*2,243.63*	
		For Class 55 Rating, Add	*3,343.12*	
		For Class 56 Rating, Add	*4,427.76*	

40 05 19 00-2300 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2301	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,950.40	762.20
		For Class 52 Rating, Deduct	*-417.51*	
		For Class 54 Rating, Add	*583.19*	
		For Class 55 Rating, Add	*874.12*	
		For Class 56 Rating, Add	*1,161.26*	
40 05 19 00-2302	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,321.91	766.17
		For Class 52 Rating, Deduct	*-457.72*	
		For Class 54 Rating, Add	*638.09*	
		For Class 55 Rating, Add	*955.77*	
		For Class 56 Rating, Add	*1,269.30*	
40 05 19 00-2303	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,693.44	770.14
		For Class 52 Rating, Deduct	*-497.92*	
		For Class 54 Rating, Add	*692.99*	
		For Class 55 Rating, Add	*1,037.43*	
		For Class 56 Rating, Add	*1,377.34*	
40 05 19 00-2304	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,064.94	774.12
		For Class 52 Rating, Deduct	*-538.12*	
		For Class 54 Rating, Add	*747.88*	
		For Class 55 Rating, Add	*1,119.07*	
		For Class 56 Rating, Add	*1,485.38*	
40 05 19 00-2305	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,436.45	778.08
		For Class 52 Rating, Deduct	*-578.33*	
		For Class 54 Rating, Add	*802.78*	
		For Class 55 Rating, Add	*1,200.73*	
		For Class 56 Rating, Add	*1,593.42*	
40 05 19 00-2306	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,807.97	782.05
		For Class 52 Rating, Deduct	*-618.53*	
		For Class 54 Rating, Add	*857.68*	
		For Class 55 Rating, Add	*1,282.38*	
		For Class 56 Rating, Add	*1,701.45*	
40 05 19 00-2307	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,179.48	786.02
		For Class 52 Rating, Deduct	*-658.74*	
		For Class 54 Rating, Add	*912.57*	
		For Class 55 Rating, Add	*1,364.03*	
		For Class 56 Rating, Add	*1,809.49*	
40 05 19 00-2308	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,551.00	789.99
		For Class 52 Rating, Deduct	*-698.94*	
		For Class 54 Rating, Add	*967.47*	
		For Class 55 Rating, Add	*1,445.68*	
		For Class 56 Rating, Add	*1,917.53*	
40 05 19 00-2309	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,922.50	793.96
		For Class 52 Rating, Deduct	*-739.15*	
		For Class 54 Rating, Add	*1,022.37*	
		For Class 55 Rating, Add	*1,527.33*	
		For Class 56 Rating, Add	*2,025.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2310	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,294.01	797.93
		For Class 52 Rating, Deduct	*-779.35*	
		For Class 54 Rating, Add	*1,077.26*	
		For Class 55 Rating, Add	*1,608.98*	
		For Class 56 Rating, Add	*2,133.61*	
40 05 19 00-2311	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,665.53	801.90
		For Class 52 Rating, Deduct	*-819.56*	
		For Class 54 Rating, Add	*1,132.16*	
		For Class 55 Rating, Add	*1,690.63*	
		For Class 56 Rating, Add	*2,241.65*	
40 05 19 00-2312	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,037.05	805.87
		For Class 52 Rating, Deduct	*-859.76*	
		For Class 54 Rating, Add	*1,187.06*	
		For Class 55 Rating, Add	*1,772.28*	
		For Class 56 Rating, Add	*2,349.69*	
40 05 19 00-2313	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,408.55	809.84
		For Class 52 Rating, Deduct	*-899.97*	
		For Class 54 Rating, Add	*1,241.95*	
		For Class 55 Rating, Add	*1,853.93*	
		For Class 56 Rating, Add	*2,457.72*	
40 05 19 00-2314	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,780.07	813.81
		For Class 52 Rating, Deduct	*-940.17*	
		For Class 54 Rating, Add	*1,296.85*	
		For Class 55 Rating, Add	*1,935.58*	
		For Class 56 Rating, Add	*2,565.76*	
40 05 19 00-2315	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,151.58	817.78
		For Class 52 Rating, Deduct	*-980.38*	
		For Class 54 Rating, Add	*1,351.75*	
		For Class 55 Rating, Add	*2,017.23*	
		For Class 56 Rating, Add	*2,673.80*	
40 05 19 00-2316	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,523.10	821.75
		For Class 52 Rating, Deduct	*-1,020.58*	
		For Class 54 Rating, Add	*1,406.64*	
		For Class 55 Rating, Add	*2,098.88*	
		For Class 56 Rating, Add	*2,781.84*	
40 05 19 00-2317	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,894.60	825.72
		For Class 52 Rating, Deduct	*-1,060.79*	
		For Class 54 Rating, Add	*1,461.54*	
		For Class 55 Rating, Add	*2,180.53*	
		For Class 56 Rating, Add	*2,889.87*	
40 05 19 00-2318	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,266.11	829.69
		For Class 52 Rating, Deduct	*-1,100.99*	
		For Class 54 Rating, Add	*1,516.44*	
		For Class 55 Rating, Add	*2,262.18*	
		For Class 56 Rating, Add	*2,997.91*	
40 05 19 00-2319	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,637.63	833.66
		For Class 52 Rating, Deduct	*-1,141.20*	
		For Class 54 Rating, Add	*1,571.33*	
		For Class 55 Rating, Add	*2,343.83*	
		For Class 56 Rating, Add	*3,105.95*	
40 05 19 00-2320	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,009.14	837.63
		For Class 52 Rating, Deduct	*-1,181.40*	
		For Class 54 Rating, Add	*1,626.23*	
		For Class 55 Rating, Add	*2,425.48*	
		For Class 56 Rating, Add	*3,213.99*	
40 05 19 00-2321	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,380.65	841.60
		For Class 52 Rating, Deduct	*-1,221.61*	
		For Class 54 Rating, Add	*1,681.13*	
		For Class 55 Rating, Add	*2,507.13*	
		For Class 56 Rating, Add	*3,322.03*	
40 05 19 00-2322	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,752.17	845.56
		For Class 52 Rating, Deduct	*-1,261.81*	
		For Class 54 Rating, Add	*1,736.02*	
		For Class 55 Rating, Add	*2,588.78*	
		For Class 56 Rating, Add	*3,430.07*	
40 05 19 00-2323	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,123.68	849.54
		For Class 52 Rating, Deduct	*-1,302.02*	
		For Class 54 Rating, Add	*1,790.92*	
		For Class 55 Rating, Add	*2,670.43*	
		For Class 56 Rating, Add	*3,538.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2324	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,495.19	853.51
		For Class 52 Rating, Deduct	*-1,342.22*	
		For Class 54 Rating, Add	*1,845.82*	
		For Class 55 Rating, Add	*2,752.08*	
		For Class 56 Rating, Add	*3,646.14*	
40 05 19 00-2325	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,866.70	857.48
		For Class 52 Rating, Deduct	*-1,382.42*	
		For Class 54 Rating, Add	*1,900.71*	
		For Class 55 Rating, Add	*2,833.73*	
		For Class 56 Rating, Add	*3,754.18*	
40 05 19 00-2326	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,238.21	861.45
		For Class 52 Rating, Deduct	*-1,422.63*	
		For Class 54 Rating, Add	*1,955.61*	
		For Class 55 Rating, Add	*2,915.38*	
		For Class 56 Rating, Add	*3,862.22*	
40 05 19 00-2327	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,609.73	865.42
		For Class 52 Rating, Deduct	*-1,462.83*	
		For Class 54 Rating, Add	*2,010.51*	
		For Class 55 Rating, Add	*2,997.03*	
		For Class 56 Rating, Add	*3,970.26*	
40 05 19 00-2328	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,981.24	869.38
		For Class 52 Rating, Deduct	*-1,503.04*	
		For Class 54 Rating, Add	*2,065.41*	
		For Class 55 Rating, Add	*3,078.68*	
		For Class 56 Rating, Add	*4,078.30*	
40 05 19 00-2329	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,352.75	873.35
		For Class 52 Rating, Deduct	*-1,543.24*	
		For Class 54 Rating, Add	*2,120.30*	
		For Class 55 Rating, Add	*3,160.33*	
		For Class 56 Rating, Add	*4,186.33*	
40 05 19 00-2330	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,724.27	877.33
		For Class 52 Rating, Deduct	*-1,583.45*	
		For Class 54 Rating, Add	*2,175.20*	
		For Class 55 Rating, Add	*3,241.98*	
		For Class 56 Rating, Add	*4,294.37*	
40 05 19 00-2331	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,095.78	881.30
		For Class 52 Rating, Deduct	*-1,623.65*	
		For Class 54 Rating, Add	*2,230.10*	
		For Class 55 Rating, Add	*3,323.63*	
		For Class 56 Rating, Add	*4,402.41*	
40 05 19 00-2332	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,467.29	885.27
		For Class 52 Rating, Deduct	*-1,663.86*	
		For Class 54 Rating, Add	*2,284.99*	
		For Class 55 Rating, Add	*3,405.28*	
		For Class 56 Rating, Add	*4,510.45*	
40 05 19 00-2333	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,838.81	889.24
		For Class 52 Rating, Deduct	*-1,704.06*	
		For Class 54 Rating, Add	*2,339.89*	
		For Class 55 Rating, Add	*3,486.94*	
		For Class 56 Rating, Add	*4,618.49*	
40 05 19 00-2334	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,210.31	893.20
		For Class 52 Rating, Deduct	*-1,744.27*	
		For Class 54 Rating, Add	*2,394.79*	
		For Class 55 Rating, Add	*3,568.58*	
		For Class 56 Rating, Add	*4,726.53*	
40 05 19 00-2335	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,581.83	897.17
		For Class 52 Rating, Deduct	*-1,784.47*	
		For Class 54 Rating, Add	*2,449.68*	
		For Class 55 Rating, Add	*3,650.24*	
		For Class 56 Rating, Add	*4,834.57*	
40 05 19 00-2336	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,953.34	901.15
		For Class 52 Rating, Deduct	*-1,824.68*	
		For Class 54 Rating, Add	*2,504.58*	
		For Class 55 Rating, Add	*3,731.89*	
		For Class 56 Rating, Add	*4,942.60*	
40 05 19 00-2337	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,324.85	905.12
		For Class 52 Rating, Deduct	*-1,864.88*	
		For Class 54 Rating, Add	*2,559.48*	
		For Class 55 Rating, Add	*3,813.54*	
		For Class 56 Rating, Add	*5,050.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2338	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,696.37	909.09
		For Class 52 Rating, Deduct	*-1,905.09*	
		For Class 54 Rating, Add	*2,614.37*	
		For Class 55 Rating, Add	*3,895.19*	
		For Class 56 Rating, Add	*5,158.68*	
40 05 19 00-2339		**18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2060)*		
40 05 19 00-2340	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,771.93	859.07
		For Class 52 Rating, Deduct	*-491.74*	
		For Class 54 Rating, Add	*686.17*	
		For Class 55 Rating, Add	*1,028.12*	
		For Class 56 Rating, Add	*1,365.60*	
40 05 19 00-2341	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,199.67	863.04
		For Class 52 Rating, Deduct	*-538.12*	
		For Class 54 Rating, Add	*749.50*	
		For Class 55 Rating, Add	*1,122.31*	
		For Class 56 Rating, Add	*1,490.23*	
40 05 19 00-2342	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,627.42	867.00
		For Class 52 Rating, Deduct	*-584.51*	
		For Class 54 Rating, Add	*812.83*	
		For Class 55 Rating, Add	*1,216.50*	
		For Class 56 Rating, Add	*1,614.85*	
40 05 19 00-2343	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,055.16	870.97
		For Class 52 Rating, Deduct	*-630.91*	
		For Class 54 Rating, Add	*876.16*	
		For Class 55 Rating, Add	*1,310.69*	
		For Class 56 Rating, Add	*1,739.48*	
40 05 19 00-2344	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,482.91	874.95
		For Class 52 Rating, Deduct	*-677.30*	
		For Class 54 Rating, Add	*939.49*	
		For Class 55 Rating, Add	*1,404.88*	
		For Class 56 Rating, Add	*1,864.11*	
40 05 19 00-2345	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,910.65	878.92
		For Class 52 Rating, Deduct	*-723.69*	
		For Class 54 Rating, Add	*1,002.82*	
		For Class 55 Rating, Add	*1,499.07*	
		For Class 56 Rating, Add	*1,988.73*	
40 05 19 00-2346	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,338.38	882.89
		For Class 52 Rating, Deduct	*-770.07*	
		For Class 54 Rating, Add	*1,066.15*	
		For Class 55 Rating, Add	*1,593.26*	
		For Class 56 Rating, Add	*2,113.36*	
40 05 19 00-2347	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,766.13	886.85
		For Class 52 Rating, Deduct	*-816.47*	
		For Class 54 Rating, Add	*1,129.49*	
		For Class 55 Rating, Add	*1,687.45*	
		For Class 56 Rating, Add	*2,237.98*	
40 05 19 00-2348	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,193.87	890.82
		For Class 52 Rating, Deduct	*-862.86*	
		For Class 54 Rating, Add	*1,192.82*	
		For Class 55 Rating, Add	*1,781.64*	
		For Class 56 Rating, Add	*2,362.61*	
40 05 19 00-2349	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,621.62	894.79
		For Class 52 Rating, Deduct	*-909.25*	
		For Class 54 Rating, Add	*1,256.15*	
		For Class 55 Rating, Add	*1,875.83*	
		For Class 56 Rating, Add	*2,487.24*	
40 05 19 00-2350	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,049.36	898.76
		For Class 52 Rating, Deduct	*-955.64*	
		For Class 54 Rating, Add	*1,319.48*	
		For Class 55 Rating, Add	*1,970.02*	
		For Class 56 Rating, Add	*2,611.87*	
40 05 19 00-2351	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,477.10	902.74
		For Class 52 Rating, Deduct	*-1,002.03*	
		For Class 54 Rating, Add	*1,382.81*	
		For Class 55 Rating, Add	*2,064.21*	
		For Class 56 Rating, Add	*2,736.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2352	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,904.85	906.71
		For Class 52 Rating, Deduct	*-1,048.42*	
		For Class 54 Rating, Add	*1,446.14*	
		For Class 55 Rating, Add	*2,158.40*	
		For Class 56 Rating, Add	*2,861.12*	
40 05 19 00-2353	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,332.59	910.67
		For Class 52 Rating, Deduct	*-1,094.81*	
		For Class 54 Rating, Add	*1,509.47*	
		For Class 55 Rating, Add	*2,252.59*	
		For Class 56 Rating, Add	*2,985.74*	
40 05 19 00-2354	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,760.33	914.64
		For Class 52 Rating, Deduct	*-1,141.20*	
		For Class 54 Rating, Add	*1,572.81*	
		For Class 55 Rating, Add	*2,346.78*	
		For Class 56 Rating, Add	*3,110.37*	
40 05 19 00-2355	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,188.08	918.61
		For Class 52 Rating, Deduct	*-1,187.59*	
		For Class 54 Rating, Add	*1,636.14*	
		For Class 55 Rating, Add	*2,440.97*	
		For Class 56 Rating, Add	*3,235.00*	
40 05 19 00-2356	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,615.81	922.58
		For Class 52 Rating, Deduct	*-1,233.98*	
		For Class 54 Rating, Add	*1,699.47*	
		For Class 55 Rating, Add	*2,535.15*	
		For Class 56 Rating, Add	*3,359.62*	
40 05 19 00-2357	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,043.55	926.56
		For Class 52 Rating, Deduct	*-1,280.37*	
		For Class 54 Rating, Add	*1,762.80*	
		For Class 55 Rating, Add	*2,629.34*	
		For Class 56 Rating, Add	*3,484.25*	
40 05 19 00-2358	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,471.30	930.53
		For Class 52 Rating, Deduct	*-1,326.76*	
		For Class 54 Rating, Add	*1,826.13*	
		For Class 55 Rating, Add	*2,723.53*	
		For Class 56 Rating, Add	*3,608.87*	
40 05 19 00-2359	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,899.05	934.49
		For Class 52 Rating, Deduct	*-1,373.15*	
		For Class 54 Rating, Add	*1,889.46*	
		For Class 55 Rating, Add	*2,817.72*	
		For Class 56 Rating, Add	*3,733.50*	
40 05 19 00-2360	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,326.80	938.46
		For Class 52 Rating, Deduct	*-1,419.54*	
		For Class 54 Rating, Add	*1,952.80*	
		For Class 55 Rating, Add	*2,911.91*	
		For Class 56 Rating, Add	*3,858.13*	
40 05 19 00-2361	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,754.53	942.43
		For Class 52 Rating, Deduct	*-1,465.93*	
		For Class 54 Rating, Add	*2,016.13*	
		For Class 55 Rating, Add	*3,006.10*	
		For Class 56 Rating, Add	*3,982.75*	
40 05 19 00-2362	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,182.27	946.40
		For Class 52 Rating, Deduct	*-1,512.32*	
		For Class 54 Rating, Add	*2,079.46*	
		For Class 55 Rating, Add	*3,100.29*	
		For Class 56 Rating, Add	*4,107.38*	
40 05 19 00-2363	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,610.02	950.37
		For Class 52 Rating, Deduct	*-1,558.71*	
		For Class 54 Rating, Add	*2,142.79*	
		For Class 55 Rating, Add	*3,194.48*	
		For Class 56 Rating, Add	*4,232.01*	
40 05 19 00-2364	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,037.76	954.34
		For Class 52 Rating, Deduct	*-1,605.10*	
		For Class 54 Rating, Add	*2,206.12*	
		For Class 55 Rating, Add	*3,288.67*	
		For Class 56 Rating, Add	*4,356.63*	
40 05 19 00-2365	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,465.50	958.31
		For Class 52 Rating, Deduct	*-1,651.49*	
		For Class 54 Rating, Add	*2,269.45*	
		For Class 55 Rating, Add	*3,382.86*	
		For Class 56 Rating, Add	*4,481.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2366	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,893.24	962.28
		For Class 52 Rating, Deduct	*-1,697.88*	
		For Class 54 Rating, Add	*2,332.78*	
		For Class 55 Rating, Add	*3,477.05*	
		For Class 56 Rating, Add	*4,605.88*	
40 05 19 00-2367	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,320.98	966.25
		For Class 52 Rating, Deduct	*-1,744.27*	
		For Class 54 Rating, Add	*2,396.11*	
		For Class 55 Rating, Add	*3,571.24*	
		For Class 56 Rating, Add	*4,730.51*	
40 05 19 00-2368	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,748.74	970.22
		For Class 52 Rating, Deduct	*-1,790.66*	
		For Class 54 Rating, Add	*2,459.45*	
		For Class 55 Rating, Add	*3,665.43*	
		For Class 56 Rating, Add	*4,855.14*	
40 05 19 00-2369	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,176.48	974.19
		For Class 52 Rating, Deduct	*-1,837.05*	
		For Class 54 Rating, Add	*2,522.78*	
		For Class 55 Rating, Add	*3,759.62*	
		For Class 56 Rating, Add	*4,979.76*	
40 05 19 00-2370	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,604.22	978.16
		For Class 52 Rating, Deduct	*-1,883.44*	
		For Class 54 Rating, Add	*2,586.11*	
		For Class 55 Rating, Add	*3,853.81*	
		For Class 56 Rating, Add	*5,104.39*	
40 05 19 00-2371	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,031.96	982.13
		For Class 52 Rating, Deduct	*-1,929.83*	
		For Class 54 Rating, Add	*2,649.44*	
		For Class 55 Rating, Add	*3,948.00*	
		For Class 56 Rating, Add	*5,229.02*	
40 05 19 00-2372	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,459.70	986.10
		For Class 52 Rating, Deduct	*-1,976.22*	
		For Class 54 Rating, Add	*2,712.77*	
		For Class 55 Rating, Add	*4,042.19*	
		For Class 56 Rating, Add	*5,353.64*	
40 05 19 00-2373	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,887.44	990.07
		For Class 52 Rating, Deduct	*-2,022.61*	
		For Class 54 Rating, Add	*2,776.10*	
		For Class 55 Rating, Add	*4,136.38*	
		For Class 56 Rating, Add	*5,478.27*	
40 05 19 00-2374	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,315.19	994.04
		For Class 52 Rating, Deduct	*-2,069.00*	
		For Class 54 Rating, Add	*2,839.43*	
		For Class 55 Rating, Add	*4,230.57*	
		For Class 56 Rating, Add	*5,602.90*	
40 05 19 00-2375	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,742.93	998.01
		For Class 52 Rating, Deduct	*-2,115.39*	
		For Class 54 Rating, Add	*2,902.77*	
		For Class 55 Rating, Add	*4,324.76*	
		For Class 56 Rating, Add	*5,727.52*	
40 05 19 00-2376	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,170.67	1,001.98
		For Class 52 Rating, Deduct	*-2,161.78*	
		For Class 54 Rating, Add	*2,966.10*	
		For Class 55 Rating, Add	*4,418.95*	
		For Class 56 Rating, Add	*5,852.15*	
40 05 19 00-2377	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,598.42	1,005.95
		For Class 52 Rating, Deduct	*-2,208.17*	
		For Class 54 Rating, Add	*3,029.43*	
		For Class 55 Rating, Add	*4,513.14*	
		For Class 56 Rating, Add	*5,976.77*	

40 05 19 00-2378 20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2379	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,757.27	980.55
		For Class 52 Rating, Deduct	*-579.88*	
		For Class 54 Rating, Add	*808.57*	
		For Class 55 Rating, Add	*1,211.22*	
		For Class 56 Rating, Add	*1,608.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2380	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,244.06	984.51
		For Class 52 Rating, Deduct	*-632.76*	
		For Class 54 Rating, Add	*880.76*	
		For Class 55 Rating, Add	*1,318.58*	
		For Class 56 Rating, Add	*1,750.65*	
40 05 19 00-2381	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,730.84	988.48
		For Class 52 Rating, Deduct	*-685.65*	
		For Class 54 Rating, Add	*952.94*	
		For Class 55 Rating, Add	*1,425.94*	
		For Class 56 Rating, Add	*1,892.69*	
40 05 19 00-2382	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,217.62	992.45
		For Class 52 Rating, Deduct	*-738.53*	
		For Class 54 Rating, Add	*1,025.13*	
		For Class 55 Rating, Add	*1,533.29*	
		For Class 56 Rating, Add	*2,034.74*	
40 05 19 00-2383	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,704.41	996.42
		For Class 52 Rating, Deduct	*-791.41*	
		For Class 54 Rating, Add	*1,097.32*	
		For Class 55 Rating, Add	*1,640.65*	
		For Class 56 Rating, Add	*2,176.78*	
40 05 19 00-2384	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,191.19	1,000.39
		For Class 52 Rating, Deduct	*-844.30*	
		For Class 54 Rating, Add	*1,169.51*	
		For Class 55 Rating, Add	*1,748.00*	
		For Class 56 Rating, Add	*2,318.82*	
40 05 19 00-2385	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,677.98	1,004.36
		For Class 52 Rating, Deduct	*-897.18*	
		For Class 54 Rating, Add	*1,241.69*	
		For Class 55 Rating, Add	*1,855.36*	
		For Class 56 Rating, Add	*2,460.87*	
40 05 19 00-2386	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,164.77	1,008.33
		For Class 52 Rating, Deduct	*-950.07*	
		For Class 54 Rating, Add	*1,313.88*	
		For Class 55 Rating, Add	*1,962.72*	
		For Class 56 Rating, Add	*2,602.91*	
40 05 19 00-2387	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,651.55	1,012.30
		For Class 52 Rating, Deduct	*-1,002.95*	
		For Class 54 Rating, Add	*1,386.07*	
		For Class 55 Rating, Add	*2,070.07*	
		For Class 56 Rating, Add	*2,744.96*	
40 05 19 00-2388	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,138.34	1,016.27
		For Class 52 Rating, Deduct	*-1,055.84*	
		For Class 54 Rating, Add	*1,458.26*	
		For Class 55 Rating, Add	*2,177.43*	
		For Class 56 Rating, Add	*2,887.00*	
40 05 19 00-2389	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,625.12	1,020.24
		For Class 52 Rating, Deduct	*-1,108.72*	
		For Class 54 Rating, Add	*1,530.44*	
		For Class 55 Rating, Add	*2,284.78*	
		For Class 56 Rating, Add	*3,029.04*	
40 05 19 00-2390	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,111.90	1,024.21
		For Class 52 Rating, Deduct	*-1,161.61*	
		For Class 54 Rating, Add	*1,602.63*	
		For Class 55 Rating, Add	*2,392.14*	
		For Class 56 Rating, Add	*3,171.09*	
40 05 19 00-2391	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,598.69	1,028.18
		For Class 52 Rating, Deduct	*-1,214.49*	
		For Class 54 Rating, Add	*1,674.82*	
		For Class 55 Rating, Add	*2,499.50*	
		For Class 56 Rating, Add	*3,313.13*	
40 05 19 00-2392	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,085.47	1,032.15
		For Class 52 Rating, Deduct	*-1,267.38*	
		For Class 54 Rating, Add	*1,747.01*	
		For Class 55 Rating, Add	*2,606.85*	
		For Class 56 Rating, Add	*3,455.17*	
40 05 19 00-2393	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,572.25	1,036.12
		For Class 52 Rating, Deduct	*-1,320.26*	
		For Class 54 Rating, Add	*1,819.20*	
		For Class 55 Rating, Add	*2,714.21*	
		For Class 56 Rating, Add	*3,597.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2394	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,059.04	1,040.09
		For Class 52 Rating, Deduct	*-1,373.15*	
		For Class 54 Rating, Add	*1,891.38*	
		For Class 55 Rating, Add	*2,821.56*	
		For Class 56 Rating, Add	*3,739.26*	
40 05 19 00-2395	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,545.83	1,044.06
		For Class 52 Rating, Deduct	*-1,426.03*	
		For Class 54 Rating, Add	*1,963.57*	
		For Class 55 Rating, Add	*2,928.92*	
		For Class 56 Rating, Add	*3,881.31*	
40 05 19 00-2396	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,032.62	1,048.03
		For Class 52 Rating, Deduct	*-1,478.92*	
		For Class 54 Rating, Add	*2,035.76*	
		For Class 55 Rating, Add	*3,036.28*	
		For Class 56 Rating, Add	*4,028.35*	
40 05 19 00-2397	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,519.40	1,052.00
		For Class 52 Rating, Deduct	*-1,531.80*	
		For Class 54 Rating, Add	*2,107.95*	
		For Class 55 Rating, Add	*3,143.63*	
		For Class 56 Rating, Add	*4,165.39*	
40 05 19 00-2398	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,006.18	1,055.97
		For Class 52 Rating, Deduct	*-1,584.69*	
		For Class 54 Rating, Add	*2,180.13*	
		For Class 55 Rating, Add	*3,250.99*	
		For Class 56 Rating, Add	*4,307.44*	
40 05 19 00-2399	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,492.97	1,059.94
		For Class 52 Rating, Deduct	*-1,637.57*	
		For Class 54 Rating, Add	*2,252.32*	
		For Class 55 Rating, Add	*3,358.34*	
		For Class 56 Rating, Add	*4,449.48*	
40 05 19 00-2400	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,979.75	1,063.91
		For Class 52 Rating, Deduct	*-1,690.45*	
		For Class 54 Rating, Add	*2,324.51*	
		For Class 55 Rating, Add	*3,465.70*	
		For Class 56 Rating, Add	*4,591.52*	
40 05 19 00-2401	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,466.53	1,067.88
		For Class 52 Rating, Deduct	*-1,743.34*	
		For Class 54 Rating, Add	*2,396.70*	
		For Class 55 Rating, Add	*3,573.06*	
		For Class 56 Rating, Add	*4,733.57*	
40 05 19 00-2402	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,953.32	1,071.84
		For Class 52 Rating, Deduct	*-1,796.22*	
		For Class 54 Rating, Add	*2,468.88*	
		For Class 55 Rating, Add	*3,680.41*	
		For Class 56 Rating, Add	*4,875.61*	
40 05 19 00-2403	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,440.10	1,075.81
		For Class 52 Rating, Deduct	*-1,849.11*	
		For Class 54 Rating, Add	*2,541.07*	
		For Class 55 Rating, Add	*3,787.77*	
		For Class 56 Rating, Add	*5,017.65*	
40 05 19 00-2404	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,926.90	1,079.79
		For Class 52 Rating, Deduct	*-1,901.99*	
		For Class 54 Rating, Add	*2,613.26*	
		For Class 55 Rating, Add	*3,895.12*	
		For Class 56 Rating, Add	*5,159.70*	
40 05 19 00-2405	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,413.68	1,083.76
		For Class 52 Rating, Deduct	*-1,954.88*	
		For Class 54 Rating, Add	*2,685.45*	
		For Class 55 Rating, Add	*4,002.48*	
		For Class 56 Rating, Add	*5,301.74*	
40 05 19 00-2406	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,900.46	1,087.73
		For Class 52 Rating, Deduct	*-2,007.76*	
		For Class 54 Rating, Add	*2,757.64*	
		For Class 55 Rating, Add	*4,109.84*	
		For Class 56 Rating, Add	*5,443.79*	
40 05 19 00-2407	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,387.25	1,091.70
		For Class 52 Rating, Deduct	*-2,060.65*	
		For Class 54 Rating, Add	*2,829.82*	
		For Class 55 Rating, Add	*4,217.19*	
		For Class 56 Rating, Add	*5,585.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2408	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,874.03	1,095.66
		For Class 52 Rating, Deduct	*-2,113.53*	
		For Class 54 Rating, Add	*2,902.01*	
		For Class 55 Rating, Add	*4,324.55*	
		For Class 56 Rating, Add	*5,727.87*	
40 05 19 00-2409	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,360.81	1,099.63
		For Class 52 Rating, Deduct	*-2,166.42*	
		For Class 54 Rating, Add	*2,974.20*	
		For Class 55 Rating, Add	*4,431.90*	
		For Class 56 Rating, Add	*5,869.92*	
40 05 19 00-2410	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,847.60	1,103.61
		For Class 52 Rating, Deduct	*-2,219.30*	
		For Class 54 Rating, Add	*3,046.39*	
		For Class 55 Rating, Add	*4,539.26*	
		For Class 56 Rating, Add	*6,011.96*	
40 05 19 00-2411	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,334.38	1,107.58
		For Class 52 Rating, Deduct	*-2,272.19*	
		For Class 54 Rating, Add	*3,118.57*	
		For Class 55 Rating, Add	*4,646.62*	
		For Class 56 Rating, Add	*6,154.00*	
40 05 19 00-2412	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,821.17	1,111.55
		For Class 52 Rating, Deduct	*-2,325.07*	
		For Class 54 Rating, Add	*3,190.76*	
		For Class 55 Rating, Add	*4,753.97*	
		For Class 56 Rating, Add	*6,296.05*	
40 05 19 00-2413	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,307.96	1,115.52
		For Class 52 Rating, Deduct	*-2,377.96*	
		For Class 54 Rating, Add	*3,262.95*	
		For Class 55 Rating, Add	*4,861.33*	
		For Class 56 Rating, Add	*6,438.09*	
40 05 19 00-2414	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,794.74	1,119.48
		For Class 52 Rating, Deduct	*-2,430.84*	
		For Class 54 Rating, Add	*3,335.14*	
		For Class 55 Rating, Add	*4,968.69*	
		For Class 56 Rating, Add	*6,580.14*	
40 05 19 00-2415	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,281.53	1,123.45
		For Class 52 Rating, Deduct	*-2,483.73*	
		For Class 54 Rating, Add	*3,407.32*	
		For Class 55 Rating, Add	*5,076.04*	
		For Class 56 Rating, Add	*6,722.18*	
40 05 19 00-2416	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,768.31	1,127.42
		For Class 52 Rating, Deduct	*-2,536.61*	
		For Class 54 Rating, Add	*3,479.51*	
		For Class 55 Rating, Add	*5,183.40*	
		For Class 56 Rating, Add	*6,864.22*	
40 05 19 00-2417		24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2418	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,335.30	1,159.19
		For Class 52 Rating, Deduct	*-723.69*	
		For Class 54 Rating, Add	*1,007.92*	
		For Class 55 Rating, Add	*1,509.26*	
		For Class 56 Rating, Add	*2,004.02*	
40 05 19 00-2419	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,937.35	1,163.15
		For Class 52 Rating, Deduct	*-789.25*	
		For Class 54 Rating, Add	*1,097.40*	
		For Class 55 Rating, Add	*1,642.32*	
		For Class 56 Rating, Add	*2,180.07*	
40 05 19 00-2420	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,539.41	1,167.12
		For Class 52 Rating, Deduct	*-854.81*	
		For Class 54 Rating, Add	*1,186.88*	
		For Class 55 Rating, Add	*1,775.38*	
		For Class 56 Rating, Add	*2,356.12*	
40 05 19 00-2421	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,141.46	1,171.09
		For Class 52 Rating, Deduct	*-920.38*	
		For Class 54 Rating, Add	*1,276.35*	
		For Class 55 Rating, Add	*1,908.44*	
		For Class 56 Rating, Add	*2,532.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2422	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,743.52	1,175.06
		For Class 52 Rating, Deduct	*-985.94*	
		For Class 54 Rating, Add	*1,365.83*	
		For Class 55 Rating, Add	*2,041.51*	
		For Class 56 Rating, Add	*2,708.22*	
40 05 19 00-2423	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,345.58	1,179.04
		For Class 52 Rating, Deduct	*-1,051.51*	
		For Class 54 Rating, Add	*1,455.31*	
		For Class 55 Rating, Add	*2,174.57*	
		For Class 56 Rating, Add	*2,884.27*	
40 05 19 00-2424	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,947.64	1,183.01
		For Class 52 Rating, Deduct	*-1,117.07*	
		For Class 54 Rating, Add	*1,544.79*	
		For Class 55 Rating, Add	*2,307.63*	
		For Class 56 Rating, Add	*3,060.31*	
40 05 19 00-2425	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,549.70	1,186.97
		For Class 52 Rating, Deduct	*-1,182.64*	
		For Class 54 Rating, Add	*1,634.27*	
		For Class 55 Rating, Add	*2,440.69*	
		For Class 56 Rating, Add	*3,236.36*	
40 05 19 00-2426	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,151.75	1,190.94
		For Class 52 Rating, Deduct	*-1,248.20*	
		For Class 54 Rating, Add	*1,723.75*	
		For Class 55 Rating, Add	*2,573.75*	
		For Class 56 Rating, Add	*3,412.41*	
40 05 19 00-2427	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,753.81	1,194.91
		For Class 52 Rating, Deduct	*-1,313.77*	
		For Class 54 Rating, Add	*1,813.23*	
		For Class 55 Rating, Add	*2,706.82*	
		For Class 56 Rating, Add	*3,588.46*	
40 05 19 00-2428	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,355.87	1,198.88
		For Class 52 Rating, Deduct	*-1,379.33*	
		For Class 54 Rating, Add	*1,902.70*	
		For Class 55 Rating, Add	*2,839.88*	
		For Class 56 Rating, Add	*3,764.51*	
40 05 19 00-2429	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,957.92	1,202.85
		For Class 52 Rating, Deduct	*-1,444.90*	
		For Class 54 Rating, Add	*1,992.18*	
		For Class 55 Rating, Add	*2,972.94*	
		For Class 56 Rating, Add	*3,940.56*	
40 05 19 00-2430	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,559.97	1,206.82
		For Class 52 Rating, Deduct	*-1,510.46*	
		For Class 54 Rating, Add	*2,081.66*	
		For Class 55 Rating, Add	*3,106.00*	
		For Class 56 Rating, Add	*4,116.61*	
40 05 19 00-2431	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,162.04	1,210.79
		For Class 52 Rating, Deduct	*-1,576.03*	
		For Class 54 Rating, Add	*2,171.14*	
		For Class 55 Rating, Add	*3,239.06*	
		For Class 56 Rating, Add	*4,292.66*	
40 05 19 00-2432	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,764.10	1,214.76
		For Class 52 Rating, Deduct	*-1,641.59*	
		For Class 54 Rating, Add	*2,260.62*	
		For Class 55 Rating, Add	*3,372.12*	
		For Class 56 Rating, Add	*4,468.71*	
40 05 19 00-2433	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,366.15	1,218.73
		For Class 52 Rating, Deduct	*-1,707.15*	
		For Class 54 Rating, Add	*2,350.10*	
		For Class 55 Rating, Add	*3,505.19*	
		For Class 56 Rating, Add	*4,644.76*	
40 05 19 00-2434	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,968.21	1,222.70
		For Class 52 Rating, Deduct	*-1,772.72*	
		For Class 54 Rating, Add	*2,439.58*	
		For Class 55 Rating, Add	*3,638.25*	
		For Class 56 Rating, Add	*4,820.80*	
40 05 19 00-2435	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,570.26	1,226.67
		For Class 52 Rating, Deduct	*-1,838.28*	
		For Class 54 Rating, Add	*2,529.05*	
		For Class 55 Rating, Add	*3,771.31*	
		For Class 56 Rating, Add	*4,996.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2436	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,172.33	1,230.64
		For Class 52 Rating, Deduct	*-1,903.85*	
		For Class 54 Rating, Add	*2,618.53*	
		For Class 55 Rating, Add	*3,904.37*	
		For Class 56 Rating, Add	*5,172.90*	
40 05 19 00-2437	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,774.38	1,234.61
		For Class 52 Rating, Deduct	*-1,969.41*	
		For Class 54 Rating, Add	*2,708.01*	
		For Class 55 Rating, Add	*4,037.43*	
		For Class 56 Rating, Add	*5,348.95*	
40 05 19 00-2438	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,376.43	1,238.58
		For Class 52 Rating, Deduct	*-2,034.98*	
		For Class 54 Rating, Add	*2,797.49*	
		For Class 55 Rating, Add	*4,170.49*	
		For Class 56 Rating, Add	*5,525.00*	
40 05 19 00-2439	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,978.49	1,242.55
		For Class 52 Rating, Deduct	*-2,100.54*	
		For Class 54 Rating, Add	*2,886.97*	
		For Class 55 Rating, Add	*4,303.56*	
		For Class 56 Rating, Add	*5,701.05*	
40 05 19 00-2440	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,580.55	1,246.52
		For Class 52 Rating, Deduct	*-2,166.11*	
		For Class 54 Rating, Add	*2,976.45*	
		For Class 55 Rating, Add	*4,436.62*	
		For Class 56 Rating, Add	*5,877.10*	
40 05 19 00-2441	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,182.61	1,250.49
		For Class 52 Rating, Deduct	*-2,231.67*	
		For Class 54 Rating, Add	*3,065.93*	
		For Class 55 Rating, Add	*4,569.68*	
		For Class 56 Rating, Add	*6,053.15*	
40 05 19 00-2442	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,784.67	1,254.46
		For Class 52 Rating, Deduct	*-2,297.24*	
		For Class 54 Rating, Add	*3,155.40*	
		For Class 55 Rating, Add	*4,702.74*	
		For Class 56 Rating, Add	*6,229.20*	
40 05 19 00-2443	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,386.72	1,258.43
		For Class 52 Rating, Deduct	*-2,362.80*	
		For Class 54 Rating, Add	*3,244.88*	
		For Class 55 Rating, Add	*4,835.80*	
		For Class 56 Rating, Add	*6,405.24*	
40 05 19 00-2444	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,988.79	1,262.40
		For Class 52 Rating, Deduct	*-2,428.37*	
		For Class 54 Rating, Add	*3,334.36*	
		For Class 55 Rating, Add	*4,968.87*	
		For Class 56 Rating, Add	*6,581.30*	
40 05 19 00-2445	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,590.84	1,266.37
		For Class 52 Rating, Deduct	*-2,493.93*	
		For Class 54 Rating, Add	*3,423.84*	
		For Class 55 Rating, Add	*5,101.93*	
		For Class 56 Rating, Add	*6,757.34*	
40 05 19 00-2446	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,192.89	1,270.34
		For Class 52 Rating, Deduct	*-2,559.50*	
		For Class 54 Rating, Add	*3,513.32*	
		For Class 55 Rating, Add	*5,234.99*	
		For Class 56 Rating, Add	*6,933.39*	
40 05 19 00-2447	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,897.20	1,341.79
		For Class 52 Rating, Deduct	*-2,625.06*	
		For Class 54 Rating, Add	*3,604.02*	
		For Class 55 Rating, Add	*5,370.50*	
		For Class 56 Rating, Add	*7,113.12*	
40 05 19 00-2448	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,499.25	1,345.76
		For Class 52 Rating, Deduct	*-2,690.62*	
		For Class 54 Rating, Add	*3,693.50*	
		For Class 55 Rating, Add	*5,503.57*	
		For Class 56 Rating, Add	*7,289.17*	
40 05 19 00-2449	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,101.32	1,349.73
		For Class 52 Rating, Deduct	*-2,756.19*	
		For Class 54 Rating, Add	*3,782.98*	
		For Class 55 Rating, Add	*5,636.63*	
		For Class 56 Rating, Add	*7,465.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,703.38	1,353.70
		For Class 52 Rating, Deduct	*-2,821.75*	
		For Class 54 Rating, Add	*3,872.46*	
		For Class 55 Rating, Add	*5,769.69*	
		For Class 56 Rating, Add	*7,641.27*	
40 05 19 00-2451	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,305.43	1,357.68
		For Class 52 Rating, Deduct	*-2,887.32*	
		For Class 54 Rating, Add	*3,961.94*	
		For Class 55 Rating, Add	*5,902.75*	
		For Class 56 Rating, Add	*7,817.32*	
40 05 19 00-2452	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,907.49	1,361.65
		For Class 52 Rating, Deduct	*-2,952.88*	
		For Class 54 Rating, Add	*4,051.42*	
		For Class 55 Rating, Add	*6,035.81*	
		For Class 56 Rating, Add	*7,998.37*	
40 05 19 00-2453	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,509.55	1,365.61
		For Class 52 Rating, Deduct	*-3,018.45*	
		For Class 54 Rating, Add	*4,140.90*	
		For Class 55 Rating, Add	*6,168.88*	
		For Class 56 Rating, Add	*8,169.42*	
40 05 19 00-2454	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,111.61	1,369.58
		For Class 52 Rating, Deduct	*-3,084.01*	
		For Class 54 Rating, Add	*4,230.37*	
		For Class 55 Rating, Add	*6,301.94*	
		For Class 56 Rating, Add	*8,345.47*	
40 05 19 00-2455	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,713.66	1,373.55
		For Class 52 Rating, Deduct	*-3,149.58*	
		For Class 54 Rating, Add	*4,319.85*	
		For Class 55 Rating, Add	*6,435.00*	
		For Class 56 Rating, Add	*8,521.51*	

40 05 19 00-2456 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2457	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,891.99	1,635.56
		For Class 52 Rating, Deduct	*-1,145.53*	
		For Class 54 Rating, Add	*1,591.82*	
		For Class 55 Rating, Add	*2,381.77*	
		For Class 56 Rating, Add	*3,161.30*	
40 05 19 00-2458	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,752.71	1,639.53
		For Class 52 Rating, Deduct	*-1,239.54*	
		For Class 54 Rating, Add	*1,720.10*	
		For Class 55 Rating, Add	*2,572.51*	
		For Class 56 Rating, Add	*3,413.66*	
40 05 19 00-2459	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,613.42	1,643.50
		For Class 52 Rating, Deduct	*-1,333.56*	
		For Class 54 Rating, Add	*1,848.37*	
		For Class 55 Rating, Add	*2,763.25*	
		For Class 56 Rating, Add	*3,666.01*	
40 05 19 00-2460	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,474.14	1,647.47
		For Class 52 Rating, Deduct	*-1,427.58*	
		For Class 54 Rating, Add	*1,976.65*	
		For Class 55 Rating, Add	*2,954.00*	
		For Class 56 Rating, Add	*3,918.37*	
40 05 19 00-2461	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,334.86	1,651.44
		For Class 52 Rating, Deduct	*-1,521.59*	
		For Class 54 Rating, Add	*2,104.93*	
		For Class 55 Rating, Add	*3,144.74*	
		For Class 56 Rating, Add	*4,170.72*	
40 05 19 00-2462	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,195.57	1,655.41
		For Class 52 Rating, Deduct	*-1,615.61*	
		For Class 54 Rating, Add	*2,233.21*	
		For Class 55 Rating, Add	*3,335.48*	
		For Class 56 Rating, Add	*4,423.07*	
40 05 19 00-2463	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,056.29	1,659.37
		For Class 52 Rating, Deduct	*-1,709.63*	
		For Class 54 Rating, Add	*2,361.48*	
		For Class 55 Rating, Add	*3,526.22*	
		For Class 56 Rating, Add	*4,675.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2464	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,917.01	1,663.35
		For Class 52 Rating, Deduct	*-1,803.65*	
		For Class 54 Rating, Add	*2,489.76*	
		For Class 55 Rating, Add	*3,716.97*	
		For Class 56 Rating, Add	*4,927.78*	
40 05 19 00-2465	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,777.73	1,667.32
		For Class 52 Rating, Deduct	*-1,897.66*	
		For Class 54 Rating, Add	*2,618.04*	
		For Class 55 Rating, Add	*3,907.71*	
		For Class 56 Rating, Add	*5,180.13*	
40 05 19 00-2466	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,638.45	1,671.29
		For Class 52 Rating, Deduct	*-1,991.68*	
		For Class 54 Rating, Add	*2,746.32*	
		For Class 55 Rating, Add	*4,098.45*	
		For Class 56 Rating, Add	*5,432.49*	
40 05 19 00-2467	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,499.16	1,675.26
		For Class 52 Rating, Deduct	*-2,085.70*	
		For Class 54 Rating, Add	*2,874.59*	
		For Class 55 Rating, Add	*4,289.20*	
		For Class 56 Rating, Add	*5,684.84*	
40 05 19 00-2468	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,359.87	1,679.23
		For Class 52 Rating, Deduct	*-2,179.71*	
		For Class 54 Rating, Add	*3,002.87*	
		For Class 55 Rating, Add	*4,479.94*	
		For Class 56 Rating, Add	*5,937.19*	
40 05 19 00-2469	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,220.60	1,683.19
		For Class 52 Rating, Deduct	*-2,273.73*	
		For Class 54 Rating, Add	*3,131.15*	
		For Class 55 Rating, Add	*4,670.68*	
		For Class 56 Rating, Add	*6,189.55*	
40 05 19 00-2470	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,081.31	1,687.17
		For Class 52 Rating, Deduct	*-2,367.75*	
		For Class 54 Rating, Add	*3,259.43*	
		For Class 55 Rating, Add	*4,861.43*	
		For Class 56 Rating, Add	*6,441.90*	
40 05 19 00-2471	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,942.02	1,691.14
		For Class 52 Rating, Deduct	*-2,461.77*	
		For Class 54 Rating, Add	*3,387.70*	
		For Class 55 Rating, Add	*5,052.17*	
		For Class 56 Rating, Add	*6,694.26*	
40 05 19 00-2472	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,802.75	1,695.11
		For Class 52 Rating, Deduct	*-2,555.78*	
		For Class 54 Rating, Add	*3,515.98*	
		For Class 55 Rating, Add	*5,242.91*	
		For Class 56 Rating, Add	*6,946.61*	
40 05 19 00-2473	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,663.46	1,699.08
		For Class 52 Rating, Deduct	*-2,649.80*	
		For Class 54 Rating, Add	*3,644.26*	
		For Class 55 Rating, Add	*5,433.65*	
		For Class 56 Rating, Add	*7,198.96*	
40 05 19 00-2474	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,524.19	1,703.04
		For Class 52 Rating, Deduct	*-2,743.82*	
		For Class 54 Rating, Add	*3,772.54*	
		For Class 55 Rating, Add	*5,624.40*	
		For Class 56 Rating, Add	*7,451.32*	
40 05 19 00-2475	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,384.90	1,707.01
		For Class 52 Rating, Deduct	*-2,837.84*	
		For Class 54 Rating, Add	*3,900.81*	
		For Class 55 Rating, Add	*5,815.14*	
		For Class 56 Rating, Add	*7,703.67*	
40 05 19 00-2476	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,245.61	1,710.99
		For Class 52 Rating, Deduct	*-2,931.85*	
		For Class 54 Rating, Add	*4,029.09*	
		For Class 55 Rating, Add	*6,005.88*	
		For Class 56 Rating, Add	*7,956.02*	
40 05 19 00-2477	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,106.33	1,714.96
		For Class 52 Rating, Deduct	*-3,025.87*	
		For Class 54 Rating, Add	*4,157.37*	
		For Class 55 Rating, Add	*6,196.63*	
		For Class 56 Rating, Add	*8,208.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2478	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,967.04	1,718.93
		For Class 52 Rating, Deduct	*-3,119.89*	
		For Class 54 Rating, Add	*4,285.64*	
		For Class 55 Rating, Add	*6,387.37*	
		For Class 56 Rating, Add	*8,460.73*	
40 05 19 00-2479	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,827.76	1,722.90
		For Class 52 Rating, Deduct	*-3,213.91*	
		For Class 54 Rating, Add	*4,413.92*	
		For Class 55 Rating, Add	*6,578.11*	
		For Class 56 Rating, Add	*8,713.09*	
40 05 19 00-2480	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,688.49	1,726.86
		For Class 52 Rating, Deduct	*-3,307.92*	
		For Class 54 Rating, Add	*4,542.20*	
		For Class 55 Rating, Add	*6,768.86*	
		For Class 56 Rating, Add	*8,965.44*	
40 05 19 00-2481	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,549.20	1,730.83
		For Class 52 Rating, Deduct	*-3,401.94*	
		For Class 54 Rating, Add	*4,670.48*	
		For Class 55 Rating, Add	*6,959.60*	
		For Class 56 Rating, Add	*9,217.79*	
40 05 19 00-2482	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,409.92	1,734.80
		For Class 52 Rating, Deduct	*-3,495.96*	
		For Class 54 Rating, Add	*4,798.76*	
		For Class 55 Rating, Add	*7,150.34*	
		For Class 56 Rating, Add	*9,470.14*	
40 05 19 00-2483	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,270.63	1,738.78
		For Class 52 Rating, Deduct	*-3,589.97*	
		For Class 54 Rating, Add	*4,927.03*	
		For Class 55 Rating, Add	*7,341.08*	
		For Class 56 Rating, Add	*9,722.50*	
40 05 19 00-2484	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,131.35	1,742.75
		For Class 52 Rating, Deduct	*-3,683.99*	
		For Class 54 Rating, Add	*5,055.31*	
		For Class 55 Rating, Add	*7,531.83*	
		For Class 56 Rating, Add	*9,974.85*	
40 05 19 00-2485	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,992.07	1,746.72
		For Class 52 Rating, Deduct	*-3,778.01*	
		For Class 54 Rating, Add	*5,183.59*	
		For Class 55 Rating, Add	*7,722.57*	
		For Class 56 Rating, Add	*10,227.21*	
40 05 19 00-2486	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,852.78	1,750.68
		For Class 52 Rating, Deduct	*-3,872.03*	
		For Class 54 Rating, Add	*5,311.87*	
		For Class 55 Rating, Add	*7,913.31*	
		For Class 56 Rating, Add	*10,479.56*	
40 05 19 00-2487	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,713.49	1,754.65
		For Class 52 Rating, Deduct	*-3,966.04*	
		For Class 54 Rating, Add	*5,440.14*	
		For Class 55 Rating, Add	*8,104.05*	
		For Class 56 Rating, Add	*10,731.91*	
40 05 19 00-2488	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,574.21	1,758.62
		For Class 52 Rating, Deduct	*-4,060.06*	
		For Class 54 Rating, Add	*5,568.42*	
		For Class 55 Rating, Add	*8,294.80*	
		For Class 56 Rating, Add	*10,984.27*	
40 05 19 00-2489	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,434.94	1,762.60
		For Class 52 Rating, Deduct	*-4,154.08*	
		For Class 54 Rating, Add	*5,696.70*	
		For Class 55 Rating, Add	*8,485.54*	
		For Class 56 Rating, Add	*11,236.62*	
40 05 19 00-2490	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,295.65	1,766.57
		For Class 52 Rating, Deduct	*-4,248.09*	
		For Class 54 Rating, Add	*5,824.98*	
		For Class 55 Rating, Add	*8,676.28*	
		For Class 56 Rating, Add	*11,488.97*	
40 05 19 00-2491	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,156.37	1,770.53
		For Class 52 Rating, Deduct	*-4,342.11*	
		For Class 54 Rating, Add	*5,953.25*	
		For Class 55 Rating, Add	*8,867.03*	
		For Class 56 Rating, Add	*11,741.33*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2492		36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*		
40 05 19 00-2493	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,987.40	2,072.24
		For Class 52 Rating, Deduct	*-1,633.24*	
		For Class 54 Rating, Add	*2,264.82*	
		For Class 55 Rating, Add	*3,386.38*	
		For Class 56 Rating, Add	*4,493.09*	
40 05 19 00-2494	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,140.51	2,076.21
		For Class 52 Rating, Deduct	*-1,759.42*	
		For Class 54 Rating, Add	*2,436.96*	
		For Class 55 Rating, Add	*3,642.33*	
		For Class 56 Rating, Add	*4,831.70*	
40 05 19 00-2495	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,293.63	2,080.18
		For Class 52 Rating, Deduct	*-1,885.60*	
		For Class 54 Rating, Add	*2,609.10*	
		For Class 55 Rating, Add	*3,898.27*	
		For Class 56 Rating, Add	*5,170.31*	
40 05 19 00-2496	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,446.74	2,084.15
		For Class 52 Rating, Deduct	*-2,011.78*	
		For Class 54 Rating, Add	*2,781.23*	
		For Class 55 Rating, Add	*4,154.22*	
		For Class 56 Rating, Add	*5,508.92*	
40 05 19 00-2497	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,599.85	2,088.11
		For Class 52 Rating, Deduct	*-2,137.96*	
		For Class 54 Rating, Add	*2,953.37*	
		For Class 55 Rating, Add	*4,410.17*	
		For Class 56 Rating, Add	*5,847.53*	
40 05 19 00-2498	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,752.97	2,092.09
		For Class 52 Rating, Deduct	*-2,264.15*	
		For Class 54 Rating, Add	*3,125.51*	
		For Class 55 Rating, Add	*4,666.12*	
		For Class 56 Rating, Add	*6,186.14*	
40 05 19 00-2499	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,906.08	2,096.06
		For Class 52 Rating, Deduct	*-2,390.33*	
		For Class 54 Rating, Add	*3,297.65*	
		For Class 55 Rating, Add	*4,922.06*	
		For Class 56 Rating, Add	*6,524.75*	
40 05 19 00-2500	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,059.20	2,100.03
		For Class 52 Rating, Deduct	*-2,516.51*	
		For Class 54 Rating, Add	*3,469.78*	
		For Class 55 Rating, Add	*5,178.01*	
		For Class 56 Rating, Add	*6,863.36*	
40 05 19 00-2501	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,212.32	2,104.00
		For Class 52 Rating, Deduct	*-2,642.69*	
		For Class 54 Rating, Add	*3,641.92*	
		For Class 55 Rating, Add	*5,433.96*	
		For Class 56 Rating, Add	*7,201.97*	
40 05 19 00-2502	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,365.43	2,107.97
		For Class 52 Rating, Deduct	*-2,768.87*	
		For Class 54 Rating, Add	*3,814.06*	
		For Class 55 Rating, Add	*5,689.91*	
		For Class 56 Rating, Add	*7,540.58*	
40 05 19 00-2503	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,518.55	2,111.93
		For Class 52 Rating, Deduct	*-2,895.05*	
		For Class 54 Rating, Add	*3,986.19*	
		For Class 55 Rating, Add	*5,945.85*	
		For Class 56 Rating, Add	*7,879.20*	
40 05 19 00-2504	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,671.66	2,115.90
		For Class 52 Rating, Deduct	*-3,021.23*	
		For Class 54 Rating, Add	*4,158.33*	
		For Class 55 Rating, Add	*6,201.80*	
		For Class 56 Rating, Add	*8,217.81*	
40 05 19 00-2505	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,824.77	2,119.88
		For Class 52 Rating, Deduct	*-3,147.41*	
		For Class 54 Rating, Add	*4,330.47*	
		For Class 55 Rating, Add	*6,457.75*	
		For Class 56 Rating, Add	*8,556.42*	
40 05 19 00-2506	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,977.89	2,123.85
		For Class 52 Rating, Deduct	*-3,273.59*	
		For Class 54 Rating, Add	*4,502.61*	
		For Class 55 Rating, Add	*6,713.70*	
		For Class 56 Rating, Add	*8,895.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2507	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,131.00	2,127.82
		For Class 52 Rating, Deduct	*-3,399.77*	
		For Class 54 Rating, Add	*4,674.74*	
		For Class 55 Rating, Add	*6,969.64*	
		For Class 56 Rating, Add	*9,233.64*	
40 05 19 00-2508	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,284.11	2,131.78
		For Class 52 Rating, Deduct	*-3,525.96*	
		For Class 54 Rating, Add	*4,846.88*	
		For Class 55 Rating, Add	*7,225.59*	
		For Class 56 Rating, Add	*9,572.25*	
40 05 19 00-2509	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,437.23	2,135.75
		For Class 52 Rating, Deduct	*-3,652.14*	
		For Class 54 Rating, Add	*5,019.02*	
		For Class 55 Rating, Add	*7,481.54*	
		For Class 56 Rating, Add	*9,910.86*	
40 05 19 00-2510	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,590.35	2,139.72
		For Class 52 Rating, Deduct	*-3,778.32*	
		For Class 54 Rating, Add	*5,191.16*	
		For Class 55 Rating, Add	*7,737.49*	
		For Class 56 Rating, Add	*10,249.47*	
40 05 19 00-2511	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,743.47	2,143.70
		For Class 52 Rating, Deduct	*-3,904.50*	
		For Class 54 Rating, Add	*5,363.29*	
		For Class 55 Rating, Add	*7,993.44*	
		For Class 56 Rating, Add	*10,588.08*	
40 05 19 00-2512	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,896.58	2,147.67
		For Class 52 Rating, Deduct	*-4,030.68*	
		For Class 54 Rating, Add	*5,535.43*	
		For Class 55 Rating, Add	*8,249.38*	
		For Class 56 Rating, Add	*10,926.69*	
40 05 19 00-2513	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,049.69	2,151.64
		For Class 52 Rating, Deduct	*-4,156.86*	
		For Class 54 Rating, Add	*5,707.57*	
		For Class 55 Rating, Add	*8,505.33*	
		For Class 56 Rating, Add	*11,265.31*	
40 05 19 00-2514	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,202.81	2,155.60
		For Class 52 Rating, Deduct	*-4,283.04*	
		For Class 54 Rating, Add	*5,879.70*	
		For Class 55 Rating, Add	*8,761.28*	
		For Class 56 Rating, Add	*11,603.92*	
40 05 19 00-2515	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,355.92	2,159.57
		For Class 52 Rating, Deduct	*-4,409.22*	
		For Class 54 Rating, Add	*6,051.84*	
		For Class 55 Rating, Add	*9,017.23*	
		For Class 56 Rating, Add	*11,942.53*	
40 05 19 00-2516	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,509.03	2,163.54
		For Class 52 Rating, Deduct	*-4,535.40*	
		For Class 54 Rating, Add	*6,223.98*	
		For Class 55 Rating, Add	*9,273.17*	
		For Class 56 Rating, Add	*12,281.14*	
40 05 19 00-2517	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,662.15	2,167.52
		For Class 52 Rating, Deduct	*-4,661.58*	
		For Class 54 Rating, Add	*6,396.12*	
		For Class 55 Rating, Add	*9,529.12*	
		For Class 56 Rating, Add	*12,619.75*	
40 05 19 00-2518	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,815.27	2,171.49
		For Class 52 Rating, Deduct	*-4,787.77*	
		For Class 54 Rating, Add	*6,568.25*	
		For Class 55 Rating, Add	*9,785.07*	
		For Class 56 Rating, Add	*12,958.36*	
40 05 19 00-2519	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,968.39	2,175.46
		For Class 52 Rating, Deduct	*-4,913.95*	
		For Class 54 Rating, Add	*6,740.39*	
		For Class 55 Rating, Add	*10,041.02*	
		For Class 56 Rating, Add	*13,296.97*	
40 05 19 00-2520	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,121.50	2,179.42
		For Class 52 Rating, Deduct	*-5,040.13*	
		For Class 54 Rating, Add	*6,912.53*	
		For Class 55 Rating, Add	*10,296.96*	
		For Class 56 Rating, Add	*13,635.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2521	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,274.61	2,183.39
		For Class 52 Rating, Deduct	*-5,166.31*	
		For Class 54 Rating, Add	*7,084.66*	
		For Class 55 Rating, Add	*10,552.91*	
		For Class 56 Rating, Add	*13,974.19*	
40 05 19 00-2522	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,427.73	2,187.36
		For Class 52 Rating, Deduct	*-5,292.49*	
		For Class 54 Rating, Add	*7,256.80*	
		For Class 55 Rating, Add	*10,803.86*	
		For Class 56 Rating, Add	*14,312.81*	
40 05 19 00-2523	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,580.84	2,191.33
		For Class 52 Rating, Deduct	*-5,418.67*	
		For Class 54 Rating, Add	*7,428.94*	
		For Class 55 Rating, Add	*11,064.81*	
		For Class 56 Rating, Add	*14,651.42*	
40 05 19 00-2524	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,733.95	2,195.31
		For Class 52 Rating, Deduct	*-5,544.85*	
		For Class 54 Rating, Add	*7,601.08*	
		For Class 55 Rating, Add	*11,320.76*	
		For Class 56 Rating, Add	*14,990.03*	
40 05 19 00-2525	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,887.07	2,199.27
		For Class 52 Rating, Deduct	*-5,671.03*	
		For Class 54 Rating, Add	*7,773.21*	
		For Class 55 Rating, Add	*11,576.70*	
		For Class 56 Rating, Add	*15,328.64*	
40 05 19 00-2526	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,040.18	2,203.24
		For Class 52 Rating, Deduct	*-5,797.21*	
		For Class 54 Rating, Add	*7,945.35*	
		For Class 55 Rating, Add	*11,832.65*	
		For Class 56 Rating, Add	*15,667.25*	
40 05 19 00-2527	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,193.30	2,207.21
		For Class 52 Rating, Deduct	*-5,923.39*	
		For Class 54 Rating, Add	*8,117.49*	
		For Class 55 Rating, Add	*12,088.60*	
		For Class 56 Rating, Add	*16,005.86*	

40 05 19 00-2528 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2060)*

40 05 19 00-2529	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,764.93	2,612.13
		For Class 52 Rating, Deduct	*-2,178.79*	
		For Class 54 Rating, Add	*3,018.57*	
		For Class 55 Rating, Add	*4,511.98*	
		For Class 56 Rating, Add	*5,985.59*	
40 05 19 00-2530	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,457.87	2,616.10
		For Class 52 Rating, Deduct	*-2,364.35*	
		For Class 54 Rating, Add	*3,271.68*	
		For Class 55 Rating, Add	*4,888.31*	
		For Class 56 Rating, Add	*6,483.45*	
40 05 19 00-2531	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,136.73	2,620.07
		For Class 52 Rating, Deduct	*-2,548.36*	
		For Class 54 Rating, Add	*3,522.68*	
		For Class 55 Rating, Add	*5,261.50*	
		For Class 56 Rating, Add	*6,977.15*	
40 05 19 00-2532	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,832.47	2,624.05
		For Class 52 Rating, Deduct	*-2,734.23*	
		For Class 54 Rating, Add	*3,776.21*	
		For Class 55 Rating, Add	*5,638.45*	
		For Class 56 Rating, Add	*7,475.84*	
40 05 19 00-2533	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,516.97	2,628.01
		For Class 52 Rating, Deduct	*-2,918.86*	
		For Class 54 Rating, Add	*4,028.05*	
		For Class 55 Rating, Add	*6,012.90*	
		For Class 56 Rating, Add	*7,971.21*	
40 05 19 00-2534	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,218.32	2,631.98
		For Class 52 Rating, Deduct	*-3,105.35*	
		For Class 54 Rating, Add	*4,282.42*	
		For Class 55 Rating, Add	*6,391.10*	
		For Class 56 Rating, Add	*8,471.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2535	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,902.81	2,635.95
		For Class 52 Rating, Deduct	*-3,289.98*	
		For Class 54 Rating, Add	*4,534.27*	
		For Class 55 Rating, Add	*6,765.55*	
		For Class 56 Rating, Add	*8,966.92*	
40 05 19 00-2536	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,606.99	2,639.92
		For Class 52 Rating, Deduct	*-3,476.78*	
		For Class 54 Rating, Add	*4,789.07*	
		For Class 55 Rating, Add	*7,144.38*	
		For Class 56 Rating, Add	*9,468.09*	
40 05 19 00-2537	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,297.10	2,643.89
		For Class 52 Rating, Deduct	*-3,662.03*	
		For Class 54 Rating, Add	*5,041.75*	
		For Class 55 Rating, Add	*7,520.08*	
		For Class 56 Rating, Add	*9,965.12*	
40 05 19 00-2538	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,001.28	2,647.86
		For Class 52 Rating, Deduct	*-3,848.83*	
		For Class 54 Rating, Add	*5,296.55*	
		For Class 55 Rating, Add	*7,898.92*	
		For Class 56 Rating, Add	*10,466.29*	
40 05 19 00-2539	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,691.40	2,651.83
		For Class 52 Rating, Deduct	*-4,034.08*	
		For Class 54 Rating, Add	*5,549.24*	
		For Class 55 Rating, Add	*8,274.61*	
		For Class 56 Rating, Add	*10,963.32*	
40 05 19 00-2540	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,398.38	2,655.80
		For Class 52 Rating, Deduct	*-4,221.19*	
		For Class 54 Rating, Add	*5,804.45*	
		For Class 55 Rating, Add	*8,654.07*	
		For Class 56 Rating, Add	*11,465.32*	
40 05 19 00-2541	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,088.50	2,659.77
		For Class 52 Rating, Deduct	*-4,406.44*	
		For Class 54 Rating, Add	*6,057.14*	
		For Class 55 Rating, Add	*9,029.77*	
		For Class 56 Rating, Add	*11,962.35*	
40 05 19 00-2542	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,784.23	2,663.74
		For Class 52 Rating, Deduct	*-4,592.31*	
		For Class 54 Rating, Add	*6,310.67*	
		For Class 55 Rating, Add	*9,406.73*	
		For Class 56 Rating, Add	*12,461.03*	
40 05 19 00-2543	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,488.40	2,667.71
		For Class 52 Rating, Deduct	*-4,779.11*	
		For Class 54 Rating, Add	*6,565.47*	
		For Class 55 Rating, Add	*9,785.56*	
		For Class 56 Rating, Add	*12,962.21*	
40 05 19 00-2544	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,181.33	2,671.68
		For Class 52 Rating, Deduct	*-4,964.67*	
		For Class 54 Rating, Add	*6,818.58*	
		For Class 55 Rating, Add	*10,161.88*	
		For Class 56 Rating, Add	*13,460.06*	
40 05 19 00-2545	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,893.93	2,675.65
		For Class 52 Rating, Deduct	*-5,152.39*	
		For Class 54 Rating, Add	*7,074.64*	
		For Class 55 Rating, Add	*10,542.60*	
		For Class 56 Rating, Add	*13,963.72*	
40 05 19 00-2546	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,589.67	2,679.62
		For Class 52 Rating, Deduct	*-5,338.26*	
		For Class 54 Rating, Add	*7,328.17*	
		For Class 55 Rating, Add	*10,919.55*	
		For Class 56 Rating, Add	*14,462.41*	
40 05 19 00-2547	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,299.47	2,683.59
		For Class 52 Rating, Deduct	*-5,525.68*	
		For Class 54 Rating, Add	*7,583.81*	
		For Class 55 Rating, Add	*11,299.64*	
		For Class 56 Rating, Add	*14,965.24*	
40 05 19 00-2548	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,992.40	2,687.56
		For Class 52 Rating, Deduct	*-5,711.24*	
		For Class 54 Rating, Add	*7,836.92*	
		For Class 55 Rating, Add	*11,675.97*	
		For Class 56 Rating, Add	*15,463.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2549	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,707.82	2,691.53
		For Class 52 Rating, Deduct	*-5,899.27*	
		For Class 54 Rating, Add	*8,093.40*	
		For Class 55 Rating, Add	*12,057.31*	
		For Class 56 Rating, Add	*15,967.58*	
40 05 19 00-2550	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,403.56	2,695.49
		For Class 52 Rating, Deduct	*-6,085.14*	
		For Class 54 Rating, Add	*8,346.93*	
		For Class 55 Rating, Add	*12,434.26*	
		For Class 56 Rating, Add	*16,466.27*	
40 05 19 00-2551	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,113.35	2,699.47
		For Class 52 Rating, Deduct	*-6,272.56*	
		For Class 54 Rating, Add	*8,602.57*	
		For Class 55 Rating, Add	*12,814.35*	
		For Class 56 Rating, Add	*16,969.10*	
40 05 19 00-2552	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,809.09	2,703.44
		For Class 52 Rating, Deduct	*-6,458.43*	
		For Class 54 Rating, Add	*8,856.10*	
		For Class 55 Rating, Add	*13,191.30*	
		For Class 56 Rating, Add	*17,467.79*	
40 05 19 00-2553	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,524.51	2,707.41
		For Class 52 Rating, Deduct	*-6,646.46*	
		For Class 54 Rating, Add	*9,112.58*	
		For Class 55 Rating, Add	*13,572.64*	
		For Class 56 Rating, Add	*17,972.28*	
40 05 19 00-2554	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,220.24	2,711.38
		For Class 52 Rating, Deduct	*-6,832.33*	
		For Class 54 Rating, Add	*9,366.11*	
		For Class 55 Rating, Add	*13,949.59*	
		For Class 56 Rating, Add	*18,470.96*	
40 05 19 00-2555	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,930.04	2,715.35
		For Class 52 Rating, Deduct	*-7,019.75*	
		For Class 54 Rating, Add	*9,621.75*	
		For Class 55 Rating, Add	*14,329.68*	
		For Class 56 Rating, Add	*18,973.79*	
40 05 19 00-2556	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,628.60	2,719.31
		For Class 52 Rating, Deduct	*-7,205.93*	
		For Class 54 Rating, Add	*9,875.71*	
		For Class 55 Rating, Add	*14,707.26*	
		For Class 56 Rating, Add	*19,473.31*	
40 05 19 00-2557	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,003.83	2,723.28
		For Class 52 Rating, Deduct	*-7,356.54*	
		For Class 54 Rating, Add	*10,081.16*	
		For Class 55 Rating, Add	*15,012.74*	
		For Class 56 Rating, Add	*19,877.44*	
40 05 19 00-2558	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,039.75	2,727.26
		For Class 52 Rating, Deduct	*-7,579.83*	
		For Class 54 Rating, Add	*10,385.72*	
		For Class 55 Rating, Add	*15,465.55*	
		For Class 56 Rating, Add	*20,476.48*	
40 05 19 00-2559	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,735.49	2,731.23
		For Class 52 Rating, Deduct	*-7,765.70*	
		For Class 54 Rating, Add	*10,639.25*	
		For Class 55 Rating, Add	*15,842.51*	
		For Class 56 Rating, Add	*20,975.17*	
40 05 19 00-2560	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,448.10	2,735.20
		For Class 52 Rating, Deduct	*-7,953.42*	
		For Class 54 Rating, Add	*10,895.31*	
		For Class 55 Rating, Add	*16,223.22*	
		For Class 56 Rating, Add	*21,478.83*	
40 05 19 00-2561	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,146.64	2,739.17
		For Class 52 Rating, Deduct	*-8,139.60*	
		For Class 54 Rating, Add	*11,149.26*	
		For Class 55 Rating, Add	*16,600.80*	
		For Class 56 Rating, Add	*21,978.34*	
40 05 19 00-2562	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,862.06	2,743.13
		For Class 52 Rating, Deduct	*-8,327.64*	
		For Class 54 Rating, Add	*11,405.75*	
		For Class 55 Rating, Add	*16,982.14*	
		For Class 56 Rating, Add	*22,482.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2563	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,554.99	2,747.10
		For Class 52 Rating, Deduct	*-8,513.20*	
		For Class 54 Rating, Add	*11,658.85*	
		For Class 55 Rating, Add	*17,358.47*	
		For Class 56 Rating, Add	*22,980.69*	
40 05 19 00-2564		**48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2060)*		
40 05 19 00-2565	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,808.45	3,283.03
		For Class 52 Rating, Deduct	*-2,731.76*	
		For Class 54 Rating, Add	*3,784.62*	
		For Class 55 Rating, Add	*5,657.40*	
		For Class 56 Rating, Add	*7,505.15*	
40 05 19 00-2566	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,226.74	3,287.00
		For Class 52 Rating, Deduct	*-2,997.11*	
		For Class 54 Rating, Add	*4,146.73*	
		For Class 55 Rating, Add	*6,195.48*	
		For Class 56 Rating, Add	*8,216.99*	
40 05 19 00-2567	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,650.66	3,290.97
		For Class 52 Rating, Deduct	*-3,263.08*	
		For Class 54 Rating, Add	*4,509.49*	
		For Class 55 Rating, Add	*6,734.82*	
		For Class 56 Rating, Add	*8,930.49*	
40 05 19 00-2568	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,102.70	3,294.94
		For Class 52 Rating, Deduct	*-3,532.14*	
		For Class 54 Rating, Add	*4,876.46*	
		For Class 55 Rating, Add	*7,280.43*	
		For Class 56 Rating, Add	*9,652.28*	
40 05 19 00-2569	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,546.30	3,298.91
		For Class 52 Rating, Deduct	*-3,800.28*	
		For Class 54 Rating, Add	*5,242.17*	
		For Class 55 Rating, Add	*7,824.16*	
		For Class 56 Rating, Add	*10,371.59*	
40 05 19 00-2570	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,995.54	3,302.88
		For Class 52 Rating, Deduct	*-4,069.03*	
		For Class 54 Rating, Add	*5,608.73*	
		For Class 55 Rating, Add	*8,369.14*	
		For Class 56 Rating, Add	*11,092.55*	
40 05 19 00-2571	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,461.63	3,306.84
		For Class 52 Rating, Deduct	*-4,339.64*	
		For Class 54 Rating, Add	*5,977.81*	
		For Class 55 Rating, Add	*8,917.88*	
		For Class 56 Rating, Add	*11,818.49*	
40 05 19 00-2572	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,922.10	3,310.82
		For Class 52 Rating, Deduct	*-4,609.63*	
		For Class 54 Rating, Add	*6,346.05*	
		For Class 55 Rating, Add	*9,465.37*	
		For Class 56 Rating, Add	*12,542.77*	
40 05 19 00-2573	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,379.76	3,314.79
		For Class 52 Rating, Deduct	*-4,879.31*	
		For Class 54 Rating, Add	*6,713.87*	
		For Class 55 Rating, Add	*10,012.23*	
		For Class 56 Rating, Add	*13,266.23*	
40 05 19 00-2574	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,862.72	3,318.76
		For Class 52 Rating, Deduct	*-5,151.77*	
		For Class 54 Rating, Add	*7,085.49*	
		For Class 55 Rating, Add	*10,564.73*	
		For Class 56 Rating, Add	*13,997.14*	
40 05 19 00-2575	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,328.81	3,322.73
		For Class 52 Rating, Deduct	*-5,422.38*	
		For Class 54 Rating, Add	*7,454.57*	
		For Class 55 Rating, Add	*11,113.47*	
		For Class 56 Rating, Add	*14,723.08*	
40 05 19 00-2576	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,814.59	3,326.69
		For Class 52 Rating, Deduct	*-5,695.16*	
		For Class 54 Rating, Add	*7,826.61*	
		For Class 55 Rating, Add	*11,666.60*	
		For Class 56 Rating, Add	*15,454.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2577	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,286.30	3,330.66
		For Class 52 Rating, Deduct	*-5,966.38*	
		For Class 54 Rating, Add	*8,196.53*	
		For Class 55 Rating, Add	*12,216.60*	
		For Class 56 Rating, Add	*16,182.43*	
40 05 19 00-2578	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,760.84	3,334.64
		For Class 52 Rating, Deduct	*-6,237.92*	
		For Class 54 Rating, Add	*8,566.88*	
		For Class 55 Rating, Add	*12,767.22*	
		For Class 56 Rating, Add	*16,910.86*	
40 05 19 00-2579	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,252.24	3,338.61
		For Class 52 Rating, Deduct	*-6,511.31*	
		For Class 54 Rating, Add	*8,939.76*	
		For Class 55 Rating, Add	*13,321.61*	
		For Class 56 Rating, Add	*17,644.26*	
40 05 19 00-2580	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,732.39	3,342.58
		For Class 52 Rating, Deduct	*-6,783.47*	
		For Class 54 Rating, Add	*9,310.96*	
		For Class 55 Rating, Add	*13,873.49*	
		For Class 56 Rating, Add	*18,374.35*	
40 05 19 00-2581	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,209.74	3,346.55
		For Class 52 Rating, Deduct	*-7,055.31*	
		For Class 54 Rating, Add	*9,681.73*	
		For Class 55 Rating, Add	*14,424.74*	
		For Class 56 Rating, Add	*19,103.61*	
40 05 19 00-2582	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,706.75	3,350.51
		For Class 52 Rating, Deduct	*-7,329.32*	
		For Class 54 Rating, Add	*10,055.45*	
		For Class 55 Rating, Add	*14,980.37*	
		For Class 56 Rating, Add	*19,838.67*	
40 05 19 00-2583	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,189.71	3,354.48
		For Class 52 Rating, Deduct	*-7,601.79*	
		For Class 54 Rating, Add	*10,427.06*	
		For Class 55 Rating, Add	*15,532.88*	
		For Class 56 Rating, Add	*20,569.58*	
40 05 19 00-2584	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,669.87	3,358.46
		For Class 52 Rating, Deduct	*-7,873.94*	
		For Class 54 Rating, Add	*10,798.26*	
		For Class 55 Rating, Add	*16,084.76*	
		For Class 56 Rating, Add	*21,299.67*	
40 05 19 00-2585	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,169.70	3,362.43
		For Class 52 Rating, Deduct	*-8,148.26*	
		For Class 54 Rating, Add	*11,172.40*	
		For Class 55 Rating, Add	*16,641.02*	
		For Class 56 Rating, Add	*22,035.57*	
40 05 19 00-2586	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,658.28	3,366.40
		For Class 52 Rating, Deduct	*-8,421.35*	
		For Class 54 Rating, Add	*11,544.86*	
		For Class 55 Rating, Add	*17,194.78*	
		For Class 56 Rating, Add	*22,768.14*	
40 05 19 00-2587	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,141.26	3,370.37
		For Class 52 Rating, Deduct	*-8,693.81*	
		For Class 54 Rating, Add	*11,916.48*	
		For Class 55 Rating, Add	*17,747.28*	
		For Class 56 Rating, Add	*23,499.06*	
40 05 19 00-2588	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,643.90	3,374.33
		For Class 52 Rating, Deduct	*-8,968.44*	
		For Class 54 Rating, Add	*12,291.04*	
		For Class 55 Rating, Add	*18,304.18*	
		For Class 56 Rating, Add	*24,235.78*	
40 05 19 00-2589	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,132.49	3,378.30
		For Class 52 Rating, Deduct	*-9,241.52*	
		For Class 54 Rating, Add	*12,663.50*	
		For Class 55 Rating, Add	*18,857.93*	
		For Class 56 Rating, Add	*24,968.35*	
40 05 19 00-2590	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,618.26	3,382.27
		For Class 52 Rating, Deduct	*-9,514.30*	
		For Class 54 Rating, Add	*13,035.54*	
		For Class 55 Rating, Add	*19,411.06*	
		For Class 56 Rating, Add	*25,700.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2591	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,123.71	3,386.25
		For Class 52 Rating, Deduct	*-9,789.23*	
		For Class 54 Rating, Add	*13,410.52*	
		For Class 55 Rating, Add	*19,968.58*	
		For Class 56 Rating, Add	*26,437.65*	
40 05 19 00-2592	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,615.12	3,390.22
		For Class 52 Rating, Deduct	*-10,062.63*	
		For Class 54 Rating, Add	*13,783.40*	
		For Class 55 Rating, Add	*20,522.97*	
		For Class 56 Rating, Add	*27,171.06*	
40 05 19 00-2593	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,814.11	3,394.18
		For Class 52 Rating, Deduct	*-10,303.86*	
		For Class 54 Rating, Add	*14,112.42*	
		For Class 55 Rating, Add	*21,012.15*	
		For Class 56 Rating, Add	*27,818.20*	
40 05 19 00-2594	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,611.96	3,398.15
		For Class 52 Rating, Deduct	*-10,610.96*	
		For Class 54 Rating, Add	*14,531.27*	
		For Class 55 Rating, Add	*21,634.87*	
		For Class 56 Rating, Add	*28,642.01*	
40 05 19 00-2595	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,100.56	3,402.12
		For Class 52 Rating, Deduct	*-10,884.04*	
		For Class 54 Rating, Add	*14,903.73*	
		For Class 55 Rating, Add	*22,188.63*	
		For Class 56 Rating, Add	*29,374.59*	
40 05 19 00-2596	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	106,611.64	3,406.09
		For Class 52 Rating, Deduct	*-11,159.60*	
		For Class 54 Rating, Add	*15,279.56*	
		For Class 55 Rating, Add	*22,747.41*	
		For Class 56 Rating, Add	*30,113.80*	
40 05 19 00-2597	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	109,100.22	3,410.07
		For Class 52 Rating, Deduct	*-11,432.68*	
		For Class 54 Rating, Add	*15,652.02*	
		For Class 55 Rating, Add	*23,301.16*	
		For Class 56 Rating, Add	*30,846.37*	
40 05 19 00-2598	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,588.81	3,414.04
		For Class 52 Rating, Deduct	*-11,705.76*	
		For Class 54 Rating, Add	*16,024.48*	
		For Class 55 Rating, Add	*23,854.92*	
		For Class 56 Rating, Add	*31,578.95*	
40 05 19 00-2599	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	114,102.70	3,418.00
		For Class 52 Rating, Deduct	*-11,981.63*	
		For Class 54 Rating, Add	*16,400.73*	
		For Class 55 Rating, Add	*24,414.32*	
		For Class 56 Rating, Add	*32,318.99*	

40 05 19 00-2600 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2059)*

40 05 19 00-2601 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2602	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	778.50	181.66
		For Class 52 Rating, Deduct	*-55.36*	
		For Class 54 Rating, Add	*78.79*	
		For Class 55 Rating, Add	*118.83*	
		For Class 56 Rating, Add	*158.37*	
40 05 19 00-2603	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	890.15	184.83
		For Class 52 Rating, Deduct	*-67.11*	
		For Class 54 Rating, Add	*94.88*	
		For Class 55 Rating, Add	*142.77*	
		For Class 56 Rating, Add	*190.06*	
40 05 19 00-2604	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,001.80	188.01
		For Class 52 Rating, Deduct	*-78.86*	
		For Class 54 Rating, Add	*110.96*	
		For Class 55 Rating, Add	*166.71*	
		For Class 56 Rating, Add	*221.75*	
40 05 19 00-2605	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,113.46	191.19
		For Class 52 Rating, Deduct	*-90.62*	
		For Class 54 Rating, Add	*127.04*	
		For Class 55 Rating, Add	*190.66*	
		For Class 56 Rating, Add	*253.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2606	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,225.10	194.37
		For Class 52 Rating, Deduct	*-102.37*	
		For Class 54 Rating, Add	*143.13*	
		For Class 55 Rating, Add	*214.59*	
		For Class 56 Rating, Add	*285.13*	
40 05 19 00-2607	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,336.75	197.54
		For Class 52 Rating, Deduct	*-114.12*	
		For Class 54 Rating, Add	*159.21*	
		For Class 55 Rating, Add	*238.53*	
		For Class 56 Rating, Add	*316.82*	
40 05 19 00-2608	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,448.40	200.72
		For Class 52 Rating, Deduct	*-125.87*	
		For Class 54 Rating, Add	*175.29*	
		For Class 55 Rating, Add	*262.48*	
		For Class 56 Rating, Add	*348.51*	
40 05 19 00-2609	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,560.06	203.89
		For Class 52 Rating, Deduct	*-137.62*	
		For Class 54 Rating, Add	*191.38*	
		For Class 55 Rating, Add	*286.42*	
		For Class 56 Rating, Add	*380.20*	
40 05 19 00-2610	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,671.69	207.07
		For Class 52 Rating, Deduct	*-149.38*	
		For Class 54 Rating, Add	*207.46*	
		For Class 55 Rating, Add	*310.35*	
		For Class 56 Rating, Add	*411.89*	
40 05 19 00-2611	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,783.35	210.24
		For Class 52 Rating, Deduct	*-161.13*	
		For Class 54 Rating, Add	*223.54*	
		For Class 55 Rating, Add	*334.30*	
		For Class 56 Rating, Add	*443.58*	
40 05 19 00-2612	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,895.00	213.41
		For Class 52 Rating, Deduct	*-172.88*	
		For Class 54 Rating, Add	*239.63*	
		For Class 55 Rating, Add	*358.24*	
		For Class 56 Rating, Add	*475.27*	
40 05 19 00-2613	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,006.65	216.60
		For Class 52 Rating, Deduct	*-184.63*	
		For Class 54 Rating, Add	*255.71*	
		For Class 55 Rating, Add	*382.18*	
		For Class 56 Rating, Add	*506.97*	
40 05 19 00-2614	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,118.30	219.77
		For Class 52 Rating, Deduct	*-196.39*	
		For Class 54 Rating, Add	*271.79*	
		For Class 55 Rating, Add	*406.12*	
		For Class 56 Rating, Add	*538.66*	
40 05 19 00-2615	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,229.95	222.95
		For Class 52 Rating, Deduct	*-208.14*	
		For Class 54 Rating, Add	*287.88*	
		For Class 55 Rating, Add	*430.06*	
		For Class 56 Rating, Add	*570.35*	
40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,341.60	226.12
		For Class 52 Rating, Deduct	*-219.89*	
		For Class 54 Rating, Add	*303.96*	
		For Class 55 Rating, Add	*454.00*	
		For Class 56 Rating, Add	*602.04*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,453.25	229.30
		For Class 52 Rating, Deduct	*-231.64*	
		For Class 54 Rating, Add	*320.04*	
		For Class 55 Rating, Add	*477.94*	
		For Class 56 Rating, Add	*633.73*	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,564.90	232.47
		For Class 52 Rating, Deduct	*-243.39*	
		For Class 54 Rating, Add	*336.13*	
		For Class 55 Rating, Add	*501.88*	
		For Class 56 Rating, Add	*665.42*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,676.55	235.65
		For Class 52 Rating, Deduct	*-255.15*	
		For Class 54 Rating, Add	*352.21*	
		For Class 55 Rating, Add	*525.82*	
		For Class 56 Rating, Add	*697.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,788.19	238.82
		For Class 52 Rating, Deduct	*-266.90*	
		For Class 54 Rating, Add	*368.29*	
		For Class 55 Rating, Add	*549.76*	
		For Class 56 Rating, Add	*728.80*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,899.85	242.01
		For Class 52 Rating, Deduct	*-278.65*	
		For Class 54 Rating, Add	*384.38*	
		For Class 55 Rating, Add	*573.70*	
		For Class 56 Rating, Add	*760.49*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,011.50	245.18
		For Class 52 Rating, Deduct	*-290.40*	
		For Class 54 Rating, Add	*400.46*	
		For Class 55 Rating, Add	*597.64*	
		For Class 56 Rating, Add	*792.18*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,123.15	248.36
		For Class 52 Rating, Deduct	*-302.15*	
		For Class 54 Rating, Add	*416.54*	
		For Class 55 Rating, Add	*621.58*	
		For Class 56 Rating, Add	*823.87*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,234.79	251.53
		For Class 52 Rating, Deduct	*-313.91*	
		For Class 54 Rating, Add	*432.63*	
		For Class 55 Rating, Add	*645.52*	
		For Class 56 Rating, Add	*855.56*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,346.45	254.70
		For Class 52 Rating, Deduct	*-325.66*	
		For Class 54 Rating, Add	*448.71*	
		For Class 55 Rating, Add	*669.46*	
		For Class 56 Rating, Add	*887.25*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,458.09	257.88
		For Class 52 Rating, Deduct	*-337.41*	
		For Class 54 Rating, Add	*464.79*	
		For Class 55 Rating, Add	*693.40*	
		For Class 56 Rating, Add	*918.94*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,569.75	261.05
		For Class 52 Rating, Deduct	*-349.16*	
		For Class 54 Rating, Add	*480.88*	
		For Class 55 Rating, Add	*717.34*	
		For Class 56 Rating, Add	*950.63*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,681.39	264.23
		For Class 52 Rating, Deduct	*-360.91*	
		For Class 54 Rating, Add	*496.96*	
		For Class 55 Rating, Add	*741.28*	
		For Class 56 Rating, Add	*982.32*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,793.05	267.41
		For Class 52 Rating, Deduct	*-372.67*	
		For Class 54 Rating, Add	*513.04*	
		For Class 55 Rating, Add	*765.22*	
		For Class 56 Rating, Add	*1,014.01*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,904.69	270.59
		For Class 52 Rating, Deduct	*-384.42*	
		For Class 54 Rating, Add	*529.13*	
		For Class 55 Rating, Add	*789.16*	
		For Class 56 Rating, Add	*1,045.70*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,016.34	273.76
		For Class 52 Rating, Deduct	*-396.17*	
		For Class 54 Rating, Add	*545.21*	
		For Class 55 Rating, Add	*813.10*	
		For Class 56 Rating, Add	*1,077.39*	
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,127.99	276.94
		For Class 52 Rating, Deduct	*-407.92*	
		For Class 54 Rating, Add	*561.29*	
		For Class 55 Rating, Add	*837.04*	
		For Class 56 Rating, Add	*1,109.08*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,239.63	280.11
		For Class 52 Rating, Deduct	*-419.68*	
		For Class 54 Rating, Add	*577.38*	
		For Class 55 Rating, Add	*860.98*	
		For Class 56 Rating, Add	*1,140.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,351.29	283.29
		For Class 52 Rating, Deduct	*-431.43*	
		For Class 54 Rating, Add	*593.46*	
		For Class 55 Rating, Add	*884.92*	
		For Class 56 Rating, Add	*1,172.46*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,462.94	286.46
		For Class 52 Rating, Deduct	*-443.18*	
		For Class 54 Rating, Add	*609.54*	
		For Class 55 Rating, Add	*908.86*	
		For Class 56 Rating, Add	*1,204.15*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,574.59	289.64
		For Class 52 Rating, Deduct	*-454.93*	
		For Class 54 Rating, Add	*625.63*	
		For Class 55 Rating, Add	*932.80*	
		For Class 56 Rating, Add	*1,235.84*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,686.23	292.82
		For Class 52 Rating, Deduct	*-466.68*	
		For Class 54 Rating, Add	*641.71*	
		For Class 55 Rating, Add	*956.74*	
		For Class 56 Rating, Add	*1,267.53*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,797.89	295.99
		For Class 52 Rating, Deduct	*-478.44*	
		For Class 54 Rating, Add	*657.79*	
		For Class 55 Rating, Add	*980.68*	
		For Class 56 Rating, Add	*1,299.22*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,881.42	299.17
		For Class 52 Rating, Deduct	*-487.10*	
		For Class 54 Rating, Add	*669.66*	
		For Class 55 Rating, Add	*998.35*	
		For Class 56 Rating, Add	*1,322.62*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,021.19	302.34
		For Class 52 Rating, Deduct	*-501.94*	
		For Class 54 Rating, Add	*689.96*	
		For Class 55 Rating, Add	*1,028.57*	
		For Class 56 Rating, Add	*1,362.61*	
40 05 19 00-2641		6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*		
40 05 19 00-2642	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,007.16	228.66
		For Class 52 Rating, Deduct	*-72.68*	
		For Class 54 Rating, Add	*103.26*	
		For Class 55 Rating, Add	*155.65*	
		For Class 56 Rating, Add	*207.38*	
40 05 19 00-2643	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,135.68	231.84
		For Class 52 Rating, Deduct	*-86.29*	
		For Class 54 Rating, Add	*121.88*	
		For Class 55 Rating, Add	*183.35*	
		For Class 56 Rating, Add	*244.05*	
40 05 19 00-2644	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,264.19	235.01
		For Class 52 Rating, Deduct	*-99.89*	
		For Class 54 Rating, Add	*140.49*	
		For Class 55 Rating, Add	*211.06*	
		For Class 56 Rating, Add	*280.71*	
40 05 19 00-2645	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,392.72	238.18
		For Class 52 Rating, Deduct	*-113.50*	
		For Class 54 Rating, Add	*159.11*	
		For Class 55 Rating, Add	*238.76*	
		For Class 56 Rating, Add	*317.38*	
40 05 19 00-2646	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,521.23	241.37
		For Class 52 Rating, Deduct	*-127.11*	
		For Class 54 Rating, Add	*177.72*	
		For Class 55 Rating, Add	*266.46*	
		For Class 56 Rating, Add	*354.05*	
40 05 19 00-2647	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,649.76	244.54
		For Class 52 Rating, Deduct	*-140.72*	
		For Class 54 Rating, Add	*196.33*	
		For Class 55 Rating, Add	*294.16*	
		For Class 56 Rating, Add	*390.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,778.27	247.72
		For Class 52 Rating, Deduct	*-154.32*	
		For Class 54 Rating, Add	*214.95*	
		For Class 55 Rating, Add	*321.87*	
		For Class 56 Rating, Add	*427.38*	
40 05 19 00-2649	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,906.80	250.89
		For Class 52 Rating, Deduct	*-167.93*	
		For Class 54 Rating, Add	*233.56*	
		For Class 55 Rating, Add	*349.57*	
		For Class 56 Rating, Add	*464.05*	
40 05 19 00-2650	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,035.31	254.07
		For Class 52 Rating, Deduct	*-181.54*	
		For Class 54 Rating, Add	*252.17*	
		For Class 55 Rating, Add	*377.27*	
		For Class 56 Rating, Add	*500.71*	
40 05 19 00-2651	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,163.83	257.24
		For Class 52 Rating, Deduct	*-195.15*	
		For Class 54 Rating, Add	*270.79*	
		For Class 55 Rating, Add	*404.97*	
		For Class 56 Rating, Add	*537.38*	
40 05 19 00-2652	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,292.35	260.42
		For Class 52 Rating, Deduct	*-208.76*	
		For Class 54 Rating, Add	*289.40*	
		For Class 55 Rating, Add	*432.67*	
		For Class 56 Rating, Add	*574.05*	
40 05 19 00-2653	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,420.87	263.59
		For Class 52 Rating, Deduct	*-222.36*	
		For Class 54 Rating, Add	*308.01*	
		For Class 55 Rating, Add	*460.38*	
		For Class 56 Rating, Add	*610.71*	
40 05 19 00-2654	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,549.38	266.78
		For Class 52 Rating, Deduct	*-235.97*	
		For Class 54 Rating, Add	*326.63*	
		For Class 55 Rating, Add	*488.08*	
		For Class 56 Rating, Add	*647.38*	
40 05 19 00-2655	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,677.91	269.95
		For Class 52 Rating, Deduct	*-249.58*	
		For Class 54 Rating, Add	*345.24*	
		For Class 55 Rating, Add	*515.78*	
		For Class 56 Rating, Add	*684.05*	
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,806.42	273.12
		For Class 52 Rating, Deduct	*-263.19*	
		For Class 54 Rating, Add	*363.86*	
		For Class 55 Rating, Add	*543.48*	
		For Class 56 Rating, Add	*720.71*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,934.95	276.30
		For Class 52 Rating, Deduct	*-276.79*	
		For Class 54 Rating, Add	*382.47*	
		For Class 55 Rating, Add	*571.18*	
		For Class 56 Rating, Add	*757.38*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,063.46	279.47
		For Class 52 Rating, Deduct	*-290.40*	
		For Class 54 Rating, Add	*401.08*	
		For Class 55 Rating, Add	*598.89*	
		For Class 56 Rating, Add	*794.05*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,191.98	282.65
		For Class 52 Rating, Deduct	*-304.01*	
		For Class 54 Rating, Add	*419.70*	
		For Class 55 Rating, Add	*626.59*	
		For Class 56 Rating, Add	*830.71*	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,320.50	285.82
		For Class 52 Rating, Deduct	*-317.62*	
		For Class 54 Rating, Add	*438.31*	
		For Class 55 Rating, Add	*654.29*	
		For Class 56 Rating, Add	*867.38*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,449.02	289.00
		For Class 52 Rating, Deduct	*-331.23*	
		For Class 54 Rating, Add	*456.93*	
		For Class 55 Rating, Add	*681.99*	
		For Class 56 Rating, Add	*904.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,577.53	292.18
		For Class 52 Rating, Deduct	*-344.83*	
		For Class 54 Rating, Add	*475.54*	
		For Class 55 Rating, Add	*709.69*	
		For Class 56 Rating, Add	*940.71*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,706.06	295.36
		For Class 52 Rating, Deduct	*-358.44*	
		For Class 54 Rating, Add	*494.15*	
		For Class 55 Rating, Add	*737.40*	
		For Class 56 Rating, Add	*977.38*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,834.57	298.53
		For Class 52 Rating, Deduct	*-372.05*	
		For Class 54 Rating, Add	*512.77*	
		For Class 55 Rating, Add	*765.10*	
		For Class 56 Rating, Add	*1,014.05*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,963.10	301.71
		For Class 52 Rating, Deduct	*-385.66*	
		For Class 54 Rating, Add	*531.38*	
		For Class 55 Rating, Add	*792.30*	
		For Class 56 Rating, Add	*1,050.72*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,091.61	304.88
		For Class 52 Rating, Deduct	*-399.26*	
		For Class 54 Rating, Add	*549.99*	
		For Class 55 Rating, Add	*820.50*	
		For Class 56 Rating, Add	*1,087.38*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,220.13	308.06
		For Class 52 Rating, Deduct	*-412.87*	
		For Class 54 Rating, Add	*568.61*	
		For Class 55 Rating, Add	*848.21*	
		For Class 56 Rating, Add	*1,124.05*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,348.65	311.23
		For Class 52 Rating, Deduct	*-426.48*	
		For Class 54 Rating, Add	*587.22*	
		For Class 55 Rating, Add	*875.91*	
		For Class 56 Rating, Add	*1,160.72*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,477.17	314.40
		For Class 52 Rating, Deduct	*-440.09*	
		For Class 54 Rating, Add	*605.84*	
		For Class 55 Rating, Add	*903.61*	
		For Class 56 Rating, Add	*1,197.38*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,605.69	317.59
		For Class 52 Rating, Deduct	*-453.70*	
		For Class 54 Rating, Add	*624.45*	
		For Class 55 Rating, Add	*931.31*	
		For Class 56 Rating, Add	*1,234.05*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,734.21	320.76
		For Class 52 Rating, Deduct	*-467.30*	
		For Class 54 Rating, Add	*643.06*	
		For Class 55 Rating, Add	*959.01*	
		For Class 56 Rating, Add	*1,270.72*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,862.72	323.94
		For Class 52 Rating, Deduct	*-480.91*	
		For Class 54 Rating, Add	*661.68*	
		For Class 55 Rating, Add	*986.72*	
		For Class 56 Rating, Add	*1,307.38*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,991.25	327.11
		For Class 52 Rating, Deduct	*-494.52*	
		For Class 54 Rating, Add	*680.29*	
		For Class 55 Rating, Add	*1,014.42*	
		For Class 56 Rating, Add	*1,344.05*	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,119.76	330.29
		For Class 52 Rating, Deduct	*-508.13*	
		For Class 54 Rating, Add	*698.90*	
		For Class 55 Rating, Add	*1,042.12*	
		For Class 56 Rating, Add	*1,380.72*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,248.28	333.46
		For Class 52 Rating, Deduct	*-521.73*	
		For Class 54 Rating, Add	*717.52*	
		For Class 55 Rating, Add	*1,069.82*	
		For Class 56 Rating, Add	*1,417.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,376.80	336.64
		For Class 52 Rating, Deduct	*-535.34*	
		For Class 54 Rating, Add	*736.13*	
		For Class 55 Rating, Add	*1,097.52*	
		For Class 56 Rating, Add	*1,454.05*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,505.32	339.81
		For Class 52 Rating, Deduct	*-548.95*	
		For Class 54 Rating, Add	*754.75*	
		For Class 55 Rating, Add	*1,125.23*	
		For Class 56 Rating, Add	*1,490.72*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,633.83	343.00
		For Class 52 Rating, Deduct	*-562.56*	
		For Class 54 Rating, Add	*773.36*	
		For Class 55 Rating, Add	*1,152.93*	
		For Class 56 Rating, Add	*1,527.38*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,762.36	346.17
		For Class 52 Rating, Deduct	*-576.16*	
		For Class 54 Rating, Add	*791.97*	
		For Class 55 Rating, Add	*1,180.63*	
		For Class 56 Rating, Add	*1,564.05*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,890.88	349.35
		For Class 52 Rating, Deduct	*-589.77*	
		For Class 54 Rating, Add	*810.59*	
		For Class 55 Rating, Add	*1,208.33*	
		For Class 56 Rating, Add	*1,600.72*	

40 05 19 00-2681 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2682	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,381.74	292.18
		For Class 52 Rating, Deduct	*-103.30*	
		For Class 54 Rating, Add	*146.17*	
		For Class 55 Rating, Add	*220.03*	
		For Class 56 Rating, Add	*292.96*	
40 05 19 00-2683	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,546.81	295.36
		For Class 52 Rating, Deduct	*-120.92*	
		For Class 54 Rating, Add	*170.27*	
		For Class 55 Rating, Add	*255.88*	
		For Class 56 Rating, Add	*340.40*	
40 05 19 00-2684	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,711.87	298.53
		For Class 52 Rating, Deduct	*-138.55*	
		For Class 54 Rating, Add	*194.36*	
		For Class 55 Rating, Add	*291.74*	
		For Class 56 Rating, Add	*387.85*	
40 05 19 00-2685	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,876.95	301.71
		For Class 52 Rating, Deduct	*-156.18*	
		For Class 54 Rating, Add	*218.46*	
		For Class 55 Rating, Add	*327.59*	
		For Class 56 Rating, Add	*435.30*	
40 05 19 00-2686	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,042.01	304.88
		For Class 52 Rating, Deduct	*-173.81*	
		For Class 54 Rating, Add	*242.55*	
		For Class 55 Rating, Add	*363.44*	
		For Class 56 Rating, Add	*482.75*	
40 05 19 00-2687	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,207.08	308.06
		For Class 52 Rating, Deduct	*-191.44*	
		For Class 54 Rating, Add	*266.65*	
		For Class 55 Rating, Add	*399.30*	
		For Class 56 Rating, Add	*530.20*	
40 05 19 00-2688	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,372.15	311.23
		For Class 52 Rating, Deduct	*-209.06*	
		For Class 54 Rating, Add	*290.75*	
		For Class 55 Rating, Add	*435.15*	
		For Class 56 Rating, Add	*577.65*	
40 05 19 00-2689	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,537.22	314.40
		For Class 52 Rating, Deduct	*-226.69*	
		For Class 54 Rating, Add	*314.84*	
		For Class 55 Rating, Add	*471.00*	
		For Class 56 Rating, Add	*625.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2690	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,702.29	317.59
		For Class 52 Rating, Deduct	*-244.32*	
		For Class 54 Rating, Add	*338.94*	
		For Class 55 Rating, Add	*506.85*	
		For Class 56 Rating, Add	*672.55*	
40 05 19 00-2691	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,867.36	320.76
		For Class 52 Rating, Deduct	*-261.95*	
		For Class 54 Rating, Add	*363.04*	
		For Class 55 Rating, Add	*542.71*	
		For Class 56 Rating, Add	*720.00*	
40 05 19 00-2692	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,032.42	323.94
		For Class 52 Rating, Deduct	*-279.58*	
		For Class 54 Rating, Add	*387.13*	
		For Class 55 Rating, Add	*578.56*	
		For Class 56 Rating, Add	*767.44*	
40 05 19 00-2693	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,197.50	327.11
		For Class 52 Rating, Deduct	*-297.21*	
		For Class 54 Rating, Add	*411.23*	
		For Class 55 Rating, Add	*614.41*	
		For Class 56 Rating, Add	*814.89*	
40 05 19 00-2694	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,362.56	330.29
		For Class 52 Rating, Deduct	*-314.83*	
		For Class 54 Rating, Add	*435.32*	
		For Class 55 Rating, Add	*650.27*	
		For Class 56 Rating, Add	*862.34*	
40 05 19 00-2695	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,527.63	333.46
		For Class 52 Rating, Deduct	*-332.46*	
		For Class 54 Rating, Add	*459.42*	
		For Class 55 Rating, Add	*686.12*	
		For Class 56 Rating, Add	*909.79*	
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,692.70	336.64
		For Class 52 Rating, Deduct	*-350.09*	
		For Class 54 Rating, Add	*483.52*	
		For Class 55 Rating, Add	*721.97*	
		For Class 56 Rating, Add	*957.24*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,857.77	339.81
		For Class 52 Rating, Deduct	*-367.72*	
		For Class 54 Rating, Add	*507.61*	
		For Class 55 Rating, Add	*757.82*	
		For Class 56 Rating, Add	*1,004.69*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,022.83	343.00
		For Class 52 Rating, Deduct	*-385.35*	
		For Class 54 Rating, Add	*531.71*	
		For Class 55 Rating, Add	*793.67*	
		For Class 56 Rating, Add	*1,052.14*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,187.91	346.17
		For Class 52 Rating, Deduct	*-402.98*	
		For Class 54 Rating, Add	*555.81*	
		For Class 55 Rating, Add	*829.53*	
		For Class 56 Rating, Add	*1,099.59*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,352.98	349.35
		For Class 52 Rating, Deduct	*-420.60*	
		For Class 54 Rating, Add	*579.90*	
		For Class 55 Rating, Add	*865.38*	
		For Class 56 Rating, Add	*1,147.04*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,518.04	352.52
		For Class 52 Rating, Deduct	*-438.23*	
		For Class 54 Rating, Add	*604.00*	
		For Class 55 Rating, Add	*901.23*	
		For Class 56 Rating, Add	*1,194.48*	
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,683.11	355.69
		For Class 52 Rating, Deduct	*-455.86*	
		For Class 54 Rating, Add	*628.09*	
		For Class 55 Rating, Add	*937.09*	
		For Class 56 Rating, Add	*1,241.93*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,848.19	358.87
		For Class 52 Rating, Deduct	*-473.49*	
		For Class 54 Rating, Add	*652.19*	
		For Class 55 Rating, Add	*972.94*	
		For Class 56 Rating, Add	*1,289.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,013.24	362.04
		For Class 52 Rating, Deduct	*-491.12*	
		For Class 54 Rating, Add	*676.29*	
		For Class 55 Rating, Add	*1,008.79*	
		For Class 56 Rating, Add	*1,336.83*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,178.32	365.22
		For Class 52 Rating, Deduct	*-508.74*	
		For Class 54 Rating, Add	*700.38*	
		For Class 55 Rating, Add	*1,044.64*	
		For Class 56 Rating, Add	*1,384.28*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,343.39	368.40
		For Class 52 Rating, Deduct	*-526.37*	
		For Class 54 Rating, Add	*724.48*	
		For Class 55 Rating, Add	*1,080.50*	
		For Class 56 Rating, Add	*1,431.73*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,508.45	371.58
		For Class 52 Rating, Deduct	*-544.00*	
		For Class 54 Rating, Add	*748.57*	
		For Class 55 Rating, Add	*1,116.35*	
		For Class 56 Rating, Add	*1,479.18*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,673.52	374.75
		For Class 52 Rating, Deduct	*-561.63*	
		For Class 54 Rating, Add	*772.67*	
		For Class 55 Rating, Add	*1,152.20*	
		For Class 56 Rating, Add	*1,526.63*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,838.60	377.93
		For Class 52 Rating, Deduct	*-579.26*	
		For Class 54 Rating, Add	*796.77*	
		For Class 55 Rating, Add	*1,188.06*	
		For Class 56 Rating, Add	*1,574.08*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,003.65	381.10
		For Class 52 Rating, Deduct	*-596.89*	
		For Class 54 Rating, Add	*820.86*	
		For Class 55 Rating, Add	*1,223.91*	
		For Class 56 Rating, Add	*1,621.52*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,168.73	384.28
		For Class 52 Rating, Deduct	*-614.51*	
		For Class 54 Rating, Add	*844.96*	
		For Class 55 Rating, Add	*1,259.76*	
		For Class 56 Rating, Add	*1,668.98*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,333.80	387.45
		For Class 52 Rating, Deduct	*-632.14*	
		For Class 54 Rating, Add	*869.06*	
		For Class 55 Rating, Add	*1,295.61*	
		For Class 56 Rating, Add	*1,716.43*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,498.87	390.62
		For Class 52 Rating, Deduct	*-649.77*	
		For Class 54 Rating, Add	*893.15*	
		For Class 55 Rating, Add	*1,331.47*	
		For Class 56 Rating, Add	*1,763.87*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,663.93	393.81
		For Class 52 Rating, Deduct	*-667.40*	
		For Class 54 Rating, Add	*917.25*	
		For Class 55 Rating, Add	*1,367.32*	
		For Class 56 Rating, Add	*1,811.32*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,829.01	396.98
		For Class 52 Rating, Deduct	*-685.03*	
		For Class 54 Rating, Add	*941.35*	
		For Class 55 Rating, Add	*1,403.17*	
		For Class 56 Rating, Add	*1,858.77*	
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,994.07	400.16
		For Class 52 Rating, Deduct	*-702.65*	
		For Class 54 Rating, Add	*965.44*	
		For Class 55 Rating, Add	*1,439.02*	
		For Class 56 Rating, Add	*1,906.22*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,159.14	403.33
		For Class 52 Rating, Deduct	*-720.28*	
		For Class 54 Rating, Add	*989.54*	
		For Class 55 Rating, Add	*1,474.88*	
		For Class 56 Rating, Add	*1,953.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,324.21	406.51
		For Class 52 Rating, Deduct	*-737.91*	
		For Class 54 Rating, Add	*1,013.63*	
		For Class 55 Rating, Add	*1,510.73*	
		For Class 56 Rating, Add	*2,001.12*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,489.28	409.68
		For Class 52 Rating, Deduct	*-755.54*	
		For Class 54 Rating, Add	*1,037.73*	
		For Class 55 Rating, Add	*1,546.58*	
		For Class 56 Rating, Add	*2,048.57*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,654.34	412.86
		For Class 52 Rating, Deduct	*-773.17*	
		For Class 54 Rating, Add	*1,061.83*	
		For Class 55 Rating, Add	*1,582.44*	
		For Class 56 Rating, Add	*2,096.02*	
40 05 19 00-2721		10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*		
40 05 19 00-2722	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,736.64	355.69
		For Class 52 Rating, Deduct	*-131.75*	
		For Class 54 Rating, Add	*186.12*	
		For Class 55 Rating, Add	*280.02*	
		For Class 56 Rating, Add	*372.73*	
40 05 19 00-2723	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,949.51	358.87
		For Class 52 Rating, Deduct	*-154.63*	
		For Class 54 Rating, Add	*217.39*	
		For Class 55 Rating, Add	*326.53*	
		For Class 56 Rating, Add	*434.27*	
40 05 19 00-2724	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,162.36	362.04
		For Class 52 Rating, Deduct	*-177.52*	
		For Class 54 Rating, Add	*248.65*	
		For Class 55 Rating, Add	*373.04*	
		For Class 56 Rating, Add	*495.82*	
40 05 19 00-2725	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,375.23	365.22
		For Class 52 Rating, Deduct	*-200.40*	
		For Class 54 Rating, Add	*279.92*	
		For Class 55 Rating, Add	*419.56*	
		For Class 56 Rating, Add	*557.37*	
40 05 19 00-2726	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,588.10	368.40
		For Class 52 Rating, Deduct	*-223.29*	
		For Class 54 Rating, Add	*311.19*	
		For Class 55 Rating, Add	*466.07*	
		For Class 56 Rating, Add	*618.92*	
40 05 19 00-2727	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,800.96	371.58
		For Class 52 Rating, Deduct	*-246.18*	
		For Class 54 Rating, Add	*342.45*	
		For Class 55 Rating, Add	*512.58*	
		For Class 56 Rating, Add	*680.47*	
40 05 19 00-2728	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,013.82	374.75
		For Class 52 Rating, Deduct	*-269.06*	
		For Class 54 Rating, Add	*373.72*	
		For Class 55 Rating, Add	*559.09*	
		For Class 56 Rating, Add	*742.02*	
40 05 19 00-2729	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,226.69	377.93
		For Class 52 Rating, Deduct	*-291.95*	
		For Class 54 Rating, Add	*404.98*	
		For Class 55 Rating, Add	*605.60*	
		For Class 56 Rating, Add	*803.56*	
40 05 19 00-2730	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,439.55	381.10
		For Class 52 Rating, Deduct	*-314.83*	
		For Class 54 Rating, Add	*436.25*	
		For Class 55 Rating, Add	*652.11*	
		For Class 56 Rating, Add	*865.12*	
40 05 19 00-2731	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,652.42	384.28
		For Class 52 Rating, Deduct	*-337.72*	
		For Class 54 Rating, Add	*467.51*	
		For Class 55 Rating, Add	*698.62*	
		For Class 56 Rating, Add	*926.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2732	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,865.28	387.45
		For Class 52 Rating, Deduct	*-360.61*	
		For Class 54 Rating, Add	*498.78*	
		For Class 55 Rating, Add	*745.13*	
		For Class 56 Rating, Add	*988.21*	
40 05 19 00-2733	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,078.15	390.62
		For Class 52 Rating, Deduct	*-383.49*	
		For Class 54 Rating, Add	*530.04*	
		For Class 55 Rating, Add	*791.65*	
		For Class 56 Rating, Add	*1,049.76*	
40 05 19 00-2734	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,291.01	393.81
		For Class 52 Rating, Deduct	*-406.38*	
		For Class 54 Rating, Add	*561.31*	
		For Class 55 Rating, Add	*838.16*	
		For Class 56 Rating, Add	*1,111.31*	
40 05 19 00-2735	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,503.88	396.98
		For Class 52 Rating, Deduct	*-429.26*	
		For Class 54 Rating, Add	*592.58*	
		For Class 55 Rating, Add	*884.67*	
		For Class 56 Rating, Add	*1,172.86*	
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,716.74	400.16
		For Class 52 Rating, Deduct	*-452.15*	
		For Class 54 Rating, Add	*623.84*	
		For Class 55 Rating, Add	*931.18*	
		For Class 56 Rating, Add	*1,234.41*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,929.60	403.33
		For Class 52 Rating, Deduct	*-475.03*	
		For Class 54 Rating, Add	*655.11*	
		For Class 55 Rating, Add	*977.69*	
		For Class 56 Rating, Add	*1,295.95*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,142.47	406.51
		For Class 52 Rating, Deduct	*-497.92*	
		For Class 54 Rating, Add	*686.37*	
		For Class 55 Rating, Add	*1,024.20*	
		For Class 56 Rating, Add	*1,357.51*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,355.34	409.68
		For Class 52 Rating, Deduct	*-520.81*	
		For Class 54 Rating, Add	*717.64*	
		For Class 55 Rating, Add	*1,070.71*	
		For Class 56 Rating, Add	*1,419.05*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,568.19	412.86
		For Class 52 Rating, Deduct	*-543.69*	
		For Class 54 Rating, Add	*748.90*	
		For Class 55 Rating, Add	*1,117.22*	
		For Class 56 Rating, Add	*1,480.60*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,781.06	416.03
		For Class 52 Rating, Deduct	*-566.58*	
		For Class 54 Rating, Add	*780.17*	
		For Class 55 Rating, Add	*1,163.73*	
		For Class 56 Rating, Add	*1,542.15*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,993.93	419.22
		For Class 52 Rating, Deduct	*-589.46*	
		For Class 54 Rating, Add	*811.44*	
		For Class 55 Rating, Add	*1,210.25*	
		For Class 56 Rating, Add	*1,603.70*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,206.80	422.39
		For Class 52 Rating, Deduct	*-612.35*	
		For Class 54 Rating, Add	*842.70*	
		For Class 55 Rating, Add	*1,256.76*	
		For Class 56 Rating, Add	*1,665.25*	
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,419.65	425.57
		For Class 52 Rating, Deduct	*-635.23*	
		For Class 54 Rating, Add	*873.97*	
		For Class 55 Rating, Add	*1,303.27*	
		For Class 56 Rating, Add	*1,726.80*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,632.52	428.74
		For Class 52 Rating, Deduct	*-658.12*	
		For Class 54 Rating, Add	*905.23*	
		For Class 55 Rating, Add	*1,349.78*	
		For Class 56 Rating, Add	*1,788.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,845.39	431.91
		For Class 52 Rating, Deduct	*-681.01*	
		For Class 54 Rating, Add	*936.50*	
		For Class 55 Rating, Add	*1,396.29*	
		For Class 56 Rating, Add	*1,849.90*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,058.25	435.09
		For Class 52 Rating, Deduct	*-703.89*	
		For Class 54 Rating, Add	*967.76*	
		For Class 55 Rating, Add	*1,442.80*	
		For Class 56 Rating, Add	*1,911.44*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,271.11	438.26
		For Class 52 Rating, Deduct	*-726.78*	
		For Class 54 Rating, Add	*999.03*	
		For Class 55 Rating, Add	*1,489.31*	
		For Class 56 Rating, Add	*1,972.99*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,483.98	441.44
		For Class 52 Rating, Deduct	*-749.66*	
		For Class 54 Rating, Add	*1,030.29*	
		For Class 55 Rating, Add	*1,535.82*	
		For Class 56 Rating, Add	*2,034.54*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,696.84	444.62
		For Class 52 Rating, Deduct	*-772.55*	
		For Class 54 Rating, Add	*1,061.56*	
		For Class 55 Rating, Add	*1,582.34*	
		For Class 56 Rating, Add	*2,096.09*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,909.71	447.80
		For Class 52 Rating, Deduct	*-795.44*	
		For Class 54 Rating, Add	*1,092.83*	
		For Class 55 Rating, Add	*1,628.85*	
		For Class 56 Rating, Add	*2,157.64*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,122.57	450.97
		For Class 52 Rating, Deduct	*-818.32*	
		For Class 54 Rating, Add	*1,124.09*	
		For Class 55 Rating, Add	*1,675.36*	
		For Class 56 Rating, Add	*2,219.19*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,335.42	454.15
		For Class 52 Rating, Deduct	*-841.21*	
		For Class 54 Rating, Add	*1,155.36*	
		For Class 55 Rating, Add	*1,721.87*	
		For Class 56 Rating, Add	*2,280.73*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,548.30	457.32
		For Class 52 Rating, Deduct	*-864.09*	
		For Class 54 Rating, Add	*1,186.62*	
		For Class 55 Rating, Add	*1,768.38*	
		For Class 56 Rating, Add	*2,342.28*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,761.16	460.50
		For Class 52 Rating, Deduct	*-886.98*	
		For Class 54 Rating, Add	*1,217.89*	
		For Class 55 Rating, Add	*1,814.89*	
		For Class 56 Rating, Add	*2,403.83*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,974.03	463.67
		For Class 52 Rating, Deduct	*-909.86*	
		For Class 54 Rating, Add	*1,249.15*	
		For Class 55 Rating, Add	*1,861.40*	
		For Class 56 Rating, Add	*2,465.38*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,186.88	466.84
		For Class 52 Rating, Deduct	*-932.75*	
		For Class 54 Rating, Add	*1,280.42*	
		For Class 55 Rating, Add	*1,907.91*	
		For Class 56 Rating, Add	*2,526.93*	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,399.76	470.03
		For Class 52 Rating, Deduct	*-955.64*	
		For Class 54 Rating, Add	*1,311.69*	
		For Class 55 Rating, Add	*1,954.43*	
		For Class 56 Rating, Add	*2,588.48*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,612.62	473.20
		For Class 52 Rating, Deduct	*-978.52*	
		For Class 54 Rating, Add	*1,342.95*	
		For Class 55 Rating, Add	*2,000.94*	
		For Class 56 Rating, Add	*2,650.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,825.48	476.38
		For Class 52 Rating, Deduct	*-1,001.41*	
		For Class 54 Rating, Add	*1,374.22*	
		For Class 55 Rating, Add	*2,047.45*	
		For Class 56 Rating, Add	*2,711.58*	
40 05 19 00-2761		12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*		
40 05 19 00-2762	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,248.11	444.62
		For Class 52 Rating, Deduct	*-173.19*	
		For Class 54 Rating, Add	*244.25*	
		For Class 55 Rating, Add	*367.27*	
		For Class 56 Rating, Add	*488.71*	
40 05 19 00-2763	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,511.59	447.80
		For Class 52 Rating, Deduct	*-201.64*	
		For Class 54 Rating, Add	*283.11*	
		For Class 55 Rating, Add	*425.07*	
		For Class 56 Rating, Add	*565.19*	
40 05 19 00-2764	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,775.06	450.97
		For Class 52 Rating, Deduct	*-230.09*	
		For Class 54 Rating, Add	*321.96*	
		For Class 55 Rating, Add	*482.86*	
		For Class 56 Rating, Add	*641.67*	
40 05 19 00-2765	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,038.52	454.15
		For Class 52 Rating, Deduct	*-258.55*	
		For Class 54 Rating, Add	*360.82*	
		For Class 55 Rating, Add	*540.66*	
		For Class 56 Rating, Add	*718.15*	
40 05 19 00-2766	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,302.00	457.32
		For Class 52 Rating, Deduct	*-287.00*	
		For Class 54 Rating, Add	*399.68*	
		For Class 55 Rating, Add	*598.46*	
		For Class 56 Rating, Add	*794.63*	
40 05 19 00-2767	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,565.47	460.50
		For Class 52 Rating, Deduct	*-315.45*	
		For Class 54 Rating, Add	*438.54*	
		For Class 55 Rating, Add	*656.25*	
		For Class 56 Rating, Add	*871.10*	
40 05 19 00-2768	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,828.95	463.67
		For Class 52 Rating, Deduct	*-343.91*	
		For Class 54 Rating, Add	*477.39*	
		For Class 55 Rating, Add	*714.05*	
		For Class 56 Rating, Add	*947.58*	
40 05 19 00-2769	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,092.41	466.84
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*516.25*	
		For Class 55 Rating, Add	*771.85*	
		For Class 56 Rating, Add	*1,024.06*	
40 05 19 00-2770	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,355.89	470.03
		For Class 52 Rating, Deduct	*-400.81*	
		For Class 54 Rating, Add	*555.11*	
		For Class 55 Rating, Add	*829.64*	
		For Class 56 Rating, Add	*1,100.54*	
40 05 19 00-2771	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,619.36	473.20
		For Class 52 Rating, Deduct	*-429.26*	
		For Class 54 Rating, Add	*593.96*	
		For Class 55 Rating, Add	*887.44*	
		For Class 56 Rating, Add	*1,177.02*	
40 05 19 00-2772	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,882.83	476.38
		For Class 52 Rating, Deduct	*-457.72*	
		For Class 54 Rating, Add	*632.82*	
		For Class 55 Rating, Add	*945.24*	
		For Class 56 Rating, Add	*1,253.49*	
40 05 19 00-2773	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,146.30	479.55
		For Class 52 Rating, Deduct	*-486.17*	
		For Class 54 Rating, Add	*671.68*	
		For Class 55 Rating, Add	*1,003.03*	
		For Class 56 Rating, Add	*1,329.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2774	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,409.78	482.73
		For Class 52 Rating, Deduct	*-514.62*	
		For Class 54 Rating, Add	*710.53*	
		For Class 55 Rating, Add	*1,060.83*	
		For Class 56 Rating, Add	*1,406.45*	
40 05 19 00-2775	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,673.24	485.90
		For Class 52 Rating, Deduct	*-543.07*	
		For Class 54 Rating, Add	*749.39*	
		For Class 55 Rating, Add	*1,118.63*	
		For Class 56 Rating, Add	*1,482.93*	
40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,936.72	489.08
		For Class 52 Rating, Deduct	*-571.53*	
		For Class 54 Rating, Add	*788.25*	
		For Class 55 Rating, Add	*1,176.42*	
		For Class 56 Rating, Add	*1,559.41*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,200.19	492.25
		For Class 52 Rating, Deduct	*-599.98*	
		For Class 54 Rating, Add	*827.10*	
		For Class 55 Rating, Add	*1,234.22*	
		For Class 56 Rating, Add	*1,635.88*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,463.67	495.44
		For Class 52 Rating, Deduct	*-628.43*	
		For Class 54 Rating, Add	*865.96*	
		For Class 55 Rating, Add	*1,292.02*	
		For Class 56 Rating, Add	*1,712.36*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,727.13	498.61
		For Class 52 Rating, Deduct	*-656.88*	
		For Class 54 Rating, Add	*904.82*	
		For Class 55 Rating, Add	*1,349.81*	
		For Class 56 Rating, Add	*1,788.84*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,990.61	501.79
		For Class 52 Rating, Deduct	*-685.34*	
		For Class 54 Rating, Add	*943.67*	
		For Class 55 Rating, Add	*1,407.61*	
		For Class 56 Rating, Add	*1,865.32*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,254.08	504.96
		For Class 52 Rating, Deduct	*-713.79*	
		For Class 54 Rating, Add	*982.53*	
		For Class 55 Rating, Add	*1,465.41*	
		For Class 56 Rating, Add	*1,941.80*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,517.55	508.13
		For Class 52 Rating, Deduct	*-742.24*	
		For Class 54 Rating, Add	*1,021.39*	
		For Class 55 Rating, Add	*1,523.20*	
		For Class 56 Rating, Add	*2,018.27*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,781.02	511.31
		For Class 52 Rating, Deduct	*-770.69*	
		For Class 54 Rating, Add	*1,060.24*	
		For Class 55 Rating, Add	*1,581.00*	
		For Class 56 Rating, Add	*2,094.75*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,044.50	514.48
		For Class 52 Rating, Deduct	*-799.15*	
		For Class 54 Rating, Add	*1,099.10*	
		For Class 55 Rating, Add	*1,638.80*	
		For Class 56 Rating, Add	*2,171.23*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,307.96	517.66
		For Class 52 Rating, Deduct	*-827.60*	
		For Class 54 Rating, Add	*1,137.96*	
		For Class 55 Rating, Add	*1,696.59*	
		For Class 56 Rating, Add	*2,247.71*	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,571.44	520.84
		For Class 52 Rating, Deduct	*-856.05*	
		For Class 54 Rating, Add	*1,176.81*	
		For Class 55 Rating, Add	*1,754.39*	
		For Class 56 Rating, Add	*2,324.18*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,834.91	524.02
		For Class 52 Rating, Deduct	*-884.50*	
		For Class 54 Rating, Add	*1,215.67*	
		For Class 55 Rating, Add	*1,812.19*	
		For Class 56 Rating, Add	*2,400.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,098.38	527.19
		For Class 52 Rating, Deduct	*-912.96*	
		For Class 54 Rating, Add	*1,254.53*	
		For Class 55 Rating, Add	*1,869.98*	
		For Class 56 Rating, Add	*2,477.14*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,361.85	530.37
		For Class 52 Rating, Deduct	*-941.41*	
		For Class 54 Rating, Add	*1,293.38*	
		For Class 55 Rating, Add	*1,927.78*	
		For Class 56 Rating, Add	*2,553.62*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,625.33	533.54
		For Class 52 Rating, Deduct	*-969.86*	
		For Class 54 Rating, Add	*1,332.24*	
		For Class 55 Rating, Add	*1,985.58*	
		For Class 56 Rating, Add	*2,630.10*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,888.80	536.72
		For Class 52 Rating, Deduct	*-998.31*	
		For Class 54 Rating, Add	*1,371.10*	
		For Class 55 Rating, Add	*2,043.37*	
		For Class 56 Rating, Add	*2,706.57*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,152.27	539.89
		For Class 52 Rating, Deduct	*-1,026.77*	
		For Class 54 Rating, Add	*1,409.95*	
		For Class 55 Rating, Add	*2,101.17*	
		For Class 56 Rating, Add	*2,783.05*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,415.74	543.07
		For Class 52 Rating, Deduct	*-1,055.22*	
		For Class 54 Rating, Add	*1,448.81*	
		For Class 55 Rating, Add	*2,158.97*	
		For Class 56 Rating, Add	*2,859.53*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,679.22	546.25
		For Class 52 Rating, Deduct	*-1,083.67*	
		For Class 54 Rating, Add	*1,487.67*	
		For Class 55 Rating, Add	*2,216.76*	
		For Class 56 Rating, Add	*2,936.01*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,942.68	549.42
		For Class 52 Rating, Deduct	*-1,112.13*	
		For Class 54 Rating, Add	*1,526.52*	
		For Class 55 Rating, Add	*2,274.56*	
		For Class 56 Rating, Add	*3,012.49*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,206.16	552.60
		For Class 52 Rating, Deduct	*-1,140.58*	
		For Class 54 Rating, Add	*1,565.38*	
		For Class 55 Rating, Add	*2,332.36*	
		For Class 56 Rating, Add	*3,088.96*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,469.63	555.77
		For Class 52 Rating, Deduct	*-1,169.03*	
		For Class 54 Rating, Add	*1,604.24*	
		For Class 55 Rating, Add	*2,390.15*	
		For Class 56 Rating, Add	*3,165.44*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,733.10	558.95
		For Class 52 Rating, Deduct	*-1,197.48*	
		For Class 54 Rating, Add	*1,643.09*	
		For Class 55 Rating, Add	*2,447.95*	
		For Class 56 Rating, Add	*3,241.92*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,996.57	562.12
		For Class 52 Rating, Deduct	*-1,225.94*	
		For Class 54 Rating, Add	*1,681.95*	
		For Class 55 Rating, Add	*2,505.75*	
		For Class 56 Rating, Add	*3,318.40*	
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,260.05	565.30
		For Class 52 Rating, Deduct	*-1,254.39*	
		For Class 54 Rating, Add	*1,720.81*	
		For Class 55 Rating, Add	*2,563.54*	
		For Class 56 Rating, Add	*3,394.88*	

40 05 19 00-2801 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2802	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,130.72	533.54
		For Class 52 Rating, Deduct	*-255.46*	
		For Class 54 Rating, Add	*358.05*	
		For Class 55 Rating, Add	*537.28*	
		For Class 56 Rating, Add	*714.19*	
40 05 19 00-2803	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,450.42	536.72
		For Class 52 Rating, Deduct	*-290.09*	
		For Class 54 Rating, Add	*405.34*	
		For Class 55 Rating, Add	*607.61*	
		For Class 56 Rating, Add	*807.25*	
40 05 19 00-2804	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,770.12	539.89
		For Class 52 Rating, Deduct	*-324.73*	
		For Class 54 Rating, Add	*452.63*	
		For Class 55 Rating, Add	*677.95*	
		For Class 56 Rating, Add	*900.32*	
40 05 19 00-2805	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,089.82	543.07
		For Class 52 Rating, Deduct	*-359.37*	
		For Class 54 Rating, Add	*499.92*	
		For Class 55 Rating, Add	*748.29*	
		For Class 56 Rating, Add	*993.38*	
40 05 19 00-2806	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,409.53	546.25
		For Class 52 Rating, Deduct	*-394.01*	
		For Class 54 Rating, Add	*547.21*	
		For Class 55 Rating, Add	*818.62*	
		For Class 56 Rating, Add	*1,086.45*	
40 05 19 00-2807	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,729.22	549.42
		For Class 52 Rating, Deduct	*-428.64*	
		For Class 54 Rating, Add	*594.50*	
		For Class 55 Rating, Add	*888.96*	
		For Class 56 Rating, Add	*1,179.52*	
40 05 19 00-2808	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,048.93	552.60
		For Class 52 Rating, Deduct	*-463.28*	
		For Class 54 Rating, Add	*641.80*	
		For Class 55 Rating, Add	*959.29*	
		For Class 56 Rating, Add	*1,272.58*	
40 05 19 00-2809	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,368.63	555.77
		For Class 52 Rating, Deduct	*-497.92*	
		For Class 54 Rating, Add	*689.09*	
		For Class 55 Rating, Add	*1,029.63*	
		For Class 56 Rating, Add	*1,365.65*	
40 05 19 00-2810	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,688.33	558.95
		For Class 52 Rating, Deduct	*-532.56*	
		For Class 54 Rating, Add	*736.38*	
		For Class 55 Rating, Add	*1,099.97*	
		For Class 56 Rating, Add	*1,458.71*	
40 05 19 00-2811	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,008.03	562.12
		For Class 52 Rating, Deduct	*-567.20*	
		For Class 54 Rating, Add	*783.67*	
		For Class 55 Rating, Add	*1,170.30*	
		For Class 56 Rating, Add	*1,551.78*	
40 05 19 00-2812	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,327.74	565.30
		For Class 52 Rating, Deduct	*-601.83*	
		For Class 54 Rating, Add	*830.96*	
		For Class 55 Rating, Add	*1,240.64*	
		For Class 56 Rating, Add	*1,644.84*	
40 05 19 00-2813	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,647.44	568.47
		For Class 52 Rating, Deduct	*-636.47*	
		For Class 54 Rating, Add	*878.25*	
		For Class 55 Rating, Add	*1,310.97*	
		For Class 56 Rating, Add	*1,737.91*	
40 05 19 00-2814	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,967.14	571.66
		For Class 52 Rating, Deduct	*-671.11*	
		For Class 54 Rating, Add	*925.54*	
		For Class 55 Rating, Add	*1,381.31*	
		For Class 56 Rating, Add	*1,830.98*	
40 05 19 00-2815	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,286.84	574.83
		For Class 52 Rating, Deduct	*-705.75*	
		For Class 54 Rating, Add	*972.83*	
		For Class 55 Rating, Add	*1,451.65*	
		For Class 56 Rating, Add	*1,924.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,606.55	578.01
		For Class 52 Rating, Deduct	*-740.39*	
		For Class 54 Rating, Add	*1,020.13*	
		For Class 55 Rating, Add	*1,521.98*	
		For Class 56 Rating, Add	*2,017.11*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,926.24	581.18
		For Class 52 Rating, Deduct	*-775.02*	
		For Class 54 Rating, Add	*1,067.42*	
		For Class 55 Rating, Add	*1,592.32*	
		For Class 56 Rating, Add	*2,110.17*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,245.95	584.35
		For Class 52 Rating, Deduct	*-809.66*	
		For Class 54 Rating, Add	*1,114.71*	
		For Class 55 Rating, Add	*1,662.65*	
		For Class 56 Rating, Add	*2,208.24*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,565.65	587.53
		For Class 52 Rating, Deduct	*-844.30*	
		For Class 54 Rating, Add	*1,162.00*	
		For Class 55 Rating, Add	*1,732.99*	
		For Class 56 Rating, Add	*2,296.30*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,885.35	590.70
		For Class 52 Rating, Deduct	*-878.94*	
		For Class 54 Rating, Add	*1,209.29*	
		For Class 55 Rating, Add	*1,803.33*	
		For Class 56 Rating, Add	*2,389.37*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,205.05	593.88
		For Class 52 Rating, Deduct	*-913.58*	
		For Class 54 Rating, Add	*1,256.58*	
		For Class 55 Rating, Add	*1,873.66*	
		For Class 56 Rating, Add	*2,482.44*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,524.76	597.06
		For Class 52 Rating, Deduct	*-948.21*	
		For Class 54 Rating, Add	*1,303.87*	
		For Class 55 Rating, Add	*1,944.00*	
		For Class 56 Rating, Add	*2,575.50*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,844.45	600.24
		For Class 52 Rating, Deduct	*-982.85*	
		For Class 54 Rating, Add	*1,351.16*	
		For Class 55 Rating, Add	*2,014.33*	
		For Class 56 Rating, Add	*2,668.57*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,164.16	603.41
		For Class 52 Rating, Deduct	*-1,017.49*	
		For Class 54 Rating, Add	*1,398.46*	
		For Class 55 Rating, Add	*2,084.67*	
		For Class 56 Rating, Add	*2,761.63*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,483.86	606.59
		For Class 52 Rating, Deduct	*-1,052.13*	
		For Class 54 Rating, Add	*1,445.75*	
		For Class 55 Rating, Add	*2,155.01*	
		For Class 56 Rating, Add	*2,854.70*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,803.57	609.76
		For Class 52 Rating, Deduct	*-1,086.76*	
		For Class 54 Rating, Add	*1,493.04*	
		For Class 55 Rating, Add	*2,225.34*	
		For Class 56 Rating, Add	*2,947.77*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,123.26	612.94
		For Class 52 Rating, Deduct	*-1,121.40*	
		For Class 54 Rating, Add	*1,540.33*	
		For Class 55 Rating, Add	*2,295.68*	
		For Class 56 Rating, Add	*3,040.83*	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,442.97	616.11
		For Class 52 Rating, Deduct	*-1,156.04*	
		For Class 54 Rating, Add	*1,587.62*	
		For Class 55 Rating, Add	*2,366.01*	
		For Class 56 Rating, Add	*3,133.90*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,762.67	619.29
		For Class 52 Rating, Deduct	*-1,190.68*	
		For Class 54 Rating, Add	*1,634.91*	
		For Class 55 Rating, Add	*2,436.35*	
		For Class 56 Rating, Add	*3,226.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,082.37	622.47
		For Class 52 Rating, Deduct	*-1,225.32*	
		For Class 54 Rating, Add	*1,682.20*	
		For Class 55 Rating, Add	*2,506.69*	
		For Class 56 Rating, Add	*3,320.03*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,402.07	625.64
		For Class 52 Rating, Deduct	*-1,259.95*	
		For Class 54 Rating, Add	*1,729.49*	
		For Class 55 Rating, Add	*2,577.02*	
		For Class 56 Rating, Add	*3,413.09*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,721.78	628.82
		For Class 52 Rating, Deduct	*-1,294.59*	
		For Class 54 Rating, Add	*1,776.79*	
		For Class 55 Rating, Add	*2,647.36*	
		For Class 56 Rating, Add	*3,506.16*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,041.47	631.99
		For Class 52 Rating, Deduct	*-1,329.23*	
		For Class 54 Rating, Add	*1,824.08*	
		For Class 55 Rating, Add	*2,717.69*	
		For Class 56 Rating, Add	*3,599.23*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,361.18	635.17
		For Class 52 Rating, Deduct	*-1,363.87*	
		For Class 54 Rating, Add	*1,871.37*	
		For Class 55 Rating, Add	*2,788.03*	
		For Class 56 Rating, Add	*3,692.29*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,680.88	638.34
		For Class 52 Rating, Deduct	*-1,398.51*	
		For Class 54 Rating, Add	*1,918.66*	
		For Class 55 Rating, Add	*2,858.37*	
		For Class 56 Rating, Add	*3,785.36*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,000.59	641.52
		For Class 52 Rating, Deduct	*-1,433.14*	
		For Class 54 Rating, Add	*1,965.95*	
		For Class 55 Rating, Add	*2,928.70*	
		For Class 56 Rating, Add	*3,878.42*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,320.28	644.69
		For Class 52 Rating, Deduct	*-1,467.78*	
		For Class 54 Rating, Add	*2,013.24*	
		For Class 55 Rating, Add	*2,999.04*	
		For Class 56 Rating, Add	*3,971.49*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,639.99	647.88
		For Class 52 Rating, Deduct	*-1,502.42*	
		For Class 54 Rating, Add	*2,060.53*	
		For Class 55 Rating, Add	*3,069.37*	
		For Class 56 Rating, Add	*4,064.55*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,959.69	651.05
		For Class 52 Rating, Deduct	*-1,537.06*	
		For Class 54 Rating, Add	*2,107.82*	
		For Class 55 Rating, Add	*3,139.71*	
		For Class 56 Rating, Add	*4,157.62*	

40 05 19 00-2840 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2841	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,665.12	609.76
		For Class 52 Rating, Deduct	*-301.54*	
		For Class 54 Rating, Add	*422.27*	
		For Class 55 Rating, Add	*633.47*	
		For Class 56 Rating, Add	*841.92*	
40 05 19 00-2842	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,035.42	612.94
		For Class 52 Rating, Deduct	*-341.74*	
		For Class 54 Rating, Add	*477.15*	
		For Class 55 Rating, Add	*715.09*	
		For Class 56 Rating, Add	*949.92*	
40 05 19 00-2843	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,405.74	616.11
		For Class 52 Rating, Deduct	*-381.95*	
		For Class 54 Rating, Add	*532.04*	
		For Class 55 Rating, Add	*796.71*	
		For Class 56 Rating, Add	*1,057.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2844	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,776.04	619.29
		For Class 52 Rating, Deduct	*-422.15*	
		For Class 54 Rating, Add	*586.92*	
		For Class 55 Rating, Add	*878.33*	
		For Class 56 Rating, Add	*1,165.91*	
40 05 19 00-2845	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,146.35	622.47
		For Class 52 Rating, Deduct	*-462.35*	
		For Class 54 Rating, Add	*641.80*	
		For Class 55 Rating, Add	*959.95*	
		For Class 56 Rating, Add	*1,273.90*	
40 05 19 00-2846	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,516.66	625.64
		For Class 52 Rating, Deduct	*-502.56*	
		For Class 54 Rating, Add	*696.68*	
		For Class 55 Rating, Add	*1,041.58*	
		For Class 56 Rating, Add	*1,381.90*	
40 05 19 00-2847	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,886.98	628.82
		For Class 52 Rating, Deduct	*-542.76*	
		For Class 54 Rating, Add	*751.57*	
		For Class 55 Rating, Add	*1,123.20*	
		For Class 56 Rating, Add	*1,489.89*	
40 05 19 00-2848	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,257.28	631.99
		For Class 52 Rating, Deduct	*-582.97*	
		For Class 54 Rating, Add	*806.45*	
		For Class 55 Rating, Add	*1,204.82*	
		For Class 56 Rating, Add	*1,597.89*	
40 05 19 00-2849	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,627.59	635.17
		For Class 52 Rating, Deduct	*-623.17*	
		For Class 54 Rating, Add	*861.33*	
		For Class 55 Rating, Add	*1,286.44*	
		For Class 56 Rating, Add	*1,705.88*	
40 05 19 00-2850	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,997.90	638.34
		For Class 52 Rating, Deduct	*-663.38*	
		For Class 54 Rating, Add	*916.21*	
		For Class 55 Rating, Add	*1,368.06*	
		For Class 56 Rating, Add	*1,813.88*	
40 05 19 00-2851	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,368.22	641.52
		For Class 52 Rating, Deduct	*-703.58*	
		For Class 54 Rating, Add	*971.10*	
		For Class 55 Rating, Add	*1,449.68*	
		For Class 56 Rating, Add	*1,921.87*	
40 05 19 00-2852	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,738.52	644.69
		For Class 52 Rating, Deduct	*-743.79*	
		For Class 54 Rating, Add	*1,025.98*	
		For Class 55 Rating, Add	*1,531.30*	
		For Class 56 Rating, Add	*2,029.87*	
40 05 19 00-2853	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,108.83	647.88
		For Class 52 Rating, Deduct	*-783.99*	
		For Class 54 Rating, Add	*1,080.86*	
		For Class 55 Rating, Add	*1,612.92*	
		For Class 56 Rating, Add	*2,137.86*	
40 05 19 00-2854	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,479.14	651.05
		For Class 52 Rating, Deduct	*-824.20*	
		For Class 54 Rating, Add	*1,135.74*	
		For Class 55 Rating, Add	*1,694.55*	
		For Class 56 Rating, Add	*2,245.86*	
40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,849.45	654.23
		For Class 52 Rating, Deduct	*-864.40*	
		For Class 54 Rating, Add	*1,190.63*	
		For Class 55 Rating, Add	*1,776.17*	
		For Class 56 Rating, Add	*2,353.85*	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,219.76	657.40
		For Class 52 Rating, Deduct	*-904.61*	
		For Class 54 Rating, Add	*1,245.51*	
		For Class 55 Rating, Add	*1,857.79*	
		For Class 56 Rating, Add	*2,461.85*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,590.07	660.58
		For Class 52 Rating, Deduct	*-944.81*	
		For Class 54 Rating, Add	*1,300.39*	
		For Class 55 Rating, Add	*1,939.41*	
		For Class 56 Rating, Add	*2,569.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,960.37	663.75
		For Class 52 Rating, Deduct	*-985.02*	
		For Class 54 Rating, Add	*1,355.27*	
		For Class 55 Rating, Add	*2,021.03*	
		For Class 56 Rating, Add	*2,677.84*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,330.69	666.92
		For Class 52 Rating, Deduct	*-1,025.22*	
		For Class 54 Rating, Add	*1,410.15*	
		For Class 55 Rating, Add	*2,102.65*	
		For Class 56 Rating, Add	*2,785.83*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,701.00	670.10
		For Class 52 Rating, Deduct	*-1,065.43*	
		For Class 54 Rating, Add	*1,465.04*	
		For Class 55 Rating, Add	*2,184.28*	
		For Class 56 Rating, Add	*2,893.83*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,071.29	673.28
		For Class 52 Rating, Deduct	*-1,105.63*	
		For Class 54 Rating, Add	*1,519.92*	
		For Class 55 Rating, Add	*2,265.90*	
		For Class 56 Rating, Add	*3,001.82*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,441.61	676.46
		For Class 52 Rating, Deduct	*-1,145.83*	
		For Class 54 Rating, Add	*1,574.80*	
		For Class 55 Rating, Add	*2,347.52*	
		For Class 56 Rating, Add	*3,109.82*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,811.92	679.63
		For Class 52 Rating, Deduct	*-1,186.04*	
		For Class 54 Rating, Add	*1,629.68*	
		For Class 55 Rating, Add	*2,429.14*	
		For Class 56 Rating, Add	*3,217.81*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,182.24	682.81
		For Class 52 Rating, Deduct	*-1,226.24*	
		For Class 54 Rating, Add	*1,684.57*	
		For Class 55 Rating, Add	*2,510.76*	
		For Class 56 Rating, Add	*3,325.81*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,552.53	685.98
		For Class 52 Rating, Deduct	*-1,266.45*	
		For Class 54 Rating, Add	*1,739.45*	
		For Class 55 Rating, Add	*2,592.38*	
		For Class 56 Rating, Add	*3,433.80*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,922.85	689.16
		For Class 52 Rating, Deduct	*-1,306.65*	
		For Class 54 Rating, Add	*1,794.33*	
		For Class 55 Rating, Add	*2,674.00*	
		For Class 56 Rating, Add	*3,541.80*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,293.16	692.33
		For Class 52 Rating, Deduct	*-1,346.86*	
		For Class 54 Rating, Add	*1,849.21*	
		For Class 55 Rating, Add	*2,755.63*	
		For Class 56 Rating, Add	*3,649.79*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,663.47	695.51
		For Class 52 Rating, Deduct	*-1,387.06*	
		For Class 54 Rating, Add	*1,904.10*	
		For Class 55 Rating, Add	*2,837.25*	
		For Class 56 Rating, Add	*3,757.79*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,033.77	698.69
		For Class 52 Rating, Deduct	*-1,427.27*	
		For Class 54 Rating, Add	*1,958.98*	
		For Class 55 Rating, Add	*2,918.87*	
		For Class 56 Rating, Add	*3,865.78*	
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,404.09	701.86
		For Class 52 Rating, Deduct	*-1,467.47*	
		For Class 54 Rating, Add	*2,013.86*	
		For Class 55 Rating, Add	*3,000.49*	
		For Class 56 Rating, Add	*3,973.78*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,774.39	705.04
		For Class 52 Rating, Deduct	*-1,507.68*	
		For Class 54 Rating, Add	*2,068.74*	
		For Class 55 Rating, Add	*3,082.11*	
		For Class 56 Rating, Add	*4,081.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,144.71	708.21
		For Class 52 Rating, Deduct	*-1,547.88*	
		For Class 54 Rating, Add	*2,123.63*	
		For Class 55 Rating, Add	*3,163.73*	
		For Class 56 Rating, Add	*4,189.77*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,515.02	711.39
		For Class 52 Rating, Deduct	*-1,588.09*	
		For Class 54 Rating, Add	*2,178.51*	
		For Class 55 Rating, Add	*3,245.36*	
		For Class 56 Rating, Add	*4,297.77*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,885.33	714.56
		For Class 52 Rating, Deduct	*-1,628.29*	
		For Class 54 Rating, Add	*2,233.39*	
		For Class 55 Rating, Add	*3,326.98*	
		For Class 56 Rating, Add	*4,405.76*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,255.63	717.74
		For Class 52 Rating, Deduct	*-1,668.50*	
		For Class 54 Rating, Add	*2,288.27*	
		For Class 55 Rating, Add	*3,408.60*	
		For Class 56 Rating, Add	*4,513.75*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,625.95	720.91
		For Class 52 Rating, Deduct	*-1,708.70*	
		For Class 54 Rating, Add	*2,343.16*	
		For Class 55 Rating, Add	*3,490.22*	
		For Class 56 Rating, Add	*4,621.75*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,996.26	724.10
		For Class 52 Rating, Deduct	*-1,748.91*	
		For Class 54 Rating, Add	*2,398.04*	
		For Class 55 Rating, Add	*3,571.84*	
		For Class 56 Rating, Add	*4,729.75*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,366.56	727.27
		For Class 52 Rating, Deduct	*-1,789.11*	
		For Class 54 Rating, Add	*2,452.92*	
		For Class 55 Rating, Add	*3,653.46*	
		For Class 56 Rating, Add	*4,837.74*	

40 05 19 00-2879 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2880	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,288.61	687.26
		For Class 52 Rating, Deduct	*-357.20*	
		For Class 54 Rating, Add	*499.59*	
		For Class 55 Rating, Add	*749.14*	
		For Class 56 Rating, Add	*995.44*	
40 05 19 00-2881	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,715.13	690.43
		For Class 52 Rating, Deduct	*-403.59*	
		For Class 54 Rating, Add	*562.91*	
		For Class 55 Rating, Add	*843.30*	
		For Class 56 Rating, Add	*1,120.02*	
40 05 19 00-2882	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,141.68	693.61
		For Class 52 Rating, Deduct	*-449.98*	
		For Class 54 Rating, Add	*626.23*	
		For Class 55 Rating, Add	*937.46*	
		For Class 56 Rating, Add	*1,244.61*	
40 05 19 00-2883	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,568.22	696.79
		For Class 52 Rating, Deduct	*-496.37*	
		For Class 54 Rating, Add	*689.54*	
		For Class 55 Rating, Add	*1,031.62*	
		For Class 56 Rating, Add	*1,369.19*	
40 05 19 00-2884	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,994.76	699.96
		For Class 52 Rating, Deduct	*-542.76*	
		For Class 54 Rating, Add	*752.86*	
		For Class 55 Rating, Add	*1,125.78*	
		For Class 56 Rating, Add	*1,493.77*	
40 05 19 00-2885	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,421.30	703.14
		For Class 52 Rating, Deduct	*-589.15*	
		For Class 54 Rating, Add	*816.18*	
		For Class 55 Rating, Add	*1,219.95*	
		For Class 56 Rating, Add	*1,618.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2886	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,847.84	706.31
		For Class 52 Rating, Deduct	*-635.54*	
		For Class 54 Rating, Add	*879.49*	
		For Class 55 Rating, Add	*1,314.10*	
		For Class 56 Rating, Add	*1,742.94*	
40 05 19 00-2887	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,274.37	709.49
		For Class 52 Rating, Deduct	*-681.93*	
		For Class 54 Rating, Add	*942.81*	
		For Class 55 Rating, Add	*1,408.27*	
		For Class 56 Rating, Add	*1,867.52*	
40 05 19 00-2888	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,700.92	712.66
		For Class 52 Rating, Deduct	*-728.32*	
		For Class 54 Rating, Add	*1,006.13*	
		For Class 55 Rating, Add	*1,502.43*	
		For Class 56 Rating, Add	*1,992.11*	
40 05 19 00-2889	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,127.46	715.84
		For Class 52 Rating, Deduct	*-774.71*	
		For Class 54 Rating, Add	*1,069.44*	
		For Class 55 Rating, Add	*1,596.59*	
		For Class 56 Rating, Add	*2,116.69*	
40 05 19 00-2890	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,554.01	719.01
		For Class 52 Rating, Deduct	*-821.10*	
		For Class 54 Rating, Add	*1,132.76*	
		For Class 55 Rating, Add	*1,690.75*	
		For Class 56 Rating, Add	*2,241.27*	
40 05 19 00-2891	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,980.53	722.20
		For Class 52 Rating, Deduct	*-867.49*	
		For Class 54 Rating, Add	*1,196.08*	
		For Class 55 Rating, Add	*1,784.91*	
		For Class 56 Rating, Add	*2,365.85*	
40 05 19 00-2892	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,407.08	725.37
		For Class 52 Rating, Deduct	*-913.88*	
		For Class 54 Rating, Add	*1,259.39*	
		For Class 55 Rating, Add	*1,879.07*	
		For Class 56 Rating, Add	*2,490.44*	
40 05 19 00-2893	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,833.62	728.55
		For Class 52 Rating, Deduct	*-960.27*	
		For Class 54 Rating, Add	*1,322.71*	
		For Class 55 Rating, Add	*1,973.23*	
		For Class 56 Rating, Add	*2,615.02*	
40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,260.16	731.72
		For Class 52 Rating, Deduct	*-1,006.67*	
		For Class 54 Rating, Add	*1,386.03*	
		For Class 55 Rating, Add	*2,067.39*	
		For Class 56 Rating, Add	*2,739.60*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,686.70	734.89
		For Class 52 Rating, Deduct	*-1,053.06*	
		For Class 54 Rating, Add	*1,449.35*	
		For Class 55 Rating, Add	*2,161.55*	
		For Class 56 Rating, Add	*2,864.19*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,113.24	738.07
		For Class 52 Rating, Deduct	*-1,099.44*	
		For Class 54 Rating, Add	*1,512.66*	
		For Class 55 Rating, Add	*2,255.71*	
		For Class 56 Rating, Add	*2,988.77*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,539.77	741.24
		For Class 52 Rating, Deduct	*-1,145.83*	
		For Class 54 Rating, Add	*1,575.98*	
		For Class 55 Rating, Add	*2,349.87*	
		For Class 56 Rating, Add	*3,113.35*	
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,966.32	744.42
		For Class 52 Rating, Deduct	*-1,192.23*	
		For Class 54 Rating, Add	*1,639.30*	
		For Class 55 Rating, Add	*2,444.04*	
		For Class 56 Rating, Add	*3,237.94*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,392.86	747.60
		For Class 52 Rating, Deduct	*-1,238.62*	
		For Class 54 Rating, Add	*1,702.61*	
		For Class 55 Rating, Add	*2,538.20*	
		For Class 56 Rating, Add	*3,362.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,819.40	750.78
		For Class 52 Rating, Deduct	*-1,285.01*	
		For Class 54 Rating, Add	*1,765.93*	
		For Class 55 Rating, Add	*2,632.36*	
		For Class 56 Rating, Add	*3,487.10*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,245.93	753.95
		For Class 52 Rating, Deduct	*-1,331.39*	
		For Class 54 Rating, Add	*1,829.25*	
		For Class 55 Rating, Add	*2,726.52*	
		For Class 56 Rating, Add	*3,611.68*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,672.48	757.13
		For Class 52 Rating, Deduct	*-1,377.79*	
		For Class 54 Rating, Add	*1,892.56*	
		For Class 55 Rating, Add	*2,820.68*	
		For Class 56 Rating, Add	*3,736.27*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,099.02	760.30
		For Class 52 Rating, Deduct	*-1,424.18*	
		For Class 54 Rating, Add	*1,955.88*	
		For Class 55 Rating, Add	*2,914.84*	
		For Class 56 Rating, Add	*3,860.85*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,525.55	763.48
		For Class 52 Rating, Deduct	*-1,470.57*	
		For Class 54 Rating, Add	*2,019.20*	
		For Class 55 Rating, Add	*3,009.00*	
		For Class 56 Rating, Add	*3,985.43*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,952.10	766.65
		For Class 52 Rating, Deduct	*-1,516.96*	
		For Class 54 Rating, Add	*2,082.52*	
		For Class 55 Rating, Add	*3,103.16*	
		For Class 56 Rating, Add	*4,110.02*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,378.63	769.83
		For Class 52 Rating, Deduct	*-1,563.35*	
		For Class 54 Rating, Add	*2,145.83*	
		For Class 55 Rating, Add	*3,197.32*	
		For Class 56 Rating, Add	*4,234.60*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,805.17	773.01
		For Class 52 Rating, Deduct	*-1,609.74*	
		For Class 54 Rating, Add	*2,209.15*	
		For Class 55 Rating, Add	*3,291.48*	
		For Class 56 Rating, Add	*4,359.18*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,231.71	776.18
		For Class 52 Rating, Deduct	*-1,656.13*	
		For Class 54 Rating, Add	*2,272.47*	
		For Class 55 Rating, Add	*3,385.64*	
		For Class 56 Rating, Add	*4,483.77*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,658.26	779.36
		For Class 52 Rating, Deduct	*-1,702.52*	
		For Class 54 Rating, Add	*2,335.78*	
		For Class 55 Rating, Add	*3,479.80*	
		For Class 56 Rating, Add	*4,608.35*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,084.79	782.53
		For Class 52 Rating, Deduct	*-1,748.91*	
		For Class 54 Rating, Add	*2,399.10*	
		For Class 55 Rating, Add	*3,573.97*	
		For Class 56 Rating, Add	*4,732.93*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,511.33	785.71
		For Class 52 Rating, Deduct	*-1,795.30*	
		For Class 54 Rating, Add	*2,462.42*	
		For Class 55 Rating, Add	*3,668.13*	
		For Class 56 Rating, Add	*4,857.51*	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,937.87	788.88
		For Class 52 Rating, Deduct	*-1,841.69*	
		For Class 54 Rating, Add	*2,525.73*	
		For Class 55 Rating, Add	*3,762.29*	
		For Class 56 Rating, Add	*4,982.10*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,364.42	792.06
		For Class 52 Rating, Deduct	*-1,888.08*	
		For Class 54 Rating, Add	*2,589.05*	
		For Class 55 Rating, Add	*3,856.45*	
		For Class 56 Rating, Add	*5,106.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,790.95	795.23
		For Class 52 Rating, Deduct	*-1,934.47*	
		For Class 54 Rating, Add	*2,652.37*	
		For Class 55 Rating, Add	*3,950.61*	
		For Class 56 Rating, Add	*5,231.26*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,217.50	798.42
		For Class 52 Rating, Deduct	*-1,980.86*	
		For Class 54 Rating, Add	*2,715.69*	
		For Class 55 Rating, Add	*4,044.77*	
		For Class 56 Rating, Add	*5,355.85*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,644.03	801.59
		For Class 52 Rating, Deduct	*-2,027.25*	
		For Class 54 Rating, Add	*2,779.00*	
		For Class 55 Rating, Add	*4,138.93*	
		For Class 56 Rating, Add	*5,480.43*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,070.57	804.77
		For Class 52 Rating, Deduct	*-2,073.64*	
		For Class 54 Rating, Add	*2,842.32*	
		For Class 55 Rating, Add	*4,233.09*	
		For Class 56 Rating, Add	*5,605.01*	

40 05 19 00-2918 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2919	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,970.03	784.43
		For Class 52 Rating, Deduct	*-415.96*	
		For Class 54 Rating, Add	*581.49*	
		For Class 55 Rating, Add	*871.80*	
		For Class 56 Rating, Add	*1,158.33*	
40 05 19 00-2920	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,455.61	787.61
		For Class 52 Rating, Deduct	*-468.85*	
		For Class 54 Rating, Add	*653.66*	
		For Class 55 Rating, Add	*979.12*	
		For Class 56 Rating, Add	*1,300.33*	
40 05 19 00-2921	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,941.19	790.78
		For Class 52 Rating, Deduct	*-521.73*	
		For Class 54 Rating, Add	*725.83*	
		For Class 55 Rating, Add	*1,086.45*	
		For Class 56 Rating, Add	*1,442.33*	
40 05 19 00-2922	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,426.77	793.96
		For Class 52 Rating, Deduct	*-574.62*	
		For Class 54 Rating, Add	*798.01*	
		For Class 55 Rating, Add	*1,193.78*	
		For Class 56 Rating, Add	*1,584.33*	
40 05 19 00-2923	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,912.36	797.13
		For Class 52 Rating, Deduct	*-627.50*	
		For Class 54 Rating, Add	*870.18*	
		For Class 55 Rating, Add	*1,301.11*	
		For Class 56 Rating, Add	*1,726.33*	
40 05 19 00-2924	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,397.93	800.32
		For Class 52 Rating, Deduct	*-680.39*	
		For Class 54 Rating, Add	*942.35*	
		For Class 55 Rating, Add	*1,408.43*	
		For Class 56 Rating, Add	*1,868.33*	
40 05 19 00-2925	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,883.52	803.49
		For Class 52 Rating, Deduct	*-733.27*	
		For Class 54 Rating, Add	*1,014.53*	
		For Class 55 Rating, Add	*1,515.76*	
		For Class 56 Rating, Add	*2,010.33*	
40 05 19 00-2926	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,369.10	806.67
		For Class 52 Rating, Deduct	*-786.16*	
		For Class 54 Rating, Add	*1,086.70*	
		For Class 55 Rating, Add	*1,623.09*	
		For Class 56 Rating, Add	*2,152.33*	
40 05 19 00-2927	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,854.68	809.84
		For Class 52 Rating, Deduct	*-839.04*	
		For Class 54 Rating, Add	*1,158.87*	
		For Class 55 Rating, Add	*1,730.41*	
		For Class 56 Rating, Add	*2,294.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2928	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,340.26	813.02
		For Class 52 Rating, Deduct	*-891.93*	
		For Class 54 Rating, Add	*1,231.05*	
		For Class 55 Rating, Add	*1,837.74*	
		For Class 56 Rating, Add	*2,436.33*	
40 05 19 00-2929	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,825.85	816.19
		For Class 52 Rating, Deduct	*-944.81*	
		For Class 54 Rating, Add	*1,303.22*	
		For Class 55 Rating, Add	*1,945.07*	
		For Class 56 Rating, Add	*2,578.33*	
40 05 19 00-2930	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,311.42	819.36
		For Class 52 Rating, Deduct	*-997.70*	
		For Class 54 Rating, Add	*1,375.39*	
		For Class 55 Rating, Add	*2,052.40*	
		For Class 56 Rating, Add	*2,720.33*	
40 05 19 00-2931	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,797.01	822.54
		For Class 52 Rating, Deduct	*-1,050.58*	
		For Class 54 Rating, Add	*1,447.56*	
		For Class 55 Rating, Add	*2,159.72*	
		For Class 56 Rating, Add	*2,862.33*	
40 05 19 00-2932	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,282.59	825.72
		For Class 52 Rating, Deduct	*-1,103.47*	
		For Class 54 Rating, Add	*1,519.74*	
		For Class 55 Rating, Add	*2,267.05*	
		For Class 56 Rating, Add	*3,004.33*	
40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,768.18	828.90
		For Class 52 Rating, Deduct	*-1,156.35*	
		For Class 54 Rating, Add	*1,591.91*	
		For Class 55 Rating, Add	*2,374.38*	
		For Class 56 Rating, Add	*3,146.33*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,253.75	832.07
		For Class 52 Rating, Deduct	*-1,209.23*	
		For Class 54 Rating, Add	*1,664.08*	
		For Class 55 Rating, Add	*2,481.70*	
		For Class 56 Rating, Add	*3,288.33*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,739.34	835.25
		For Class 52 Rating, Deduct	*-1,262.12*	
		For Class 54 Rating, Add	*1,736.26*	
		For Class 55 Rating, Add	*2,589.03*	
		For Class 56 Rating, Add	*3,430.33*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,224.92	838.42
		For Class 52 Rating, Deduct	*-1,315.00*	
		For Class 54 Rating, Add	*1,808.43*	
		For Class 55 Rating, Add	*2,696.36*	
		For Class 56 Rating, Add	*3,572.33*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,710.50	841.60
		For Class 52 Rating, Deduct	*-1,367.89*	
		For Class 54 Rating, Add	*1,880.60*	
		For Class 55 Rating, Add	*2,803.69*	
		For Class 56 Rating, Add	*3,714.33*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,196.08	844.77
		For Class 52 Rating, Deduct	*-1,420.77*	
		For Class 54 Rating, Add	*1,952.78*	
		For Class 55 Rating, Add	*2,911.01*	
		For Class 56 Rating, Add	*3,856.33*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,681.67	847.95
		For Class 52 Rating, Deduct	*-1,473.66*	
		For Class 54 Rating, Add	*2,024.95*	
		For Class 55 Rating, Add	*3,018.34*	
		For Class 56 Rating, Add	*3,998.33*	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,167.24	851.13
		For Class 52 Rating, Deduct	*-1,526.54*	
		For Class 54 Rating, Add	*2,097.12*	
		For Class 55 Rating, Add	*3,125.67*	
		For Class 56 Rating, Add	*4,140.33*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,652.83	854.31
		For Class 52 Rating, Deduct	*-1,579.43*	
		For Class 54 Rating, Add	*2,169.30*	
		For Class 55 Rating, Add	*3,233.00*	
		For Class 56 Rating, Add	*4,282.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,138.41	857.48
		For Class 52 Rating, Deduct	*-1,632.31*	
		For Class 54 Rating, Add	*2,241.47*	
		For Class 55 Rating, Add	*3,340.32*	
		For Class 56 Rating, Add	*4,424.34*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,624.00	860.65
		For Class 52 Rating, Deduct	*-1,685.20*	
		For Class 54 Rating, Add	*2,313.64*	
		For Class 55 Rating, Add	*3,447.65*	
		For Class 56 Rating, Add	*4,566.34*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,109.57	863.83
		For Class 52 Rating, Deduct	*-1,738.08*	
		For Class 54 Rating, Add	*2,385.82*	
		For Class 55 Rating, Add	*3,554.98*	
		For Class 56 Rating, Add	*4,708.34*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,595.16	867.00
		For Class 52 Rating, Deduct	*-1,790.97*	
		For Class 54 Rating, Add	*2,457.99*	
		For Class 55 Rating, Add	*3,662.30*	
		For Class 56 Rating, Add	*4,850.34*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,080.74	870.18
		For Class 52 Rating, Deduct	*-1,843.85*	
		For Class 54 Rating, Add	*2,530.16*	
		For Class 55 Rating, Add	*3,769.63*	
		For Class 56 Rating, Add	*4,992.34*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,566.32	873.35
		For Class 52 Rating, Deduct	*-1,896.74*	
		For Class 54 Rating, Add	*2,602.34*	
		For Class 55 Rating, Add	*3,876.96*	
		For Class 56 Rating, Add	*5,134.34*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,051.90	876.54
		For Class 52 Rating, Deduct	*-1,949.62*	
		For Class 54 Rating, Add	*2,674.51*	
		For Class 55 Rating, Add	*3,984.29*	
		For Class 56 Rating, Add	*5,276.34*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,537.49	879.71
		For Class 52 Rating, Deduct	*-2,002.50*	
		For Class 54 Rating, Add	*2,746.68*	
		For Class 55 Rating, Add	*4,091.61*	
		For Class 56 Rating, Add	*5,418.34*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,023.06	882.89
		For Class 52 Rating, Deduct	*-2,055.39*	
		For Class 54 Rating, Add	*2,818.86*	
		For Class 55 Rating, Add	*4,198.94*	
		For Class 56 Rating, Add	*5,560.34*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,508.65	886.06
		For Class 52 Rating, Deduct	*-2,108.27*	
		For Class 54 Rating, Add	*2,891.03*	
		For Class 55 Rating, Add	*4,306.27*	
		For Class 56 Rating, Add	*5,702.34*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,994.23	889.24
		For Class 52 Rating, Deduct	*-2,161.16*	
		For Class 54 Rating, Add	*2,963.20*	
		For Class 55 Rating, Add	*4,413.59*	
		For Class 56 Rating, Add	*5,844.34*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,479.80	892.41
		For Class 52 Rating, Deduct	*-2,214.04*	
		For Class 54 Rating, Add	*3,035.38*	
		For Class 55 Rating, Add	*4,520.92*	
		For Class 56 Rating, Add	*5,986.34*	
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,965.39	895.58
		For Class 52 Rating, Deduct	*-2,266.93*	
		For Class 54 Rating, Add	*3,107.55*	
		For Class 55 Rating, Add	*4,628.25*	
		For Class 56 Rating, Add	*6,128.34*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,450.97	898.76
		For Class 52 Rating, Deduct	*-2,319.81*	
		For Class 54 Rating, Add	*3,179.72*	
		For Class 55 Rating, Add	*4,735.58*	
		For Class 56 Rating, Add	*6,270.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,936.56	901.94
		For Class 52 Rating, Deduct	*-2,372.70*	
		For Class 54 Rating, Add	*3,251.90*	
		For Class 55 Rating, Add	*4,842.90*	
		For Class 56 Rating, Add	*6,412.34*	
40 05 19 00-2957		**24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2600)*		
40 05 19 00-2958	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,179.03	927.35
		For Class 52 Rating, Deduct	*-525.14*	
		For Class 54 Rating, Add	*732.95*	
		For Class 55 Rating, Add	*1,098.31*	
		For Class 56 Rating, Add	*1,458.90*	
40 05 19 00-2959	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,779.88	930.53
		For Class 52 Rating, Deduct	*-590.70*	
		For Class 54 Rating, Add	*822.42*	
		For Class 55 Rating, Add	*1,231.35*	
		For Class 56 Rating, Add	*1,634.91*	
40 05 19 00-2960	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,380.75	933.70
		For Class 52 Rating, Deduct	*-656.27*	
		For Class 54 Rating, Add	*911.88*	
		For Class 55 Rating, Add	*1,364.38*	
		For Class 56 Rating, Add	*1,810.91*	
40 05 19 00-2961	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,981.59	936.87
		For Class 52 Rating, Deduct	*-721.83*	
		For Class 54 Rating, Add	*1,001.35*	
		For Class 55 Rating, Add	*1,497.41*	
		For Class 56 Rating, Add	*1,986.92*	
40 05 19 00-2962	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,582.45	940.05
		For Class 52 Rating, Deduct	*-787.39*	
		For Class 54 Rating, Add	*1,090.81*	
		For Class 55 Rating, Add	*1,630.45*	
		For Class 56 Rating, Add	*2,162.92*	
40 05 19 00-2963	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,183.30	943.22
		For Class 52 Rating, Deduct	*-852.96*	
		For Class 54 Rating, Add	*1,180.28*	
		For Class 55 Rating, Add	*1,763.48*	
		For Class 56 Rating, Add	*2,338.93*	
40 05 19 00-2964	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,784.15	946.40
		For Class 52 Rating, Deduct	*-918.52*	
		For Class 54 Rating, Add	*1,269.74*	
		For Class 55 Rating, Add	*1,896.51*	
		For Class 56 Rating, Add	*2,514.93*	
40 05 19 00-2965	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,385.01	949.57
		For Class 52 Rating, Deduct	*-984.09*	
		For Class 54 Rating, Add	*1,359.20*	
		For Class 55 Rating, Add	*2,029.55*	
		For Class 56 Rating, Add	*2,690.94*	
40 05 19 00-2966	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,985.87	952.76
		For Class 52 Rating, Deduct	*-1,049.65*	
		For Class 54 Rating, Add	*1,448.67*	
		For Class 55 Rating, Add	*2,162.58*	
		For Class 56 Rating, Add	*2,866.95*	
40 05 19 00-2967	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,586.71	955.93
		For Class 52 Rating, Deduct	*-1,115.22*	
		For Class 54 Rating, Add	*1,538.13*	
		For Class 55 Rating, Add	*2,295.61*	
		For Class 56 Rating, Add	*3,042.95*	
40 05 19 00-2968	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,187.57	959.11
		For Class 52 Rating, Deduct	*-1,180.78*	
		For Class 54 Rating, Add	*1,627.60*	
		For Class 55 Rating, Add	*2,428.64*	
		For Class 56 Rating, Add	*3,218.96*	
40 05 19 00-2969	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,788.43	962.28
		For Class 52 Rating, Deduct	*-1,246.35*	
		For Class 54 Rating, Add	*1,717.06*	
		For Class 55 Rating, Add	*2,561.68*	
		For Class 56 Rating, Add	*3,394.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2970	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,389.28	965.46
		For Class 52 Rating, Deduct	*-1,311.91*	
		For Class 54 Rating, Add	*1,806.52*	
		For Class 55 Rating, Add	*2,694.71*	
		For Class 56 Rating, Add	*3,570.97*	
40 05 19 00-2971	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,990.13	968.63
		For Class 52 Rating, Deduct	*-1,377.48*	
		For Class 54 Rating, Add	*1,895.99*	
		For Class 55 Rating, Add	*2,827.74*	
		For Class 56 Rating, Add	*3,746.97*	
40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,590.99	971.80
		For Class 52 Rating, Deduct	*-1,443.04*	
		For Class 54 Rating, Add	*1,985.45*	
		For Class 55 Rating, Add	*2,960.78*	
		For Class 56 Rating, Add	*3,922.98*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,191.84	974.98
		For Class 52 Rating, Deduct	*-1,508.60*	
		For Class 54 Rating, Add	*2,074.92*	
		For Class 55 Rating, Add	*3,093.81*	
		For Class 56 Rating, Add	*4,098.99*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,792.70	978.16
		For Class 52 Rating, Deduct	*-1,574.17*	
		For Class 54 Rating, Add	*2,164.38*	
		For Class 55 Rating, Add	*3,226.84*	
		For Class 56 Rating, Add	*4,274.99*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,393.55	981.34
		For Class 52 Rating, Deduct	*-1,639.73*	
		For Class 54 Rating, Add	*2,253.84*	
		For Class 55 Rating, Add	*3,359.87*	
		For Class 56 Rating, Add	*4,451.00*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,994.41	984.51
		For Class 52 Rating, Deduct	*-1,705.30*	
		For Class 54 Rating, Add	*2,343.31*	
		For Class 55 Rating, Add	*3,492.91*	
		For Class 56 Rating, Add	*4,627.00*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,595.25	987.69
		For Class 52 Rating, Deduct	*-1,770.86*	
		For Class 54 Rating, Add	*2,432.77*	
		For Class 55 Rating, Add	*3,625.94*	
		For Class 56 Rating, Add	*4,803.01*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,196.12	990.86
		For Class 52 Rating, Deduct	*-1,836.43*	
		For Class 54 Rating, Add	*2,522.24*	
		For Class 55 Rating, Add	*3,758.97*	
		For Class 56 Rating, Add	*4,979.02*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,796.97	994.04
		For Class 52 Rating, Deduct	*-1,901.99*	
		For Class 54 Rating, Add	*2,611.70*	
		For Class 55 Rating, Add	*3,892.01*	
		For Class 56 Rating, Add	*5,155.02*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,397.82	997.21
		For Class 52 Rating, Deduct	*-1,967.56*	
		For Class 54 Rating, Add	*2,701.16*	
		For Class 55 Rating, Add	*4,025.04*	
		For Class 56 Rating, Add	*5,331.03*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,998.67	1,000.39
		For Class 52 Rating, Deduct	*-2,033.12*	
		For Class 54 Rating, Add	*2,790.63*	
		For Class 55 Rating, Add	*4,158.07*	
		For Class 56 Rating, Add	*5,507.03*	
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,599.53	1,003.57
		For Class 52 Rating, Deduct	*-2,098.69*	
		For Class 54 Rating, Add	*2,880.09*	
		For Class 55 Rating, Add	*4,291.10*	
		For Class 56 Rating, Add	*5,683.04*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,200.39	1,006.75
		For Class 52 Rating, Deduct	*-2,164.25*	
		For Class 54 Rating, Add	*2,969.56*	
		For Class 55 Rating, Add	*4,424.14*	
		For Class 56 Rating, Add	*5,859.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,801.24	1,009.92
		For Class 52 Rating, Deduct	*-2,229.82*	
		For Class 54 Rating, Add	*3,059.02*	
		For Class 55 Rating, Add	*4,557.17*	
		For Class 56 Rating, Add	*6,035.05*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,402.09	1,013.09
		For Class 52 Rating, Deduct	*-2,295.38*	
		For Class 54 Rating, Add	*3,148.48*	
		For Class 55 Rating, Add	*4,690.20*	
		For Class 56 Rating, Add	*6,211.05*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,002.95	1,016.27
		For Class 52 Rating, Deduct	*-2,360.95*	
		For Class 54 Rating, Add	*3,237.95*	
		For Class 55 Rating, Add	*4,823.24*	
		For Class 56 Rating, Add	*6,387.06*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,685.61	1,073.43
		For Class 52 Rating, Deduct	*-2,426.51*	
		For Class 54 Rating, Add	*3,328.40*	
		For Class 55 Rating, Add	*4,958.23*	
		For Class 56 Rating, Add	*6,566.01*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,286.46	1,076.61
		For Class 52 Rating, Deduct	*-2,492.08*	
		For Class 54 Rating, Add	*3,417.86*	
		For Class 55 Rating, Add	*5,091.27*	
		For Class 56 Rating, Add	*6,742.02*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,887.32	1,079.79
		For Class 52 Rating, Deduct	*-2,557.64*	
		For Class 54 Rating, Add	*3,507.32*	
		For Class 55 Rating, Add	*5,224.30*	
		For Class 56 Rating, Add	*6,918.02*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,488.16	1,082.97
		For Class 52 Rating, Deduct	*-2,623.20*	
		For Class 54 Rating, Add	*3,596.79*	
		For Class 55 Rating, Add	*5,357.33*	
		For Class 56 Rating, Add	*7,094.03*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,089.02	1,086.14
		For Class 52 Rating, Deduct	*-2,688.77*	
		For Class 54 Rating, Add	*3,686.25*	
		For Class 55 Rating, Add	*5,490.36*	
		For Class 56 Rating, Add	*7,270.03*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,687.07	1,089.31
		For Class 52 Rating, Deduct	*-2,754.02*	
		For Class 54 Rating, Add	*3,775.29*	
		For Class 55 Rating, Add	*5,622.77*	
		For Class 56 Rating, Add	*7,445.21*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,290.73	1,092.49
		For Class 52 Rating, Deduct	*-2,819.90*	
		For Class 54 Rating, Add	*3,865.18*	
		For Class 55 Rating, Add	*5,756.43*	
		For Class 56 Rating, Add	*7,622.05*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,891.58	1,095.66
		For Class 52 Rating, Deduct	*-2,885.46*	
		For Class 54 Rating, Add	*3,954.64*	
		For Class 55 Rating, Add	*5,889.46*	
		For Class 56 Rating, Add	*7,798.05*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,492.44	1,098.84
		For Class 52 Rating, Deduct	*-2,951.03*	
		For Class 54 Rating, Add	*4,044.11*	
		For Class 55 Rating, Add	*6,022.50*	
		For Class 56 Rating, Add	*7,974.06*	

40 05 19 00-2996 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-2997	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,500.50	1,308.45
		For Class 52 Rating, Deduct	*-826.98*	
		For Class 54 Rating, Add	*1,151.49*	
		For Class 55 Rating, Add	*1,724.09*	
		For Class 56 Rating, Add	*2,289.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2998	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,360.02	1,311.63
		For Class 52 Rating, Deduct	*-921.00*	
		For Class 54 Rating, Add	*1,279.75*	
		For Class 55 Rating, Add	*1,914.81*	
		For Class 56 Rating, Add	*2,541.49*	
40 05 19 00-2999	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,219.53	1,314.80
		For Class 52 Rating, Deduct	*-1,015.02*	
		For Class 54 Rating, Add	*1,408.02*	
		For Class 55 Rating, Add	*2,105.52*	
		For Class 56 Rating, Add	*2,793.80*	
40 05 19 00-3000	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,079.05	1,317.98
		For Class 52 Rating, Deduct	*-1,109.03*	
		For Class 54 Rating, Add	*1,536.28*	
		For Class 55 Rating, Add	*2,296.24*	
		For Class 56 Rating, Add	*3,046.11*	
40 05 19 00-3001	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,938.55	1,321.15
		For Class 52 Rating, Deduct	*-1,203.05*	
		For Class 54 Rating, Add	*1,664.54*	
		For Class 55 Rating, Add	*2,486.95*	
		For Class 56 Rating, Add	*3,298.42*	
40 05 19 00-3002	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,798.07	1,324.32
		For Class 52 Rating, Deduct	*-1,297.07*	
		For Class 54 Rating, Add	*1,792.81*	
		For Class 55 Rating, Add	*2,677.66*	
		For Class 56 Rating, Add	*3,550.73*	
40 05 19 00-3003	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,657.59	1,327.50
		For Class 52 Rating, Deduct	*-1,391.08*	
		For Class 54 Rating, Add	*1,921.07*	
		For Class 55 Rating, Add	*2,868.38*	
		For Class 56 Rating, Add	*3,803.04*	
40 05 19 00-3004	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,517.10	1,330.68
		For Class 52 Rating, Deduct	*-1,485.10*	
		For Class 54 Rating, Add	*2,049.33*	
		For Class 55 Rating, Add	*3,059.09*	
		For Class 56 Rating, Add	*4,055.35*	
40 05 19 00-3005	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,376.61	1,333.86
		For Class 52 Rating, Deduct	*-1,579.12*	
		For Class 54 Rating, Add	*2,177.59*	
		For Class 55 Rating, Add	*3,249.81*	
		For Class 56 Rating, Add	*4,307.66*	
40 05 19 00-3006	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,236.13	1,337.03
		For Class 52 Rating, Deduct	*-1,673.14*	
		For Class 54 Rating, Add	*2,305.86*	
		For Class 55 Rating, Add	*3,440.52*	
		For Class 56 Rating, Add	*4,559.97*	
40 05 19 00-3007	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,095.65	1,340.21
		For Class 52 Rating, Deduct	*-1,767.15*	
		For Class 54 Rating, Add	*2,434.12*	
		For Class 55 Rating, Add	*3,631.24*	
		For Class 56 Rating, Add	*4,812.29*	
40 05 19 00-3008	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,955.15	1,343.38
		For Class 52 Rating, Deduct	*-1,861.17*	
		For Class 54 Rating, Add	*2,562.38*	
		For Class 55 Rating, Add	*3,821.95*	
		For Class 56 Rating, Add	*5,064.60*	
40 05 19 00-3009	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,814.67	1,346.56
		For Class 52 Rating, Deduct	*-1,955.19*	
		For Class 54 Rating, Add	*2,690.65*	
		For Class 55 Rating, Add	*4,012.66*	
		For Class 56 Rating, Add	*5,316.91*	
40 05 19 00-3010	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,674.18	1,349.73
		For Class 52 Rating, Deduct	*-2,049.20*	
		For Class 54 Rating, Add	*2,818.91*	
		For Class 55 Rating, Add	*4,203.38*	
		For Class 56 Rating, Add	*5,569.22*	
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,533.69	1,352.91
		For Class 52 Rating, Deduct	*-2,143.22*	
		For Class 54 Rating, Add	*2,947.17*	
		For Class 55 Rating, Add	*4,394.09*	
		For Class 56 Rating, Add	*5,821.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,393.21	1,356.09
		For Class 52 Rating, Deduct	*-2,237.24*	
		For Class 54 Rating, Add	*3,075.44*	
		For Class 55 Rating, Add	*4,584.81*	
		For Class 56 Rating, Add	*6,073.84*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,252.73	1,359.27
		For Class 52 Rating, Deduct	*-2,331.26*	
		For Class 54 Rating, Add	*3,203.70*	
		For Class 55 Rating, Add	*4,775.52*	
		For Class 56 Rating, Add	*6,326.15*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,112.23	1,362.44
		For Class 52 Rating, Deduct	*-2,425.27*	
		For Class 54 Rating, Add	*3,331.96*	
		For Class 55 Rating, Add	*4,966.23*	
		For Class 56 Rating, Add	*6,578.46*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,971.75	1,365.61
		For Class 52 Rating, Deduct	*-2,519.29*	
		For Class 54 Rating, Add	*3,460.23*	
		For Class 55 Rating, Add	*5,156.95*	
		For Class 56 Rating, Add	*6,830.77*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,831.26	1,368.79
		For Class 52 Rating, Deduct	*-2,613.31*	
		For Class 54 Rating, Add	*3,588.49*	
		For Class 55 Rating, Add	*5,347.66*	
		For Class 56 Rating, Add	*7,083.08*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,690.79	1,371.96
		For Class 52 Rating, Deduct	*-2,707.33*	
		For Class 54 Rating, Add	*3,716.75*	
		For Class 55 Rating, Add	*5,538.38*	
		For Class 56 Rating, Add	*7,335.39*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,550.29	1,375.14
		For Class 52 Rating, Deduct	*-2,801.34*	
		For Class 54 Rating, Add	*3,845.01*	
		For Class 55 Rating, Add	*5,729.09*	
		For Class 56 Rating, Add	*7,587.70*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,409.81	1,378.31
		For Class 52 Rating, Deduct	*-2,895.36*	
		For Class 54 Rating, Add	*3,973.28*	
		For Class 55 Rating, Add	*5,919.80*	
		For Class 56 Rating, Add	*7,840.01*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,269.32	1,381.50
		For Class 52 Rating, Deduct	*-2,989.38*	
		For Class 54 Rating, Add	*4,101.54*	
		For Class 55 Rating, Add	*6,110.52*	
		For Class 56 Rating, Add	*8,092.32*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,128.83	1,384.67
		For Class 52 Rating, Deduct	*-3,083.39*	
		For Class 54 Rating, Add	*4,229.80*	
		For Class 55 Rating, Add	*6,301.23*	
		For Class 56 Rating, Add	*8,344.63*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,988.35	1,387.85
		For Class 52 Rating, Deduct	*-3,177.41*	
		For Class 54 Rating, Add	*4,358.07*	
		For Class 55 Rating, Add	*6,491.95*	
		For Class 56 Rating, Add	*8,596.94*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,847.87	1,391.02
		For Class 52 Rating, Deduct	*-3,271.43*	
		For Class 54 Rating, Add	*4,486.33*	
		For Class 55 Rating, Add	*6,682.66*	
		For Class 56 Rating, Add	*8,849.25*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,707.37	1,394.20
		For Class 52 Rating, Deduct	*-3,365.45*	
		For Class 54 Rating, Add	*4,614.59*	
		For Class 55 Rating, Add	*6,873.37*	
		For Class 56 Rating, Add	*9,101.56*	
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,566.89	1,397.37
		For Class 52 Rating, Deduct	*-3,459.46*	
		For Class 54 Rating, Add	*4,742.86*	
		For Class 55 Rating, Add	*7,064.09*	
		For Class 56 Rating, Add	*9,353.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,426.40	1,400.54
		For Class 52 Rating, Deduct	*-3,553.48*	
		For Class 54 Rating, Add	*4,871.12*	
		For Class 55 Rating, Add	*7,254.80*	
		For Class 56 Rating, Add	*9,606.18*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,285.92	1,403.72
		For Class 52 Rating, Deduct	*-3,647.50*	
		For Class 54 Rating, Add	*4,999.38*	
		For Class 55 Rating, Add	*7,445.52*	
		For Class 56 Rating, Add	*9,858.49*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,145.43	1,406.90
		For Class 52 Rating, Deduct	*-3,741.51*	
		For Class 54 Rating, Add	*5,127.65*	
		For Class 55 Rating, Add	*7,636.23*	
		For Class 56 Rating, Add	*10,110.80*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,004.95	1,410.08
		For Class 52 Rating, Deduct	*-3,835.53*	
		For Class 54 Rating, Add	*5,255.91*	
		For Class 55 Rating, Add	*7,826.94*	
		For Class 56 Rating, Add	*10,363.11*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,864.46	1,413.25
		For Class 52 Rating, Deduct	*-3,929.55*	
		For Class 54 Rating, Add	*5,384.17*	
		For Class 55 Rating, Add	*8,017.66*	
		For Class 56 Rating, Add	*10,615.42*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,723.98	1,416.43
		For Class 52 Rating, Deduct	*-4,023.57*	
		For Class 54 Rating, Add	*5,512.44*	
		For Class 55 Rating, Add	*8,208.37*	
		For Class 56 Rating, Add	*10,867.73*	

40 05 19 00-3032 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2600)*

40 05 19 00-3033	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,142.16	1,657.79
		For Class 52 Rating, Deduct	*-1,169.34*	
		For Class 54 Rating, Add	*1,624.70*	
		For Class 55 Rating, Add	*2,430.85*	
		For Class 56 Rating, Add	*3,226.38*	
40 05 19 00-3034	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,294.08	1,660.97
		For Class 52 Rating, Deduct	*-1,295.52*	
		For Class 54 Rating, Add	*1,796.82*	
		For Class 55 Rating, Add	*2,686.77*	
		For Class 56 Rating, Add	*3,564.95*	
40 05 19 00-3035	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,445.99	1,664.15
		For Class 52 Rating, Deduct	*-1,421.70*	
		For Class 54 Rating, Add	*1,968.94*	
		For Class 55 Rating, Add	*2,942.69*	
		For Class 56 Rating, Add	*3,903.52*	
40 05 19 00-3036	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,597.90	1,667.32
		For Class 52 Rating, Deduct	*-1,547.88*	
		For Class 54 Rating, Add	*2,141.06*	
		For Class 55 Rating, Add	*3,198.61*	
		For Class 56 Rating, Add	*4,242.08*	
40 05 19 00-3037	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,749.81	1,670.50
		For Class 52 Rating, Deduct	*-1,674.06*	
		For Class 54 Rating, Add	*2,313.19*	
		For Class 55 Rating, Add	*3,454.53*	
		For Class 56 Rating, Add	*4,580.65*	
40 05 19 00-3038	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,901.73	1,673.67
		For Class 52 Rating, Deduct	*-1,800.24*	
		For Class 54 Rating, Add	*2,485.31*	
		For Class 55 Rating, Add	*3,710.45*	
		For Class 56 Rating, Add	*4,919.22*	
40 05 19 00-3039	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,053.63	1,676.84
		For Class 52 Rating, Deduct	*-1,926.43*	
		For Class 54 Rating, Add	*2,657.43*	
		For Class 55 Rating, Add	*3,966.37*	
		For Class 56 Rating, Add	*5,257.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,205.55	1,680.02
		For Class 52 Rating, Deduct	*-2,052.61*	
		For Class 54 Rating, Add	*2,829.55*	
		For Class 55 Rating, Add	*4,222.29*	
		For Class 56 Rating, Add	*5,596.36*	
40 05 19 00-3041	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,357.46	1,683.19
		For Class 52 Rating, Deduct	*-2,178.79*	
		For Class 54 Rating, Add	*3,001.68*	
		For Class 55 Rating, Add	*4,478.20*	
		For Class 56 Rating, Add	*5,934.92*	
40 05 19 00-3042	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,509.37	1,686.38
		For Class 52 Rating, Deduct	*-2,304.97*	
		For Class 54 Rating, Add	*3,173.80*	
		For Class 55 Rating, Add	*4,734.12*	
		For Class 56 Rating, Add	*6,278.49*	
40 05 19 00-3043	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,661.28	1,689.55
		For Class 52 Rating, Deduct	*-2,431.15*	
		For Class 54 Rating, Add	*3,345.92*	
		For Class 55 Rating, Add	*4,990.04*	
		For Class 56 Rating, Add	*6,612.06*	
40 05 19 00-3044	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,813.20	1,692.73
		For Class 52 Rating, Deduct	*-2,557.33*	
		For Class 54 Rating, Add	*3,518.05*	
		For Class 55 Rating, Add	*5,245.96*	
		For Class 56 Rating, Add	*6,950.63*	
40 05 19 00-3045	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,965.10	1,695.90
		For Class 52 Rating, Deduct	*-2,683.51*	
		For Class 54 Rating, Add	*3,690.17*	
		For Class 55 Rating, Add	*5,501.88*	
		For Class 56 Rating, Add	*7,289.19*	
40 05 19 00-3046	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,117.02	1,699.08
		For Class 52 Rating, Deduct	*-2,809.69*	
		For Class 54 Rating, Add	*3,862.29*	
		For Class 55 Rating, Add	*5,757.80*	
		For Class 56 Rating, Add	*7,627.76*	
40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,268.93	1,702.25
		For Class 52 Rating, Deduct	*-2,935.87*	
		For Class 54 Rating, Add	*4,034.41*	
		For Class 55 Rating, Add	*6,013.72*	
		For Class 56 Rating, Add	*7,966.33*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,420.85	1,705.43
		For Class 52 Rating, Deduct	*-3,062.05*	
		For Class 54 Rating, Add	*4,206.54*	
		For Class 55 Rating, Add	*6,269.64*	
		For Class 56 Rating, Add	*8,304.90*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,572.75	1,708.60
		For Class 52 Rating, Deduct	*-3,188.24*	
		For Class 54 Rating, Add	*4,378.66*	
		For Class 55 Rating, Add	*6,525.55*	
		For Class 56 Rating, Add	*8,643.46*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,724.67	1,711.78
		For Class 52 Rating, Deduct	*-3,314.42*	
		For Class 54 Rating, Add	*4,550.78*	
		For Class 55 Rating, Add	*6,781.47*	
		For Class 56 Rating, Add	*8,982.03*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,876.58	1,714.96
		For Class 52 Rating, Deduct	*-3,440.60*	
		For Class 54 Rating, Add	*4,722.91*	
		For Class 55 Rating, Add	*7,037.39*	
		For Class 56 Rating, Add	*9,320.60*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,028.49	1,718.13
		For Class 52 Rating, Deduct	*-3,566.78*	
		For Class 54 Rating, Add	*4,895.03*	
		For Class 55 Rating, Add	*7,293.31*	
		For Class 56 Rating, Add	*9,659.17*	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,180.40	1,721.31
		For Class 52 Rating, Deduct	*-3,692.96*	
		For Class 54 Rating, Add	*5,067.15*	
		For Class 55 Rating, Add	*7,549.23*	
		For Class 56 Rating, Add	*9,997.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,332.32	1,724.48
		For Class 52 Rating, Deduct	*-3,819.14*	
		For Class 54 Rating, Add	*5,239.27*	
		For Class 55 Rating, Add	*7,805.15*	
		For Class 56 Rating, Add	*10,336.30*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,484.22	1,727.66
		For Class 52 Rating, Deduct	*-3,945.32*	
		For Class 54 Rating, Add	*5,411.40*	
		For Class 55 Rating, Add	*8,061.07*	
		For Class 56 Rating, Add	*10,674.87*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,636.14	1,730.83
		For Class 52 Rating, Deduct	*-4,071.50*	
		For Class 54 Rating, Add	*5,583.52*	
		For Class 55 Rating, Add	*8,316.99*	
		For Class 56 Rating, Add	*11,013.44*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,788.05	1,734.01
		For Class 52 Rating, Deduct	*-4,197.68*	
		For Class 54 Rating, Add	*5,755.64*	
		For Class 55 Rating, Add	*8,572.90*	
		For Class 56 Rating, Add	*11,352.01*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,939.97	1,737.19
		For Class 52 Rating, Deduct	*-4,323.86*	
		For Class 54 Rating, Add	*5,927.76*	
		For Class 55 Rating, Add	*8,828.82*	
		For Class 56 Rating, Add	*11,690.57*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,091.87	1,740.37
		For Class 52 Rating, Deduct	*-4,450.05*	
		For Class 54 Rating, Add	*6,099.89*	
		For Class 55 Rating, Add	*9,084.74*	
		For Class 56 Rating, Add	*12,029.14*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,243.79	1,743.54
		For Class 52 Rating, Deduct	*-4,576.23*	
		For Class 54 Rating, Add	*6,272.01*	
		For Class 55 Rating, Add	*9,340.66*	
		For Class 56 Rating, Add	*12,367.71*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,395.70	1,746.72
		For Class 52 Rating, Deduct	*-4,702.41*	
		For Class 54 Rating, Add	*6,444.13*	
		For Class 55 Rating, Add	*9,596.58*	
		For Class 56 Rating, Add	*12,706.28*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,547.61	1,749.89
		For Class 52 Rating, Deduct	*-4,828.59*	
		For Class 54 Rating, Add	*6,616.26*	
		For Class 55 Rating, Add	*9,852.50*	
		For Class 56 Rating, Add	*13,044.85*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,699.52	1,753.06
		For Class 52 Rating, Deduct	*-4,954.77*	
		For Class 54 Rating, Add	*6,788.38*	
		For Class 55 Rating, Add	*10,108.42*	
		For Class 56 Rating, Add	*13,383.41*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,851.44	1,756.24
		For Class 52 Rating, Deduct	*-5,080.95*	
		For Class 54 Rating, Add	*6,960.50*	
		For Class 55 Rating, Add	*10,364.34*	
		For Class 56 Rating, Add	*13,721.98*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,003.34	1,759.41
		For Class 52 Rating, Deduct	*-5,207.13*	
		For Class 54 Rating, Add	*7,132.62*	
		For Class 55 Rating, Add	*10,620.25*	
		For Class 56 Rating, Add	*14,060.55*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,155.26	1,762.60
		For Class 52 Rating, Deduct	*-5,333.31*	
		For Class 54 Rating, Add	*7,304.75*	
		For Class 55 Rating, Add	*10,876.17*	
		For Class 56 Rating, Add	*14,399.12*	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,307.17	1,765.77
		For Class 52 Rating, Deduct	*-5,459.49*	
		For Class 54 Rating, Add	*7,476.87*	
		For Class 55 Rating, Add	*11,132.09*	
		For Class 56 Rating, Add	*14,737.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3068			Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2059)*		
40 05 19 00-3069			4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*		
	40 05 19 00-3070	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	710.47	155.31
			For Class 52 Rating, Deduct	*-52.27*	
			For Class 54 Rating, Add	*74.10*	
			For Class 55 Rating, Add	*111.61*	
			For Class 56 Rating, Add	*148.64*	
	40 05 19 00-3071	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	821.42	158.03
			For Class 52 Rating, Deduct	*-64.02*	
			For Class 54 Rating, Add	*90.17*	
			For Class 55 Rating, Add	*135.53*	
			For Class 56 Rating, Add	*180.30*	
	40 05 19 00-3072	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	932.37	160.76
			For Class 52 Rating, Deduct	*-75.77*	
			For Class 54 Rating, Add	*106.25*	
			For Class 55 Rating, Add	*159.45*	
			For Class 56 Rating, Add	*211.97*	
	40 05 19 00-3073	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,043.32	163.46
			For Class 52 Rating, Deduct	*-87.52*	
			For Class 54 Rating, Add	*122.32*	
			For Class 55 Rating, Add	*183.38*	
			For Class 56 Rating, Add	*243.64*	
	40 05 19 00-3074	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,154.29	166.18
			For Class 52 Rating, Deduct	*-99.28*	
			For Class 54 Rating, Add	*138.40*	
			For Class 55 Rating, Add	*207.30*	
			For Class 56 Rating, Add	*275.30*	
	40 05 19 00-3075	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,265.24	168.89
			For Class 52 Rating, Deduct	*-111.03*	
			For Class 54 Rating, Add	*154.47*	
			For Class 55 Rating, Add	*231.22*	
			For Class 56 Rating, Add	*306.97*	
	40 05 19 00-3076	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,376.18	171.62
			For Class 52 Rating, Deduct	*-122.78*	
			For Class 54 Rating, Add	*170.55*	
			For Class 55 Rating, Add	*255.15*	
			For Class 56 Rating, Add	*338.63*	
	40 05 19 00-3077	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,487.14	174.33
			For Class 52 Rating, Deduct	*-134.53*	
			For Class 54 Rating, Add	*186.62*	
			For Class 55 Rating, Add	*279.07*	
			For Class 56 Rating, Add	*370.30*	
	40 05 19 00-3078	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,598.09	177.04
			For Class 52 Rating, Deduct	*-146.28*	
			For Class 54 Rating, Add	*202.70*	
			For Class 55 Rating, Add	*302.99*	
			For Class 56 Rating, Add	*401.96*	
	40 05 19 00-3079	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,709.04	179.76
			For Class 52 Rating, Deduct	*-158.04*	
			For Class 54 Rating, Add	*218.77*	
			For Class 55 Rating, Add	*326.92*	
			For Class 56 Rating, Add	*433.63*	
	40 05 19 00-3080	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,819.99	182.46
			For Class 52 Rating, Deduct	*-169.79*	
			For Class 54 Rating, Add	*234.85*	
			For Class 55 Rating, Add	*350.84*	
			For Class 56 Rating, Add	*465.29*	
	40 05 19 00-3081	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,930.94	185.19
			For Class 52 Rating, Deduct	*-181.54*	
			For Class 54 Rating, Add	*250.92*	
			For Class 55 Rating, Add	*374.76*	
			For Class 56 Rating, Add	*496.96*	
	40 05 19 00-3082	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,041.89	187.91
			For Class 52 Rating, Deduct	*-193.29*	
			For Class 54 Rating, Add	*267.00*	
			For Class 55 Rating, Add	*398.69*	
			For Class 56 Rating, Add	*528.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3083	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,152.85	190.62
		For Class 52 Rating, Deduct	*-205.04*	
		For Class 54 Rating, Add	*283.07*	
		For Class 55 Rating, Add	*422.61*	
		For Class 56 Rating, Add	*560.29*	
40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,263.80	193.33
		For Class 52 Rating, Deduct	*-216.80*	
		For Class 54 Rating, Add	*299.15*	
		For Class 55 Rating, Add	*446.54*	
		For Class 56 Rating, Add	*591.95*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,374.74	196.04
		For Class 52 Rating, Deduct	*-228.55*	
		For Class 54 Rating, Add	*315.22*	
		For Class 55 Rating, Add	*470.46*	
		For Class 56 Rating, Add	*623.62*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,485.70	198.77
		For Class 52 Rating, Deduct	*-240.30*	
		For Class 54 Rating, Add	*331.30*	
		For Class 55 Rating, Add	*494.38*	
		For Class 56 Rating, Add	*655.28*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,596.65	201.48
		For Class 52 Rating, Deduct	*-252.05*	
		For Class 54 Rating, Add	*347.37*	
		For Class 55 Rating, Add	*518.31*	
		For Class 56 Rating, Add	*686.95*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,707.61	204.19
		For Class 52 Rating, Deduct	*-263.81*	
		For Class 54 Rating, Add	*363.45*	
		For Class 55 Rating, Add	*542.23*	
		For Class 56 Rating, Add	*718.62*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,818.56	206.91
		For Class 52 Rating, Deduct	*-275.56*	
		For Class 54 Rating, Add	*379.52*	
		For Class 55 Rating, Add	*566.15*	
		For Class 56 Rating, Add	*750.28*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,929.51	209.63
		For Class 52 Rating, Deduct	*-287.31*	
		For Class 54 Rating, Add	*395.60*	
		For Class 55 Rating, Add	*590.08*	
		For Class 56 Rating, Add	*781.94*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,040.47	212.34
		For Class 52 Rating, Deduct	*-299.06*	
		For Class 54 Rating, Add	*411.67*	
		For Class 55 Rating, Add	*614.00*	
		For Class 56 Rating, Add	*813.61*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,151.42	215.06
		For Class 52 Rating, Deduct	*-310.81*	
		For Class 54 Rating, Add	*427.75*	
		For Class 55 Rating, Add	*637.92*	
		For Class 56 Rating, Add	*845.28*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,262.37	217.77
		For Class 52 Rating, Deduct	*-322.57*	
		For Class 54 Rating, Add	*443.82*	
		For Class 55 Rating, Add	*661.85*	
		For Class 56 Rating, Add	*876.94*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,648.85	220.48
		For Class 52 Rating, Deduct	*-364.63*	
		For Class 54 Rating, Add	*501.23*	
		For Class 55 Rating, Add	*747.21*	
		For Class 56 Rating, Add	*989.89*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,759.80	223.20
		For Class 52 Rating, Deduct	*-376.38*	
		For Class 54 Rating, Add	*517.30*	
		For Class 55 Rating, Add	*771.14*	
		For Class 56 Rating, Add	*1,021.55*	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,870.75	225.92
		For Class 52 Rating, Deduct	*-388.13*	
		For Class 54 Rating, Add	*533.38*	
		For Class 55 Rating, Add	*795.06*	
		For Class 56 Rating, Add	*1,053.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,981.71	228.64
		For Class 52 Rating, Deduct	*-399.88*	
		For Class 54 Rating, Add	*549.45*	
		For Class 55 Rating, Add	*818.99*	
		For Class 56 Rating, Add	*1,084.88*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,092.65	231.34
		For Class 52 Rating, Deduct	*-411.63*	
		For Class 54 Rating, Add	*565.53*	
		For Class 55 Rating, Add	*842.91*	
		For Class 56 Rating, Add	*1,116.55*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,203.60	234.06
		For Class 52 Rating, Deduct	*-423.39*	
		For Class 54 Rating, Add	*581.60*	
		For Class 55 Rating, Add	*866.83*	
		For Class 56 Rating, Add	*1,148.21*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,314.56	236.78
		For Class 52 Rating, Deduct	*-435.14*	
		For Class 54 Rating, Add	*597.68*	
		For Class 55 Rating, Add	*890.76*	
		For Class 56 Rating, Add	*1,179.88*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,425.51	239.50
		For Class 52 Rating, Deduct	*-446.89*	
		For Class 54 Rating, Add	*613.75*	
		For Class 55 Rating, Add	*914.68*	
		For Class 56 Rating, Add	*1,211.54*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,536.46	242.21
		For Class 52 Rating, Deduct	*-458.64*	
		For Class 54 Rating, Add	*629.83*	
		For Class 55 Rating, Add	*938.60*	
		For Class 56 Rating, Add	*1,243.21*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,647.42	244.92
		For Class 52 Rating, Deduct	*-470.40*	
		For Class 54 Rating, Add	*645.90*	
		For Class 55 Rating, Add	*962.53*	
		For Class 56 Rating, Add	*1,274.87*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,758.37	247.64
		For Class 52 Rating, Deduct	*-482.15*	
		For Class 54 Rating, Add	*661.98*	
		For Class 55 Rating, Add	*986.45*	
		For Class 56 Rating, Add	*1,306.54*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,869.32	250.35
		For Class 52 Rating, Deduct	*-493.90*	
		For Class 54 Rating, Add	*678.05*	
		For Class 55 Rating, Add	*1,010.37*	
		For Class 56 Rating, Add	*1,338.21*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,980.28	253.07
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*694.13*	
		For Class 55 Rating, Add	*1,034.30*	
		For Class 56 Rating, Add	*1,369.87*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,091.22	255.79
		For Class 52 Rating, Deduct	*-517.40*	
		For Class 54 Rating, Add	*710.20*	
		For Class 55 Rating, Add	*1,058.22*	
		For Class 56 Rating, Add	*1,401.53*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,202.17	258.51
		For Class 52 Rating, Deduct	*-529.16*	
		For Class 54 Rating, Add	*726.28*	
		For Class 55 Rating, Add	*1,082.14*	
		For Class 56 Rating, Add	*1,433.20*	

40 05 19 00-3109 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3110	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	872.58	195.51
		For Class 52 Rating, Deduct	*-63.40*	
		For Class 54 Rating, Add	*90.01*	
		For Class 55 Rating, Add	*135.64*	
		For Class 56 Rating, Add	*180.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3111	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,000.40	198.22
		For Class 52 Rating, Deduct	*-77.01*	
		For Class 54 Rating, Add	*108.61*	
		For Class 55 Rating, Add	*163.32*	
		For Class 56 Rating, Add	*217.33*	
40 05 19 00-3112	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,128.23	200.93
		For Class 52 Rating, Deduct	*-90.62*	
		For Class 54 Rating, Add	*127.22*	
		For Class 55 Rating, Add	*191.01*	
		For Class 56 Rating, Add	*253.98*	
40 05 19 00-3113	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,256.04	203.66
		For Class 52 Rating, Deduct	*-104.22*	
		For Class 54 Rating, Add	*145.82*	
		For Class 55 Rating, Add	*218.69*	
		For Class 56 Rating, Add	*290.61*	
40 05 19 00-3114	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,383.86	206.37
		For Class 52 Rating, Deduct	*-117.83*	
		For Class 54 Rating, Add	*164.43*	
		For Class 55 Rating, Add	*246.38*	
		For Class 56 Rating, Add	*327.26*	
40 05 19 00-3115	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,511.70	209.08
		For Class 52 Rating, Deduct	*-131.44*	
		For Class 54 Rating, Add	*183.04*	
		For Class 55 Rating, Add	*274.07*	
		For Class 56 Rating, Add	*363.90*	
40 05 19 00-3116	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,639.51	211.79
		For Class 52 Rating, Deduct	*-145.05*	
		For Class 54 Rating, Add	*201.64*	
		For Class 55 Rating, Add	*301.75*	
		For Class 56 Rating, Add	*400.54*	
40 05 19 00-3117	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,767.33	214.51
		For Class 52 Rating, Deduct	*-158.65*	
		For Class 54 Rating, Add	*220.25*	
		For Class 55 Rating, Add	*329.44*	
		For Class 56 Rating, Add	*437.18*	
40 05 19 00-3118	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,895.16	217.24
		For Class 52 Rating, Deduct	*-172.26*	
		For Class 54 Rating, Add	*238.85*	
		For Class 55 Rating, Add	*357.12*	
		For Class 56 Rating, Add	*473.82*	
40 05 19 00-3119	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,022.97	219.94
		For Class 52 Rating, Deduct	*-185.87*	
		For Class 54 Rating, Add	*257.46*	
		For Class 55 Rating, Add	*384.81*	
		For Class 56 Rating, Add	*510.46*	
40 05 19 00-3120	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,150.79	222.66
		For Class 52 Rating, Deduct	*-199.48*	
		For Class 54 Rating, Add	*276.06*	
		For Class 55 Rating, Add	*412.49*	
		For Class 56 Rating, Add	*547.11*	
40 05 19 00-3121	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,278.62	225.37
		For Class 52 Rating, Deduct	*-213.09*	
		For Class 54 Rating, Add	*294.67*	
		For Class 55 Rating, Add	*440.18*	
		For Class 56 Rating, Add	*583.75*	
40 05 19 00-3122	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,406.43	228.08
		For Class 52 Rating, Deduct	*-226.69*	
		For Class 54 Rating, Add	*313.27*	
		For Class 55 Rating, Add	*467.86*	
		For Class 56 Rating, Add	*620.39*	
40 05 19 00-3123	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,534.25	230.81
		For Class 52 Rating, Deduct	*-240.30*	
		For Class 54 Rating, Add	*331.88*	
		For Class 55 Rating, Add	*495.55*	
		For Class 56 Rating, Add	*657.03*	
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,662.08	233.52
		For Class 52 Rating, Deduct	*-253.91*	
		For Class 54 Rating, Add	*350.48*	
		For Class 55 Rating, Add	*523.23*	
		For Class 56 Rating, Add	*693.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,789.89	236.24
		For Class 52 Rating, Deduct	*-267.52*	
		For Class 54 Rating, Add	*369.09*	
		For Class 55 Rating, Add	*550.92*	
		For Class 56 Rating, Add	*730.31*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,917.71	238.94
		For Class 52 Rating, Deduct	*-281.12*	
		For Class 54 Rating, Add	*387.69*	
		For Class 55 Rating, Add	*578.60*	
		For Class 56 Rating, Add	*766.96*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,045.54	241.66
		For Class 52 Rating, Deduct	*-294.73*	
		For Class 54 Rating, Add	*406.30*	
		For Class 55 Rating, Add	*606.29*	
		For Class 56 Rating, Add	*808.60*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,173.36	244.39
		For Class 52 Rating, Deduct	*-308.34*	
		For Class 54 Rating, Add	*424.91*	
		For Class 55 Rating, Add	*633.98*	
		For Class 56 Rating, Add	*840.24*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,301.17	247.10
		For Class 52 Rating, Deduct	*-321.95*	
		For Class 54 Rating, Add	*443.51*	
		For Class 55 Rating, Add	*661.66*	
		For Class 56 Rating, Add	*876.88*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,429.01	249.81
		For Class 52 Rating, Deduct	*-335.56*	
		For Class 54 Rating, Add	*462.12*	
		For Class 55 Rating, Add	*689.35*	
		For Class 56 Rating, Add	*913.52*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,556.83	252.53
		For Class 52 Rating, Deduct	*-349.16*	
		For Class 54 Rating, Add	*480.72*	
		For Class 55 Rating, Add	*717.03*	
		For Class 56 Rating, Add	*950.17*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,684.64	255.25
		For Class 52 Rating, Deduct	*-362.77*	
		For Class 54 Rating, Add	*499.33*	
		For Class 55 Rating, Add	*744.72*	
		For Class 56 Rating, Add	*986.81*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,812.47	257.96
		For Class 52 Rating, Deduct	*-376.38*	
		For Class 54 Rating, Add	*517.93*	
		For Class 55 Rating, Add	*772.40*	
		For Class 56 Rating, Add	*1,023.45*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,940.29	260.67
		For Class 52 Rating, Deduct	*-389.99*	
		For Class 54 Rating, Add	*536.54*	
		For Class 55 Rating, Add	*800.09*	
		For Class 56 Rating, Add	*1,060.09*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,068.10	263.39
		For Class 52 Rating, Deduct	*-403.59*	
		For Class 54 Rating, Add	*555.14*	
		For Class 55 Rating, Add	*827.77*	
		For Class 56 Rating, Add	*1,096.73*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,195.93	266.11
		For Class 52 Rating, Deduct	*-417.20*	
		For Class 54 Rating, Add	*573.75*	
		For Class 55 Rating, Add	*855.46*	
		For Class 56 Rating, Add	*1,133.37*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,323.75	268.81
		For Class 52 Rating, Deduct	*-430.81*	
		For Class 54 Rating, Add	*592.36*	
		For Class 55 Rating, Add	*883.14*	
		For Class 56 Rating, Add	*1,170.02*	
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,451.56	271.54
		For Class 52 Rating, Deduct	*-444.42*	
		For Class 54 Rating, Add	*610.96*	
		For Class 55 Rating, Add	*910.83*	
		For Class 56 Rating, Add	*1,206.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,579.39	274.25
		For Class 52 Rating, Deduct	*-458.02*	
		For Class 54 Rating, Add	*629.57*	
		For Class 55 Rating, Add	*938.51*	
		For Class 56 Rating, Add	*1,243.30*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,707.21	276.96
		For Class 52 Rating, Deduct	*-471.63*	
		For Class 54 Rating, Add	*648.17*	
		For Class 55 Rating, Add	*966.20*	
		For Class 56 Rating, Add	*1,279.94*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,835.03	279.68
		For Class 52 Rating, Deduct	*-485.24*	
		For Class 54 Rating, Add	*666.78*	
		For Class 55 Rating, Add	*993.88*	
		For Class 56 Rating, Add	*1,316.58*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,962.85	282.40
		For Class 52 Rating, Deduct	*-498.85*	
		For Class 54 Rating, Add	*685.38*	
		For Class 55 Rating, Add	*1,021.57*	
		For Class 56 Rating, Add	*1,353.22*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,090.68	285.12
		For Class 52 Rating, Deduct	*-512.46*	
		For Class 54 Rating, Add	*703.99*	
		For Class 55 Rating, Add	*1,049.26*	
		For Class 56 Rating, Add	*1,389.87*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,218.51	287.82
		For Class 52 Rating, Deduct	*-526.06*	
		For Class 54 Rating, Add	*722.59*	
		For Class 55 Rating, Add	*1,076.94*	
		For Class 56 Rating, Add	*1,426.51*	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,346.32	290.54
		For Class 52 Rating, Deduct	*-539.67*	
		For Class 54 Rating, Add	*741.20*	
		For Class 55 Rating, Add	*1,104.63*	
		For Class 56 Rating, Add	*1,463.15*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,474.14	293.26
		For Class 52 Rating, Deduct	*-553.28*	
		For Class 54 Rating, Add	*759.80*	
		For Class 55 Rating, Add	*1,132.31*	
		For Class 56 Rating, Add	*1,499.79*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,601.97	295.97
		For Class 52 Rating, Deduct	*-566.89*	
		For Class 54 Rating, Add	*778.41*	
		For Class 55 Rating, Add	*1,160.00*	
		For Class 56 Rating, Add	*1,536.43*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,729.78	298.69
		For Class 52 Rating, Deduct	*-580.49*	
		For Class 54 Rating, Add	*797.01*	
		For Class 55 Rating, Add	*1,187.68*	
		For Class 56 Rating, Add	*1,573.07*	

40 05 19 00-3149 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3150	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,191.04	249.81
		For Class 52 Rating, Deduct	*-89.38*	
		For Class 54 Rating, Add	*126.42*	
		For Class 55 Rating, Add	*190.28*	
		For Class 56 Rating, Add	*253.32*	
40 05 19 00-3151	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,355.41	252.53
		For Class 52 Rating, Deduct	*-107.01*	
		For Class 54 Rating, Add	*150.51*	
		For Class 55 Rating, Add	*226.12*	
		For Class 56 Rating, Add	*300.75*	
40 05 19 00-3152	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,519.77	255.25
		For Class 52 Rating, Deduct	*-124.63*	
		For Class 54 Rating, Add	*174.60*	
		For Class 55 Rating, Add	*261.95*	
		For Class 56 Rating, Add	*348.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3153	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,684.15	257.96
		For Class 52 Rating, Deduct	*-142.26*	
		For Class 54 Rating, Add	*198.69*	
		For Class 55 Rating, Add	*297.79*	
		For Class 56 Rating, Add	*395.59*	
40 05 19 00-3154	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,848.52	260.67
		For Class 52 Rating, Deduct	*-159.89*	
		For Class 54 Rating, Add	*222.77*	
		For Class 55 Rating, Add	*333.62*	
		For Class 56 Rating, Add	*443.02*	
40 05 19 00-3155	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,012.88	263.39
		For Class 52 Rating, Deduct	*-177.52*	
		For Class 54 Rating, Add	*246.86*	
		For Class 55 Rating, Add	*369.46*	
		For Class 56 Rating, Add	*490.44*	
40 05 19 00-3156	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,177.26	266.11
		For Class 52 Rating, Deduct	*-195.15*	
		For Class 54 Rating, Add	*270.95*	
		For Class 55 Rating, Add	*405.29*	
		For Class 56 Rating, Add	*537.87*	
40 05 19 00-3157	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,341.63	268.81
		For Class 52 Rating, Deduct	*-212.78*	
		For Class 54 Rating, Add	*295.04*	
		For Class 55 Rating, Add	*441.13*	
		For Class 56 Rating, Add	*585.29*	
40 05 19 00-3158	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,505.99	271.54
		For Class 52 Rating, Deduct	*-230.40*	
		For Class 54 Rating, Add	*319.12*	
		For Class 55 Rating, Add	*476.97*	
		For Class 56 Rating, Add	*632.71*	
40 05 19 00-3159	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,670.37	274.25
		For Class 52 Rating, Deduct	*-248.03*	
		For Class 54 Rating, Add	*343.21*	
		For Class 55 Rating, Add	*512.80*	
		For Class 56 Rating, Add	*680.14*	
40 05 19 00-3160	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,834.74	276.96
		For Class 52 Rating, Deduct	*-265.66*	
		For Class 54 Rating, Add	*367.30*	
		For Class 55 Rating, Add	*548.64*	
		For Class 56 Rating, Add	*727.56*	
40 05 19 00-3161	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,999.11	279.68
		For Class 52 Rating, Deduct	*-283.29*	
		For Class 54 Rating, Add	*391.39*	
		For Class 55 Rating, Add	*584.47*	
		For Class 56 Rating, Add	*774.98*	
40 05 19 00-3162	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,163.48	282.40
		For Class 52 Rating, Deduct	*-300.92*	
		For Class 54 Rating, Add	*415.48*	
		For Class 55 Rating, Add	*620.31*	
		For Class 56 Rating, Add	*822.41*	
40 05 19 00-3163	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,327.86	285.12
		For Class 52 Rating, Deduct	*-318.55*	
		For Class 54 Rating, Add	*439.56*	
		For Class 55 Rating, Add	*656.15*	
		For Class 56 Rating, Add	*869.83*	
40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,492.23	287.82
		For Class 52 Rating, Deduct	*-336.17*	
		For Class 54 Rating, Add	*463.65*	
		For Class 55 Rating, Add	*691.98*	
		For Class 56 Rating, Add	*917.26*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,656.60	290.54
		For Class 52 Rating, Deduct	*-353.80*	
		For Class 54 Rating, Add	*487.74*	
		For Class 55 Rating, Add	*727.82*	
		For Class 56 Rating, Add	*964.68*	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,820.97	293.26
		For Class 52 Rating, Deduct	*-371.43*	
		For Class 54 Rating, Add	*511.83*	
		For Class 55 Rating, Add	*763.65*	
		For Class 56 Rating, Add	*1,012.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,985.34	295.97
		For Class 52 Rating, Deduct	*-389.06*	
		For Class 54 Rating, Add	*535.91*	
		For Class 55 Rating, Add	*799.49*	
		For Class 56 Rating, Add	*1,059.53*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,149.71	298.69
		For Class 52 Rating, Deduct	*-406.69*	
		For Class 54 Rating, Add	*560.00*	
		For Class 55 Rating, Add	*835.33*	
		For Class 56 Rating, Add	*1,106.95*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,314.08	301.40
		For Class 52 Rating, Deduct	*-424.32*	
		For Class 54 Rating, Add	*584.09*	
		For Class 55 Rating, Add	*871.16*	
		For Class 56 Rating, Add	*1,154.38*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,478.45	304.12
		For Class 52 Rating, Deduct	*-441.94*	
		For Class 54 Rating, Add	*608.18*	
		For Class 55 Rating, Add	*907.00*	
		For Class 56 Rating, Add	*1,201.80*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,642.82	306.83
		For Class 52 Rating, Deduct	*-459.57*	
		For Class 54 Rating, Add	*632.27*	
		For Class 55 Rating, Add	*942.83*	
		For Class 56 Rating, Add	*1,249.22*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,807.19	309.55
		For Class 52 Rating, Deduct	*-477.20*	
		For Class 54 Rating, Add	*656.36*	
		For Class 55 Rating, Add	*978.67*	
		For Class 56 Rating, Add	*1,296.65*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,971.56	312.27
		For Class 52 Rating, Deduct	*-494.83*	
		For Class 54 Rating, Add	*680.44*	
		For Class 55 Rating, Add	*1,014.51*	
		For Class 56 Rating, Add	*1,344.07*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,135.93	314.99
		For Class 52 Rating, Deduct	*-512.46*	
		For Class 54 Rating, Add	*704.53*	
		For Class 55 Rating, Add	*1,050.34*	
		For Class 56 Rating, Add	*1,391.49*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,300.30	317.69
		For Class 52 Rating, Deduct	*-530.08*	
		For Class 54 Rating, Add	*728.62*	
		For Class 55 Rating, Add	*1,086.18*	
		For Class 56 Rating, Add	*1,438.92*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,464.67	320.41
		For Class 52 Rating, Deduct	*-547.71*	
		For Class 54 Rating, Add	*752.71*	
		For Class 55 Rating, Add	*1,122.01*	
		For Class 56 Rating, Add	*1,486.34*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,629.04	323.13
		For Class 52 Rating, Deduct	*-565.34*	
		For Class 54 Rating, Add	*776.79*	
		For Class 55 Rating, Add	*1,157.85*	
		For Class 56 Rating, Add	*1,533.77*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,793.42	325.84
		For Class 52 Rating, Deduct	*-582.97*	
		For Class 54 Rating, Add	*800.88*	
		For Class 55 Rating, Add	*1,193.69*	
		For Class 56 Rating, Add	*1,581.19*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,957.79	328.56
		For Class 52 Rating, Deduct	*-600.60*	
		For Class 54 Rating, Add	*824.97*	
		For Class 55 Rating, Add	*1,229.52*	
		For Class 56 Rating, Add	*1,628.61*	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,122.16	331.27
		For Class 52 Rating, Deduct	*-618.23*	
		For Class 54 Rating, Add	*849.06*	
		For Class 55 Rating, Add	*1,265.36*	
		For Class 56 Rating, Add	*1,676.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,286.53	334.00
		For Class 52 Rating, Deduct	*-635.85*	
		For Class 54 Rating, Add	*873.15*	
		For Class 55 Rating, Add	*1,301.19*	
		For Class 56 Rating, Add	*1,723.46*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,450.90	336.70
		For Class 52 Rating, Deduct	*-653.48*	
		For Class 54 Rating, Add	*897.23*	
		For Class 55 Rating, Add	*1,337.03*	
		For Class 56 Rating, Add	*1,770.88*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,615.27	339.42
		For Class 52 Rating, Deduct	*-671.11*	
		For Class 54 Rating, Add	*921.32*	
		For Class 55 Rating, Add	*1,372.87*	
		For Class 56 Rating, Add	*1,818.31*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,779.64	342.14
		For Class 52 Rating, Deduct	*-688.74*	
		For Class 54 Rating, Add	*945.41*	
		For Class 55 Rating, Add	*1,408.70*	
		For Class 56 Rating, Add	*1,865.73*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,944.01	344.84
		For Class 52 Rating, Deduct	*-706.37*	
		For Class 54 Rating, Add	*969.50*	
		For Class 55 Rating, Add	*1,444.54*	
		For Class 56 Rating, Add	*1,913.16*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,108.38	347.56
		For Class 52 Rating, Deduct	*-723.99*	
		For Class 54 Rating, Add	*993.58*	
		For Class 55 Rating, Add	*1,480.37*	
		For Class 56 Rating, Add	*1,960.58*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,272.74	350.28
		For Class 52 Rating, Deduct	*-741.62*	
		For Class 54 Rating, Add	*1,017.67*	
		For Class 55 Rating, Add	*1,516.21*	
		For Class 56 Rating, Add	*2,008.00*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,437.12	353.00
		For Class 52 Rating, Deduct	*-759.25*	
		For Class 54 Rating, Add	*1,041.76*	
		For Class 55 Rating, Add	*1,552.04*	
		For Class 56 Rating, Add	*2,055.43*	
40 05 19 00-3189		10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*		
40 05 19 00-3190	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,503.86	304.12
		For Class 52 Rating, Deduct	*-114.74*	
		For Class 54 Rating, Add	*161.99*	
		For Class 55 Rating, Add	*243.66*	
		For Class 56 Rating, Add	*324.29*	
40 05 19 00-3191	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,716.03	306.83
		For Class 52 Rating, Deduct	*-137.62*	
		For Class 54 Rating, Add	*193.25*	
		For Class 55 Rating, Add	*290.16*	
		For Class 56 Rating, Add	*385.82*	
40 05 19 00-3192	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,928.19	309.55
		For Class 52 Rating, Deduct	*-160.51*	
		For Class 54 Rating, Add	*224.51*	
		For Class 55 Rating, Add	*336.65*	
		For Class 56 Rating, Add	*447.34*	
40 05 19 00-3193	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,140.36	312.27
		For Class 52 Rating, Deduct	*-183.40*	
		For Class 54 Rating, Add	*255.76*	
		For Class 55 Rating, Add	*383.15*	
		For Class 56 Rating, Add	*508.87*	
40 05 19 00-3194	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,352.52	314.99
		For Class 52 Rating, Deduct	*-206.28*	
		For Class 54 Rating, Add	*287.02*	
		For Class 55 Rating, Add	*429.64*	
		For Class 56 Rating, Add	*570.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3195	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,564.69	317.69
		For Class 52 Rating, Deduct	*-229.17*	
		For Class 54 Rating, Add	*318.28*	
		For Class 55 Rating, Add	*476.14*	
		For Class 56 Rating, Add	*631.91*	
40 05 19 00-3196	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,776.86	320.41
		For Class 52 Rating, Deduct	*-252.05*	
		For Class 54 Rating, Add	*349.53*	
		For Class 55 Rating, Add	*522.63*	
		For Class 56 Rating, Add	*693.44*	
40 05 19 00-3197	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,989.02	323.13
		For Class 52 Rating, Deduct	*-274.94*	
		For Class 54 Rating, Add	*380.79*	
		For Class 55 Rating, Add	*569.13*	
		For Class 56 Rating, Add	*754.96*	
40 05 19 00-3198	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,201.19	325.84
		For Class 52 Rating, Deduct	*-297.82*	
		For Class 54 Rating, Add	*412.05*	
		For Class 55 Rating, Add	*615.62*	
		For Class 56 Rating, Add	*816.48*	
40 05 19 00-3199	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,413.37	328.56
		For Class 52 Rating, Deduct	*-320.71*	
		For Class 54 Rating, Add	*443.31*	
		For Class 55 Rating, Add	*662.12*	
		For Class 56 Rating, Add	*878.01*	
40 05 19 00-3200	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,625.53	331.27
		For Class 52 Rating, Deduct	*-343.60*	
		For Class 54 Rating, Add	*474.56*	
		For Class 55 Rating, Add	*708.61*	
		For Class 56 Rating, Add	*939.53*	
40 05 19 00-3201	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,837.69	334.00
		For Class 52 Rating, Deduct	*-366.48*	
		For Class 54 Rating, Add	*505.82*	
		For Class 55 Rating, Add	*755.10*	
		For Class 56 Rating, Add	*1,001.05*	
40 05 19 00-3202	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,049.86	336.70
		For Class 52 Rating, Deduct	*-389.37*	
		For Class 54 Rating, Add	*537.08*	
		For Class 55 Rating, Add	*801.60*	
		For Class 56 Rating, Add	*1,062.58*	
40 05 19 00-3203	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,262.03	339.42
		For Class 52 Rating, Deduct	*-412.25*	
		For Class 54 Rating, Add	*568.34*	
		For Class 55 Rating, Add	*848.09*	
		For Class 56 Rating, Add	*1,124.10*	
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,474.19	342.14
		For Class 52 Rating, Deduct	*-435.14*	
		For Class 54 Rating, Add	*599.59*	
		For Class 55 Rating, Add	*894.59*	
		For Class 56 Rating, Add	*1,185.63*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,686.36	344.84
		For Class 52 Rating, Deduct	*-458.02*	
		For Class 54 Rating, Add	*630.85*	
		For Class 55 Rating, Add	*941.08*	
		For Class 56 Rating, Add	*1,247.15*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,898.52	347.56
		For Class 52 Rating, Deduct	*-480.91*	
		For Class 54 Rating, Add	*662.11*	
		For Class 55 Rating, Add	*987.57*	
		For Class 56 Rating, Add	*1,308.67*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,110.69	350.28
		For Class 52 Rating, Deduct	*-503.80*	
		For Class 54 Rating, Add	*693.36*	
		For Class 55 Rating, Add	*1,034.07*	
		For Class 56 Rating, Add	*1,370.20*	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,322.86	353.00
		For Class 52 Rating, Deduct	*-526.68*	
		For Class 54 Rating, Add	*724.62*	
		For Class 55 Rating, Add	*1,080.56*	
		For Class 56 Rating, Add	*1,431.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,535.02	355.71
		For Class 52 Rating, Deduct	*-549.57*	
		For Class 54 Rating, Add	*755.88*	
		For Class 55 Rating, Add	*1,127.06*	
		For Class 56 Rating, Add	*1,493.24*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,747.19	358.42
		For Class 52 Rating, Deduct	*-572.45*	
		For Class 54 Rating, Add	*787.13*	
		For Class 55 Rating, Add	*1,173.55*	
		For Class 56 Rating, Add	*1,554.77*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,959.37	361.15
		For Class 52 Rating, Deduct	*-595.34*	
		For Class 54 Rating, Add	*818.39*	
		For Class 55 Rating, Add	*1,220.05*	
		For Class 56 Rating, Add	*1,616.29*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,171.53	363.85
		For Class 52 Rating, Deduct	*-618.23*	
		For Class 54 Rating, Add	*849.65*	
		For Class 55 Rating, Add	*1,266.54*	
		For Class 56 Rating, Add	*1,677.81*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,383.70	366.57
		For Class 52 Rating, Deduct	*-641.11*	
		For Class 54 Rating, Add	*880.91*	
		For Class 55 Rating, Add	*1,313.04*	
		For Class 56 Rating, Add	*1,739.34*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,595.86	369.29
		For Class 52 Rating, Deduct	*-664.00*	
		For Class 54 Rating, Add	*912.16*	
		For Class 55 Rating, Add	*1,359.53*	
		For Class 56 Rating, Add	*1,800.86*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,808.03	372.00
		For Class 52 Rating, Deduct	*-686.88*	
		For Class 54 Rating, Add	*943.42*	
		For Class 55 Rating, Add	*1,406.03*	
		For Class 56 Rating, Add	*1,862.39*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,020.20	374.72
		For Class 52 Rating, Deduct	*-709.77*	
		For Class 54 Rating, Add	*974.68*	
		For Class 55 Rating, Add	*1,452.52*	
		For Class 56 Rating, Add	*1,923.91*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,232.36	377.43
		For Class 52 Rating, Deduct	*-732.65*	
		For Class 54 Rating, Add	*1,005.94*	
		For Class 55 Rating, Add	*1,499.01*	
		For Class 56 Rating, Add	*1,985.43*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,444.52	380.15
		For Class 52 Rating, Deduct	*-755.54*	
		For Class 54 Rating, Add	*1,037.19*	
		For Class 55 Rating, Add	*1,545.51*	
		For Class 56 Rating, Add	*2,046.95*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,656.70	382.87
		For Class 52 Rating, Deduct	*-778.43*	
		For Class 54 Rating, Add	*1,068.45*	
		For Class 55 Rating, Add	*1,592.00*	
		For Class 56 Rating, Add	*2,108.48*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,868.86	385.57
		For Class 52 Rating, Deduct	*-801.31*	
		For Class 54 Rating, Add	*1,099.71*	
		For Class 55 Rating, Add	*1,638.50*	
		For Class 56 Rating, Add	*2,170.00*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,081.02	388.30
		For Class 52 Rating, Deduct	*-824.20*	
		For Class 54 Rating, Add	*1,130.96*	
		For Class 55 Rating, Add	*1,684.99*	
		For Class 56 Rating, Add	*2,231.53*	
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,293.19	391.02
		For Class 52 Rating, Deduct	*-847.08*	
		For Class 54 Rating, Add	*1,162.22*	
		For Class 55 Rating, Add	*1,731.49*	
		For Class 56 Rating, Add	*2,293.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,505.36	393.72
		For Class 52 Rating, Deduct	*-869.97*	
		For Class 54 Rating, Add	*1,193.48*	
		For Class 55 Rating, Add	*1,777.98*	
		For Class 56 Rating, Add	*2,354.57*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,717.52	396.44
		For Class 52 Rating, Deduct	*-892.85*	
		For Class 54 Rating, Add	*1,224.74*	
		For Class 55 Rating, Add	*1,824.48*	
		For Class 56 Rating, Add	*2,416.10*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,929.69	399.15
		For Class 52 Rating, Deduct	*-915.74*	
		For Class 54 Rating, Add	*1,255.99*	
		For Class 55 Rating, Add	*1,870.97*	
		For Class 56 Rating, Add	*2,477.62*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,141.86	401.88
		For Class 52 Rating, Deduct	*-938.63*	
		For Class 54 Rating, Add	*1,287.25*	
		For Class 55 Rating, Add	*1,917.46*	
		For Class 56 Rating, Add	*2,539.14*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,354.03	404.58
		For Class 52 Rating, Deduct	*-961.51*	
		For Class 54 Rating, Add	*1,318.51*	
		For Class 55 Rating, Add	*1,963.96*	
		For Class 56 Rating, Add	*2,600.67*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,566.20	407.30
		For Class 52 Rating, Deduct	*-984.40*	
		For Class 54 Rating, Add	*1,349.77*	
		For Class 55 Rating, Add	*2,010.45*	
		For Class 56 Rating, Add	*2,662.19*	

40 05 19 00-3229 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3230	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,953.62	380.15
		For Class 52 Rating, Deduct	*-151.54*	
		For Class 54 Rating, Add	*213.56*	
		For Class 55 Rating, Add	*321.04*	
		For Class 56 Rating, Add	*427.14*	
40 05 19 00-3231	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,216.40	382.87
		For Class 52 Rating, Deduct	*-179.99*	
		For Class 54 Rating, Add	*252.41*	
		For Class 55 Rating, Add	*378.82*	
		For Class 56 Rating, Add	*503.59*	
40 05 19 00-3232	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,479.17	385.57
		For Class 52 Rating, Deduct	*-208.45*	
		For Class 54 Rating, Add	*291.25*	
		For Class 55 Rating, Add	*436.60*	
		For Class 56 Rating, Add	*580.04*	
40 05 19 00-3233	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,741.94	388.30
		For Class 52 Rating, Deduct	*-236.90*	
		For Class 54 Rating, Add	*330.10*	
		For Class 55 Rating, Add	*494.38*	
		For Class 56 Rating, Add	*656.50*	
40 05 19 00-3234	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,004.72	391.02
		For Class 52 Rating, Deduct	*-265.35*	
		For Class 54 Rating, Add	*368.95*	
		For Class 55 Rating, Add	*552.16*	
		For Class 56 Rating, Add	*732.95*	
40 05 19 00-3235	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,267.49	393.72
		For Class 52 Rating, Deduct	*-293.80*	
		For Class 54 Rating, Add	*407.80*	
		For Class 55 Rating, Add	*609.94*	
		For Class 56 Rating, Add	*809.40*	
40 05 19 00-3236	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,530.26	396.44
		For Class 52 Rating, Deduct	*-322.26*	
		For Class 54 Rating, Add	*446.65*	
		For Class 55 Rating, Add	*667.72*	
		For Class 56 Rating, Add	*885.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3237	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,793.04	399.15
		For Class 52 Rating, Deduct	*-350.71*	
		For Class 54 Rating, Add	*485.50*	
		For Class 55 Rating, Add	*725.50*	
		For Class 56 Rating, Add	*962.31*	
40 05 19 00-3238	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,055.82	401.88
		For Class 52 Rating, Deduct	*-379.16*	
		For Class 54 Rating, Add	*524.34*	
		For Class 55 Rating, Add	*783.28*	
		For Class 56 Rating, Add	*1,038.76*	
40 05 19 00-3239	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,318.59	404.58
		For Class 52 Rating, Deduct	*-407.61*	
		For Class 54 Rating, Add	*563.19*	
		For Class 55 Rating, Add	*841.06*	
		For Class 56 Rating, Add	*1,115.21*	
40 05 19 00-3240	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,581.37	407.30
		For Class 52 Rating, Deduct	*-436.07*	
		For Class 54 Rating, Add	*602.04*	
		For Class 55 Rating, Add	*898.84*	
		For Class 56 Rating, Add	*1,191.67*	
40 05 19 00-3241	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,844.14	410.02
		For Class 52 Rating, Deduct	*-464.52*	
		For Class 54 Rating, Add	*640.89*	
		For Class 55 Rating, Add	*956.62*	
		For Class 56 Rating, Add	*1,268.12*	
40 05 19 00-3242	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,106.91	412.72
		For Class 52 Rating, Deduct	*-492.97*	
		For Class 54 Rating, Add	*679.74*	
		For Class 55 Rating, Add	*1,014.40*	
		For Class 56 Rating, Add	*1,344.57*	
40 05 19 00-3243	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,369.69	415.45
		For Class 52 Rating, Deduct	*-521.42*	
		For Class 54 Rating, Add	*718.59*	
		For Class 55 Rating, Add	*1,072.18*	
		For Class 56 Rating, Add	*1,421.03*	
40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,632.46	418.17
		For Class 52 Rating, Deduct	*-549.88*	
		For Class 54 Rating, Add	*757.43*	
		For Class 55 Rating, Add	*1,129.96*	
		For Class 56 Rating, Add	*1,497.48*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,895.23	420.88
		For Class 52 Rating, Deduct	*-578.33*	
		For Class 54 Rating, Add	*796.28*	
		For Class 55 Rating, Add	*1,187.74*	
		For Class 56 Rating, Add	*1,573.93*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,158.01	423.59
		For Class 52 Rating, Deduct	*-606.78*	
		For Class 54 Rating, Add	*835.13*	
		For Class 55 Rating, Add	*1,245.52*	
		For Class 56 Rating, Add	*1,650.38*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,420.78	426.31
		For Class 52 Rating, Deduct	*-635.23*	
		For Class 54 Rating, Add	*873.98*	
		For Class 55 Rating, Add	*1,303.30*	
		For Class 56 Rating, Add	*1,726.84*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,683.55	429.03
		For Class 52 Rating, Deduct	*-663.69*	
		For Class 54 Rating, Add	*912.83*	
		For Class 55 Rating, Add	*1,361.08*	
		For Class 56 Rating, Add	*1,803.29*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,946.33	431.74
		For Class 52 Rating, Deduct	*-692.14*	
		For Class 54 Rating, Add	*951.68*	
		For Class 55 Rating, Add	*1,418.86*	
		For Class 56 Rating, Add	*1,879.74*	
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,209.10	434.45
		For Class 52 Rating, Deduct	*-720.59*	
		For Class 54 Rating, Add	*990.53*	
		For Class 55 Rating, Add	*1,476.64*	
		For Class 56 Rating, Add	*1,956.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,471.89	437.17
		For Class 52 Rating, Deduct	*-749.05*	
		For Class 54 Rating, Add	*1,029.37*	
		For Class 55 Rating, Add	*1,534.42*	
		For Class 56 Rating, Add	*2,032.65*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,734.66	439.89
		For Class 52 Rating, Deduct	*-777.50*	
		For Class 54 Rating, Add	*1,068.22*	
		For Class 55 Rating, Add	*1,592.20*	
		For Class 56 Rating, Add	*2,109.10*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,997.43	442.60
		For Class 52 Rating, Deduct	*-805.95*	
		For Class 54 Rating, Add	*1,107.07*	
		For Class 55 Rating, Add	*1,649.98*	
		For Class 56 Rating, Add	*2,185.55*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,260.21	445.32
		For Class 52 Rating, Deduct	*-834.40*	
		For Class 54 Rating, Add	*1,145.92*	
		For Class 55 Rating, Add	*1,707.76*	
		For Class 56 Rating, Add	*2,262.01*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,522.98	448.03
		For Class 52 Rating, Deduct	*-862.86*	
		For Class 54 Rating, Add	*1,184.77*	
		For Class 55 Rating, Add	*1,765.54*	
		For Class 56 Rating, Add	*2,338.46*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,785.75	450.75
		For Class 52 Rating, Deduct	*-891.31*	
		For Class 54 Rating, Add	*1,223.62*	
		For Class 55 Rating, Add	*1,823.32*	
		For Class 56 Rating, Add	*2,414.91*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,048.53	453.46
		For Class 52 Rating, Deduct	*-919.76*	
		For Class 54 Rating, Add	*1,262.46*	
		For Class 55 Rating, Add	*1,881.10*	
		For Class 56 Rating, Add	*2,491.37*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,311.30	456.18
		For Class 52 Rating, Deduct	*-948.21*	
		For Class 54 Rating, Add	*1,301.31*	
		For Class 55 Rating, Add	*1,938.88*	
		For Class 56 Rating, Add	*2,567.82*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,574.07	458.90
		For Class 52 Rating, Deduct	*-976.67*	
		For Class 54 Rating, Add	*1,340.16*	
		For Class 55 Rating, Add	*1,996.65*	
		For Class 56 Rating, Add	*2,644.27*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,836.85	461.60
		For Class 52 Rating, Deduct	*-1,005.12*	
		For Class 54 Rating, Add	*1,379.01*	
		For Class 55 Rating, Add	*2,054.43*	
		For Class 56 Rating, Add	*2,720.72*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,099.62	464.32
		For Class 52 Rating, Deduct	*-1,033.57*	
		For Class 54 Rating, Add	*1,417.86*	
		For Class 55 Rating, Add	*2,112.21*	
		For Class 56 Rating, Add	*2,797.18*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,362.39	467.05
		For Class 52 Rating, Deduct	*-1,062.02*	
		For Class 54 Rating, Add	*1,456.71*	
		For Class 55 Rating, Add	*2,169.99*	
		For Class 56 Rating, Add	*2,873.63*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,625.17	469.76
		For Class 52 Rating, Deduct	*-1,090.48*	
		For Class 54 Rating, Add	*1,495.55*	
		For Class 55 Rating, Add	*2,227.77*	
		For Class 56 Rating, Add	*2,950.08*	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,887.94	472.47
		For Class 52 Rating, Deduct	*-1,118.93*	
		For Class 54 Rating, Add	*1,534.40*	
		For Class 55 Rating, Add	*2,285.55*	
		For Class 56 Rating, Add	*3,026.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,150.71	475.18
		For Class 52 Rating, Deduct	*-1,147.38*	
		For Class 54 Rating, Add	*1,573.25*	
		For Class 55 Rating, Add	*2,343.33*	
		For Class 56 Rating, Add	*3,102.99*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,413.50	477.90
		For Class 52 Rating, Deduct	*-1,175.83*	
		For Class 54 Rating, Add	*1,612.10*	
		For Class 55 Rating, Add	*2,401.11*	
		For Class 56 Rating, Add	*3,179.44*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,676.27	480.61
		For Class 52 Rating, Deduct	*-1,204.29*	
		For Class 54 Rating, Add	*1,650.95*	
		For Class 55 Rating, Add	*2,458.89*	
		For Class 56 Rating, Add	*3,255.89*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,939.04	483.33
		For Class 52 Rating, Deduct	*-1,232.74*	
		For Class 54 Rating, Add	*1,689.80*	
		For Class 55 Rating, Add	*2,516.67*	
		For Class 56 Rating, Add	*3,332.35*	
40 05 19 00-3269		14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*		
40 05 19 00-3270	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,633.94	456.18
		For Class 52 Rating, Deduct	*-213.70*	
		For Class 54 Rating, Add	*299.71*	
		For Class 55 Rating, Add	*449.82*	
		For Class 56 Rating, Add	*598.00*	
40 05 19 00-3271	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,952.94	458.90
		For Class 52 Rating, Deduct	*-248.34*	
		For Class 54 Rating, Add	*346.99*	
		For Class 55 Rating, Add	*520.14*	
		For Class 56 Rating, Add	*691.04*	
40 05 19 00-3272	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,271.95	461.60
		For Class 52 Rating, Deduct	*-282.98*	
		For Class 54 Rating, Add	*394.27*	
		For Class 55 Rating, Add	*590.46*	
		For Class 56 Rating, Add	*784.08*	
40 05 19 00-3273	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,590.95	464.32
		For Class 52 Rating, Deduct	*-317.62*	
		For Class 54 Rating, Add	*441.56*	
		For Class 55 Rating, Add	*660.78*	
		For Class 56 Rating, Add	*877.12*	
40 05 19 00-3274	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,909.95	467.05
		For Class 52 Rating, Deduct	*-352.26*	
		For Class 54 Rating, Add	*488.84*	
		For Class 55 Rating, Add	*731.10*	
		For Class 56 Rating, Add	*970.16*	
40 05 19 00-3275	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,228.96	469.76
		For Class 52 Rating, Deduct	*-386.89*	
		For Class 54 Rating, Add	*536.12*	
		For Class 55 Rating, Add	*801.42*	
		For Class 56 Rating, Add	*1,063.20*	
40 05 19 00-3276	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,547.96	472.47
		For Class 52 Rating, Deduct	*-421.53*	
		For Class 54 Rating, Add	*583.41*	
		For Class 55 Rating, Add	*871.74*	
		For Class 56 Rating, Add	*1,156.24*	
40 05 19 00-3277	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,866.96	475.18
		For Class 52 Rating, Deduct	*-456.17*	
		For Class 54 Rating, Add	*630.69*	
		For Class 55 Rating, Add	*942.06*	
		For Class 56 Rating, Add	*1,249.28*	
40 05 19 00-3278	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,185.98	477.90
		For Class 52 Rating, Deduct	*-490.81*	
		For Class 54 Rating, Add	*677.97*	
		For Class 55 Rating, Add	*1,012.38*	
		For Class 56 Rating, Add	*1,342.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3279	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,504.98	480.61
		For Class 52 Rating, Deduct	*-525.44*	
		For Class 54 Rating, Add	*725.25*	
		For Class 55 Rating, Add	*1,082.70*	
		For Class 56 Rating, Add	*1,435.36*	
40 05 19 00-3280	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,823.98	483.33
		For Class 52 Rating, Deduct	*-560.08*	
		For Class 54 Rating, Add	*772.54*	
		For Class 55 Rating, Add	*1,153.02*	
		For Class 56 Rating, Add	*1,528.40*	
40 05 19 00-3281	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,142.99	486.05
		For Class 52 Rating, Deduct	*-594.72*	
		For Class 54 Rating, Add	*819.82*	
		For Class 55 Rating, Add	*1,223.34*	
		For Class 56 Rating, Add	*1,621.44*	
40 05 19 00-3282	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,461.99	488.76
		For Class 52 Rating, Deduct	*-629.36*	
		For Class 54 Rating, Add	*867.10*	
		For Class 55 Rating, Add	*1,293.65*	
		For Class 56 Rating, Add	*1,714.48*	
40 05 19 00-3283	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,780.99	491.47
		For Class 52 Rating, Deduct	*-664.00*	
		For Class 54 Rating, Add	*914.39*	
		For Class 55 Rating, Add	*1,363.97*	
		For Class 56 Rating, Add	*1,807.53*	
40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,100.00	494.20
		For Class 52 Rating, Deduct	*-698.63*	
		For Class 54 Rating, Add	*961.67*	
		For Class 55 Rating, Add	*1,434.29*	
		For Class 56 Rating, Add	*1,900.57*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,419.00	496.91
		For Class 52 Rating, Deduct	*-733.27*	
		For Class 54 Rating, Add	*1,008.95*	
		For Class 55 Rating, Add	*1,504.61*	
		For Class 56 Rating, Add	*1,993.61*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,738.00	499.62
		For Class 52 Rating, Deduct	*-767.91*	
		For Class 54 Rating, Add	*1,056.23*	
		For Class 55 Rating, Add	*1,574.93*	
		For Class 56 Rating, Add	*2,086.65*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,057.01	502.33
		For Class 52 Rating, Deduct	*-802.55*	
		For Class 54 Rating, Add	*1,103.52*	
		For Class 55 Rating, Add	*1,645.25*	
		For Class 56 Rating, Add	*2,179.69*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,376.01	505.06
		For Class 52 Rating, Deduct	*-837.19*	
		For Class 54 Rating, Add	*1,150.80*	
		For Class 55 Rating, Add	*1,715.57*	
		For Class 56 Rating, Add	*2,272.73*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,695.01	507.78
		For Class 52 Rating, Deduct	*-871.82*	
		For Class 54 Rating, Add	*1,198.08*	
		For Class 55 Rating, Add	*1,785.89*	
		For Class 56 Rating, Add	*2,365.77*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,014.03	510.48
		For Class 52 Rating, Deduct	*-906.46*	
		For Class 54 Rating, Add	*1,245.37*	
		For Class 55 Rating, Add	*1,856.21*	
		For Class 56 Rating, Add	*2,458.81*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,333.04	513.20
		For Class 52 Rating, Deduct	*-941.10*	
		For Class 54 Rating, Add	*1,292.65*	
		For Class 55 Rating, Add	*1,926.53*	
		For Class 56 Rating, Add	*2,551.85*	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,652.05	515.91
		For Class 52 Rating, Deduct	*-975.74*	
		For Class 54 Rating, Add	*1,339.93*	
		For Class 55 Rating, Add	*1,996.85*	
		For Class 56 Rating, Add	*2,644.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,971.05	518.64
		For Class 52 Rating, Deduct	*-1,010.38*	
		For Class 54 Rating, Add	*1,387.22*	
		For Class 55 Rating, Add	*2,067.17*	
		For Class 56 Rating, Add	*2,737.93*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,290.05	521.35
		For Class 52 Rating, Deduct	*-1,045.01*	
		For Class 54 Rating, Add	*1,434.50*	
		For Class 55 Rating, Add	*2,137.49*	
		For Class 56 Rating, Add	*2,830.98*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,609.06	524.06
		For Class 52 Rating, Deduct	*-1,079.65*	
		For Class 54 Rating, Add	*1,481.78*	
		For Class 55 Rating, Add	*2,207.81*	
		For Class 56 Rating, Add	*2,924.02*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,928.06	526.78
		For Class 52 Rating, Deduct	*-1,114.29*	
		For Class 54 Rating, Add	*1,529.06*	
		For Class 55 Rating, Add	*2,278.13*	
		For Class 56 Rating, Add	*3,017.06*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,247.06	529.48
		For Class 52 Rating, Deduct	*-1,148.93*	
		For Class 54 Rating, Add	*1,576.35*	
		For Class 55 Rating, Add	*2,348.44*	
		For Class 56 Rating, Add	*3,110.10*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,566.07	532.21
		For Class 52 Rating, Deduct	*-1,183.57*	
		For Class 54 Rating, Add	*1,623.63*	
		For Class 55 Rating, Add	*2,418.76*	
		For Class 56 Rating, Add	*3,203.14*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,885.07	534.93
		For Class 52 Rating, Deduct	*-1,218.20*	
		For Class 54 Rating, Add	*1,670.91*	
		For Class 55 Rating, Add	*2,489.08*	
		For Class 56 Rating, Add	*3,296.18*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,204.07	537.64
		For Class 52 Rating, Deduct	*-1,252.84*	
		For Class 54 Rating, Add	*1,718.20*	
		For Class 55 Rating, Add	*2,559.40*	
		For Class 56 Rating, Add	*3,389.22*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,523.08	540.35
		For Class 52 Rating, Deduct	*-1,287.48*	
		For Class 54 Rating, Add	*1,765.48*	
		For Class 55 Rating, Add	*2,629.72*	
		For Class 56 Rating, Add	*3,482.26*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,842.08	543.07
		For Class 52 Rating, Deduct	*-1,322.12*	
		For Class 54 Rating, Add	*1,812.76*	
		For Class 55 Rating, Add	*2,700.04*	
		For Class 56 Rating, Add	*3,575.30*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,161.08	545.79
		For Class 52 Rating, Deduct	*-1,356.76*	
		For Class 54 Rating, Add	*1,860.04*	
		For Class 55 Rating, Add	*2,770.36*	
		For Class 56 Rating, Add	*3,668.34*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,480.09	548.50
		For Class 52 Rating, Deduct	*-1,391.39*	
		For Class 54 Rating, Add	*1,907.33*	
		For Class 55 Rating, Add	*2,840.68*	
		For Class 56 Rating, Add	*3,761.38*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,799.09	551.21
		For Class 52 Rating, Deduct	*-1,426.03*	
		For Class 54 Rating, Add	*1,954.61*	
		For Class 55 Rating, Add	*2,911.00*	
		For Class 56 Rating, Add	*3,854.42*	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,118.10	553.93
		For Class 52 Rating, Deduct	*-1,460.67*	
		For Class 54 Rating, Add	*2,001.89*	
		For Class 55 Rating, Add	*2,981.32*	
		For Class 56 Rating, Add	*3,947.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,437.11	556.65
		For Class 52 Rating, Deduct	*-1,495.31*	
		For Class 54 Rating, Add	*2,049.18*	
		For Class 55 Rating, Add	*3,051.64*	
		For Class 56 Rating, Add	*4,040.50*	
40 05 19 00-3308		16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*		
40 05 19 00-3309	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,081.31	521.35
		For Class 52 Rating, Deduct	*-252.05*	
		For Class 54 Rating, Add	*353.19*	
		For Class 55 Rating, Add	*529.94*	
		For Class 56 Rating, Add	*704.40*	
40 05 19 00-3310	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,450.93	524.06
		For Class 52 Rating, Deduct	*-292.26*	
		For Class 54 Rating, Add	*408.06*	
		For Class 55 Rating, Add	*611.54*	
		For Class 56 Rating, Add	*812.37*	
40 05 19 00-3311	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,820.53	526.78
		For Class 52 Rating, Deduct	*-332.46*	
		For Class 54 Rating, Add	*462.93*	
		For Class 55 Rating, Add	*693.15*	
		For Class 56 Rating, Add	*920.34*	
40 05 19 00-3312	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,190.14	529.48
		For Class 52 Rating, Deduct	*-372.67*	
		For Class 54 Rating, Add	*517.81*	
		For Class 55 Rating, Add	*774.75*	
		For Class 56 Rating, Add	*1,028.31*	
40 05 19 00-3313	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,559.76	532.21
		For Class 52 Rating, Deduct	*-412.87*	
		For Class 54 Rating, Add	*572.68*	
		For Class 55 Rating, Add	*856.36*	
		For Class 56 Rating, Add	*1,136.28*	
40 05 19 00-3314	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,929.37	534.93
		For Class 52 Rating, Deduct	*-453.08*	
		For Class 54 Rating, Add	*627.56*	
		For Class 55 Rating, Add	*937.96*	
		For Class 56 Rating, Add	*1,244.25*	
40 05 19 00-3315	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,298.97	537.64
		For Class 52 Rating, Deduct	*-493.28*	
		For Class 54 Rating, Add	*682.43*	
		For Class 55 Rating, Add	*1,019.56*	
		For Class 56 Rating, Add	*1,352.21*	
40 05 19 00-3316	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,668.59	540.35
		For Class 52 Rating, Deduct	*-533.49*	
		For Class 54 Rating, Add	*737.31*	
		For Class 55 Rating, Add	*1,101.17*	
		For Class 56 Rating, Add	*1,460.19*	
40 05 19 00-3317	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,038.20	543.07
		For Class 52 Rating, Deduct	*-573.69*	
		For Class 54 Rating, Add	*792.18*	
		For Class 55 Rating, Add	*1,182.78*	
		For Class 56 Rating, Add	*1,568.16*	
40 05 19 00-3318	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,407.81	545.79
		For Class 52 Rating, Deduct	*-613.90*	
		For Class 54 Rating, Add	*847.05*	
		For Class 55 Rating, Add	*1,264.38*	
		For Class 56 Rating, Add	*1,676.13*	
40 05 19 00-3319	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,777.42	548.50
		For Class 52 Rating, Deduct	*-654.10*	
		For Class 54 Rating, Add	*901.93*	
		For Class 55 Rating, Add	*1,345.98*	
		For Class 56 Rating, Add	*1,784.09*	
40 05 19 00-3320	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,147.03	551.21
		For Class 52 Rating, Deduct	*-694.30*	
		For Class 54 Rating, Add	*956.80*	
		For Class 55 Rating, Add	*1,427.59*	
		For Class 56 Rating, Add	*1,892.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3321	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,516.65	553.93
		For Class 52 Rating, Deduct	*-734.51*	
		For Class 54 Rating, Add	*1,011.68*	
		For Class 55 Rating, Add	*1,509.19*	
		For Class 56 Rating, Add	*2,000.04*	
40 05 19 00-3322	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,886.27	556.65
		For Class 52 Rating, Deduct	*-774.71*	
		For Class 54 Rating, Add	*1,066.55*	
		For Class 55 Rating, Add	*1,590.80*	
		For Class 56 Rating, Add	*2,108.01*	
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,255.88	559.36
		For Class 52 Rating, Deduct	*-814.92*	
		For Class 54 Rating, Add	*1,121.42*	
		For Class 55 Rating, Add	*1,672.40*	
		For Class 56 Rating, Add	*2,215.98*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,625.48	562.08
		For Class 52 Rating, Deduct	*-855.12*	
		For Class 54 Rating, Add	*1,176.30*	
		For Class 55 Rating, Add	*1,754.01*	
		For Class 56 Rating, Add	*2,323.94*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,995.10	564.79
		For Class 52 Rating, Deduct	*-895.33*	
		For Class 54 Rating, Add	*1,231.17*	
		For Class 55 Rating, Add	*1,835.61*	
		For Class 56 Rating, Add	*2,431.92*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,364.71	567.50
		For Class 52 Rating, Deduct	*-935.53*	
		For Class 54 Rating, Add	*1,286.05*	
		For Class 55 Rating, Add	*1,917.22*	
		For Class 56 Rating, Add	*2,539.89*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,734.32	570.22
		For Class 52 Rating, Deduct	*-975.74*	
		For Class 54 Rating, Add	*1,340.92*	
		For Class 55 Rating, Add	*1,998.82*	
		For Class 56 Rating, Add	*2,647.86*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,103.93	572.94
		For Class 52 Rating, Deduct	*-1,015.94*	
		For Class 54 Rating, Add	*1,395.79*	
		For Class 55 Rating, Add	*2,080.43*	
		For Class 56 Rating, Add	*2,755.82*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,473.54	575.66
		For Class 52 Rating, Deduct	*-1,056.15*	
		For Class 54 Rating, Add	*1,450.67*	
		For Class 55 Rating, Add	*2,162.03*	
		For Class 56 Rating, Add	*2,863.79*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,843.15	578.36
		For Class 52 Rating, Deduct	*-1,096.35*	
		For Class 54 Rating, Add	*1,505.54*	
		For Class 55 Rating, Add	*2,243.64*	
		For Class 56 Rating, Add	*2,971.76*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,212.77	581.08
		For Class 52 Rating, Deduct	*-1,136.56*	
		For Class 54 Rating, Add	*1,560.42*	
		For Class 55 Rating, Add	*2,325.24*	
		For Class 56 Rating, Add	*3,079.74*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,582.37	583.81
		For Class 52 Rating, Deduct	*-1,176.76*	
		For Class 54 Rating, Add	*1,615.29*	
		For Class 55 Rating, Add	*2,406.85*	
		For Class 56 Rating, Add	*3,187.70*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,951.98	586.52
		For Class 52 Rating, Deduct	*-1,216.97*	
		For Class 54 Rating, Add	*1,670.16*	
		For Class 55 Rating, Add	*2,488.45*	
		For Class 56 Rating, Add	*3,295.67*	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,321.61	589.23
		For Class 52 Rating, Deduct	*-1,257.17*	
		For Class 54 Rating, Add	*1,725.04*	
		For Class 55 Rating, Add	*2,570.06*	
		For Class 56 Rating, Add	*3,403.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,691.22	591.94
		For Class 52 Rating, Deduct	*-1,297.38*	
		For Class 54 Rating, Add	*1,779.91*	
		For Class 55 Rating, Add	*2,651.66*	
		For Class 56 Rating, Add	*3,511.62*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,060.83	594.66
		For Class 52 Rating, Deduct	*-1,337.58*	
		For Class 54 Rating, Add	*1,834.79*	
		For Class 55 Rating, Add	*2,733.26*	
		For Class 56 Rating, Add	*3,619.58*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,430.44	597.38
		For Class 52 Rating, Deduct	*-1,377.79*	
		For Class 54 Rating, Add	*1,889.66*	
		For Class 55 Rating, Add	*2,814.87*	
		For Class 56 Rating, Add	*3,727.55*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,800.05	600.09
		For Class 52 Rating, Deduct	*-1,417.99*	
		For Class 54 Rating, Add	*1,944.53*	
		For Class 55 Rating, Add	*2,896.47*	
		For Class 56 Rating, Add	*3,835.52*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,169.67	602.81
		For Class 52 Rating, Deduct	*-1,458.20*	
		For Class 54 Rating, Add	*1,999.41*	
		For Class 55 Rating, Add	*2,978.08*	
		For Class 56 Rating, Add	*3,943.50*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,539.27	605.53
		For Class 52 Rating, Deduct	*-1,498.40*	
		For Class 54 Rating, Add	*2,054.28*	
		For Class 55 Rating, Add	*3,059.68*	
		For Class 56 Rating, Add	*4,051.46*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,908.88	608.23
		For Class 52 Rating, Deduct	*-1,538.60*	
		For Class 54 Rating, Add	*2,109.16*	
		For Class 55 Rating, Add	*3,141.29*	
		For Class 56 Rating, Add	*4,159.43*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,278.50	610.96
		For Class 52 Rating, Deduct	*-1,578.81*	
		For Class 54 Rating, Add	*2,164.03*	
		For Class 55 Rating, Add	*3,222.89*	
		For Class 56 Rating, Add	*4,267.40*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,648.11	613.67
		For Class 52 Rating, Deduct	*-1,619.01*	
		For Class 54 Rating, Add	*2,218.90*	
		For Class 55 Rating, Add	*3,304.50*	
		For Class 56 Rating, Add	*4,375.37*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,017.71	616.38
		For Class 52 Rating, Deduct	*-1,659.22*	
		For Class 54 Rating, Add	*2,273.78*	
		For Class 55 Rating, Add	*3,386.10*	
		For Class 56 Rating, Add	*4,483.34*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,387.33	619.10
		For Class 52 Rating, Deduct	*-1,699.42*	
		For Class 54 Rating, Add	*2,328.65*	
		For Class 55 Rating, Add	*3,467.71*	
		For Class 56 Rating, Add	*4,591.31*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,756.94	621.81
		For Class 52 Rating, Deduct	*-1,739.63*	
		For Class 54 Rating, Add	*2,383.53*	
		For Class 55 Rating, Add	*3,549.31*	
		For Class 56 Rating, Add	*4,699.28*	

40 05 19 00-3347 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3348	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,575.31	587.61
		For Class 52 Rating, Deduct	*-295.35*	
		For Class 54 Rating, Add	*413.43*	
		For Class 55 Rating, Add	*620.12*	
		For Class 56 Rating, Add	*824.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3349	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,001.15	590.32
		For Class 52 Rating, Deduct	*-341.74*	
		For Class 54 Rating, Add	*476.74*	
		For Class 55 Rating, Add	*714.27*	
		For Class 56 Rating, Add	*948.68*	
40 05 19 00-3350	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,427.00	593.03
		For Class 52 Rating, Deduct	*-388.13*	
		For Class 54 Rating, Add	*540.05*	
		For Class 55 Rating, Add	*808.41*	
		For Class 56 Rating, Add	*1,073.24*	
40 05 19 00-3351	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,852.84	595.74
		For Class 52 Rating, Deduct	*-434.52*	
		For Class 54 Rating, Add	*603.36*	
		For Class 55 Rating, Add	*902.56*	
		For Class 56 Rating, Add	*1,197.80*	
40 05 19 00-3352	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,278.67	598.46
		For Class 52 Rating, Deduct	*-480.91*	
		For Class 54 Rating, Add	*666.67*	
		For Class 55 Rating, Add	*996.70*	
		For Class 56 Rating, Add	*1,322.36*	
40 05 19 00-3353	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,704.52	601.18
		For Class 52 Rating, Deduct	*-527.30*	
		For Class 54 Rating, Add	*729.98*	
		For Class 55 Rating, Add	*1,090.84*	
		For Class 56 Rating, Add	*1,446.92*	
40 05 19 00-3354	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,130.36	603.89
		For Class 52 Rating, Deduct	*-573.69*	
		For Class 54 Rating, Add	*793.29*	
		For Class 55 Rating, Add	*1,184.99*	
		For Class 56 Rating, Add	*1,571.47*	
40 05 19 00-3355	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,556.20	606.61
		For Class 52 Rating, Deduct	*-620.08*	
		For Class 54 Rating, Add	*856.59*	
		For Class 55 Rating, Add	*1,279.13*	
		For Class 56 Rating, Add	*1,696.03*	
40 05 19 00-3356	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,982.05	609.33
		For Class 52 Rating, Deduct	*-666.47*	
		For Class 54 Rating, Add	*919.90*	
		For Class 55 Rating, Add	*1,373.28*	
		For Class 56 Rating, Add	*1,820.59*	
40 05 19 00-3357	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,407.89	612.03
		For Class 52 Rating, Deduct	*-712.86*	
		For Class 54 Rating, Add	*983.21*	
		For Class 55 Rating, Add	*1,467.42*	
		For Class 56 Rating, Add	*1,945.15*	
40 05 19 00-3358	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,833.73	614.76
		For Class 52 Rating, Deduct	*-759.25*	
		For Class 54 Rating, Add	*1,046.52*	
		For Class 55 Rating, Add	*1,561.56*	
		For Class 56 Rating, Add	*2,069.70*	
40 05 19 00-3359	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,259.58	617.47
		For Class 52 Rating, Deduct	*-805.64*	
		For Class 54 Rating, Add	*1,109.83*	
		For Class 55 Rating, Add	*1,655.71*	
		For Class 56 Rating, Add	*2,194.26*	
40 05 19 00-3360	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,685.42	620.18
		For Class 52 Rating, Deduct	*-852.03*	
		For Class 54 Rating, Add	*1,173.14*	
		For Class 55 Rating, Add	*1,749.85*	
		For Class 56 Rating, Add	*2,318.82*	
40 05 19 00-3361	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,111.26	622.90
		For Class 52 Rating, Deduct	*-898.42*	
		For Class 54 Rating, Add	*1,236.45*	
		For Class 55 Rating, Add	*1,844.00*	
		For Class 56 Rating, Add	*2,443.38*	
40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,537.10	625.62
		For Class 52 Rating, Deduct	*-944.81*	
		For Class 54 Rating, Add	*1,299.75*	
		For Class 55 Rating, Add	*1,938.14*	
		For Class 56 Rating, Add	*2,567.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,962.94	628.34
		For Class 52 Rating, Deduct	*-991.20*	
		For Class 54 Rating, Add	*1,363.06*	
		For Class 55 Rating, Add	*2,032.28*	
		For Class 56 Rating, Add	*2,692.49*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,388.78	631.04
		For Class 52 Rating, Deduct	*-1,037.59*	
		For Class 54 Rating, Add	*1,426.37*	
		For Class 55 Rating, Add	*2,126.43*	
		For Class 56 Rating, Add	*2,817.05*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,814.63	633.76
		For Class 52 Rating, Deduct	*-1,083.98*	
		For Class 54 Rating, Add	*1,489.68*	
		For Class 55 Rating, Add	*2,220.57*	
		For Class 56 Rating, Add	*2,941.61*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,240.47	636.48
		For Class 52 Rating, Deduct	*-1,130.37*	
		For Class 54 Rating, Add	*1,552.99*	
		For Class 55 Rating, Add	*2,314.72*	
		For Class 56 Rating, Add	*3,066.17*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,666.30	639.19
		For Class 52 Rating, Deduct	*-1,176.76*	
		For Class 54 Rating, Add	*1,616.30*	
		For Class 55 Rating, Add	*2,408.86*	
		For Class 56 Rating, Add	*3,190.72*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,092.15	641.91
		For Class 52 Rating, Deduct	*-1,223.15*	
		For Class 54 Rating, Add	*1,679.61*	
		For Class 55 Rating, Add	*2,503.00*	
		For Class 56 Rating, Add	*3,315.28*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,517.99	644.62
		For Class 52 Rating, Deduct	*-1,269.54*	
		For Class 54 Rating, Add	*1,742.91*	
		For Class 55 Rating, Add	*2,597.15*	
		For Class 56 Rating, Add	*3,439.84*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,943.83	647.34
		For Class 52 Rating, Deduct	*-1,315.93*	
		For Class 54 Rating, Add	*1,806.22*	
		For Class 55 Rating, Add	*2,691.29*	
		For Class 56 Rating, Add	*3,564.40*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,369.69	650.05
		For Class 52 Rating, Deduct	*-1,362.32*	
		For Class 54 Rating, Add	*1,869.53*	
		For Class 55 Rating, Add	*2,785.44*	
		For Class 56 Rating, Add	*3,688.96*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,795.52	652.77
		For Class 52 Rating, Deduct	*-1,408.71*	
		For Class 54 Rating, Add	*1,932.84*	
		For Class 55 Rating, Add	*2,879.58*	
		For Class 56 Rating, Add	*3,813.51*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,221.36	655.49
		For Class 52 Rating, Deduct	*-1,455.10*	
		For Class 54 Rating, Add	*1,996.15*	
		For Class 55 Rating, Add	*2,973.72*	
		For Class 56 Rating, Add	*3,938.07*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,647.21	658.21
		For Class 52 Rating, Deduct	*-1,501.49*	
		For Class 54 Rating, Add	*2,059.46*	
		For Class 55 Rating, Add	*3,067.87*	
		For Class 56 Rating, Add	*4,062.63*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,073.05	660.91
		For Class 52 Rating, Deduct	*-1,547.88*	
		For Class 54 Rating, Add	*2,122.77*	
		For Class 55 Rating, Add	*3,162.01*	
		For Class 56 Rating, Add	*4,187.19*	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,498.89	663.63
		For Class 52 Rating, Deduct	*-1,594.27*	
		For Class 54 Rating, Add	*2,186.07*	
		For Class 55 Rating, Add	*3,256.16*	
		For Class 56 Rating, Add	*4,311.75*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3377		EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,924.73	666.35
			For Class 52 Rating, Deduct	*-1,640.66*	
			For Class 54 Rating, Add	*2,249.38*	
			For Class 55 Rating, Add	*3,350.30*	
			For Class 56 Rating, Add	*4,436.30*	
40 05 19 00-3378		EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,350.57	669.06
			For Class 52 Rating, Deduct	*-1,687.05*	
			For Class 54 Rating, Add	*2,312.69*	
			For Class 55 Rating, Add	*3,444.44*	
			For Class 56 Rating, Add	*4,560.86*	
40 05 19 00-3379		EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,776.42	671.78
			For Class 52 Rating, Deduct	*-1,733.44*	
			For Class 54 Rating, Add	*2,376.00*	
			For Class 55 Rating, Add	*3,538.59*	
			For Class 56 Rating, Add	*4,685.42*	
40 05 19 00-3380		EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,202.26	674.49
			For Class 52 Rating, Deduct	*-1,779.83*	
			For Class 54 Rating, Add	*2,439.31*	
			For Class 55 Rating, Add	*3,632.73*	
			For Class 56 Rating, Add	*4,809.98*	
40 05 19 00-3381		EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,628.10	677.21
			For Class 52 Rating, Deduct	*-1,826.22*	
			For Class 54 Rating, Add	*2,502.62*	
			For Class 55 Rating, Add	*3,726.88*	
			For Class 56 Rating, Add	*4,934.54*	
40 05 19 00-3382		EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,053.94	679.92
			For Class 52 Rating, Deduct	*-1,872.61*	
			For Class 54 Rating, Add	*2,565.92*	
			For Class 55 Rating, Add	*3,821.02*	
			For Class 56 Rating, Add	*5,059.09*	
40 05 19 00-3383		EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,479.78	682.64
			For Class 52 Rating, Deduct	*-1,919.00*	
			For Class 54 Rating, Add	*2,629.23*	
			For Class 55 Rating, Add	*3,915.17*	
			For Class 56 Rating, Add	*5,183.65*	
40 05 19 00-3384		EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,905.62	685.36
			For Class 52 Rating, Deduct	*-1,965.39*	
			For Class 54 Rating, Add	*2,692.54*	
			For Class 55 Rating, Add	*4,009.31*	
			For Class 56 Rating, Add	*5,308.21*	
40 05 19 00-3385		EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,331.48	688.06
			For Class 52 Rating, Deduct	*-2,011.78*	
			For Class 54 Rating, Add	*2,755.85*	
			For Class 55 Rating, Add	*4,103.45*	
			For Class 56 Rating, Add	*5,432.77*	

40 05 19 00-3386 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3387		EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,165.10	670.69
			For Class 52 Rating, Deduct	*-346.38*	
			For Class 54 Rating, Add	*484.53*	
			For Class 55 Rating, Add	*726.59*	
			For Class 56 Rating, Add	*965.51*	
40 05 19 00-3388		EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,649.99	673.41
			For Class 52 Rating, Deduct	*-399.26*	
			For Class 54 Rating, Add	*556.69*	
			For Class 55 Rating, Add	*833.90*	
			For Class 56 Rating, Add	*1,107.48*	
40 05 19 00-3389		EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,134.87	676.12
			For Class 52 Rating, Deduct	*-452.15*	
			For Class 54 Rating, Add	*628.86*	
			For Class 55 Rating, Add	*941.21*	
			For Class 56 Rating, Add	*1,249.46*	
40 05 19 00-3390		EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,619.75	678.84
			For Class 52 Rating, Deduct	*-505.03*	
			For Class 54 Rating, Add	*701.02*	
			For Class 55 Rating, Add	*1,048.52*	
			For Class 56 Rating, Add	*1,391.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3391	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,104.64	681.56
		For Class 52 Rating, Deduct	*-557.92*	
		For Class 54 Rating, Add	*773.19*	
		For Class 55 Rating, Add	*1,155.84*	
		For Class 56 Rating, Add	*1,533.41*	
40 05 19 00-3392	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,589.52	684.26
		For Class 52 Rating, Deduct	*-610.80*	
		For Class 54 Rating, Add	*845.35*	
		For Class 55 Rating, Add	*1,263.15*	
		For Class 56 Rating, Add	*1,675.38*	
40 05 19 00-3393	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,074.40	686.98
		For Class 52 Rating, Deduct	*-663.69*	
		For Class 54 Rating, Add	*917.52*	
		For Class 55 Rating, Add	*1,370.46*	
		For Class 56 Rating, Add	*1,817.36*	
40 05 19 00-3394	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,559.29	689.70
		For Class 52 Rating, Deduct	*-716.57*	
		For Class 54 Rating, Add	*989.68*	
		For Class 55 Rating, Add	*1,477.77*	
		For Class 56 Rating, Add	*1,959.34*	
40 05 19 00-3395	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,044.17	692.42
		For Class 52 Rating, Deduct	*-769.46*	
		For Class 54 Rating, Add	*1,061.85*	
		For Class 55 Rating, Add	*1,585.08*	
		For Class 56 Rating, Add	*2,101.31*	
40 05 19 00-3396	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,529.05	695.13
		For Class 52 Rating, Deduct	*-822.34*	
		For Class 54 Rating, Add	*1,134.01*	
		For Class 55 Rating, Add	*1,692.39*	
		For Class 56 Rating, Add	*2,243.29*	
40 05 19 00-3397	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,013.94	697.84
		For Class 52 Rating, Deduct	*-875.23*	
		For Class 54 Rating, Add	*1,206.18*	
		For Class 55 Rating, Add	*1,799.70*	
		For Class 56 Rating, Add	*2,385.26*	
40 05 19 00-3398	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,498.82	700.56
		For Class 52 Rating, Deduct	*-928.11*	
		For Class 54 Rating, Add	*1,278.34*	
		For Class 55 Rating, Add	*1,907.01*	
		For Class 56 Rating, Add	*2,527.24*	
40 05 19 00-3399	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,983.70	703.27
		For Class 52 Rating, Deduct	*-981.00*	
		For Class 54 Rating, Add	*1,350.51*	
		For Class 55 Rating, Add	*2,014.32*	
		For Class 56 Rating, Add	*2,669.21*	
40 05 19 00-3400	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,468.60	705.99
		For Class 52 Rating, Deduct	*-1,033.88*	
		For Class 54 Rating, Add	*1,422.67*	
		For Class 55 Rating, Add	*2,121.63*	
		For Class 56 Rating, Add	*2,811.19*	
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,953.48	708.71
		For Class 52 Rating, Deduct	*-1,086.76*	
		For Class 54 Rating, Add	*1,494.84*	
		For Class 55 Rating, Add	*2,228.94*	
		For Class 56 Rating, Add	*2,953.16*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,438.36	711.42
		For Class 52 Rating, Deduct	*-1,139.65*	
		For Class 54 Rating, Add	*1,567.00*	
		For Class 55 Rating, Add	*2,336.25*	
		For Class 56 Rating, Add	*3,095.14*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,923.25	714.13
		For Class 52 Rating, Deduct	*-1,192.53*	
		For Class 54 Rating, Add	*1,639.17*	
		For Class 55 Rating, Add	*2,443.56*	
		For Class 56 Rating, Add	*3,237.11*	
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,408.13	716.85
		For Class 52 Rating, Deduct	*-1,245.42*	
		For Class 54 Rating, Add	*1,711.33*	
		For Class 55 Rating, Add	*2,550.87*	
		For Class 56 Rating, Add	*3,379.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,893.01	719.57
		For Class 52 Rating, Deduct	*-1,298.30*	
		For Class 54 Rating, Add	*1,783.50*	
		For Class 55 Rating, Add	*2,658.18*	
		For Class 56 Rating, Add	*3,521.06*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,377.90	722.29
		For Class 52 Rating, Deduct	*-1,351.19*	
		For Class 54 Rating, Add	*1,855.66*	
		For Class 55 Rating, Add	*2,765.49*	
		For Class 56 Rating, Add	*3,663.04*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,862.78	724.99
		For Class 52 Rating, Deduct	*-1,404.07*	
		For Class 54 Rating, Add	*1,927.83*	
		For Class 55 Rating, Add	*2,872.80*	
		For Class 56 Rating, Add	*3,805.01*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,347.66	727.72
		For Class 52 Rating, Deduct	*-1,456.96*	
		For Class 54 Rating, Add	*1,999.99*	
		For Class 55 Rating, Add	*2,980.11*	
		For Class 56 Rating, Add	*3,946.99*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,832.55	730.43
		For Class 52 Rating, Deduct	*-1,509.84*	
		For Class 54 Rating, Add	*2,072.16*	
		For Class 55 Rating, Add	*3,087.42*	
		For Class 56 Rating, Add	*4,088.96*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,317.43	733.14
		For Class 52 Rating, Deduct	*-1,562.73*	
		For Class 54 Rating, Add	*2,144.32*	
		For Class 55 Rating, Add	*3,194.73*	
		For Class 56 Rating, Add	*4,230.94*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,802.31	735.86
		For Class 52 Rating, Deduct	*-1,615.61*	
		For Class 54 Rating, Add	*2,216.49*	
		For Class 55 Rating, Add	*3,302.04*	
		For Class 56 Rating, Add	*4,372.91*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,287.20	738.57
		For Class 52 Rating, Deduct	*-1,668.50*	
		For Class 54 Rating, Add	*2,288.65*	
		For Class 55 Rating, Add	*3,409.35*	
		For Class 56 Rating, Add	*4,514.89*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,772.09	741.30
		For Class 52 Rating, Deduct	*-1,721.38*	
		For Class 54 Rating, Add	*2,360.82*	
		For Class 55 Rating, Add	*3,516.67*	
		For Class 56 Rating, Add	*4,656.87*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,256.97	744.00
		For Class 52 Rating, Deduct	*-1,774.27*	
		For Class 54 Rating, Add	*2,432.98*	
		For Class 55 Rating, Add	*3,623.98*	
		For Class 56 Rating, Add	*4,798.84*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,741.86	746.72
		For Class 52 Rating, Deduct	*-1,827.15*	
		For Class 54 Rating, Add	*2,505.15*	
		For Class 55 Rating, Add	*3,731.29*	
		For Class 56 Rating, Add	*4,940.82*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,226.74	749.44
		For Class 52 Rating, Deduct	*-1,880.04*	
		For Class 54 Rating, Add	*2,577.31*	
		For Class 55 Rating, Add	*3,838.60*	
		For Class 56 Rating, Add	*5,082.79*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,711.63	752.14
		For Class 52 Rating, Deduct	*-1,932.92*	
		For Class 54 Rating, Add	*2,649.48*	
		For Class 55 Rating, Add	*3,945.91*	
		For Class 56 Rating, Add	*5,224.77*	
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,196.51	754.87
		For Class 52 Rating, Deduct	*-1,985.80*	
		For Class 54 Rating, Add	*2,721.64*	
		For Class 55 Rating, Add	*4,053.22*	
		For Class 56 Rating, Add	*5,366.74*	

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SAN BERNARDINO COUNTY

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,681.39	757.59
		For Class 52 Rating, Deduct	*-2,038.69*	
		For Class 54 Rating, Add	*2,793.81*	
		For Class 55 Rating, Add	*4,160.53*	
		For Class 56 Rating, Add	*5,508.72*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,166.28	760.30
		For Class 52 Rating, Deduct	*-2,091.57*	
		For Class 54 Rating, Add	*2,865.97*	
		For Class 55 Rating, Add	*4,267.84*	
		For Class 56 Rating, Add	*5,650.69*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,651.16	763.01
		For Class 52 Rating, Deduct	*-2,144.46*	
		For Class 54 Rating, Add	*2,938.13*	
		For Class 55 Rating, Add	*4,375.15*	
		For Class 56 Rating, Add	*5,792.67*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,136.04	765.72
		For Class 52 Rating, Deduct	*-2,197.34*	
		For Class 54 Rating, Add	*3,010.30*	
		For Class 55 Rating, Add	*4,482.46*	
		For Class 56 Rating, Add	*5,934.64*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,620.93	768.45
		For Class 52 Rating, Deduct	*-2,250.23*	
		For Class 54 Rating, Add	*3,082.46*	
		For Class 55 Rating, Add	*4,589.77*	
		For Class 56 Rating, Add	*6,076.62*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,105.81	771.15
		For Class 52 Rating, Deduct	*-2,303.11*	
		For Class 54 Rating, Add	*3,154.63*	
		For Class 55 Rating, Add	*4,697.08*	
		For Class 56 Rating, Add	*6,218.59*	

40 05 19 00-3425 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3426	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,131.84	792.87
		For Class 52 Rating, Deduct	*-432.36*	
		For Class 54 Rating, Add	*603.99*	
		For Class 55 Rating, Add	*905.33*	
		For Class 56 Rating, Add	*1,202.75*	
40 05 19 00-3427	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,732.00	795.60
		For Class 52 Rating, Deduct	*-497.92*	
		For Class 54 Rating, Add	*693.45*	
		For Class 55 Rating, Add	*1,038.35*	
		For Class 56 Rating, Add	*1,378.73*	
40 05 19 00-3428	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,332.15	798.32
		For Class 52 Rating, Deduct	*-563.48*	
		For Class 54 Rating, Add	*782.90*	
		For Class 55 Rating, Add	*1,171.37*	
		For Class 56 Rating, Add	*1,554.71*	
40 05 19 00-3429	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,932.31	801.02
		For Class 52 Rating, Deduct	*-629.05*	
		For Class 54 Rating, Add	*872.36*	
		For Class 55 Rating, Add	*1,304.38*	
		For Class 56 Rating, Add	*1,730.69*	
40 05 19 00-3430	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,532.46	803.74
		For Class 52 Rating, Deduct	*-694.61*	
		For Class 54 Rating, Add	*961.81*	
		For Class 55 Rating, Add	*1,437.40*	
		For Class 56 Rating, Add	*1,906.67*	
40 05 19 00-3431	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,132.62	806.46
		For Class 52 Rating, Deduct	*-760.18*	
		For Class 54 Rating, Add	*1,051.27*	
		For Class 55 Rating, Add	*1,570.42*	
		For Class 56 Rating, Add	*2,082.65*	
40 05 19 00-3432	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,732.78	809.18
		For Class 52 Rating, Deduct	*-825.74*	
		For Class 54 Rating, Add	*1,140.73*	
		For Class 55 Rating, Add	*1,703.43*	
		For Class 56 Rating, Add	*2,258.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3433	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,332.93	811.89
		For Class 52 Rating, Deduct	*-891.31*	
		For Class 54 Rating, Add	*1,230.18*	
		For Class 55 Rating, Add	*1,836.45*	
		For Class 56 Rating, Add	*2,434.61*	
40 05 19 00-3434	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,933.08	814.60
		For Class 52 Rating, Deduct	*-956.87*	
		For Class 54 Rating, Add	*1,319.64*	
		For Class 55 Rating, Add	*1,969.46*	
		For Class 56 Rating, Add	*2,610.59*	
40 05 19 00-3435	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,533.26	817.32
		For Class 52 Rating, Deduct	*-1,022.44*	
		For Class 54 Rating, Add	*1,409.09*	
		For Class 55 Rating, Add	*2,102.48*	
		For Class 56 Rating, Add	*2,786.57*	
40 05 19 00-3436	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,133.41	820.03
		For Class 52 Rating, Deduct	*-1,088.00*	
		For Class 54 Rating, Add	*1,498.55*	
		For Class 55 Rating, Add	*2,235.50*	
		For Class 56 Rating, Add	*2,962.55*	
40 05 19 00-3437	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,733.56	822.75
		For Class 52 Rating, Deduct	*-1,153.57*	
		For Class 54 Rating, Add	*1,588.00*	
		For Class 55 Rating, Add	*2,368.51*	
		For Class 56 Rating, Add	*3,138.53*	
40 05 19 00-3438	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,333.72	825.47
		For Class 52 Rating, Deduct	*-1,219.13*	
		For Class 54 Rating, Add	*1,677.46*	
		For Class 55 Rating, Add	*2,501.53*	
		For Class 56 Rating, Add	*3,314.51*	
40 05 19 00-3439	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,933.87	828.18
		For Class 52 Rating, Deduct	*-1,284.70*	
		For Class 54 Rating, Add	*1,766.92*	
		For Class 55 Rating, Add	*2,634.54*	
		For Class 56 Rating, Add	*3,490.49*	
40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,534.04	830.89
		For Class 52 Rating, Deduct	*-1,350.26*	
		For Class 54 Rating, Add	*1,856.37*	
		For Class 55 Rating, Add	*2,767.56*	
		For Class 56 Rating, Add	*3,666.48*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,134.19	833.62
		For Class 52 Rating, Deduct	*-1,415.83*	
		For Class 54 Rating, Add	*1,945.83*	
		For Class 55 Rating, Add	*2,900.58*	
		For Class 56 Rating, Add	*3,842.46*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,734.34	836.33
		For Class 52 Rating, Deduct	*-1,481.39*	
		For Class 54 Rating, Add	*2,035.28*	
		For Class 55 Rating, Add	*3,033.59*	
		For Class 56 Rating, Add	*4,018.44*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,334.50	839.04
		For Class 52 Rating, Deduct	*-1,546.95*	
		For Class 54 Rating, Add	*2,124.74*	
		For Class 55 Rating, Add	*3,166.61*	
		For Class 56 Rating, Add	*4,194.42*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,934.66	841.75
		For Class 52 Rating, Deduct	*-1,612.52*	
		For Class 54 Rating, Add	*2,214.20*	
		For Class 55 Rating, Add	*3,299.63*	
		For Class 56 Rating, Add	*4,370.40*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,534.81	844.47
		For Class 52 Rating, Deduct	*-1,678.08*	
		For Class 54 Rating, Add	*2,303.65*	
		For Class 55 Rating, Add	*3,432.64*	
		For Class 56 Rating, Add	*4,546.38*	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,134.97	847.20
		For Class 52 Rating, Deduct	*-1,743.65*	
		For Class 54 Rating, Add	*2,393.11*	
		For Class 55 Rating, Add	*3,565.66*	
		For Class 56 Rating, Add	*4,722.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,735.12	849.90
		For Class 52 Rating, Deduct	*-1,809.21*	
		For Class 54 Rating, Add	*2,482.56*	
		For Class 55 Rating, Add	*3,698.67*	
		For Class 56 Rating, Add	*4,898.34*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,335.27	852.62
		For Class 52 Rating, Deduct	*-1,874.78*	
		For Class 54 Rating, Add	*2,572.02*	
		For Class 55 Rating, Add	*3,831.69*	
		For Class 56 Rating, Add	*5,074.32*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,935.44	855.33
		For Class 52 Rating, Deduct	*-1,940.34*	
		For Class 54 Rating, Add	*2,661.47*	
		For Class 55 Rating, Add	*3,964.71*	
		For Class 56 Rating, Add	*5,250.30*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,535.60	858.05
		For Class 52 Rating, Deduct	*-2,005.91*	
		For Class 54 Rating, Add	*2,750.93*	
		For Class 55 Rating, Add	*4,097.72*	
		For Class 56 Rating, Add	*5,426.28*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,135.75	860.77
		For Class 52 Rating, Deduct	*-2,071.47*	
		For Class 54 Rating, Add	*2,840.38*	
		For Class 55 Rating, Add	*4,230.74*	
		For Class 56 Rating, Add	*5,602.26*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,735.91	863.48
		For Class 52 Rating, Deduct	*-2,137.04*	
		For Class 54 Rating, Add	*2,929.84*	
		For Class 55 Rating, Add	*4,363.75*	
		For Class 56 Rating, Add	*5,778.24*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,336.07	866.20
		For Class 52 Rating, Deduct	*-2,202.60*	
		For Class 54 Rating, Add	*3,019.30*	
		For Class 55 Rating, Add	*4,496.77*	
		For Class 56 Rating, Add	*5,954.22*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,936.22	868.90
		For Class 52 Rating, Deduct	*-2,268.17*	
		For Class 54 Rating, Add	*3,108.75*	
		For Class 55 Rating, Add	*4,629.79*	
		For Class 56 Rating, Add	*6,130.20*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,606.32	917.78
		For Class 52 Rating, Deduct	*-2,333.73*	
		For Class 54 Rating, Add	*3,199.05*	
		For Class 55 Rating, Add	*4,764.48*	
		For Class 56 Rating, Add	*6,308.70*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,206.47	920.50
		For Class 52 Rating, Deduct	*-2,399.29*	
		For Class 54 Rating, Add	*3,288.50*	
		For Class 55 Rating, Add	*4,897.50*	
		For Class 56 Rating, Add	*6,484.68*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,806.62	923.22
		For Class 52 Rating, Deduct	*-2,464.86*	
		For Class 54 Rating, Add	*3,377.96*	
		For Class 55 Rating, Add	*5,030.51*	
		For Class 56 Rating, Add	*6,660.66*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,406.79	925.94
		For Class 52 Rating, Deduct	*-2,530.42*	
		For Class 54 Rating, Add	*3,467.41*	
		For Class 55 Rating, Add	*5,163.53*	
		For Class 56 Rating, Add	*6,836.64*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,006.94	928.65
		For Class 52 Rating, Deduct	*-2,595.99*	
		For Class 54 Rating, Add	*3,556.87*	
		For Class 55 Rating, Add	*5,296.55*	
		For Class 56 Rating, Add	*7,012.62*	
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,418.61	931.36
		For Class 52 Rating, Deduct	*-2,970.82*	
		For Class 54 Rating, Add	*4,068.05*	
		For Class 55 Rating, Add	*6,056.53*	
		For Class 56 Rating, Add	*8,018.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,207.26	934.08
		For Class 52 Rating, Deduct	*-2,727.12*	
		For Class 54 Rating, Add	*3,735.78*	
		For Class 55 Rating, Add	*5,562.58*	
		For Class 56 Rating, Add	*7,364.58*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,807.42	936.79
		For Class 52 Rating, Deduct	*-2,792.68*	
		For Class 54 Rating, Add	*3,825.24*	
		For Class 55 Rating, Add	*5,695.60*	
		For Class 56 Rating, Add	*7,540.57*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,407.57	939.51
		For Class 52 Rating, Deduct	*-2,858.25*	
		For Class 54 Rating, Add	*3,914.69*	
		For Class 55 Rating, Add	*5,828.61*	
		For Class 56 Rating, Add	*7,716.55*	
40 05 19 00-3464		**30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-3068)*		
40 05 19 00-3465	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,706.96	1,118.72
		For Class 52 Rating, Deduct	*-771.31*	
		For Class 54 Rating, Add	*1,072.13*	
		For Class 55 Rating, Add	*1,604.34*	
		For Class 56 Rating, Add	*2,129.54*	
40 05 19 00-3466	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,565.78	1,121.44
		For Class 52 Rating, Deduct	*-865.33*	
		For Class 54 Rating, Add	*1,200.38*	
		For Class 55 Rating, Add	*1,795.04*	
		For Class 56 Rating, Add	*2,381.83*	
40 05 19 00-3467	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,424.61	1,124.16
		For Class 52 Rating, Deduct	*-959.35*	
		For Class 54 Rating, Add	*1,328.64*	
		For Class 55 Rating, Add	*1,985.74*	
		For Class 56 Rating, Add	*2,634.11*	
40 05 19 00-3468	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,283.42	1,126.87
		For Class 52 Rating, Deduct	*-1,053.36*	
		For Class 54 Rating, Add	*1,456.89*	
		For Class 55 Rating, Add	*2,176.43*	
		For Class 56 Rating, Add	*2,886.40*	
40 05 19 00-3469	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,142.23	1,129.59
		For Class 52 Rating, Deduct	*-1,147.38*	
		For Class 54 Rating, Add	*1,585.15*	
		For Class 55 Rating, Add	*2,367.13*	
		For Class 56 Rating, Add	*3,138.68*	
40 05 19 00-3470	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,001.05	1,132.29
		For Class 52 Rating, Deduct	*-1,241.40*	
		For Class 54 Rating, Add	*1,713.40*	
		For Class 55 Rating, Add	*2,557.83*	
		For Class 56 Rating, Add	*3,390.97*	
40 05 19 00-3471	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,859.86	1,135.02
		For Class 52 Rating, Deduct	*-1,335.42*	
		For Class 54 Rating, Add	*1,841.66*	
		For Class 55 Rating, Add	*2,748.52*	
		For Class 56 Rating, Add	*3,643.25*	
40 05 19 00-3472	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,718.68	1,137.74
		For Class 52 Rating, Deduct	*-1,429.43*	
		For Class 54 Rating, Add	*1,969.91*	
		For Class 55 Rating, Add	*2,939.22*	
		For Class 56 Rating, Add	*3,895.54*	
40 05 19 00-3473	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,577.50	1,140.44
		For Class 52 Rating, Deduct	*-1,523.45*	
		For Class 54 Rating, Add	*2,098.17*	
		For Class 55 Rating, Add	*3,129.92*	
		For Class 56 Rating, Add	*4,147.82*	
40 05 19 00-3474	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,436.31	1,143.16
		For Class 52 Rating, Deduct	*-1,617.47*	
		For Class 54 Rating, Add	*2,226.42*	
		For Class 55 Rating, Add	*3,320.62*	
		For Class 56 Rating, Add	*4,400.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3475	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,295.13	1,145.87
		For Class 52 Rating, Deduct	*-1,711.48*	
		For Class 54 Rating, Add	*2,354.68*	
		For Class 55 Rating, Add	*3,511.31*	
		For Class 56 Rating, Add	*4,652.39*	
40 05 19 00-3476	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,153.94	1,148.60
		For Class 52 Rating, Deduct	*-1,805.50*	
		For Class 54 Rating, Add	*2,482.93*	
		For Class 55 Rating, Add	*3,702.01*	
		For Class 56 Rating, Add	*4,904.68*	
40 05 19 00-3477	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,012.76	1,151.31
		For Class 52 Rating, Deduct	*-1,899.52*	
		For Class 54 Rating, Add	*2,611.19*	
		For Class 55 Rating, Add	*3,892.71*	
		For Class 56 Rating, Add	*5,156.96*	
40 05 19 00-3478	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,871.58	1,154.02
		For Class 52 Rating, Deduct	*-1,993.54*	
		For Class 54 Rating, Add	*2,739.44*	
		For Class 55 Rating, Add	*4,083.41*	
		For Class 56 Rating, Add	*5,409.25*	
40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,730.39	1,156.74
		For Class 52 Rating, Deduct	*-2,087.55*	
		For Class 54 Rating, Add	*2,867.70*	
		For Class 55 Rating, Add	*4,274.10*	
		For Class 56 Rating, Add	*5,661.53*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,589.20	1,159.44
		For Class 52 Rating, Deduct	*-2,181.57*	
		For Class 54 Rating, Add	*2,995.95*	
		For Class 55 Rating, Add	*4,464.80*	
		For Class 56 Rating, Add	*5,913.82*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,448.03	1,162.17
		For Class 52 Rating, Deduct	*-2,275.59*	
		For Class 54 Rating, Add	*3,124.20*	
		For Class 55 Rating, Add	*4,655.50*	
		For Class 56 Rating, Add	*6,166.10*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,306.85	1,164.89
		For Class 52 Rating, Deduct	*-2,369.61*	
		For Class 54 Rating, Add	*3,252.46*	
		For Class 55 Rating, Add	*4,846.20*	
		For Class 56 Rating, Add	*6,418.39*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,165.66	1,167.60
		For Class 52 Rating, Deduct	*-2,463.62*	
		For Class 54 Rating, Add	*3,380.71*	
		For Class 55 Rating, Add	*5,036.89*	
		For Class 56 Rating, Add	*6,670.68*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,024.48	1,170.31
		For Class 52 Rating, Deduct	*-2,557.64*	
		For Class 54 Rating, Add	*3,508.97*	
		For Class 55 Rating, Add	*5,227.59*	
		For Class 56 Rating, Add	*6,922.96*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,883.29	1,173.02
		For Class 52 Rating, Deduct	*-2,651.66*	
		For Class 54 Rating, Add	*3,637.22*	
		For Class 55 Rating, Add	*5,418.29*	
		For Class 56 Rating, Add	*7,175.24*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,742.10	1,175.75
		For Class 52 Rating, Deduct	*-2,745.67*	
		For Class 54 Rating, Add	*3,765.48*	
		For Class 55 Rating, Add	*5,608.98*	
		For Class 56 Rating, Add	*7,427.53*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,600.93	1,178.46
		For Class 52 Rating, Deduct	*-2,839.69*	
		For Class 54 Rating, Add	*3,893.73*	
		For Class 55 Rating, Add	*5,799.68*	
		For Class 56 Rating, Add	*7,679.82*	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,459.74	1,181.17
		For Class 52 Rating, Deduct	*-2,933.71*	
		For Class 54 Rating, Add	*4,021.99*	
		For Class 55 Rating, Add	*5,990.38*	
		For Class 56 Rating, Add	*7,932.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,318.55	1,183.89
		For Class 52 Rating, Deduct	*-3,027.73*	
		For Class 54 Rating, Add	*4,150.24*	
		For Class 55 Rating, Add	*6,181.08*	
		For Class 56 Rating, Add	*8,184.39*	
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,177.37	1,186.62
		For Class 52 Rating, Deduct	*-3,121.74*	
		For Class 54 Rating, Add	*4,278.50*	
		For Class 55 Rating, Add	*6,371.77*	
		For Class 56 Rating, Add	*8,436.67*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,036.18	1,189.32
		For Class 52 Rating, Deduct	*-3,215.76*	
		For Class 54 Rating, Add	*4,406.75*	
		For Class 55 Rating, Add	*6,562.47*	
		For Class 56 Rating, Add	*8,688.96*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,895.00	1,192.04
		For Class 52 Rating, Deduct	*-3,309.78*	
		For Class 54 Rating, Add	*4,535.01*	
		For Class 55 Rating, Add	*6,753.17*	
		For Class 56 Rating, Add	*8,941.24*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,753.82	1,194.75
		For Class 52 Rating, Deduct	*-3,403.79*	
		For Class 54 Rating, Add	*4,663.26*	
		For Class 55 Rating, Add	*6,943.87*	
		For Class 56 Rating, Add	*9,193.53*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,612.64	1,197.47
		For Class 52 Rating, Deduct	*-3,497.81*	
		For Class 54 Rating, Add	*4,791.52*	
		For Class 55 Rating, Add	*7,134.56*	
		For Class 56 Rating, Add	*9,445.81*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,471.45	1,200.19
		For Class 52 Rating, Deduct	*-3,591.83*	
		For Class 54 Rating, Add	*4,919.77*	
		For Class 55 Rating, Add	*7,325.26*	
		For Class 56 Rating, Add	*9,698.10*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,330.28	1,202.90
		For Class 52 Rating, Deduct	*-3,685.85*	
		For Class 54 Rating, Add	*5,048.03*	
		For Class 55 Rating, Add	*7,515.96*	
		For Class 56 Rating, Add	*9,950.38*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,189.09	1,205.62
		For Class 52 Rating, Deduct	*-3,779.86*	
		For Class 54 Rating, Add	*5,176.28*	
		For Class 55 Rating, Add	*7,706.66*	
		For Class 56 Rating, Add	*10,202.67*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,047.90	1,208.32
		For Class 52 Rating, Deduct	*-3,873.88*	
		For Class 54 Rating, Add	*5,304.53*	
		For Class 55 Rating, Add	*7,897.35*	
		For Class 56 Rating, Add	*10,454.95*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,906.72	1,211.04
		For Class 52 Rating, Deduct	*-3,967.90*	
		For Class 54 Rating, Add	*5,432.79*	
		For Class 55 Rating, Add	*8,088.05*	
		For Class 56 Rating, Add	*10,707.24*	

40 05 19 00-3500 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3501	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,880.17	1,417.41
		For Class 52 Rating, Deduct	*-960.58*	
		For Class 54 Rating, Add	*1,335.66*	
		For Class 55 Rating, Add	*1,998.91*	
		For Class 56 Rating, Add	*2,653.42*	
40 05 19 00-3502	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,031.38	1,420.13
		For Class 52 Rating, Deduct	*-1,086.76*	
		For Class 54 Rating, Add	*1,507.77*	
		For Class 55 Rating, Add	*2,254.81*	
		For Class 56 Rating, Add	*2,991.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3503	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,182.60	1,422.84
		For Class 52 Rating, Deduct	*-1,212.95*	
		For Class 54 Rating, Add	*1,679.89*	
		For Class 55 Rating, Add	*2,510.71*	
		For Class 56 Rating, Add	*3,330.51*	
40 05 19 00-3504	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,333.82	1,425.56
		For Class 52 Rating, Deduct	*-1,339.13*	
		For Class 54 Rating, Add	*1,852.00*	
		For Class 55 Rating, Add	*2,766.61*	
		For Class 56 Rating, Add	*3,669.05*	
40 05 19 00-3505	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,485.03	1,428.28
		For Class 52 Rating, Deduct	*-1,465.31*	
		For Class 54 Rating, Add	*2,024.12*	
		For Class 55 Rating, Add	*3,022.52*	
		For Class 56 Rating, Add	*4,007.59*	
40 05 19 00-3506	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,636.25	1,430.98
		For Class 52 Rating, Deduct	*-1,591.49*	
		For Class 54 Rating, Add	*2,196.23*	
		For Class 55 Rating, Add	*3,278.42*	
		For Class 56 Rating, Add	*4,346.14*	
40 05 19 00-3507	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,787.46	1,433.70
		For Class 52 Rating, Deduct	*-1,717.67*	
		For Class 54 Rating, Add	*2,368.34*	
		For Class 55 Rating, Add	*3,534.32*	
		For Class 56 Rating, Add	*4,684.68*	
40 05 19 00-3508	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,938.67	1,436.42
		For Class 52 Rating, Deduct	*-1,843.85*	
		For Class 54 Rating, Add	*2,540.46*	
		For Class 55 Rating, Add	*3,790.22*	
		For Class 56 Rating, Add	*5,023.22*	
40 05 19 00-3509	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,089.89	1,439.14
		For Class 52 Rating, Deduct	*-1,970.03*	
		For Class 54 Rating, Add	*2,712.57*	
		For Class 55 Rating, Add	*4,046.12*	
		For Class 56 Rating, Add	*5,361.77*	
40 05 19 00-3510	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,241.10	1,441.85
		For Class 52 Rating, Deduct	*-2,096.21*	
		For Class 54 Rating, Add	*2,884.69*	
		For Class 55 Rating, Add	*4,302.03*	
		For Class 56 Rating, Add	*5,700.31*	
40 05 19 00-3511	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,392.31	1,444.56
		For Class 52 Rating, Deduct	*-2,222.39*	
		For Class 54 Rating, Add	*3,056.80*	
		For Class 55 Rating, Add	*4,557.93*	
		For Class 56 Rating, Add	*6,038.85*	
40 05 19 00-3512	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,543.53	1,447.28
		For Class 52 Rating, Deduct	*-2,348.57*	
		For Class 54 Rating, Add	*3,228.92*	
		For Class 55 Rating, Add	*4,813.83*	
		For Class 56 Rating, Add	*6,377.39*	
40 05 19 00-3513	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,694.74	1,449.99
		For Class 52 Rating, Deduct	*-2,474.76*	
		For Class 54 Rating, Add	*3,401.03*	
		For Class 55 Rating, Add	*5,069.73*	
		For Class 56 Rating, Add	*6,715.94*	
40 05 19 00-3514	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,845.95	1,452.71
		For Class 52 Rating, Deduct	*-2,600.94*	
		For Class 54 Rating, Add	*3,573.14*	
		For Class 55 Rating, Add	*5,325.63*	
		For Class 56 Rating, Add	*7,054.48*	
40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,997.17	1,455.43
		For Class 52 Rating, Deduct	*-2,727.12*	
		For Class 54 Rating, Add	*3,745.26*	
		For Class 55 Rating, Add	*5,581.54*	
		For Class 56 Rating, Add	*7,393.02*	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,148.38	1,458.14
		For Class 52 Rating, Deduct	*-2,853.30*	
		For Class 54 Rating, Add	*3,917.37*	
		For Class 55 Rating, Add	*5,837.44*	
		For Class 56 Rating, Add	*7,731.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,299.60	1,460.85
		For Class 52 Rating, Deduct	*-2,979.48*	
		For Class 54 Rating, Add	*4,089.49*	
		For Class 55 Rating, Add	*6,093.34*	
		For Class 56 Rating, Add	*8,070.11*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,450.81	1,463.57
		For Class 52 Rating, Deduct	*-3,105.66*	
		For Class 54 Rating, Add	*4,261.60*	
		For Class 55 Rating, Add	*6,349.24*	
		For Class 56 Rating, Add	*8,408.65*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,602.03	1,466.29
		For Class 52 Rating, Deduct	*-3,231.84*	
		For Class 54 Rating, Add	*4,433.72*	
		For Class 55 Rating, Add	*6,605.14*	
		For Class 56 Rating, Add	*8,747.19*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,753.25	1,469.01
		For Class 52 Rating, Deduct	*-3,358.02*	
		For Class 54 Rating, Add	*4,605.83*	
		For Class 55 Rating, Add	*6,861.05*	
		For Class 56 Rating, Add	*9,085.73*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,904.46	1,471.71
		For Class 52 Rating, Deduct	*-3,484.20*	
		For Class 54 Rating, Add	*4,777.95*	
		For Class 55 Rating, Add	*7,116.95*	
		For Class 56 Rating, Add	*9,424.28*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,055.67	1,474.43
		For Class 52 Rating, Deduct	*-3,610.38*	
		For Class 54 Rating, Add	*4,950.06*	
		For Class 55 Rating, Add	*7,372.85*	
		For Class 56 Rating, Add	*9,762.82*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,206.89	1,477.16
		For Class 52 Rating, Deduct	*-3,736.57*	
		For Class 54 Rating, Add	*5,122.17*	
		For Class 55 Rating, Add	*7,628.75*	
		For Class 56 Rating, Add	*10,101.36*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,358.10	1,479.86
		For Class 52 Rating, Deduct	*-3,862.75*	
		For Class 54 Rating, Add	*5,294.29*	
		For Class 55 Rating, Add	*7,884.65*	
		For Class 56 Rating, Add	*10,439.90*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,509.31	1,482.58
		For Class 52 Rating, Deduct	*-3,988.93*	
		For Class 54 Rating, Add	*5,466.40*	
		For Class 55 Rating, Add	*8,140.56*	
		For Class 56 Rating, Add	*10,778.45*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,660.54	1,485.29
		For Class 52 Rating, Deduct	*-4,115.11*	
		For Class 54 Rating, Add	*5,638.52*	
		For Class 55 Rating, Add	*8,396.46*	
		For Class 56 Rating, Add	*11,116.99*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,811.75	1,488.02
		For Class 52 Rating, Deduct	*-4,241.29*	
		For Class 54 Rating, Add	*5,810.63*	
		For Class 55 Rating, Add	*8,652.36*	
		For Class 56 Rating, Add	*11,455.54*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,962.96	1,490.73
		For Class 52 Rating, Deduct	*-4,367.47*	
		For Class 54 Rating, Add	*5,982.75*	
		For Class 55 Rating, Add	*8,908.26*	
		For Class 56 Rating, Add	*11,794.08*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,114.18	1,493.44
		For Class 52 Rating, Deduct	*-4,493.65*	
		For Class 54 Rating, Add	*6,154.86*	
		For Class 55 Rating, Add	*9,164.17*	
		For Class 56 Rating, Add	*12,132.62*	
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,265.39	1,496.16
		For Class 52 Rating, Deduct	*-4,619.83*	
		For Class 54 Rating, Add	*6,326.98*	
		For Class 55 Rating, Add	*9,420.07*	
		For Class 56 Rating, Add	*12,471.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,416.60	1,498.86
		For Class 52 Rating, Deduct	*-4,746.01*	
		For Class 54 Rating, Add	*6,499.09*	
		For Class 55 Rating, Add	*9,675.97*	
		For Class 56 Rating, Add	*12,809.71*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,567.83	1,501.59
		For Class 52 Rating, Deduct	*-4,872.20*	
		For Class 54 Rating, Add	*6,671.21*	
		For Class 55 Rating, Add	*9,931.87*	
		For Class 56 Rating, Add	*13,148.25*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,719.04	1,504.31
		For Class 52 Rating, Deduct	*-4,998.38*	
		For Class 54 Rating, Add	*6,843.32*	
		For Class 55 Rating, Add	*10,187.78*	
		For Class 56 Rating, Add	*13,486.79*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,870.25	1,507.02
		For Class 52 Rating, Deduct	*-5,124.56*	
		For Class 54 Rating, Add	*7,015.43*	
		For Class 55 Rating, Add	*10,443.68*	
		For Class 56 Rating, Add	*13,825.33*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,021.47	1,509.73
		For Class 52 Rating, Deduct	*-5,250.74*	
		For Class 54 Rating, Add	*7,187.55*	
		For Class 55 Rating, Add	*10,699.58*	
		For Class 56 Rating, Add	*14,163.88*	

40 05 19 00-3536 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

40 05 19 00-3537	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,414.29	1,786.70
		For Class 52 Rating, Deduct	*-1,287.79*	
		For Class 54 Rating, Add	*1,788.56*	
		For Class 55 Rating, Add	*2,675.67*	
		For Class 56 Rating, Add	*3,551.07*	
40 05 19 00-3538	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,110.93	1,789.40
		For Class 52 Rating, Deduct	*-1,473.97*	
		For Class 54 Rating, Add	*2,042.49*	
		For Class 55 Rating, Add	*3,053.20*	
		For Class 56 Rating, Add	*4,050.52*	
40 05 19 00-3539	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,793.53	1,792.13
		For Class 52 Rating, Deduct	*-1,658.60*	
		For Class 54 Rating, Add	*2,294.31*	
		For Class 55 Rating, Add	*3,427.60*	
		For Class 56 Rating, Add	*4,545.82*	
40 05 19 00-3540	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,492.99	1,794.85
		For Class 52 Rating, Deduct	*-1,845.09*	
		For Class 54 Rating, Add	*2,548.66*	
		For Class 55 Rating, Add	*3,805.76*	
		For Class 56 Rating, Add	*5,046.09*	
40 05 19 00-3541	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,181.20	1,797.56
		For Class 52 Rating, Deduct	*-2,030.34*	
		For Class 54 Rating, Add	*2,801.33*	
		For Class 55 Rating, Add	*4,181.42*	
		For Class 56 Rating, Add	*5,543.05*	
40 05 19 00-3542	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,886.29	1,800.27
		For Class 52 Rating, Deduct	*-2,217.45*	
		For Class 54 Rating, Add	*3,056.52*	
		For Class 55 Rating, Add	*4,560.83*	
		For Class 56 Rating, Add	*6,044.98*	
40 05 19 00-3543	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,574.50	1,802.99
		For Class 52 Rating, Deduct	*-2,402.70*	
		For Class 54 Rating, Add	*3,309.19*	
		For Class 55 Rating, Add	*4,936.49*	
		For Class 56 Rating, Add	*6,541.94*	
40 05 19 00-3544	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,282.40	1,805.71
		For Class 52 Rating, Deduct	*-2,590.11*	
		For Class 54 Rating, Add	*3,564.80*	
		For Class 55 Rating, Add	*5,316.53*	
		For Class 56 Rating, Add	*7,044.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3545	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,973.43	1,808.43
		For Class 52 Rating, Deduct	*-2,775.67*	
		For Class 54 Rating, Add	*3,817.89*	
		For Class 55 Rating, Add	*5,692.81*	
		For Class 56 Rating, Add	*7,542.49*	
40 05 19 00-3546	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,684.13	1,811.13
		For Class 52 Rating, Deduct	*-2,963.40*	
		For Class 54 Rating, Add	*4,073.93*	
		For Class 55 Rating, Add	*6,073.48*	
		For Class 56 Rating, Add	*8,046.08*	
40 05 19 00-3547	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,375.16	1,813.85
		For Class 52 Rating, Deduct	*-3,148.96*	
		For Class 54 Rating, Add	*4,327.01*	
		For Class 55 Rating, Add	*6,449.76*	
		For Class 56 Rating, Add	*8,548.87*	
40 05 19 00-3548	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,085.87	1,816.57
		For Class 52 Rating, Deduct	*-3,336.68*	
		For Class 54 Rating, Add	*4,583.05*	
		For Class 55 Rating, Add	*6,830.43*	
		For Class 56 Rating, Add	*9,047.47*	
40 05 19 00-3549	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,779.70	1,819.28
		For Class 52 Rating, Deduct	*-3,522.55*	
		For Class 54 Rating, Add	*4,836.56*	
		For Class 55 Rating, Add	*7,207.33*	
		For Class 56 Rating, Add	*9,546.08*	
40 05 19 00-3550	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,476.35	1,822.00
		For Class 52 Rating, Deduct	*-3,708.73*	
		For Class 54 Rating, Add	*5,090.49*	
		For Class 55 Rating, Add	*7,584.87*	
		For Class 56 Rating, Add	*10,045.53*	
40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,184.25	1,824.71
		For Class 52 Rating, Deduct	*-3,896.15*	
		For Class 54 Rating, Add	*5,346.11*	
		For Class 55 Rating, Add	*7,964.91*	
		For Class 56 Rating, Add	*10,548.29*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,878.08	1,827.43
		For Class 52 Rating, Deduct	*-4,082.02*	
		For Class 54 Rating, Add	*5,599.61*	
		For Class 55 Rating, Add	*8,341.81*	
		For Class 56 Rating, Add	*11,046.91*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,591.60	1,830.14
		For Class 52 Rating, Deduct	*-4,270.05*	
		For Class 54 Rating, Add	*5,856.07*	
		For Class 55 Rating, Add	*8,723.11*	
		For Class 56 Rating, Add	*11,551.33*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,288.25	1,832.86
		For Class 52 Rating, Deduct	*-4,456.23*	
		For Class 54 Rating, Add	*6,110.00*	
		For Class 55 Rating, Add	*9,100.64*	
		For Class 56 Rating, Add	*12,050.78*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,998.95	1,835.58
		For Class 52 Rating, Deduct	*-4,643.96*	
		For Class 54 Rating, Add	*6,366.04*	
		For Class 55 Rating, Add	*9,481.31*	
		For Class 56 Rating, Add	*12,554.37*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,695.60	1,838.28
		For Class 52 Rating, Deduct	*-4,830.14*	
		For Class 54 Rating, Add	*6,619.97*	
		For Class 55 Rating, Add	*9,858.85*	
		For Class 56 Rating, Add	*13,053.81*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,409.12	1,841.00
		For Class 52 Rating, Deduct	*-5,018.17*	
		For Class 54 Rating, Add	*6,876.43*	
		For Class 55 Rating, Add	*10,240.14*	
		For Class 56 Rating, Add	*13,558.24*	
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,105.77	1,843.73
		For Class 52 Rating, Deduct	*-5,204.35*	
		For Class 54 Rating, Add	*7,130.36*	
		For Class 55 Rating, Add	*10,617.68*	
		For Class 56 Rating, Add	*14,057.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,819.29	1,846.44
		For Class 52 Rating, Deduct	*-5,392.38*	
		For Class 54 Rating, Add	*7,386.82*	
		For Class 55 Rating, Add	*10,998.97*	
		For Class 56 Rating, Add	*14,562.10*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,513.14	1,849.15
		For Class 52 Rating, Deduct	*-5,578.25*	
		For Class 54 Rating, Add	*7,640.33*	
		For Class 55 Rating, Add	*11,375.88*	
		For Class 56 Rating, Add	*15,060.72*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,229.46	1,851.86
		For Class 52 Rating, Deduct	*-5,766.60*	
		For Class 54 Rating, Add	*7,897.21*	
		For Class 55 Rating, Add	*11,757.80*	
		For Class 56 Rating, Add	*15,565.97*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,926.11	1,854.59
		For Class 52 Rating, Deduct	*-5,952.78*	
		For Class 54 Rating, Add	*8,151.14*	
		For Class 55 Rating, Add	*12,135.34*	
		For Class 56 Rating, Add	*16,065.42*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,636.82	1,857.30
		For Class 52 Rating, Deduct	*-6,140.50*	
		For Class 54 Rating, Add	*8,407.18*	
		For Class 55 Rating, Add	*12,516.01*	
		For Class 56 Rating, Add	*16,569.01*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,336.28	1,860.01
		For Class 52 Rating, Deduct	*-6,326.99*	
		For Class 54 Rating, Add	*8,661.53*	
		For Class 55 Rating, Add	*12,894.17*	
		For Class 56 Rating, Add	*17,069.29*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,701.17	1,862.73
		For Class 52 Rating, Deduct	*-6,476.67*	
		For Class 54 Rating, Add	*8,865.70*	
		For Class 55 Rating, Add	*13,197.72*	
		For Class 56 Rating, Add	*17,470.86*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,746.45	1,865.44
		For Class 52 Rating, Deduct	*-6,701.20*	
		For Class 54 Rating, Add	*9,171.92*	
		For Class 55 Rating, Add	*13,653.00*	
		For Class 56 Rating, Add	*18,073.16*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,440.28	1,868.15
		For Class 52 Rating, Deduct	*-6,887.07*	
		For Class 54 Rating, Add	*9,425.43*	
		For Class 55 Rating, Add	*14,029.90*	
		For Class 56 Rating, Add	*18,571.77*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,153.80	1,870.88
		For Class 52 Rating, Deduct	*-7,075.11*	
		For Class 54 Rating, Add	*9,681.89*	
		For Class 55 Rating, Add	*14,411.20*	
		For Class 56 Rating, Add	*19,076.19*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,850.45	1,873.59
		For Class 52 Rating, Deduct	*-7,261.28*	
		For Class 54 Rating, Add	*9,935.82*	
		For Class 55 Rating, Add	*14,788.74*	
		For Class 56 Rating, Add	*19,575.64*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,566.77	1,876.31
		For Class 52 Rating, Deduct	*-7,449.63*	
		For Class 54 Rating, Add	*10,192.70*	
		For Class 55 Rating, Add	*15,170.66*	
		For Class 56 Rating, Add	*20,080.89*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,260.62	1,879.01
		For Class 52 Rating, Deduct	*-7,635.50*	
		For Class 54 Rating, Add	*10,446.21*	
		For Class 55 Rating, Add	*15,547.57*	
		For Class 56 Rating, Add	*20,579.51*	

40 05 19 00-3572 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3068)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3573	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,626.79	2,245.58
		For Class 52 Rating, Deduct	*-1,674.68*	
		For Class 54 Rating, Add	*2,324.49*	
		For Class 55 Rating, Add	*3,476.69*	
		For Class 56 Rating, Add	*4,613.68*	
40 05 19 00-3574	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,065.69	2,248.31
		For Class 52 Rating, Deduct	*-1,942.51*	
		For Class 54 Rating, Add	*2,689.75*	
		For Class 55 Rating, Add	*4,019.75*	
		For Class 56 Rating, Add	*5,332.09*	
40 05 19 00-3575	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,513.01	2,251.03
		For Class 52 Rating, Deduct	*-2,211.26*	
		For Class 54 Rating, Add	*3,056.28*	
		For Class 55 Rating, Add	*4,564.68*	
		For Class 56 Rating, Add	*6,052.98*	
40 05 19 00-3576	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,985.63	2,253.74
		For Class 52 Rating, Deduct	*-2,482.80*	
		For Class 54 Rating, Add	*3,426.61*	
		For Class 55 Rating, Add	*5,115.26*	
		For Class 56 Rating, Add	*6,781.34*	
40 05 19 00-3577	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,452.64	2,256.45
		For Class 52 Rating, Deduct	*-2,753.71*	
		For Class 54 Rating, Add	*3,796.09*	
		For Class 55 Rating, Add	*5,664.58*	
		For Class 56 Rating, Add	*7,508.04*	
40 05 19 00-3578	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,922.46	2,259.16
		For Class 52 Rating, Deduct	*-3,024.94*	
		For Class 54 Rating, Add	*4,166.00*	
		For Class 55 Rating, Add	*6,214.54*	
		For Class 56 Rating, Add	*8,235.57*	
40 05 19 00-3579	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,409.15	2,261.89
		For Class 52 Rating, Deduct	*-3,298.03*	
		For Class 54 Rating, Add	*4,538.43*	
		For Class 55 Rating, Add	*6,768.25*	
		For Class 56 Rating, Add	*8,968.08*	
40 05 19 00-3580	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,890.22	2,264.60
		For Class 52 Rating, Deduct	*-3,570.49*	
		For Class 54 Rating, Add	*4,910.02*	
		For Class 55 Rating, Add	*7,320.71*	
		For Class 56 Rating, Add	*9,698.93*	
40 05 19 00-3581	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,365.65	2,267.31
		For Class 52 Rating, Deduct	*-3,842.34*	
		For Class 54 Rating, Add	*5,280.77*	
		For Class 55 Rating, Add	*7,871.91*	
		For Class 56 Rating, Add	*10,428.12*	
40 05 19 00-3582	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,863.58	2,270.03
		For Class 52 Rating, Deduct	*-4,116.66*	
		For Class 54 Rating, Add	*5,654.89*	
		For Class 55 Rating, Add	*8,428.13*	
		For Class 56 Rating, Add	*11,163.94*	
40 05 19 00-3583	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,350.27	2,272.75
		For Class 52 Rating, Deduct	*-4,389.74*	
		For Class 54 Rating, Add	*6,027.33*	
		For Class 55 Rating, Add	*8,981.84*	
		For Class 56 Rating, Add	*11,896.45*	
40 05 19 00-3584	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,851.01	2,275.46
		For Class 52 Rating, Deduct	*-4,664.37*	
		For Class 54 Rating, Add	*6,401.87*	
		For Class 55 Rating, Add	*9,538.69*	
		For Class 56 Rating, Add	*12,633.10*	
40 05 19 00-3585	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,334.89	2,278.18
		For Class 52 Rating, Deduct	*-4,937.14*	
		For Class 54 Rating, Add	*6,773.89*	
		For Class 55 Rating, Add	*10,091.78*	
		For Class 56 Rating, Add	*13,364.78*	
40 05 19 00-3586	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,824.39	2,280.89
		For Class 52 Rating, Deduct	*-5,210.53*	
		For Class 54 Rating, Add	*7,146.74*	
		For Class 55 Rating, Add	*10,646.11*	
		For Class 56 Rating, Add	*14,098.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,327.94	2,283.61
		For Class 52 Rating, Deduct	*-5,485.47*	
		For Class 54 Rating, Add	*7,521.71*	
		For Class 55 Rating, Add	*11,203.59*	
		For Class 56 Rating, Add	*14,835.60*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,817.43	2,286.32
		For Class 52 Rating, Deduct	*-5,758.86*	
		For Class 54 Rating, Add	*7,894.57*	
		For Class 55 Rating, Add	*11,757.93*	
		For Class 56 Rating, Add	*15,568.93*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,306.94	2,289.04
		For Class 52 Rating, Deduct	*-6,032.26*	
		For Class 54 Rating, Add	*8,267.42*	
		For Class 55 Rating, Add	*12,312.27*	
		For Class 56 Rating, Add	*16,302.27*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,813.30	2,291.76
		For Class 52 Rating, Deduct	*-6,307.50*	
		For Class 54 Rating, Add	*8,642.81*	
		For Class 55 Rating, Add	*12,870.37*	
		For Class 56 Rating, Add	*17,040.58*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,305.61	2,294.46
		For Class 52 Rating, Deduct	*-6,581.21*	
		For Class 54 Rating, Add	*9,016.09*	
		For Class 55 Rating, Add	*13,425.34*	
		For Class 56 Rating, Add	*17,774.75*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,795.11	2,297.18
		For Class 52 Rating, Deduct	*-6,854.60*	
		For Class 54 Rating, Add	*9,388.95*	
		For Class 55 Rating, Add	*13,979.67*	
		For Class 56 Rating, Add	*18,508.09*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,307.10	2,299.90
		For Class 52 Rating, Deduct	*-7,130.47*	
		For Class 54 Rating, Add	*9,765.18*	
		For Class 55 Rating, Add	*14,539.03*	
		For Class 56 Rating, Add	*19,248.06*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,802.22	2,302.62
		For Class 52 Rating, Deduct	*-7,404.48*	
		For Class 54 Rating, Add	*10,138.88*	
		For Class 55 Rating, Add	*15,094.62*	
		For Class 56 Rating, Add	*19,983.05*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,294.54	2,305.33
		For Class 52 Rating, Deduct	*-7,678.18*	
		For Class 54 Rating, Add	*10,512.16*	
		For Class 55 Rating, Add	*15,649.59*	
		For Class 56 Rating, Add	*20,717.22*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,803.71	2,308.04
		For Class 52 Rating, Deduct	*-7,953.73*	
		For Class 54 Rating, Add	*10,887.96*	
		For Class 55 Rating, Add	*16,208.32*	
		For Class 56 Rating, Add	*21,456.36*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,298.83	2,310.76
		For Class 52 Rating, Deduct	*-8,227.74*	
		For Class 54 Rating, Add	*11,261.67*	
		For Class 55 Rating, Add	*16,763.91*	
		For Class 56 Rating, Add	*22,191.36*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,791.14	2,313.47
		For Class 52 Rating, Deduct	*-8,501.45*	
		For Class 54 Rating, Add	*11,634.94*	
		For Class 55 Rating, Add	*17,318.88*	
		For Class 56 Rating, Add	*22,925.52*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,303.13	2,316.19
		For Class 52 Rating, Deduct	*-8,777.31*	
		For Class 54 Rating, Add	*12,011.18*	
		For Class 55 Rating, Add	*17,878.23*	
		For Class 56 Rating, Add	*23,665.49*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,798.25	2,318.91
		For Class 52 Rating, Deduct	*-9,051.32*	
		For Class 54 Rating, Add	*12,384.88*	
		For Class 55 Rating, Add	*18,433.83*	
		For Class 56 Rating, Add	*24,400.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,998.16	2,321.63
		For Class 52 Rating, Deduct	*-9,292.86*	
		For Class 54 Rating, Add	*12,714.29*	
		For Class 55 Rating, Add	*18,923.59*	
		For Class 56 Rating, Add	*25,048.40*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,808.17	2,324.33
		For Class 52 Rating, Deduct	*-9,601.51*	
		For Class 54 Rating, Add	*13,135.23*	
		For Class 55 Rating, Add	*19,549.40*	
		For Class 56 Rating, Add	*25,876.28*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,300.48	2,327.06
		For Class 52 Rating, Deduct	*-9,875.21*	
		For Class 54 Rating, Add	*13,508.51*	
		For Class 55 Rating, Add	*20,104.37*	
		For Class 56 Rating, Add	*26,610.45*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	95,818.09	2,329.77
		For Class 52 Rating, Deduct	*-10,151.70*	
		For Class 54 Rating, Add	*13,885.58*	
		For Class 55 Rating, Add	*20,664.97*	
		For Class 56 Rating, Add	*27,352.08*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,310.40	2,332.48
		For Class 52 Rating, Deduct	*-10,425.40*	
		For Class 54 Rating, Add	*14,258.86*	
		For Class 55 Rating, Add	*21,219.94*	
		For Class 56 Rating, Add	*28,086.25*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,802.71	2,335.19
		For Class 52 Rating, Deduct	*-10,699.10*	
		For Class 54 Rating, Add	*14,632.14*	
		For Class 55 Rating, Add	*21,774.91*	
		For Class 56 Rating, Add	*28,820.41*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,320.33	2,337.91
		For Class 52 Rating, Deduct	*-10,975.58*	
		For Class 54 Rating, Add	*15,009.21*	
		For Class 55 Rating, Add	*22,335.52*	
		For Class 56 Rating, Add	*29,562.04*	

40 05 19 00-3608 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2059)*

40 05 19 00-3609	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	784.77	131.00
40 05 19 00-3610	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,152.13	167.53
40 05 19 00-3611	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,650.57	189.75
40 05 19 00-3612	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,361.46	240.57
40 05 19 00-3613	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,946.38	266.78
40 05 19 00-3614	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,618.46	289.79
40 05 19 00-3615	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,443.29	357.28
40 05 19 00-3616	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,576.33	428.74
40 05 19 00-3617	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,813.84	539.89
40 05 19 00-3618	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,162.25	611.35
40 05 19 00-3619	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	15,788.77	809.84
40 05 19 00-3620	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,449.64	917.02
40 05 19 00-3621	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	40,086.96	1,048.03
40 05 19 00-3622	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	53,043.83	1,286.22

40 05 19 00-3623 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2059)*

40 05 19 00-3624	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	747.00	131.00
40 05 19 00-3625	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,089.72	167.53
40 05 19 00-3626	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,496.20	189.75
40 05 19 00-3627	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,141.40	240.57
40 05 19 00-3628	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,662.27	266.78
40 05 19 00-3629	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,104.44	289.79
40 05 19 00-3630	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,815.96	357.28
40 05 19 00-3631	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,860.31	428.74
40 05 19 00-3632	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,112.60	539.89
40 05 19 00-3633	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,038.83	611.35
40 05 19 00-3634	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,412.70	809.84
40 05 19 00-3635	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	22,947.11	917.02
40 05 19 00-3636	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	34,736.54	1,048.03
40 05 19 00-3637	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	46,988.89	1,286.22

40 05 19 00-3638 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2059)*

40 05 19 00-3639	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	745.36	131.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3640	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,068.37	167.53
40 05 19 00-3641	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,483.06	189.75
40 05 19 00-3642	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,090.49	240.57
40 05 19 00-3643	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,775.58	266.78
40 05 19 00-3644	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,450.95	289.79
40 05 19 00-3645	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,894.78	357.28
40 05 19 00-3646	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,955.56	428.74
40 05 19 00-3647	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,521.52	539.89
40 05 19 00-3648	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,983.12	611.35
40 05 19 00-3649	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,580.21	809.84
40 05 19 00-3650	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,329.76	917.02
40 05 19 00-3651	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	35,500.19	1,048.03
40 05 19 00-3652	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	47,987.38	1,286.22
40 05 19 00-3653		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-2059)*		
40 05 19 00-3654	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	809.40	131.00
40 05 19 00-3655	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,188.25	167.53
40 05 19 00-3656	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,532.33	189.75
40 05 19 00-3657	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,266.21	240.57
40 05 19 00-3658	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,102.39	266.78
40 05 19 00-3659	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,534.70	289.79
40 05 19 00-3660	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,247.87	357.28
40 05 19 00-3661	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,955.56	428.74
40 05 19 00-3662	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,521.52	539.89
40 05 19 00-3663	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,318.14	611.35
40 05 19 00-3664	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,744.43	809.84
40 05 19 00-3665	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	23,497.26	917.02
40 05 19 00-3666	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	35,675.91	1,048.03
40 05 19 00-3667	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	48,342.10	1,286.22
40 05 19 00-3668		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows *(40 05 19 00-2059)*		
40 05 19 00-3669	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,122.82	149.27
40 05 19 00-3670	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,451.69	160.38
40 05 19 00-3671	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,576.25	178.64
40 05 19 00-3672	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,171.72	185.78
40 05 19 00-3673	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,210.87	204.05
40 05 19 00-3674	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,373.88	215.16
40 05 19 00-3675	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,594.27	217.55
40 05 19 00-3676	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,898.49	228.66
40 05 19 00-3677	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,033.88	254.07
40 05 19 00-3678	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,023.30	228.66
40 05 19 00-3679	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,279.92	239.77
40 05 19 00-3680	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,554.89	265.18
40 05 19 00-3681	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,864.39	278.68
40 05 19 00-3682	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,480.06	262.41
40 05 19 00-3683	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,689.05	273.52
40 05 19 00-3684	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,108.55	298.92
40 05 19 00-3685	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,419.07	312.02
40 05 19 00-3686	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,673.00	323.54
40 05 19 00-3687	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,041.66	298.13
40 05 19 00-3688	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,682.54	309.25
40 05 19 00-3689	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,765.38	334.66
40 05 19 00-3690	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,977.37	347.76
40 05 19 00-3691	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,329.84	359.27
40 05 19 00-3692	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,712.70	393.02
40 05 19 00-3693	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,055.36	353.71
40 05 19 00-3694	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,331.69	364.83
40 05 19 00-3695	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,399.86	390.23
40 05 19 00-3696	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,593.79	403.33
40 05 19 00-3697	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,187.66	414.85
40 05 19 00-3698	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,002.30	448.59
40 05 19 00-3699	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,363.53	484.32
40 05 19 00-3700	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,003.01	389.44
40 05 19 00-3701	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,274.39	400.55
40 05 19 00-3702	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,726.74	425.96
40 05 19 00-3703	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,055.33	439.06
40 05 19 00-3704	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,690.24	450.57
40 05 19 00-3705	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,257.04	484.32
40 05 19 00-3706	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,412.98	520.05
40 05 19 00-3707	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,865.74	514.29
40 05 19 00-3708	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,913.88	538.30
40 05 19 00-3709	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,594.78	549.82
40 05 19 00-3710	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,263.51	583.56
40 05 19 00-3711	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,063.35	619.29
40 05 19 00-3712	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,517.69	674.87
40 05 19 00-3713	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,997.28	710.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3714	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,784.32	728.46
40 05 19 00-3715	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,710.62	764.19
40 05 19 00-3716	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,800.35	863.44
40 05 19 00-3717	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,850.33	793.96
40 05 19 00-3718	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,595.84	829.69
40 05 19 00-3719	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,555.71	928.94
40 05 19 00-3720	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	45,072.09	982.52
40 05 19 00-3721	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	43,109.65	958.70
40 05 19 00-3722	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,859.81	1,057.95
40 05 19 00-3723	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,197.32	1,111.55
40 05 19 00-3724	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	59,815.23	1,177.05
40 05 19 00-3725		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-2059)*		
40 05 19 00-3726	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	924.36	131.00
40 05 19 00-3727	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,457.58	167.53
40 05 19 00-3728	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,169.52	189.75
40 05 19 00-3729	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,031.50	240.57
40 05 19 00-3730	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,247.03	266.78
40 05 19 00-3731	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,981.52	289.79
40 05 19 00-3732	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,349.93	357.28
40 05 19 00-3733	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,773.65	428.74
40 05 19 00-3734	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,382.43	539.89
40 05 19 00-3735	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,157.94	611.35
40 05 19 00-3736	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,274.47	809.84
40 05 19 00-3737	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	39,811.28	917.02
40 05 19 00-3738	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	61,370.39	1,048.03
40 05 19 00-3739		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-2059)*		
40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	970.34	131.00
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,367.26	167.53
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,230.28	189.75
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,985.52	240.57
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,995.77	266.78
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,740.11	289.79
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,776.79	357.28
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,156.16	428.74
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,247.64	539.89
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,996.75	611.35
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	20,981.53	809.84
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	29,890.51	917.02
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	52,678.02	1,048.03
40 05 19 00-3753	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	59,098.77	1,286.22
40 05 19 00-3754		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-2059)*		
40 05 19 00-3755	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,187.53	210.40
40 05 19 00-3756	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,538.45	258.83
40 05 19 00-3757	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,231.21	289.00
40 05 19 00-3758	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,158.82	375.55
40 05 19 00-3759	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,233.67	409.68
40 05 19 00-3760	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,684.69	440.64
40 05 19 00-3761	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,136.66	555.77
40 05 19 00-3762	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,626.59	635.17
40 05 19 00-3763	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,593.71	801.90
40 05 19 00-3764	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,165.56	885.27
40 05 19 00-3765	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	23,305.16	1,222.70
40 05 19 00-3766	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	32,980.93	1,401.34
40 05 19 00-3767	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	70,644.79	1,619.68
40 05 19 00-3768		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-2059)*		
40 05 19 00-3769	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,586.11	235.01
40 05 19 00-3770	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,063.02	239.77
40 05 19 00-3771	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,026.62	269.95
40 05 19 00-3772	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,753.48	265.18
40 05 19 00-3773	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,679.31	295.36
40 05 19 00-3774	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,791.94	314.40
40 05 19 00-3775	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,521.16	278.68
40 05 19 00-3776	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,474.89	308.85
40 05 19 00-3777	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,625.29	327.91
40 05 19 00-3778	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,179.39	389.04
40 05 19 00-3779	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,053.77	289.79
40 05 19 00-3780	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,928.70	319.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3781	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,102.09	339.02
40 05 19 00-3782	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,289.97	400.16
40 05 19 00-3783	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,561.62	421.20
40 05 19 00-3784	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,101.74	323.54
40 05 19 00-3785	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,124.34	353.71
40 05 19 00-3786	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,240.25	372.76
40 05 19 00-3787	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,328.07	433.90
40 05 19 00-3788	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,657.08	454.94
40 05 19 00-3789	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,765.51	474.39
40 05 19 00-3790	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,723.70	389.44
40 05 19 00-3791	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,746.13	408.50
40 05 19 00-3792	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,692.60	469.63
40 05 19 00-3793	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,318.83	490.66
40 05 19 00-3794	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,801.70	510.12
40 05 19 00-3795	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,212.39	591.50
40 05 19 00-3796	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,179.31	445.01
40 05 19 00-3797	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,310.00	464.07
40 05 19 00-3798	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,556.64	525.20
40 05 19 00-3799	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,848.35	546.25
40 05 19 00-3800	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,928.73	565.70
40 05 19 00-3801	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,544.83	647.08
40 05 19 00-3802	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,712.80	690.74
40 05 19 00-3803	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,455.26	480.74
40 05 19 00-3804	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,822.43	499.80
40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,103.92	560.94
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,203.26	581.97
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,438.01	601.42
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,697.62	682.81
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,125.45	726.48
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,565.52	776.30
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,761.12	579.98
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,844.19	599.04
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,268.55	660.18
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,300.43	681.22
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,329.91	700.67
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,453.21	782.05
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,066.23	825.72
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,034.41	936.87
40 05 19 00-3819	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	25,655.61	984.51
40 05 19 00-3820	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,948.91	830.08
40 05 19 00-3821	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,191.82	845.17
40 05 19 00-3822	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,311.58	888.44
40 05 19 00-3823	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,503.31	905.51
40 05 19 00-3824	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,582.61	920.99
40 05 19 00-3825	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,778.22	978.56
40 05 19 00-3826	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,895.84	1,018.26
40 05 19 00-3827	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,240.56	1,101.62
40 05 19 00-3828	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,802.95	1,143.30
40 05 19 00-3829	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	37,266.51	1,312.02
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,004.07	800.32
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,094.31	819.77
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,332.56	901.15
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,457.86	944.81
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,861.11	1,055.97
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,404.61	1,103.61
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,113.25	1,341.79
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	67,825.05	1,466.84
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,091.26	929.33
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,120.73	948.78
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,418.11	1,030.16
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,484.27	1,073.83
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,887.54	1,184.98
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,373.56	1,232.62
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,557.21	1,470.82

40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2059)*

40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,282.78	210.40
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,815.99	258.83
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,700.89	289.00
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,048.92	375.55
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,468.63	409.68
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,165.87	440.64
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,555.56	555.77
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,135.81	635.17
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,012.73	801.90
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,321.95	885.27
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	28,717.98	1,222.70
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	40,929.37	1,401.34

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3858		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2059)*			
40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye		1,044.66	210.40
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye		1,526.96	258.83
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye		2,268.98	289.00
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye		2,991.31	375.55
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye		4,539.12	409.68
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye		6,088.68	440.64
40 05 19 00-3865		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2059)*			
40 05 19 00-3866	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		1,340.67	289.79
40 05 19 00-3867	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		1,896.32	314.01
40 05 19 00-3868	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		1,967.47	350.14
40 05 19 00-3869	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		2,457.57	319.18
40 05 19 00-3870	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		2,619.87	361.25
40 05 19 00-3871	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		2,675.55	388.24
40 05 19 00-3872	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		3,236.70	344.58
40 05 19 00-3873	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		3,492.61	386.66
40 05 19 00-3874	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		3,773.28	413.65
40 05 19 00-3875	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		4,539.17	510.52
40 05 19 00-3876	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		4,241.91	357.68
40 05 19 00-3877	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		4,400.91	399.76
40 05 19 00-3878	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		4,681.57	426.75
40 05 19 00-3879	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		5,496.74	523.62
40 05 19 00-3880	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		5,149.79	552.60
40 05 19 00-3881	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		5,306.81	411.27
40 05 19 00-3882	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		5,587.48	438.26
40 05 19 00-3883	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,065.97	535.13
40 05 19 00-3884	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,543.43	564.11
40 05 19 00-3885	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,821.41	591.50
40 05 19 00-3886	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,338.36	445.01
40 05 19 00-3887	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,665.01	472.01
40 05 19 00-3888	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		7,145.14	568.87
40 05 19 00-3889	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		7,668.57	597.86
40 05 19 00-3890	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		10,533.09	625.24
40 05 19 00-3891	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		8,480.35	754.27
40 05 19 00-3892	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,660.17	480.74
40 05 19 00-3893	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		6,986.82	507.74
40 05 19 00-3894	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		7,371.71	604.60
40 05 19 00-3895	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		7,895.15	633.58
40 05 19 00-3896	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		8,986.04	660.98
40 05 19 00-3897	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		9,613.44	789.99
40 05 19 00-3898	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		9,975.74	841.60
40 05 19 00-3899	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		8,575.47	536.32
40 05 19 00-3900	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		8,925.12	563.32
40 05 19 00-3901	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		9,277.16	660.18
40 05 19 00-3902	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		9,835.09	689.16
40 05 19 00-3903	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		9,981.69	716.55
40 05 19 00-3904	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		11,926.17	845.56
40 05 19 00-3905	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		12,311.46	897.17
40 05 19 00-3906	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		13,285.02	1,063.91
40 05 19 00-3907	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		11,342.60	572.05
40 05 19 00-3908	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		11,592.05	599.04
40 05 19 00-3909	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		12,096.83	695.91
40 05 19 00-3910	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		12,449.47	724.89
40 05 19 00-3911	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		12,645.35	752.28
40 05 19 00-3912	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		13,200.48	881.30
40 05 19 00-3913	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		16,932.66	932.91
40 05 19 00-3914	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		17,759.10	1,038.31
40 05 19 00-3915	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		19,382.50	1,159.19
40 05 19 00-3916	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		20,343.01	824.14
40 05 19 00-3917	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		20,438.71	851.52
40 05 19 00-3918	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		21,018.47	980.55
40 05 19 00-3919	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		21,209.98	1,032.15
40 05 19 00-3920	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		22,066.95	1,198.88
40 05 19 00-3921	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		28,496.22	1,258.43
40 05 19 00-3922	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		31,877.50	1,635.56
40 05 19 00-3923	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		28,488.41	1,048.43
40 05 19 00-3924	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		28,523.90	1,071.84
40 05 19 00-3925	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		29,018.31	1,177.05
40 05 19 00-3926	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		29,198.89	1,224.69
40 05 19 00-3927	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		29,905.35	1,363.63
40 05 19 00-3928	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		30,868.44	1,417.22
40 05 19 00-3929	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		41,199.52	1,724.88
40 05 19 00-3930	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		44,972.30	1,885.65
40 05 19 00-3931	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross		42,452.78	1,099.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3932	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,591.75	1,151.24
40 05 19 00-3933	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,406.02	1,317.98
40 05 19 00-3934	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,432.31	1,377.52
40 05 19 00-3935	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,225.27	1,754.65
40 05 19 00-3936	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	77,906.49	1,951.15
40 05 19 00-3937	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,818.36	1,447.00
40 05 19 00-3938	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,844.67	1,506.54
40 05 19 00-3939	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	61,101.02	1,883.67

40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2059)*

40 05 19 00-3941	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	960.24	149.27
40 05 19 00-3942	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,280.90	160.38
40 05 19 00-3943	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,361.12	178.64
40 05 19 00-3944	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,710.25	185.78
40 05 19 00-3945	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,701.78	204.05
40 05 19 00-3946	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,912.41	215.16
40 05 19 00-3947	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,185.59	199.29
40 05 19 00-3948	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,218.20	217.55
40 05 19 00-3949	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,374.62	228.66
40 05 19 00-3950	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,580.62	254.07
40 05 19 00-3951	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,689.93	228.66
40 05 19 00-3952	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,898.92	239.77
40 05 19 00-3953	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,101.63	265.18
40 05 19 00-3954	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,010.42	278.68
40 05 19 00-3955	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,195.96	262.41
40 05 19 00-3956	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,045.29	273.52
40 05 19 00-3957	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,289.07	298.92
40 05 19 00-3958	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,683.35	312.02
40 05 19 00-3959	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,145.84	323.54
40 05 19 00-3960	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,867.99	309.25
40 05 19 00-3961	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,146.25	334.66
40 05 19 00-3962	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,105.34	347.76
40 05 19 00-3963	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,612.18	359.27
40 05 19 00-3964	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,563.13	393.02
40 05 19 00-3965	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,714.21	364.83
40 05 19 00-3966	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,008.89	390.23
40 05 19 00-3967	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,887.50	403.33
40 05 19 00-3968	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,510.93	414.85
40 05 19 00-3969	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,179.42	448.59
40 05 19 00-3970	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,184.40	484.32
40 05 19 00-3971	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,836.64	425.96
40 05 19 00-3972	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,390.22	439.06
40 05 19 00-3973	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,545.60	450.57
40 05 19 00-3974	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,742.77	484.32
40 05 19 00-3975	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,920.19	520.05
40 05 19 00-3976	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,322.04	514.29
40 05 19 00-3977	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,322.26	583.56
40 05 19 00-3978	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,709.77	619.29
40 05 19 00-3979	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,455.80	674.87
40 05 19 00-3980	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,610.24	710.59
40 05 19 00-3981	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,054.29	637.16
40 05 19 00-3982	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,282.50	672.88
40 05 19 00-3983	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,289.64	728.46
40 05 19 00-3984	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,192.82	764.19
40 05 19 00-3985	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,662.03	863.44
40 05 19 00-3986	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,232.16	829.69
40 05 19 00-3987	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,205.54	928.94
40 05 19 00-3988	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	31,636.92	982.52
40 05 19 00-3989	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	33,431.93	958.70
40 05 19 00-3990	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	35,411.75	1,057.95
40 05 19 00-3991	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	39,314.45	1,111.55
40 05 19 00-3992	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	43,765.62	1,177.05

40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2059)*

40 05 19 00-3994	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,027.57	149.27
40 05 19 00-3995	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,358.08	160.38
40 05 19 00-3996	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,479.36	178.64
40 05 19 00-3997	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,710.25	185.78
40 05 19 00-3998	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,783.89	204.05
40 05 19 00-3999	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,991.24	215.16
40 05 19 00-4000	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,185.59	199.29
40 05 19 00-4001	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,310.16	217.55
40 05 19 00-4002	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,469.87	228.66
40 05 19 00-4003	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,746.49	254.07
40 05 19 00-4004	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,689.93	228.66
40 05 19 00-4005	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,849.65	239.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4006	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,078.64	265.18
40 05 19 00-4007	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,434.12	278.68
40 05 19 00-4008	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,195.96	262.41
40 05 19 00-4009	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,401.65	273.52
40 05 19 00-4010	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,681.56	298.92
40 05 19 00-4011	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,987.16	312.02
40 05 19 00-4012	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,145.84	323.54
40 05 19 00-4013	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,867.99	309.25
40 05 19 00-4014	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,146.25	334.66
40 05 19 00-4015	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,450.21	347.76
40 05 19 00-4016	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,612.18	359.27
40 05 19 00-4017	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,949.06	393.02
40 05 19 00-4018	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,970.40	364.83
40 05 19 00-4019	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,189.53	390.23
40 05 19 00-4020	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,390.03	403.33
40 05 19 00-4021	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,510.93	414.85
40 05 19 00-4022	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,920.07	448.59
40 05 19 00-4023	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,179.48	484.32
40 05 19 00-4024	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,024.77	400.55
40 05 19 00-4025	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,954.89	425.96
40 05 19 00-4026	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,078.20	439.06
40 05 19 00-4027	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,197.45	450.57
40 05 19 00-4028	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,608.23	484.32
40 05 19 00-4029	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,920.19	520.05
40 05 19 00-4030	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,322.04	514.29
40 05 19 00-4031	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,992.33	549.82
40 05 19 00-4032	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,033.47	583.56
40 05 19 00-4033	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,763.97	619.29
40 05 19 00-4034	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,455.80	674.87
40 05 19 00-4035	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,610.24	710.59
40 05 19 00-4036	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,095.22	637.16
40 05 19 00-4037	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,717.57	672.88
40 05 19 00-4038	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,627.81	728.46
40 05 19 00-4039	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,135.34	764.19
40 05 19 00-4040	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,952.70	863.44
40 05 19 00-4041	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,232.16	829.69
40 05 19 00-4042	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,205.54	928.94
40 05 19 00-4043	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	31,636.92	982.52
40 05 19 00-4044	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	35,411.75	1,057.95
40 05 19 00-4045	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	39,314.45	1,111.55
40 05 19 00-4046	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	43,765.62	1,177.05

40 05 19 00-4047 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2059)*

40 05 19 00-4048	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	477.26	51.61
40 05 19 00-4049	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	726.40	76.22
40 05 19 00-4050	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	971.40	90.52
40 05 19 00-4051	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,416.31	105.60
40 05 19 00-4052	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,879.17	123.86
40 05 19 00-4053	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,593.41	138.94
40 05 19 00-4054	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,134.23	158.79
40 05 19 00-4055	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,217.44	222.31
40 05 19 00-4056	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,664.71	277.89
40 05 19 00-4057	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,313.54	337.43
40 05 19 00-4058	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,063.24	393.02
40 05 19 00-4059	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	22,661.64	432.71
40 05 19 00-4060	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	32,512.26	476.38
40 05 19 00-4061	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	43,355.88	535.92

40 05 19 00-4062 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4063	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	44.25
		For Zinc Plated, Add	*12.39*
		For Hot Dip Galvanized, Add	*17.70*
40 05 19 00-4064	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	68.28
		For Zinc Plated, Add	*19.12*
		For Hot Dip Galvanized, Add	*27.31*
40 05 19 00-4065	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	74.14
		For Zinc Plated, Add	*20.76*
		For Hot Dip Galvanized, Add	*29.66*
40 05 19 00-4066	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	166.53
		For Zinc Plated, Add	*46.63*
		For Hot Dip Galvanized, Add	*66.61*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4067	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	168.00	
		For Zinc Plated, Add	*47.04*	
		For Hot Dip Galvanized, Add	*67.20*	
40 05 19 00-4068	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	188.22	
		For Zinc Plated, Add	*52.70*	
		For Hot Dip Galvanized, Add	*75.29*	
40 05 19 00-4069	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	316.42	
		For Zinc Plated, Add	*88.60*	
		For Hot Dip Galvanized, Add	*126.57*	
40 05 19 00-4070	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	459.67	
		For Zinc Plated, Add	*128.71*	
		For Hot Dip Galvanized, Add	*183.87*	
40 05 19 00-4071	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	580.39	
		For Zinc Plated, Add	*162.51*	
		For Hot Dip Galvanized, Add	*232.16*	
40 05 19 00-4072	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	830.44	
		For Zinc Plated, Add	*232.52*	
		For Hot Dip Galvanized, Add	*332.18*	
40 05 19 00-4073	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	1,312.22	
		For Zinc Plated, Add	*367.42*	
		For Hot Dip Galvanized, Add	*524.89*	
40 05 19 00-4074	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,871.92	
		For Zinc Plated, Add	*524.14*	
		For Hot Dip Galvanized, Add	*748.77*	
40 05 19 00-4075	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,408.16	
		For Zinc Plated, Add	*674.28*	
		For Hot Dip Galvanized, Add	*963.26*	
40 05 19 00-4076	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	2,943.31	
		For Zinc Plated, Add	*824.13*	
		For Hot Dip Galvanized, Add	*1,177.32*	

40 05 19 00-4077 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4078 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4077)*

40 05 19 00-4079	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.44
40 05 19 00-4080	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.74
40 05 19 00-4081	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.57
40 05 19 00-4082	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.87
40 05 19 00-4083	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	18.40
40 05 19 00-4084	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	30.67
40 05 19 00-4085	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	37.58
40 05 19 00-4086	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	39.88
40 05 19 00-4087	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	61.35
40 05 19 00-4088	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	65.95
40 05 19 00-4089	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	85.12
40 05 19 00-4090	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	97.39
40 05 19 00-4091	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	104.29
40 05 19 00-4092	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	114.26

40 05 19 00-4093 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4077)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4094	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	26.07
40 05 19 00-4095	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	36.81
40 05 19 00-4096	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	56.75
40 05 19 00-4097	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	62.11
40 05 19 00-4098	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	66.72
40 05 19 00-4099	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	125.76
40 05 19 00-4100	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	154.90
40 05 19 00-4101	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	155.67
40 05 19 00-4102	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	161.81
40 05 19 00-4103	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	171.01
40 05 19 00-4104	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	189.41
40 05 19 00-4105	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	208.58
40 05 19 00-4106	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	296.77
40 05 19 00-4107	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	324.38

40 05 19 00-4108 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4077)*

40 05 19 00-4109	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	23.01
40 05 19 00-4110	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4111	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	40.64	
40 05 19 00-4112	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	47.54	
40 05 19 00-4113	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	52.91	
40 05 19 00-4114	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	87.42	
40 05 19 00-4115	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.06	
40 05 19 00-4116	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.83	
40 05 19 00-4117	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	108.13	
40 05 19 00-4118	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	125.76	
40 05 19 00-4119	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	154.14	
40 05 19 00-4120	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	175.61	
40 05 19 00-4121	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	251.53	
40 05 19 00-4122	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	277.60	
40 05 19 00-4123		Full Face Flange Neoprene Gaskets *(40 05 19 00-4077)*		
		Note: (Polychloroprene)		
40 05 19 00-4124	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.84	
40 05 19 00-4125	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	37.58	
40 05 19 00-4126	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	57.51	
40 05 19 00-4127	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	62.11	
40 05 19 00-4128	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	66.72	
40 05 19 00-4129	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	88.95	
40 05 19 00-4130	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	156.44	
40 05 19 00-4131	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	157.20	
40 05 19 00-4132	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	166.41	
40 05 19 00-4133	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	168.71	
40 05 19 00-4134	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	183.28	
40 05 19 00-4135	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	206.28	
40 05 19 00-4136	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	299.07	
40 05 19 00-4137	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	327.44	
40 05 19 00-4138		Full Face Flange FKM Gaskets *(40 05 19 00-4077)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4139	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	126.38	
40 05 19 00-4140	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	188.17	
40 05 19 00-4141	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	251.36	
40 05 19 00-4142	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	303.32	
40 05 19 00-4143	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	394.59	
40 05 19 00-4144	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	721.78	
40 05 19 00-4145	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	827.10	
40 05 19 00-4146	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	866.42	
40 05 19 00-4147	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	924.00	
40 05 19 00-4148	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,277.87	
40 05 19 00-4149	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,532.04	
40 05 19 00-4150	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,616.29	
40 05 19 00-4151	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,015.10	
40 05 19 00-4152	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,111.99	
40 05 19 00-4153		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4154	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	400.85	76.41
40 05 19 00-4155	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	555.81	93.29
40 05 19 00-4156	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	822.38	113.78
40 05 19 00-4157	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,129.19	138.80
40 05 19 00-4158	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,433.46	169.26
40 05 19 00-4159	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,301.98	206.50
40 05 19 00-4160	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,619.05	252.01
40 05 19 00-4161	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,737.55	307.38
40 05 19 00-4162	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,579.05	375.08
40 05 19 00-4163	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,102.63	457.49
40 05 19 00-4164	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,575.72	558.25
40 05 19 00-4165	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	9,773.32	680.98
40 05 19 00-4166	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	25,463.57	830.87
40 05 19 00-4167	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	32,524.36	1,013.60

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001		Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly *(40 05 23 23)*		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	39.16	9.41
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.27*	
		For Work In Restricted Working Space, Add	*5.67*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	43.70	10.79
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.52*	
		For Work In Restricted Working Space, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.94	12.17
		For Type 316, Add	*6.47*	
		For Work In Restricted Working Space, Add	*7.82*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	59.47	14.70
		For Type 316, Add	*8.16*	
		For Work In Restricted Working Space, Add	*8.42*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	66.06	15.12
		For Type 316, Add	*9.35*	
		For Work In Restricted Working Space, Add	*9.03*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	80.12	19.99
		For Type 316, Add	*11.40*	
		For Work In Restricted Working Space, Add	*10.88*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	120.33	24.63
		For Type 316, Add	*19.61*	
		For Work In Restricted Working Space, Add	*13.48*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	153.16	28.55
		For Type 316, Add	*25.53*	
		For Work In Restricted Working Space, Add	*16.49*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	211.14	28.55
		For Work In Restricted Working Space, Add	*20.92*	
40 05 23 23-0011		Stainless Steel Tubing And Fittings *(40 05 23 23)*		
40 05 23 23-0012		Type 304 Tubing *(40 05 23 23-0011)*		
40 05 23 23-0013		0.035" Wall *(40 05 23 23-0012)*		
40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	8.66	3.10
		For Work In Restricted Working Space, Add	*1.85*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.00	3.68
		For Work In Restricted Working Space, Add	*2.21*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	11.97	4.36
		For Work In Restricted Working Space, Add	*2.59*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	20.05	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	23.85	5.51
		For Work In Restricted Working Space, Add	*3.33*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	26.39	6.21
		For Work In Restricted Working Space, Add	*3.71*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	29.36	7.46
		For Work In Restricted Working Space, Add	*4.45*	
40 05 23 23-0021		0.049" Wall *(40 05 23 23-0012)*		
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	14.79	3.68
		For Work In Restricted Working Space, Add	*2.21*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	16.43	4.36
		For Work In Restricted Working Space, Add	*2.59*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	19.83	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	25.10	6.21
		For Work In Restricted Working Space, Add	*3.71*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	28.63	7.46
		For Work In Restricted Working Space, Add	*4.45*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	32.10	8.61
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	37.06	9.76
		For Work In Restricted Working Space, Add	*5.89*	
40 05 23 23-0029		0.065" Wall *(40 05 23 23-0012)*		
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	17.26	4.36
		For Work In Restricted Working Space, Add	*2.59*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	19.89	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	24.49	6.21
		For Work In Restricted Working Space, Add	*3.71*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	28.74	7.46
		For Work In Restricted Working Space, Add	*4.45*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	33.93	8.61
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	39.01	9.76
		For Work In Restricted Working Space, Add	*5.89*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	43.98	11.03
		For Work In Restricted Working Space, Add	*6.63*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0037		Type 304 Tube Fittings *(40 05 23 23-0011)*			
40 05 23 23-0038		90 Degree Elbows *(40 05 23 23-0037)*			
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow		56.20	12.40
		For Work In Restricted Working Space, Add		*7.41*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow		66.74	13.56
		For Work In Restricted Working Space, Add		*8.11*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow		101.84	15.28
		For Work In Restricted Working Space, Add		*9.19*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow		108.58	17.11
		For Work In Restricted Working Space, Add		*10.29*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow		121.61	18.50
		For Work In Restricted Working Space, Add		*11.12*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow		167.34	20.56
		For Work In Restricted Working Space, Add		*12.31*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow		213.54	24.47
		For Work In Restricted Working Space, Add		*14.66*	
40 05 23 23-0046		Union Tees *(40 05 23 23-0037)*			
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee		89.43	18.50
		For Work In Restricted Working Space, Add		*11.12*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee		108.97	20.56
		For Work In Restricted Working Space, Add		*12.31*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee		150.19	22.98
		For Work In Restricted Working Space, Add		*13.79*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee		161.24	26.07
		For Work In Restricted Working Space, Add		*15.66*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee		207.34	28.02
		For Work In Restricted Working Space, Add		*16.81*	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee		332.88	31.02
		For Work In Restricted Working Space, Add		*18.63*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee		398.99	37.10
		For Work In Restricted Working Space, Add		*22.23*	
40 05 23 23-0054		Unions *(40 05 23 23-0037)*			
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union		85.26	18.50
		For Work In Restricted Working Space, Add		*11.12*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union		111.32	20.56
		For Work In Restricted Working Space, Add		*12.31*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union		151.73	22.98
		For Work In Restricted Working Space, Add		*13.79*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union		185.45	26.07
		For Work In Restricted Working Space, Add		*15.66*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union		222.07	28.02
		For Work In Restricted Working Space, Add		*16.81*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union		344.63	31.02
		For Work In Restricted Working Space, Add		*18.63*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union		365.69	37.10
		For Work In Restricted Working Space, Add		*22.23*	
40 05 23 23-0062		Male Connectors *(40 05 23 23-0037)*			
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection		41.28	12.40
		For Work In Restricted Working Space, Add		*7.41*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection		52.07	13.56
		For Work In Restricted Working Space, Add		*8.11*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection		68.10	15.28
		For Work In Restricted Working Space, Add		*9.19*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304		76.77	17.11
		For Work In Restricted Working Space, Add		*10.29*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection		93.34	18.50
		For Work In Restricted Working Space, Add		*11.12*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection		142.55	20.56
		For Work In Restricted Working Space, Add		*12.31*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection		148.51	24.47
		For Work In Restricted Working Space, Add		*14.66*	
40 05 23 23-0070		Type 304 Valves *(40 05 23 23-0011)*			
40 05 23 23-0071		Gate Valves *(40 05 23 23-0070)*			
40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304		230.80	18.50
		For Work In Restricted Working Space, Add		*10.03*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304		391.08	21.71
		For Work In Restricted Working Space, Add		*10.56*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304		404.75	24.47
		For Work In Restricted Working Space, Add		*14.66*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304		448.49	28.02
		For Work In Restricted Working Space, Add		*16.81*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304		409.39	37.10
		For Work In Restricted Working Space, Add		*22.23*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0077		**Globe Valves** *(40 05 23 23-0070)*			
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304		234.03	18.50
		For Work In Restricted Working Space, Add		*10.03*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304		153.27	21.71
		For Work In Restricted Working Space, Add		*10.56*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304		276.84	24.47
		For Work In Restricted Working Space, Add		*14.66*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304		308.01	28.02
		For Work In Restricted Working Space, Add		*16.81*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304		450.10	37.10
		For Work In Restricted Working Space, Add		*22.23*	
40 05 23 23-0083		**Check Valves** *(40 05 23 23-0070)*			
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304		329.06	18.50
		For Work In Restricted Working Space, Add		*10.03*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304		330.83	21.71
		For Work In Restricted Working Space, Add		*10.56*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304		214.12	24.47
		For Work In Restricted Working Space, Add		*14.66*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304		223.67	28.02
		For Work In Restricted Working Space, Add		*16.81*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304		246.54	37.10
		For Work In Restricted Working Space, Add		*22.23*	
40 05 23 23-0089		**Plug Valves** *(40 05 23 23-0070)*			
40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304		509.27	24.47
		For Work In Restricted Working Space, Add		*14.66*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304		557.34	28.02
		For Work In Restricted Working Space, Add		*16.81*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304		629.98	37.10
		For Work In Restricted Working Space, Add		*22.23*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304		876.91	41.93
		For Work In Restricted Working Space, Add		*25.15*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304		1,141.34	57.43
		For Work In Restricted Working Space, Add		*34.46*	
40 05 23 23-0095		**Type 316 Tubing** *(40 05 23 23-0011)*			
40 05 23 23-0096		**0.035" Wall** *(40 05 23 23-0095)*			
40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall		9.04	3.10
		For Work In Restricted Working Space, Add		*1.85*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall		11.86	3.68
		For Work In Restricted Working Space, Add		*2.21*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall		13.11	4.36
		For Work In Restricted Working Space, Add		*2.59*	
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall		23.06	4.94
		For Work In Restricted Working Space, Add		*2.96*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall		26.19	5.51
		For Work In Restricted Working Space, Add		*3.33*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall		33.57	6.21
		For Work In Restricted Working Space, Add		*3.71*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall		34.92	7.46
		For Work In Restricted Working Space, Add		*4.45*	
40 05 23 23-0104		**0.049" Wall** *(40 05 23 23-0095)*			
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall		16.40	3.68
		For Work In Restricted Working Space, Add		*2.21*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall		18.12	4.36
		For Work In Restricted Working Space, Add		*2.59*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall		21.41	4.94
		For Work In Restricted Working Space, Add		*2.96*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall		28.03	6.21
		For Work In Restricted Working Space, Add		*3.71*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall		32.27	7.46
		For Work In Restricted Working Space, Add		*4.45*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall		41.45	8.61
		For Work In Restricted Working Space, Add		*5.18*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall		41.97	9.76
		For Work In Restricted Working Space, Add		*5.89*	
40 05 23 23-0112		**0.065" Wall** *(40 05 23 23-0095)*			
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall		19.18	4.36
		For Work In Restricted Working Space, Add		*2.59*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall		21.35	4.94
		For Work In Restricted Working Space, Add		*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	26.79	6.21
		For Work In Restricted Working Space, Add	*3.71*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	31.91	7.46
		For Work In Restricted Working Space, Add	*4.45*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	38.79	8.61
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	42.62	9.76
		For Work In Restricted Working Space, Add	*5.89*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	49.79	11.03
		For Work In Restricted Working Space, Add	*6.63*	
40 05 23 23-0120		**Type 316 Tube Fittings** *(40 05 23 23-0011)*		
40 05 23 23-0121		**90 Degree Elbows** *(40 05 23 23-0120)*		
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	78.93	12.40
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	95.41	13.56
		For Work In Restricted Working Space, Add	*8.11*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	153.24	15.28
		For Work In Restricted Working Space, Add	*9.19*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	162.21	17.11
		For Work In Restricted Working Space, Add	*10.29*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	182.65	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	258.54	20.56
		For Work In Restricted Working Space, Add	*12.31*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	332.43	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	127.24	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	158.03	20.56
		For Work In Restricted Working Space, Add	*12.31*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	225.45	22.98
		For Work In Restricted Working Space, Add	*13.79*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	239.96	26.07
		For Work In Restricted Working Space, Add	*15.66*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	316.59	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	528.38	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	633.54	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	79.49	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	102.92	20.56
		For Work In Restricted Working Space, Add	*12.31*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	139.09	22.98
		For Work In Restricted Working Space, Add	*13.79*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	169.52	26.07
		For Work In Restricted Working Space, Add	*15.66*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	202.22	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	310.86	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	330.83	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0145		**Male Connectors** *(40 05 23 23-0120)*		
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	53.00	12.40
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	69.77	13.56
		For Work In Restricted Working Space, Add	*8.11*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	94.59	15.28
		For Work In Restricted Working Space, Add	*9.19*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	106.80	17.11
		For Work In Restricted Working Space, Add	*10.29*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	133.14	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	214.33	20.56
		For Work In Restricted Working Space, Add	*12.31*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	218.95	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0153		**Type 316 Valves** *(40 05 23 23-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0154		**Gate Valves** *(40 05 23 23-0153)*		
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	294.52	18.50
		For Work In Restricted Working Space, Add	*10.03*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	505.98	21.71
		For Work In Restricted Working Space, Add	*10.56*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	519.65	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	575.21	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	517.64	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	714.40	38.48
		For Work In Restricted Working Space, Add	*23.09*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,153.06	41.93
		For Work In Restricted Working Space, Add	*25.15*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,369.42	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,007.15	183.90
		For Work In Restricted Working Space, Add	*110.30*	
40 05 23 23-0164		**Globe Valves** *(40 05 23 23-0153)*		
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	298.80	18.50
		For Work In Restricted Working Space, Add	*10.03*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	191.40	21.71
		For Work In Restricted Working Space, Add	*10.56*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	350.45	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	389.37	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	571.49	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	715.89	38.25
		For Work In Restricted Working Space, Add	*22.92*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,195.83	41.93
		For Work In Restricted Working Space, Add	*25.15*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,412.19	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,736.28	183.90
		For Work In Restricted Working Space, Add	*110.30*	
40 05 23 23-0174		**Check Valves** *(40 05 23 23-0153)*		
40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	424.50	18.50
		For Work In Restricted Working Space, Add	*10.03*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	426.27	21.71
		For Work In Restricted Working Space, Add	*10.56*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	267.48	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	277.79	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	302.21	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	421.68	38.48
		For Work In Restricted Working Space, Add	*23.09*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	953.47	41.93
		For Work In Restricted Working Space, Add	*25.15*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,155.58	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,268.51	183.90
		For Work In Restricted Working Space, Add	*110.30*	
40 05 23 23-0184		**Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined** *(40 05 23 23-0153)*		
40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	454.16	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	530.70	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	676.47	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,083.15	41.93
		For Work In Restricted Working Space, Add	*25.15*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,513.91	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0190		**Diaphragm Valves, Teflon Lined** *(40 05 23 23-0153)*		
40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	604.05	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	694.48	28.02
		For Work In Restricted Working Space, Add	*16.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	840.25	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,313.54	41.93
		For Work In Restricted Working Space, Add	*25.15*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,788.71	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0196		**Strainers** *(40 05 23 23-0153)*		
40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	605.50	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	724.98	28.15
		For Work In Restricted Working Space, Add	*16.89*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	948.41	37.33
		For Work In Restricted Working Space, Add	*22.40*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,180.12	38.48
		For Work In Restricted Working Space, Add	*23.09*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,483.25	41.93
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,139.99	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,941.73	76.39
		For Work In Restricted Working Space, Add	*45.83*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,282.83	114.87
		For Work In Restricted Working Space, Add	*68.92*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,470.54	183.78
		For Work In Restricted Working Space, Add	*110.26*	
40 05 23 23-0206		**Plug Valves** *(40 05 23 23-0153)*		
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	645.73	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	705.93	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	794.75	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,111.99	41.93
		For Work In Restricted Working Space, Add	*25.15*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,445.60	57.43
		For Work In Restricted Working Space, Add	*34.46*	
40 05 23 23-0212		**Cut And Prepare Existing Pipe In-Place** *(40 05 23 23-0011)*		
		Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	22.97	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	24.80	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	27.90	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	29.28	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	30.99	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	33.29	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	35.60	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	39.04	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	42.48	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	45.93	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	49.37	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	53.96	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	58.56	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	63.15	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	67.74	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	71.19	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	74.63	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	79.23	
40 05 23 23-0231		**Stainless Steel Pipe And Fittings** *(40 05 23 23)*		
40 05 23 23-0232		**Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0233		**Type 304, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0232)*		
40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	19.83	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.33	6.21
		For Work In Restricted Working Space, Add	*3.71*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	30.04	7.46
		For Work In Restricted Working Space, Add	*4.45*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	36.30	8.61
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	42.12	9.76
		For Work In Restricted Working Space, Add	*5.89*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	53.96	12.40
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	74.63	14.71
		For Work In Restricted Working Space, Add	*8.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	93.79	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	127.42	24.47
		For Work In Restricted Working Space, Add	*14.66*	

40 05 23 23-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	40.38	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	53.64	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	69.03	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	96.93	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	115.66	49.96
		For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	140.94	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	237.06	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	305.13	123.48
		For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	419.72	153.12
		For Work In Restricted Working Space, Add	*91.89*	

40 05 23 23-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	41.15	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	54.88	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	69.42	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	96.78	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	113.83	49.96
		For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	140.52	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	245.37	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	321.34	123.48
		For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	438.60	153.12
		For Work In Restricted Working Space, Add	*91.89*	

40 05 23 23-0263 150#, Type 304 Stainless Steel Threaded Tees *(40 05 23 23-0232)*

40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee	60.56	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee	81.29	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee	101.03	45.95
		For Work In Restricted Working Space, Add	*27.57*	
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	145.81	63.87
		For Work In Restricted Working Space, Add	*38.29*	
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	166.18	71.79
		For Work In Restricted Working Space, Add	*43.07*	
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee	220.46	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	339.02	138.41
		For Work In Restricted Working Space, Add	*83.03*	
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee	460.22	185.28
		For Work In Restricted Working Space, Add	*111.16*	
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee	621.45	229.73
		For Work In Restricted Working Space, Add	*137.84*	

40 05 23 23-0273 150#, Type 304 Stainless Steel Threaded Reducers *(40 05 23 23-0232)*

40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	53.07	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	67.81	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	93.45	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	111.93	49.96
		For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	141.03	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	234.60	95.68
		For Work In Restricted Working Space, Add	*57.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	308.49	123.48
		For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	408.12	153.12
		For Work In Restricted Working Space, Add	*91.89*	
40 05 23 23-0282		150#, Type 304 Stainless Steel Threaded Caps *(40 05 23 23-0232)*		
40 05 23 23-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	20.75	9.31
		For Work In Restricted Working Space, Add	*5.56*	
40 05 23 23-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	27.48	12.40
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap	34.79	15.28
		For Work In Restricted Working Space, Add	*9.19*	
40 05 23 23-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	50.89	21.71
		For Work In Restricted Working Space, Add	*13.01*	
40 05 23 23-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	58.77	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap	74.69	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	114.64	45.95
		For Work In Restricted Working Space, Add	*27.57*	
40 05 23 23-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap	152.35	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap	206.36	76.62
		For Work In Restricted Working Space, Add	*45.95*	
40 05 23 23-0292		150#, Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*		
40 05 23 23-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union	65.38	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union	85.96	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union	109.79	45.95
		For Work In Restricted Working Space, Add	*27.57*	
40 05 23 23-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union	158.68	63.87
		For Work In Restricted Working Space, Add	*38.29*	
40 05 23 23-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union	178.67	71.79
		For Work In Restricted Working Space, Add	*43.07*	
40 05 23 23-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union	233.47	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union	401.01	143.58
		For Work In Restricted Working Space, Add	*86.15*	
40 05 23 23-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union	513.91	185.28
		For Work In Restricted Working Space, Add	*111.17*	
40 05 23 23-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union	539.04	153.17
		For Work In Restricted Working Space, Add	*91.91*	
40 05 23 23-0302		150#, Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*		
40 05 23 23-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	40.06	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	53.22	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	68.69	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	95.57	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	112.33	49.96
		For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	138.47	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	229.97	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	296.83	123.48
		For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	383.71	153.12
		For Work In Restricted Working Space, Add	*91.89*	
40 05 23 23-0312		Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings *(40 05 23 23-0231)*		
40 05 23 23-0313		Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*		
40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	25.10	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	29.53	6.21
		For Work In Restricted Working Space, Add	*3.71*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	37.51	7.46
		For Work In Restricted Working Space, Add	*4.45*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	46.07	8.61
		For Work In Restricted Working Space, Add	*5.18*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	53.69	9.76
		For Work In Restricted Working Space, Add	*5.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	69.45	12.40
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	96.27	14.71
		For Work In Restricted Working Space, Add	*8.84*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	126.07	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	169.44	24.47
		For Work In Restricted Working Space, Add	*14.66*	

40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	41.39	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	55.14	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	69.95	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	98.58	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	117.86	49.96
		For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	143.66	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	241.40	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	315.75	123.48
		For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	432.62	153.12
		For Work In Restricted Working Space, Add	*91.89*	

40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	42.20	18.50
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	55.65	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	70.55	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	98.41	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	115.73	49.96
		For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	143.06	60.42
		For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	249.45	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	330.74	123.48
		For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	463.95	153.12
		For Work In Restricted Working Space, Add	*91.89*	

40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 23-0312)*

40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee	61.63	28.02
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee	82.38	37.10
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee	102.25	45.95
		For Work In Restricted Working Space, Add	*27.57*	
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	148.28	63.87
		For Work In Restricted Working Space, Add	*38.29*	
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	168.63	71.79
		For Work In Restricted Working Space, Add	*43.07*	
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee	223.69	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	352.19	138.41
		For Work In Restricted Working Space, Add	*83.03*	
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee	478.18	185.28
		For Work In Restricted Working Space, Add	*111.16*	
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee	634.84	229.73
		For Work In Restricted Working Space, Add	*137.84*	

40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 23-0312)*

40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	53.98	24.47
		For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	70.53	31.02
		For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	93.96	42.50
		For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	114.60	49.96
		For Work In Restricted Working Space, Add	*29.96*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0358		EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	145.71	60.42
			For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0359		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	245.24	95.68
			For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0360		EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	320.23	123.48
			For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0361		EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	427.71	153.12
			For Work In Restricted Working Space, Add	*91.89*	
40 05 23 23-0362			150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 23-0312)*		
40 05 23 23-0363		EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	21.35	9.31
			For Work In Restricted Working Space, Add	*5.56*	
40 05 23 23-0364		EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	27.92	12.40
			For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0365		EA	1", 150#, Type 316 Stainless Steel Threaded Cap	35.59	15.28
			For Work In Restricted Working Space, Add	*9.19*	
40 05 23 23-0366		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	53.09	21.71
			For Work In Restricted Working Space, Add	*13.01*	
40 05 23 23-0367		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	61.37	24.47
			For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0368		EA	2", 150#, Type 316 Stainless Steel Threaded Cap	78.09	31.02
			For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0369		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	120.25	45.95
			For Work In Restricted Working Space, Add	*27.57*	
40 05 23 23-0370		EA	3", 150#, Type 316 Stainless Steel Threaded Cap	158.05	60.42
			For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0371		EA	4", 150#, Type 316 Stainless Steel Threaded Cap	217.68	76.62
			For Work In Restricted Working Space, Add	*45.95*	
40 05 23 23-0372			150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*		
40 05 23 23-0373		EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	66.67	28.02
			For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0374		EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	90.81	37.10
			For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-0375		EA	1", 150#, Type 316 Stainless Steel Threaded Union	112.24	45.95
			For Work In Restricted Working Space, Add	*27.57*	
40 05 23 23-0376		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	162.85	63.87
			For Work In Restricted Working Space, Add	*38.29*	
40 05 23 23-0377		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	183.54	71.79
			For Work In Restricted Working Space, Add	*43.07*	
40 05 23 23-0378		EA	2", 150#, Type 316 Stainless Steel Threaded Union	239.11	95.68
			For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0379		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	409.66	143.58
			For Work In Restricted Working Space, Add	*86.15*	
40 05 23 23-0380		EA	3", 150#, Type 316 Stainless Steel Threaded Union	540.87	185.28
			For Work In Restricted Working Space, Add	*111.17*	
40 05 23 23-0381		EA	4", 150#, Type 316 Stainless Steel Threaded Union	596.49	153.17
			For Work In Restricted Working Space, Add	*91.91*	
40 05 23 23-0382			150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*		
40 05 23 23-0383		EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	42.09	18.50
			For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-0384		EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	54.16	24.47
			For Work In Restricted Working Space, Add	*14.66*	
40 05 23 23-0385		EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	69.59	31.02
			For Work In Restricted Working Space, Add	*18.63*	
40 05 23 23-0386		EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	97.00	42.50
			For Work In Restricted Working Space, Add	*25.52*	
40 05 23 23-0387		EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	114.04	49.96
			For Work In Restricted Working Space, Add	*29.96*	
40 05 23 23-0388		EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	140.84	60.42
			For Work In Restricted Working Space, Add	*36.27*	
40 05 23 23-0389		EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	238.26	95.68
			For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-0390		EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	307.50	123.48
			For Work In Restricted Working Space, Add	*74.11*	
40 05 23 23-0391		EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	399.73	153.12
			For Work In Restricted Working Space, Add	*91.89*	
40 05 23 23-0392			Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*		
40 05 23 23-0393			Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*		
40 05 23 23-0394		LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	22.56	4.83
			For Work In Restricted Working Space, Add	*2.90*	
40 05 23 23-0395		LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	26.74	5.90
			For Work In Restricted Working Space, Add	*3.54*	
40 05 23 23-0396		LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	36.08	6.97
			For Work In Restricted Working Space, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	43.91	8.69
		For Work In Restricted Working Space, Add	*5.19*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	48.75	9.76
		For Work In Restricted Working Space, Add	*5.85*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	60.28	12.12
		For Work In Restricted Working Space, Add	*7.25*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	72.53	13.84
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	86.15	15.56
		For Work In Restricted Working Space, Add	*9.33*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	109.03	18.45
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	161.09	24.25
		For Work In Restricted Working Space, Add	*14.50*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	266.86	43.99
		For Work In Restricted Working Space, Add	*28.27*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	346.75	48.36
		For Work In Restricted Working Space, Add	*31.09*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	418.17	53.77
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	518.75	60.45
		For Work In Restricted Working Space, Add	*38.87*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	569.28	69.10
		For Work In Restricted Working Space, Add	*44.42*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	635.39	80.61
		For Work In Restricted Working Space, Add	*51.82*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	893.67	96.73
		For Work In Restricted Working Space, Add	*62.18*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	1,169.45	120.92
		For Work In Restricted Working Space, Add	*77.73*	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	127.50	55.04
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	135.02	58.43
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	148.80	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	162.40	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	179.37	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	200.52	85.98
		For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	260.71	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	305.82	128.96
		For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	374.47	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	512.80	192.82
		For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	894.98	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,318.89	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,991.85	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,354.87	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,765.03	886.65
		For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,494.22	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,871.81	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	6,993.30	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	129.03	55.04
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	136.55	58.43
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	150.63	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	164.84	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	179.67	77.28
		For Work In Restricted Working Space, Add	*51.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	200.52	85.98
		For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	259.18	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	303.07	128.96
		For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	369.28	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	485.62	192.82
		For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	842.54	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,225.54	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,844.06	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,173.47	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,541.15	886.65
		For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,200.22	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,475.10	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	6,430.55	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	
40 05 23 23-0450		**Type 304, Schedule 10 Stainless Steel Butt Weld Tee** *(40 05 23 23-0392)*		
40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	172.27	69.96
		For Work In Restricted Working Space, Add	*46.64*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	207.64	85.88
		For Work In Restricted Working Space, Add	*57.25*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	231.22	96.49
		For Work In Restricted Working Space, Add	*64.33*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	263.18	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	279.27	118.11
		For Work In Restricted Working Space, Add	*78.74*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	304.29	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	393.86	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	462.86	193.44
		For Work In Restricted Working Space, Add	*128.96*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	531.93	217.10
		For Work In Restricted Working Space, Add	*144.74*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	774.90	289.46
		For Work In Restricted Working Space, Add	*192.98*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,297.45	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	1,991.85	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,560.90	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,150.03	1,000.81
		For Work In Restricted Working Space, Add	*667.21*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	3,815.84	1,220.88
		For Work In Restricted Working Space, Add	*813.92*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	4,855.51	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	6,492.85	2,045.52
		For Work In Restricted Working Space, Add	*1,363.68*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	9,734.17	3,109.18
		For Work In Restricted Working Space, Add	*2,072.79*	
40 05 23 23-0469		**Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0392)*		
40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	159.82	58.45
		For Work In Restricted Working Space, Add	*38.97*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	189.09	71.62
		For Work In Restricted Working Space, Add	*47.75*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	233.47	80.47
		For Work In Restricted Working Space, Add	*53.65*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	241.43	91.73
		For Work In Restricted Working Space, Add	*61.16*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	252.96	98.57
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	330.66	107.43
		For Work In Restricted Working Space, Add	*71.62*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	389.40	128.76
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	479.82	160.94
		For Work In Restricted Working Space, Add	*107.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	634.06	183.90
		For Work In Restricted Working Space, Add	*122.60*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,213.28	277.61
		For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,999.17	370.15
		For Work In Restricted Working Space, Add	*246.76*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,856.75	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,465.91	667.02
		For Work In Restricted Working Space, Add	*444.68*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,292.38	813.64
		For Work In Restricted Working Space, Add	*542.42*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,542.75	1,036.40
		For Work In Restricted Working Space, Add	*690.93*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	7,881.84	1,363.68
		For Work In Restricted Working Space, Add	*909.12*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	12,328.93	2,070.95
		For Work In Restricted Working Space, Add	*1,380.63*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	128.49	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	141.54	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	156.91	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	166.81	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	181.81	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	244.53	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	276.38	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	322.98	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	416.98	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	676.61	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	860.68	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,157.58	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,650.19	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,929.61	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,375.52	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,334.62	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	4,808.61	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	157.21	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	162.61	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	171.34	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	193.08	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	200.75	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	265.30	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	296.84	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	338.80	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	474.10	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	799.04	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,099.50	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,378.26	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,159.27	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,512.93	664.35
		For Work In Restricted Working Space, Add	*442.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,087.44	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,475.44	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	6,320.54	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	
40 05 23 23-0522		**Type 304, Schedule 10 Stainless Steel Butt Weld Caps** *(40 05 23 23-0392)*		
40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	70.63	27.52
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	77.75	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	85.39	32.10
		For Work In Restricted Working Space, Add	*21.40*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	94.10	34.98
		For Work In Restricted Working Space, Add	*23.33*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	100.84	38.63
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	108.66	42.98
		For Work In Restricted Working Space, Add	*28.66*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	141.20	55.02
		For Work In Restricted Working Space, Add	*36.68*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	159.48	64.49
		For Work In Restricted Working Space, Add	*42.99*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	192.29	77.18
		For Work In Restricted Working Space, Add	*51.46*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	248.50	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	431.18	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	574.15	222.09
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	845.35	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	992.43	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,151.25	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,454.41	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,007.82	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	2,961.84	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0541		**Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0542		**Type 304, Schedule 40 Stainless Steel Pipe** *(40 05 23 23-0541)*		
40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	25.74	4.83
		For Work In Restricted Working Space, Add	*2.90*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	31.23	5.90
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	38.50	6.97
		For Work In Restricted Working Space, Add	*4.15*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	48.14	8.59
		For Work In Restricted Working Space, Add	*5.19*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	55.62	9.66
		For Work In Restricted Working Space, Add	*5.85*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	71.60	12.34
		For Work In Restricted Working Space, Add	*7.25*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	89.80	13.94
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	85.84	15.56
		For Work In Restricted Working Space, Add	*9.33*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	147.52	18.24
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	233.32	24.14
		For Work In Restricted Working Space, Add	*14.50*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	411.32	43.75
		For Work In Restricted Working Space, Add	*28.27*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	526.44	48.36
		For Work In Restricted Working Space, Add	*31.09*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	661.28	53.55
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 23-0556		**Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 23-0541)*		
40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	128.72	55.04
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	136.24	58.43
		For Work In Restricted Working Space, Add	*38.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	149.71	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	163.06	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	179.98	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	202.66	85.98
		For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	268.65	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	317.43	128.96
		For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	394.02	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	637.72	192.82
		For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,065.20	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,664.26	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,439.80	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,898.30	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,463.14	886.65
		For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,464.23	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	6,069.07	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	8,701.39	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	130.86	55.04
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	138.38	58.43
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	151.24	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	164.62	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	181.50	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	202.98	85.98
		For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	268.65	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	308.88	128.96
		For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	398.60	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	533.57	192.82
		For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	956.01	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,391.47	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,037.38	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,309.80	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,762.46	886.65
		For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,486.71	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,750.05	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	6,897.40	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	173.49	69.96
		For Work In Restricted Working Space, Add	*46.64*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	208.86	85.88
		For Work In Restricted Working Space, Add	*57.25*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	232.44	96.49
		For Work In Restricted Working Space, Add	*64.33*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	266.29	110.03
		For Work In Restricted Working Space, Add	*73.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	280.49	118.11
		For Work In Restricted Working Space, Add	*78.74*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	305.82	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	397.99	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	469.27	193.44
		For Work In Restricted Working Space, Add	*128.96*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	538.95	217.10
		For Work In Restricted Working Space, Add	*144.74*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	823.46	289.46
		For Work In Restricted Working Space, Add	*192.98*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,441.60	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,434.21	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,027.33	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,089.90	1,000.81
		For Work In Restricted Working Space, Add	*667.21*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	5,188.00	1,220.88
		For Work In Restricted Working Space, Add	*813.92*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	6,718.56	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	8,678.16	2,045.52
		For Work In Restricted Working Space, Add	*1,363.68*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	13,283.38	3,109.18
		For Work In Restricted Working Space, Add	*2,072.79*	

40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0541)*

40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	163.79	58.45
		For Work In Restricted Working Space, Add	*38.97*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	193.06	71.62
		For Work In Restricted Working Space, Add	*47.75*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	252.58	80.47
		For Work In Restricted Working Space, Add	*53.65*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	247.23	91.73
		For Work In Restricted Working Space, Add	*61.16*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	252.96	98.57
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	311.14	107.43
		For Work In Restricted Working Space, Add	*71.62*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	346.33	128.76
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	457.22	160.94
		For Work In Restricted Working Space, Add	*107.30*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	637.72	183.90
		For Work In Restricted Working Space, Add	*122.60*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,083.64	277.61
		For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,039.74	370.15
		For Work In Restricted Working Space, Add	*246.76*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,937.90	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,352.05	667.02
		For Work In Restricted Working Space, Add	*444.68*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,149.78	813.64
		For Work In Restricted Working Space, Add	*542.42*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	5,356.80	1,036.40
		For Work In Restricted Working Space, Add	*690.93*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,603.37	1,363.68
		For Work In Restricted Working Space, Add	*909.12*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	11,885.42	2,070.95
		For Work In Restricted Working Space, Add	*1,380.63*	

40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0541)*

40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	131.55	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	144.59	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	157.13	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	169.87	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	183.64	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	244.53	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	265.38	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	307.34	128.82
		For Work In Restricted Working Space, Add	*85.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	419.43	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	728.47	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	949.75	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,237.07	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,828.59	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,153.87	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,829.66	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,870.30	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	5,363.36	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	158.45	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	169.03	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	193.34	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	204.38	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	218.16	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	265.30	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	334.72	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	364.46	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	499.45	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	801.70	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,097.19	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,498.33	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,468.96	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,800.17	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,665.78	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,760.86	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	7,585.63	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	71.54	27.52
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	76.83	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	86.31	32.10
		For Work In Restricted Working Space, Add	*21.40*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	98.19	34.98
		For Work In Restricted Working Space, Add	*23.33*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	104.81	38.63
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	108.36	42.98
		For Work In Restricted Working Space, Add	*28.66*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	139.14	55.02
		For Work In Restricted Working Space, Add	*36.68*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	160.70	64.49
		For Work In Restricted Working Space, Add	*42.99*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	195.95	77.18
		For Work In Restricted Working Space, Add	*51.46*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	271.10	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	467.47	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	625.47	222.09
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	943.14	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,082.01	388.65
		For Work In Restricted Working Space, Add	*259.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,274.48	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,600.47	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,202.60	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	3,287.50	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0685		Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*		
40 05 23 23-0686		Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*		
40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	26.59	4.83
		For Work In Restricted Working Space, Add	*2.90*	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	31.40	5.90
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	43.03	6.97
		For Work In Restricted Working Space, Add	*4.15*	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	52.22	8.69
		For Work In Restricted Working Space, Add	*5.19*	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	57.89	9.76
		For Work In Restricted Working Space, Add	*5.85*	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	71.56	12.12
		For Work In Restricted Working Space, Add	*7.25*	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	86.56	13.84
		For Work In Restricted Working Space, Add	*8.28*	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	103.35	15.56
		For Work In Restricted Working Space, Add	*9.33*	
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	131.59	18.45
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	196.30	24.25
		For Work In Restricted Working Space, Add	*14.50*	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	320.78	43.99
		For Work In Restricted Working Space, Add	*28.27*	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	422.67	48.36
		For Work In Restricted Working Space, Add	*31.09*	
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	512.80	53.77
		For Work In Restricted Working Space, Add	*34.55*	
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	640.29	60.45
		For Work In Restricted Working Space, Add	*38.87*	
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	700.82	69.10
		For Work In Restricted Working Space, Add	*44.42*	
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	779.88	80.61
		For Work In Restricted Working Space, Add	*51.82*	
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	1,108.03	96.73
		For Work In Restricted Working Space, Add	*62.18*	
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	1,453.74	120.92
		For Work In Restricted Working Space, Add	*77.73*	
40 05 23 23-0705		Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0685)*		
40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	129.03	55.04
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	136.55	58.43
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	150.63	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	165.06	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	181.20	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	202.66	85.98
		For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	264.68	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	311.63	128.96
		For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	383.33	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	536.01	192.82
		For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	938.20	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,418.82	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,128.09	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,483.07	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,967.81	886.65
		For Work In Restricted Working Space, Add	*591.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,737.38	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,219.17	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	7,509.46	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0685)*

40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	130.86	55.04
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	138.38	58.43
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	152.46	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	167.51	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	181.20	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	202.66	85.98
		For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	262.85	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	308.88	128.96
		For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	376.91	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	498.14	192.82
		For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	870.24	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,391.47	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,037.38	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,398.07	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,811.96	886.65
		For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,553.85	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,054.26	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	7,289.82	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	176.24	69.96
		For Work In Restricted Working Space, Add	*46.64*	
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	211.61	85.88
		For Work In Restricted Working Space, Add	*57.25*	
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	235.19	96.49
		For Work In Restricted Working Space, Add	*64.33*	
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	270.51	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	285.07	118.11
		For Work In Restricted Working Space, Add	*78.74*	
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	309.48	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	377.22	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	472.94	193.44
		For Work In Restricted Working Space, Add	*128.96*	
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	545.67	217.10
		For Work In Restricted Working Space, Add	*144.74*	
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	814.30	289.46
		For Work In Restricted Working Space, Add	*192.98*	
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	1,401.01	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	2,190.76	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	2,824.45	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	3,638.71	1,000.81
		For Work In Restricted Working Space, Add	*667.21*	
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	4,289.10	1,220.88
		For Work In Restricted Working Space, Add	*813.92*	
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	5,450.97	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	7,361.19	2,045.52
		For Work In Restricted Working Space, Add	*1,363.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	10,495.76	3,109.18
		For Work In Restricted Working Space, Add	*2,072.79*	
40 05 23 23-0762		**Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0685)*		
40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	169.29	58.45
		For Work In Restricted Working Space, Add	*38.97*	
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	200.39	71.62
		For Work In Restricted Working Space, Add	*47.75*	
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	247.25	80.47
		For Work In Restricted Working Space, Add	*53.65*	
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	250.90	91.73
		For Work In Restricted Working Space, Add	*61.16*	
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	266.10	98.57
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	370.37	107.43
		For Work In Restricted Working Space, Add	*71.62*	
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	353.66	128.76
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	479.82	160.94
		For Work In Restricted Working Space, Add	*107.30*	
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	690.56	183.90
		For Work In Restricted Working Space, Add	*122.60*	
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,377.56	277.61
		For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,547.08	370.15
		For Work In Restricted Working Space, Add	*246.76*	
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,323.51	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,775.15	667.02
		For Work In Restricted Working Space, Add	*444.68*	
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,679.67	813.64
		For Work In Restricted Working Space, Add	*542.42*	
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	6,047.79	1,036.40
		For Work In Restricted Working Space, Add	*690.93*	
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,638.15	1,363.68
		For Work In Restricted Working Space, Add	*909.12*	
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	13,533.51	2,070.95
		For Work In Restricted Working Space, Add	*1,380.63*	
40 05 23 23-0780		**Type 316, Schedule 10 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0685)*		
40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	131.24	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	144.90	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	161.79	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	168.95	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	183.64	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	243.25	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	283.71	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	309.52	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	431.95	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	692.26	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	897.31	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,200.80	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,709.71	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,985.97	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,458.37	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,462.63	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,035.57	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	154.98	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	173.09	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	195.22	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	208.04	69.98
		For Work In Restricted Working Space, Add	*46.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	207.77	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	276.60	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	317.92	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	355.91	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	511.67	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	865.02	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,194.84	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,509.54	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,295.19	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,693.61	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,337.55	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,868.72	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,705.41	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	

40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0688)*

40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	74.60	27.52
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	82.94	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	90.89	32.10
		For Work In Restricted Working Space, Add	*21.40*	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	99.41	34.98
		For Work In Restricted Working Space, Add	*23.33*	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	107.25	38.63
		For Work In Restricted Working Space, Add	*25.76*	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	112.33	42.98
		For Work In Restricted Working Space, Add	*28.66*	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	140.03	55.02
		For Work In Restricted Working Space, Add	*36.68*	
40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	165.89	64.49
		For Work In Restricted Working Space, Add	*42.99*	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	198.70	77.18
		For Work In Restricted Working Space, Add	*51.46*	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	259.80	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	451.30	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	598.59	222.09
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	881.08	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,024.65	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,178.48	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,485.62	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,057.60	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,115.09	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	31.11	4.83
		For Work In Restricted Working Space, Add	*2.90*	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	37.73	5.90
		For Work In Restricted Working Space, Add	*3.54*	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	46.75	6.97
		For Work In Restricted Working Space, Add	*4.15*	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	58.45	8.59
		For Work In Restricted Working Space, Add	*5.19*	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	67.71	9.66
		For Work In Restricted Working Space, Add	*5.85*	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	87.47	12.34
		For Work In Restricted Working Space, Add	*7.25*	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	110.60	13.94
		For Work In Restricted Working Space, Add	*8.28*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0843		LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	104.16	15.56
			For Work In Restricted Working Space, Add	*9.33*	
40 05 23 23-0844		LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	184.56	18.24
			For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0845		LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	295.19	24.14
			For Work In Restricted Working Space, Add	*14.50*	
40 05 23 23-0846		LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	517.40	43.75
			For Work In Restricted Working Space, Add	*28.27*	
40 05 23 23-0847		LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	667.88	48.36
			For Work In Restricted Working Space, Add	*31.09*	
40 05 23 23-0848		LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	843.97	53.55
			For Work In Restricted Working Space, Add	*34.55*	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0850		EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	130.56	55.04
			For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0851		EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	138.08	58.43
			For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0852		EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	152.16	64.20
			For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0853		EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	165.73	69.98
			For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0854		EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	182.73	77.28
			For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0855		EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	206.32	85.98
			For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0856		EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	275.98	110.03
			For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0857		EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	327.51	128.96
			For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0858		EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	418.15	154.35
			For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0859		EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	658.18	192.82
			For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0860		EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,172.06	333.14
			For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0861		EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,930.11	444.16
			For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0862		EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,746.59	666.25
			For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0863		EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,066.85	777.30
			For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0864		EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,729.95	886.65
			For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0865		EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,765.26	1,110.43
			For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0866		EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	6,428.13	1,554.59
			For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0867		EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	9,334.33	2,220.84
			For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0869		EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	133.61	55.04
			For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-0870		EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	141.13	58.43
			For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-0871		EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	153.99	64.20
			For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0872		EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	166.62	69.98
			For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0873		EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	184.56	77.28
			For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0874		EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	206.32	85.98
			For Work In Restricted Working Space, Add	*57.32*	
40 05 23 23-0875		EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	275.98	110.03
			For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0876		EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	315.60	128.96
			For Work In Restricted Working Space, Add	*85.97*	
40 05 23 23-0877		EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	395.54	154.35
			For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0878		EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	565.33	192.82
			For Work In Restricted Working Space, Add	*128.55*	
40 05 23 23-0879		EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,008.47	333.14
			For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0880		EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,553.10	444.16
			For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0881		EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,241.88	666.25
			For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0882		EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,544.49	777.30
			For Work In Restricted Working Space, Add	*518.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,872.97	886.65
		For Work In Restricted Working Space, Add	*591.10*	
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,698.38	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,020.80	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	7,454.89	2,220.84
		For Work In Restricted Working Space, Add	*1,480.56*	

40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	178.07	69.96
		For Work In Restricted Working Space, Add	*46.64*	
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	213.44	85.88
		For Work In Restricted Working Space, Add	*57.25*	
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	237.02	96.49
		For Work In Restricted Working Space, Add	*64.33*	
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	273.17	110.03
		For Work In Restricted Working Space, Add	*73.36*	
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	285.07	118.11
		For Work In Restricted Working Space, Add	*78.74*	
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	310.70	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	388.10	154.35
		For Work In Restricted Working Space, Add	*102.90*	
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	478.74	193.44
		For Work In Restricted Working Space, Add	*128.96*	
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	555.75	217.10
		For Work In Restricted Working Space, Add	*144.74*	
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	886.08	289.46
		For Work In Restricted Working Space, Add	*192.98*	
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,585.42	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	2,677.64	666.25
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,291.22	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	4,736.73	1,000.81
		For Work In Restricted Working Space, Add	*667.21*	
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	5,871.38	1,220.88
		For Work In Restricted Working Space, Add	*813.92*	
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	7,607.89	1,554.59
		For Work In Restricted Working Space, Add	*1,036.40*	
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	9,881.16	2,045.52
		For Work In Restricted Working Space, Add	*1,363.68*	
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	14,135.31	3,109.18
		For Work In Restricted Working Space, Add	*2,072.79*	

40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

40 05 23 23-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	175.09	58.45
		For Work In Restricted Working Space, Add	*38.97*	
40 05 23 23-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	204.36	71.62
		For Work In Restricted Working Space, Add	*47.75*	
40 05 23 23-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	271.68	80.47
		For Work In Restricted Working Space, Add	*53.65*	
40 05 23 23-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	260.36	91.73
		For Work In Restricted Working Space, Add	*61.16*	
40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	266.10	98.57
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	372.20	107.43
		For Work In Restricted Working Space, Add	*71.62*	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	366.79	128.76
		For Work In Restricted Working Space, Add	*85.85*	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	492.96	160.94
		For Work In Restricted Working Space, Add	*107.30*	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	698.81	183.90
		For Work In Restricted Working Space, Add	*122.60*	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,215.27	277.61
		For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,587.66	370.15
		For Work In Restricted Working Space, Add	*246.76*	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,404.66	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,864.19	667.02
		For Work In Restricted Working Space, Add	*444.68*	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,791.18	813.64
		For Work In Restricted Working Space, Add	*542.42*	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	6,193.21	1,036.40
		For Work In Restricted Working Space, Add	*690.93*	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	8,855.92	1,363.68
		For Work In Restricted Working Space, Add	*909.12*	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	13,880.34	2,070.95
		For Work In Restricted Working Space, Add	*1,380.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0924		Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*		
40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	136.13	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	149.78	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	164.01	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	174.45	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	187.00	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	254.00	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	271.80	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	313.76	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	434.09	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	756.17	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,017.71	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,287.22	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,874.32	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,161.17	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,895.98	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,930.73	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	5,626.65	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	170.64	53.15
		For Work In Restricted Working Space, Add	*35.43*	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	181.24	57.91
		For Work In Restricted Working Space, Add	*38.61*	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	211.11	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	217.51	69.98
		For Work In Restricted Working Space, Add	*46.65*	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	232.82	77.28
		For Work In Restricted Working Space, Add	*51.52*	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	276.60	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	360.07	109.93
		For Work In Restricted Working Space, Add	*73.29*	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	389.51	128.82
		For Work In Restricted Working Space, Add	*85.88*	
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	558.40	164.00
		For Work In Restricted Working Space, Add	*109.34*	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	849.19	266.50
		For Work In Restricted Working Space, Add	*177.67*	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,222.21	333.14
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,696.25	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,561.54	582.97
		For Work In Restricted Working Space, Add	*388.65*	
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,952.30	664.35
		For Work In Restricted Working Space, Add	*442.90*	
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,977.46	832.81
		For Work In Restricted Working Space, Add	*555.21*	
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,107.37	1,110.43
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	7,656.66	1,665.64
		For Work In Restricted Working Space, Add	*1,110.43*	
40 05 23 23-0959		Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*		
40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	75.21	27.52
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	82.64	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	91.50	32.10
		For Work In Restricted Working Space, Add	*21.40*	
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	105.07	34.98
		For Work In Restricted Working Space, Add	*23.33*	
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	102.67	38.63
		For Work In Restricted Working Space, Add	*25.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	116.60	42.98
		For Work In Restricted Working Space, Add	*28.66*	
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	145.58	55.02
		For Work In Restricted Working Space, Add	*36.68*	
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	166.81	64.49
		For Work In Restricted Working Space, Add	*42.99*	
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	205.42	77.18
		For Work In Restricted Working Space, Add	*51.46*	
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	287.90	96.57
		For Work In Restricted Working Space, Add	*64.38*	
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	504.08	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	676.26	222.09
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,008.12	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,147.77	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,288.75	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,647.09	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,260.87	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	3,510.95	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	

40 05 23 23-0978 Valves *(40 05 23 23-0231)*

40 05 23 23-0979 Gate Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	701.79	55.13
		For Work In Restricted Working Space, Add	*20.68*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	761.64	57.43
		For Work In Restricted Working Space, Add	*24.12*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged	937.22	86.15
		For Work In Restricted Working Space, Add	*32.51*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,183.53	100.50
		For Work In Restricted Working Space, Add	*37.46*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,331.71	126.51
		For Work In Restricted Working Space, Add	*47.44*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,580.27	153.12
		For Work In Restricted Working Space, Add	*57.43*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,280.86	166.56
		For Work In Restricted Working Space, Add	*62.65*	
		For Class 300, Add	*1,947.70*	
40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	2,567.49	195.28
		For Work In Restricted Working Space, Add	*73.32*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	3,382.04	327.37
		For Work In Restricted Working Space, Add	*123.07*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	5,684.45	413.52
		For Work In Restricted Working Space, Add	*155.63*	
		For Class 300, Add	*4,855.76*	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	12,477.53	528.38
		For Work In Restricted Working Space, Add	*196.91*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	17,604.31	643.25
		For Work In Restricted Working Space, Add	*241.22*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	26,542.56	781.08
		For Work In Restricted Working Space, Add	*292.39*	
		For Class 300, Add	*24,033.86*	

40 05 23 23-0993 Globe Valves, Class 150 *(40 05 23 23-0978)*

40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	962.94	55.13
		For Work In Restricted Working Space, Add	*20.68*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,065.12	57.43
		For Work In Restricted Working Space, Add	*24.12*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	1,326.29	86.15
		For Work In Restricted Working Space, Add	*32.51*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,972.08	126.51
		For Work In Restricted Working Space, Add	*47.44*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	2,407.05	153.12
		For Work In Restricted Working Space, Add	*57.43*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,873.29	166.56
		For Work In Restricted Working Space, Add	*62.65*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	5,038.41	195.28
		For Work In Restricted Working Space, Add	*73.32*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	5,981.65	327.37
		For Work In Restricted Working Space, Add	*123.07*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	11,078.52	413.52
		For Work In Restricted Working Space, Add	*155.63*	
		For Class 300, Add	*9,926.18*	
40 05 23 23-1003		Check Valves, Class 150 *(40 05 23 23-0978)*		
40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,181.43	166.56
		For Work In Restricted Working Space, Add	*62.65*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	2,278.49	195.28
		For Work In Restricted Working Space, Add	*73.32*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	3,575.90	327.37
		For Work In Restricted Working Space, Add	*123.07*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	6,176.53	413.52
		For Work In Restricted Working Space, Add	*155.63*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	10,894.24	528.38
		For Work In Restricted Working Space, Add	*196.91*	
		For Class 300, Add	*9,623.60*	
40 05 23 23-1009		Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*		
40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	89.64	33.34
		For Work In Restricted Working Space, Add	*22.23*	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	118.22	44.46
		For Work In Restricted Working Space, Add	*29.64*	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	145.63	55.13
		For Work In Restricted Working Space, Add	*36.76*	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	209.24	78.02
		For Work In Restricted Working Space, Add	*52.01*	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	231.37	87.98
		For Work In Restricted Working Space, Add	*58.65*	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	289.20	111.77
		For Work In Restricted Working Space, Add	*74.51*	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	519.86	172.30
		For Work In Restricted Working Space, Add	*114.87*	
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting	697.60	219.96
		For Work In Restricted Working Space, Add	*146.64*	
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting	921.48	275.67
		For Work In Restricted Working Space, Add	*183.78*	
40 05 23 23-1019		Stainless Steel Flanges *(40 05 23 23-0231)*		
40 05 23 23-1020		150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*		
40 05 23 23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	79.45	18.53
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	96.51	24.71
		For Work In Restricted Working Space, Add	*14.82*	
40 05 23 23-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	114.03	30.63
		For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	153.59	43.35
		For Work In Restricted Working Space, Add	*26.01*	
40 05 23 23-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	164.66	48.88
		For Work In Restricted Working Space, Add	*29.33*	
40 05 23 23-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	211.83	62.08
		For Work In Restricted Working Space, Add	*37.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	313.92	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	372.53	195.28
		For Work In Restricted Working Space, Add	*73.32*	
40 05 23 23-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	481.55	153.12
		For Work In Restricted Working Space, Add	*91.89*	

40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	103.95	18.53
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	116.30	24.71
		For Work In Restricted Working Space, Add	*14.82*	
40 05 23 23-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	128.16	30.63
		For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	189.42	43.35
		For Work In Restricted Working Space, Add	*26.01*	
40 05 23 23-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	200.49	48.88
		For Work In Restricted Working Space, Add	*29.33*	
40 05 23 23-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	248.56	62.08
		For Work In Restricted Working Space, Add	*37.25*	
40 05 23 23-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	395.90	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	456.37	195.28
		For Work In Restricted Working Space, Add	*73.32*	
40 05 23 23-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	610.64	153.12
		For Work In Restricted Working Space, Add	*91.89*	

40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	103.56	27.51
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	112.03	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	125.97	32.10
		For Work In Restricted Working Space, Add	*21.41*	
40 05 23 23-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	156.04	35.01
		For Work In Restricted Working Space, Add	*23.35*	
40 05 23 23-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	163.99	38.59
		For Work In Restricted Working Space, Add	*25.73*	
40 05 23 23-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	182.24	42.99
		For Work In Restricted Working Space, Add	*28.67*	
40 05 23 23-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	253.17	54.98
		For Work In Restricted Working Space, Add	*36.65*	
40 05 23 23-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	286.26	64.37
		For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	371.14	77.12
		For Work In Restricted Working Space, Add	*51.42*	
40 05 23 23-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	558.97	96.36
		For Work In Restricted Working Space, Add	*64.25*	
40 05 23 23-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	954.26	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	1,355.56	222.08
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	2,085.60	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	2,611.92	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	3,266.52	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	4,005.17	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	5,180.03	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange	7,360.39	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	

40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	132.77	27.51
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	136.53	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	142.96	32.10
		For Work In Restricted Working Space, Add	*21.41*	
40 05 23 23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	188.97	35.01
		For Work In Restricted Working Space, Add	*23.35*	
40 05 23 23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	196.92	38.59
		For Work In Restricted Working Space, Add	*25.73*	
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	210.51	42.99
		For Work In Restricted Working Space, Add	*28.67*	
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	302.13	54.98
		For Work In Restricted Working Space, Add	*36.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	340.88	64.37
		For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	499.23	77.12
		For Work In Restricted Working Space, Add	*51.42*	
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	704.05	96.36
		For Work In Restricted Working Space, Add	*64.25*	
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,316.02	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,833.23	222.08
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,692.36	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,571.08	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,413.56	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	5,638.52	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	7,269.83	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	10,587.98	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-1078		150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*		
40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	159.99	55.03
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	168.47	58.42
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	185.10	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	213.11	70.03
		For Work In Restricted Working Space, Add	*46.69*	
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	229.03	77.19
		For Work In Restricted Working Space, Add	*51.47*	
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	265.56	85.99
		For Work In Restricted Working Space, Add	*57.33*	
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	348.95	109.96
		For Work In Restricted Working Space, Add	*73.31*	
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	398.25	128.73
		For Work In Restricted Working Space, Add	*85.83*	
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	495.44	154.26
		For Work In Restricted Working Space, Add	*102.84*	
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	661.01	192.73
		For Work In Restricted Working Space, Add	*128.49*	
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	1,180.27	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,670.07	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,489.58	666.24
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-1092		300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*		
40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	178.84	55.03
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	186.36	58.42
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	199.23	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	242.32	70.03
		For Work In Restricted Working Space, Add	*46.69*	
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	258.24	77.19
		For Work In Restricted Working Space, Add	*51.47*	
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	285.30	85.99
		For Work In Restricted Working Space, Add	*57.33*	
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	422.47	109.96
		For Work In Restricted Working Space, Add	*73.31*	
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	471.72	128.73
		For Work In Restricted Working Space, Add	*85.83*	
40 05 23 23-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	597.17	154.26
		For Work In Restricted Working Space, Add	*102.84*	
40 05 23 23-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	948.36	192.73
		For Work In Restricted Working Space, Add	*128.49*	
40 05 23 23-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,470.42	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,137.37	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	3,090.67	666.24
		For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-1106		150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	64.67	11.00
		For Work In Restricted Working Space, Add	*7.34*	
40 05 23 23-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	67.41	11.67
		For Work In Restricted Working Space, Add	*7.79*	
40 05 23 23-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	72.84	12.83
		For Work In Restricted Working Space, Add	*8.56*	
40 05 23 23-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	94.90	14.29
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	106.06	19.31
		For Work In Restricted Working Space, Add	*12.88*	
40 05 23 23-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	125.86	21.44
		For Work In Restricted Working Space, Add	*14.29*	
40 05 23 23-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	172.42	27.56
		For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	208.31	38.62
		For Work In Restricted Working Space, Add	*25.75*	
40 05 23 23-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	314.50	64.36
		For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	434.52	82.76
		For Work In Restricted Working Space, Add	*55.17*	
40 05 23 23-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	689.14	103.64
		For Work In Restricted Working Space, Add	*69.09*	
40 05 23 23-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,073.41	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,424.19	155.46
		For Work In Restricted Working Space, Add	*103.64*	
40 05 23 23-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,811.77	194.33
		For Work In Restricted Working Space, Add	*129.55*	
40 05 23 23-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,349.05	221.66
		For Work In Restricted Working Space, Add	*147.78*	
40 05 23 23-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,771.20	277.61
		For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	3,673.18	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	5,353.77	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1125		**300#, Type 304 Stainless Steel Blind Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	83.84	11.00
		For Work In Restricted Working Space, Add	*7.34*	
40 05 23 23-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	85.35	11.67
		For Work In Restricted Working Space, Add	*7.79*	
40 05 23 23-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	87.92	12.83
		For Work In Restricted Working Space, Add	*8.56*	
40 05 23 23-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	112.79	14.29
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	123.95	19.31
		For Work In Restricted Working Space, Add	*12.88*	
40 05 23 23-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	135.29	21.44
		For Work In Restricted Working Space, Add	*14.29*	
40 05 23 23-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	238.37	27.56
		For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	270.02	38.62
		For Work In Restricted Working Space, Add	*25.75*	
40 05 23 23-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	391.73	64.36
		For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	752.94	82.76
		For Work In Restricted Working Space, Add	*55.17*	
40 05 23 23-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,069.74	103.64
		For Work In Restricted Working Space, Add	*69.09*	
40 05 23 23-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,536.90	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,135.49	155.46
		For Work In Restricted Working Space, Add	*103.64*	
40 05 23 23-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,998.13	194.33
		For Work In Restricted Working Space, Add	*129.55*	
40 05 23 23-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	3,846.89	221.66
		For Work In Restricted Working Space, Add	*147.78*	
40 05 23 23-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	5,025.42	277.61
		For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	6,347.67	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	9,752.66	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1144		**150#, Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	96.43	18.53
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-1146	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	118.20	24.71
		For Work In Restricted Working Space, Add	*14.82*	
40 05 23 23-1147	EA	1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	134.73	30.63
		For Work In Restricted Working Space, Add	*18.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	184.66	43.35
		For Work In Restricted Working Space, Add	*26.01*	
40 05 23 23-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	195.73	48.88
		For Work In Restricted Working Space, Add	*29.33*	
40 05 23 23-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	245.75	62.08
		For Work In Restricted Working Space, Add	*37.25*	
40 05 23 23-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	362.92	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	435.67	195.28
		For Work In Restricted Working Space, Add	*73.32*	
40 05 23 23-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	570.10	153.12
		For Work In Restricted Working Space, Add	*91.89*	
40 05 23 23-1154		300#, Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*		
40 05 23 23-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	128.45	18.53
		For Work In Restricted Working Space, Add	*11.12*	
40 05 23 23-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	140.80	24.71
		For Work In Restricted Working Space, Add	*14.82*	
40 05 23 23-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	152.66	30.63
		For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	236.52	43.35
		For Work In Restricted Working Space, Add	*26.01*	
40 05 23 23-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	247.59	48.88
		For Work In Restricted Working Space, Add	*29.33*	
40 05 23 23-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	290.00	62.08
		For Work In Restricted Working Space, Add	*37.25*	
40 05 23 23-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	489.16	95.68
		For Work In Restricted Working Space, Add	*57.43*	
40 05 23 23-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	551.53	195.28
		For Work In Restricted Working Space, Add	*73.32*	
40 05 23 23-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	762.28	153.12
		For Work In Restricted Working Space, Add	*91.89*	
40 05 23 23-1164		150#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*		
40 05 23 23-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	125.20	27.51
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	133.72	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange	150.48	32.10
		For Work In Restricted Working Space, Add	*21.41*	
40 05 23 23-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	188.07	35.01
		For Work In Restricted Working Space, Add	*23.35*	
40 05 23 23-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	196.02	38.59
		For Work In Restricted Working Space, Add	*25.73*	
40 05 23 23-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange	215.22	42.99
		For Work In Restricted Working Space, Add	*28.67*	
40 05 23 23-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	308.70	54.98
		For Work In Restricted Working Space, Add	*36.65*	
40 05 23 23-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange	336.17	64.37
		For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange	455.93	77.12
		For Work In Restricted Working Space, Add	*51.42*	
40 05 23 23-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange	705.95	96.36
		For Work In Restricted Working Space, Add	*64.25*	
40 05 23 23-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange	1,181.32	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange	1,734.31	222.08
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange	2,585.92	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange	3,026.28	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange	3,807.24	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange	4,662.03	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange	5,998.37	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange	8,520.06	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	
40 05 23 23-1183		300#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*		
40 05 23 23-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	161.03	27.51
		For Work In Restricted Working Space, Add	*18.35*	
40 05 23 23-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	164.79	29.21
		For Work In Restricted Working Space, Add	*19.48*	
40 05 23 23-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	171.22	32.10
		For Work In Restricted Working Space, Add	*21.41*	
40 05 23 23-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	227.65	35.01
		For Work In Restricted Working Space, Add	*23.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	235.60	38.59
		For Work In Restricted Working Space, Add	*25.73*	
40 05 23 23-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	257.61	42.99
		For Work In Restricted Working Space, Add	*28.67*	
40 05 23 23-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	383.17	54.98
		For Work In Restricted Working Space, Add	*36.65*	
40 05 23 23-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	417.21	64.37
		For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	640.54	77.12
		For Work In Restricted Working Space, Add	*51.42*	
40 05 23 23-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,053.58	96.36
		For Work In Restricted Working Space, Add	*64.25*	
40 05 23 23-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,673.12	166.56
		For Work In Restricted Working Space, Add	*111.05*	
40 05 23 23-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,411.68	222.08
		For Work In Restricted Working Space, Add	*148.06*	
40 05 23 23-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,542.12	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,807.02	388.65
		For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	5,978.64	443.32
		For Work In Restricted Working Space, Add	*295.55*	
40 05 23 23-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	7,649.30	555.21
		For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	9,800.02	777.30
		For Work In Restricted Working Space, Add	*518.20*	
40 05 23 23-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	14,294.97	1,110.42
		For Work In Restricted Working Space, Add	*740.28*	

40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	171.32	55.03
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	185.45	58.42
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	204.56	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	284.10	70.03
		For Work In Restricted Working Space, Add	*46.69*	
40 05 23 23-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	251.63	77.19
		For Work In Restricted Working Space, Add	*51.47*	
40 05 23 23-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	271.17	85.99
		For Work In Restricted Working Space, Add	*57.33*	
40 05 23 23-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	345.20	109.96
		For Work In Restricted Working Space, Add	*73.31*	
40 05 23 23-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	430.27	128.73
		For Work In Restricted Working Space, Add	*85.83*	
40 05 23 23-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	563.25	154.26
		For Work In Restricted Working Space, Add	*102.84*	
40 05 23 23-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	761.79	192.73
		For Work In Restricted Working Space, Add	*128.49*	
40 05 23 23-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	1,388.44	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,954.61	444.16
		For Work In Restricted Working Space, Add	*296.11*	
40 05 23 23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,870.18	666.24
		For Work In Restricted Working Space, Add	*444.17*	

40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	197.68	55.03
		For Work In Restricted Working Space, Add	*36.69*	
40 05 23 23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	205.20	58.42
		For Work In Restricted Working Space, Add	*38.95*	
40 05 23 23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	218.07	64.20
		For Work In Restricted Working Space, Add	*42.81*	
40 05 23 23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	279.06	70.03
		For Work In Restricted Working Space, Add	*46.69*	
40 05 23 23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	294.98	77.19
		For Work In Restricted Working Space, Add	*51.47*	
40 05 23 23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	320.04	85.99
		For Work In Restricted Working Space, Add	*57.33*	
40 05 23 23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	504.40	109.96
		For Work In Restricted Working Space, Add	*73.31*	
40 05 23 23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	555.55	128.73
		For Work In Restricted Working Space, Add	*85.83*	
40 05 23 23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	727.16	154.26
		For Work In Restricted Working Space, Add	*102.84*	
40 05 23 23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,137.73	192.73
		For Work In Restricted Working Space, Add	*128.49*	
40 05 23 23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,665.46	333.12
		For Work In Restricted Working Space, Add	*222.08*	
40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,772.35	444.16
		For Work In Restricted Working Space, Add	*296.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1229		EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	3,650.28	666.24
			For Work In Restricted Working Space, Add	*444.17*	
40 05 23 23-1230			**150#, Type 316 Stainless Steel Blind Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1231		EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	73.47	11.00
			For Work In Restricted Working Space, Add	*7.34*	
40 05 23 23-1232		EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	83.45	11.67
			For Work In Restricted Working Space, Add	*7.79*	
40 05 23 23-1233		EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	94.49	12.83
			For Work In Restricted Working Space, Add	*8.56*	
40 05 23 23-1234		EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	111.84	14.29
			For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-1235		EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	123.00	19.31
			For Work In Restricted Working Space, Add	*12.88*	
40 05 23 23-1236		EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	154.13	21.44
			For Work In Restricted Working Space, Add	*14.29*	
40 05 23 23-1237		EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	216.72	27.56
			For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1238		EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	257.31	38.62
			For Work In Restricted Working Space, Add	*25.75*	
40 05 23 23-1239		EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	397.39	64.36
			For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1240		EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	567.37	82.76
			For Work In Restricted Working Space, Add	*55.17*	
40 05 23 23-1241		EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,006.60	103.64
			For Work In Restricted Working Space, Add	*69.09*	
40 05 23 23-1242		EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,324.02	124.37
			For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-1243		EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,146.81	155.46
			For Work In Restricted Working Space, Add	*103.64*	
40 05 23 23-1244		EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,551.61	194.33
			For Work In Restricted Working Space, Add	*129.55*	
40 05 23 23-1245		EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,344.38	221.66
			For Work In Restricted Working Space, Add	*147.78*	
40 05 23 23-1246		EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,926.20	277.61
			For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-1247		EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	5,179.47	388.65
			For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1248		EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	7,562.64	555.21
			For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1249			**300#, Type 316 Stainless Steel Blind Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1250		EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	115.86	11.00
			For Work In Restricted Working Space, Add	*7.34*	
40 05 23 23-1251		EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	117.37	11.67
			For Work In Restricted Working Space, Add	*7.79*	
40 05 23 23-1252		EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	119.94	12.83
			For Work In Restricted Working Space, Add	*8.56*	
40 05 23 23-1253		EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	181.59	14.29
			For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-1254		EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	192.75	19.31
			For Work In Restricted Working Space, Add	*12.88*	
40 05 23 23-1255		EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	213.46	21.44
			For Work In Restricted Working Space, Add	*14.29*	
40 05 23 23-1256		EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	358.99	27.56
			For Work In Restricted Working Space, Add	*18.38*	
40 05 23 23-1257		EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	392.97	38.62
			For Work In Restricted Working Space, Add	*25.75*	
40 05 23 23-1258		EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	598.99	64.36
			For Work In Restricted Working Space, Add	*42.91*	
40 05 23 23-1259		EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,106.28	82.76
			For Work In Restricted Working Space, Add	*55.17*	
40 05 23 23-1260		EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,435.31	103.64
			For Work In Restricted Working Space, Add	*69.09*	
40 05 23 23-1261		EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,599.64	124.37
			For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-1262		EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,169.01	155.46
			For Work In Restricted Working Space, Add	*103.64*	
40 05 23 23-1263		EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,585.56	194.33
			For Work In Restricted Working Space, Add	*129.55*	
40 05 23 23-1264		EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	5,921.74	221.66
			For Work In Restricted Working Space, Add	*147.78*	
40 05 23 23-1265		EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	7,752.36	277.61
			For Work In Restricted Working Space, Add	*185.07*	
40 05 23 23-1266		EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	9,739.89	388.65
			For Work In Restricted Working Space, Add	*259.10*	
40 05 23 23-1267		EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	15,022.13	555.21
			For Work In Restricted Working Space, Add	*370.14*	
40 05 23 23-1268			**Type 316 Seamless Annealed Tubing** *(40 05 23 23)*		
			Note: For high pressure air (8000 PSIG working pressure).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	25.26	
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	32.05	
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	38.88	

40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	79.46	
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	94.64	
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	145.90	
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	66.08	
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	109.03	
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	80.92	
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	102.69	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	158.27	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	101.08	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	155.28	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	97.56	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	127.07	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	211.55	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	175.39	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	215.35	

40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*

40 05 23 23-1290 Needle Valves *(40 05 23 23-1289)*

40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	414.50	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	662.17	

40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)*

40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	398.09	

40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)*

40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,675.39	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	414.40	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	76.66	

40 05 41 Glass Process Pipe *(40 05)*

40 05 41 00-0001 Glass Pressure Pipe *(40 05 41)*

40 05 41 00-0002 Glass Pipe, Beaded Joints *(40 05 41 00-0001)*

40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure	52.39	15.86
		For Work In Restricted Working Space, Add	*9.52*	
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure	62.86	19.03
		For Work In Restricted Working Space, Add	*11.42*	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure	74.53	21.15
		For Work In Restricted Working Space, Add	*12.69*	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure	97.49	28.55
		For Work In Restricted Working Space, Add	*17.13*	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure	121.13	33.83
		For Work In Restricted Working Space, Add	*20.30*	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure	154.57	39.12
		For Work In Restricted Working Space, Add	*23.47*	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure	212.65	52.87
		For Work In Restricted Working Space, Add	*31.72*	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure	318.69	63.44
		For Work In Restricted Working Space, Add	*38.07*	

40 05 41 00-0011 Glass 90 Degree Elbows *(40 05 41 00-0001)*

40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure	217.45	84.58
		For Work In Restricted Working Space, Add	*50.75*	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure	236.63	89.87
		For Work In Restricted Working Space, Add	*53.93*	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure	264.74	95.16
		For Work In Restricted Working Space, Add	*57.09*	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure	290.83	105.73
		For Work In Restricted Working Space, Add	*63.44*	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure	338.45	116.31
		For Work In Restricted Working Space, Add	*69.79*	
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure	443.54	137.45
		For Work In Restricted Working Space, Add	*82.47*	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure	530.79	148.02
		For Work In Restricted Working Space, Add	*88.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure	950.14	169.17
		For Work In Restricted Working Space, Add	*101.51*	
40 05 41 00-0020		**Glass 45 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure	215.52	84.58
		For Work In Restricted Working Space, Add	*50.75*	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure	234.36	89.87
		For Work In Restricted Working Space, Add	*53.93*	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure	261.75	95.16
		For Work In Restricted Working Space, Add	*57.09*	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	287.66	105.73
		For Work In Restricted Working Space, Add	*63.44*	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	334.18	116.31
		For Work In Restricted Working Space, Add	*69.78*	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure	436.82	137.45
		For Work In Restricted Working Space, Add	*82.48*	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure	521.39	148.02
		For Work In Restricted Working Space, Add	*88.80*	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure	925.54	169.17
		For Work In Restricted Working Space, Add	*101.47*	
40 05 41 00-0029		**Glass Tees** *(40 05 41 00-0001)*		
40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	336.47	126.88
		For Work In Restricted Working Space, Add	*76.14*	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	358.69	137.45
		For Work In Restricted Working Space, Add	*82.48*	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	388.59	148.02
		For Work In Restricted Working Space, Add	*88.80*	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure	452.71	158.60
		For Work In Restricted Working Space, Add	*95.14*	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	507.69	174.46
		For Work In Restricted Working Space, Add	*104.69*	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	618.03	211.47
		For Work In Restricted Working Space, Add	*126.88*	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure	771.27	221.94
		For Work In Restricted Working Space, Add	*133.17*	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	1,079.44	253.65
		For Work In Restricted Working Space, Add	*152.21*	
40 05 41 00-0038		**Glass Couplings, Vitron Liner** *(40 05 41 00-0001)*		
40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	69.44	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	79.36	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	92.59	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass	105.82	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	127.31	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	233.13	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	281.08	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	562.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	410.49	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	122.53	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	987.80	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist	7,084.77	373.42
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist	7,168.07	373.42
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist	8,648.70	373.42
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist	10,926.83	497.89
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	13,786.44	622.36
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	16,230.66	914.62
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	18,731.28	1,104.69
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	20,572.40	1,104.69

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	2,851.25	360.97
		For DC Electrical Operated, Add	*531.78*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	2,968.15	360.97
		For DC Electrical Operated, Add	*560.52*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,264.25	360.97
		For DC Electrical Operated, Add	*631.57*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	4,831.76	373.42
		For DC Electrical Operated, Add	*1,015.56*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	4,193.89	373.42
		For DC Electrical Operated, Add	*853.88*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	5,920.28	385.86
		For DC Electrical Operated, Add	*1,275.45*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	5,410.35	423.20
		For DC Electrical Operated, Add	*1,113.13*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	6,638.50	522.78
		For DC Electrical Operated, Add	*1,414.08*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	7,819.15	553.66
		For DC Electrical Operated, Add	*1,715.33*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	12,482.95	577.73
		For DC Electrical Operated, Add	*2,831.62*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	14,910.20	601.80
		For DC Electrical Operated, Add	*3,425.93*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	20,525.68	625.87
		For DC Electrical Operated, Add	*4,816.95*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	26,211.99	686.05
		For DC Electrical Operated, Add	*6,208.29*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		Hand Chain Hoists *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,799.61	152.63
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,123.78	154.72
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,857.60	162.04
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,218.91	164.12
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	3,888.16	172.49
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,353.16	201.76
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,045.73	208.04
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	7,897.85	250.89
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	9,653.10	262.40
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	17,035.42	300.03

41 50 Material Storage *(41)*

41 53 Storage Equipment and Systems *(41 50)*

41 53 13 Storage Cabinets *(41 53)*

41 53 13 00-0001		Steel Storage Cabinets *(41 53 13)*		
		Note: Includes powder coated finish and 4 adjustable shelves.		
41 53 13 00-0002	EA	36" Width x 24" Depth x 78" Height, 22 Gauge, Welded Steel Storage Cabinet	1,023.08	16.27
41 53 13 00-0003	EA	36" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet	2,094.20	16.27
		For 4" High Legs, Add	*343.89*	
		For Galvanized Finish, Add	*301.00*	
41 53 13 00-0004	EA	48" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet	2,185.06	16.27
		For 4" High Legs, Add	*343.89*	
		For Galvanized Finish, Add	*301.00*	
41 53 13 00-0005	EA	60" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet	2,852.78	16.27
		For 4" High Legs, Add	*343.89*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0006	EA	36" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet	2,161.82	16.27
		For 4" High Legs, Add	*343.89*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0007	EA	48" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet	2,256.91	16.27
		For 4" High Legs, Add	*343.89*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0008	EA	60" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet	2,943.64	16.27
		For 4" High Legs, Add	*343.89*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0009		Plastic Storage Cabinets *(41 53 13)*		
41 53 13 00-0010	EA	36" Width x 22" Depth x 46" Height, Plastic Storage Cabinet	751.24	16.27
		Note: Includes 2 adjustable shelves.		
41 53 13 00-0011	EA	36" Width x 22" Depth x 72" Height, Plastic Storage Cabinet	931.86	16.27
		Note: Includes 4 adjustable shelves.		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 05 Common Work Results for Process Gas and Liquid Handling, Purification, and Storage Equipment *(43)*

43 05 10 Common Work Results for Gas Handling Equipment *(43 05)*

43 05 10 00-0001		Compressed Natural Gas Monitoring And Detection System *(43 05 10)*			
43 05 10 00-0002	EA	ISS Ethersense Controller and Display (Integrated Sensing Solutions 801-000-1340)			50,523.55
43 05 10 00-0003	EA	Controller with Timed-Delay Relay Input/Output Box (6 TD, 4 In, 4 Out) (Integrated Sensing Solutions 700-010-0200)			9,618.31
43 05 10 00-0004	EA	Gas Monitor transmitter low explosive limit and carbon monoxide (Integrated Sensing Solutions 000-000-0102)			8,705.86
43 05 10 00-0005	EA	Gas Monitor transmitter nitrous oxide (Integrated Sensing Solutions 000-000-0300)			7,447.15
43 05 10 00-0006	EA	Audio Horn/Visual Alarm, 24 Volt DC, Red Lens (Integrated Sensing Solutions 820-010-0015R)			5,502.32
43 05 10 00-0007	EA	Remote Cal Manifold, Single (Integrated Sensing Solutions 740-500-0001)			3,769.29
43 05 10 00-0008	LF	Tubing Poly Urethane. 1/8 ID x 1/4 OD Black (Integrated Sensing Solutions 000-400-0500-B)			52.49
43 05 10 00-0009	LF	Tubing Poly Urethane. 1/8 ID x 1/4 OD Blue (Integrated Sensing Solutions 000-400-0500-BL)			52.49
43 05 10 00-0010	EA	EtherSense RCS controller (auto calibration capbilites not part of this base package) (Integrated Sensing Solutions 840-100-1102)			22,206.45
43 05 10 00-0011	EA	Junction Box, Steel, No Cutouts, 15 TB. internal terminals (Integrated Sensing Solutions 700-001-0003)			2,155.60
43 05 10 00-0012	EA	Relay for control of roll up doors, EF, gas valve bypass (Veris H932)			2,464.09
43 05 10 00-0013	EA	Control Panel, indoor rated (Hoffman A24N24BLP)			2,826.22
43 05 10 00-0014	EA	Low Voltage Transformer, multiple circuit capability (Functional Devices PSH100AB10)			2,508.48
43 05 10 00-0015	EA	Autocalibration Add-On Package with internal pump controller. upgraded manifold (Integrated Sensing Solutions 700-300-1101)			74,795.37
43 05 10 00-0016	EA	RCS, Zero Gas with Manifold Regulator (Integrated Sensing Solutions 700-300-0001)			19,965.60
43 05 10 00-0017	EA	RCS, Span Gas with Manifold Regulator (Integrated Sensing Solutions 700-300-0100)			19,965.60
43 05 10 00-0018	EA	Position Indicator (Anixter 2507-AL)			1,866.87
43 05 10 00-0019	EA	Differential Pressure Switch (Dwyer MS2-D102)			2,068.59
43 05 10 00-0020		Compressed Natural Gas Monitoring And Detection System (Det-Tronics) *(43 05 10)*			
43 05 10 00-0021	EA	Wall Mount Enclosure with window cutout and print and HOAs (Det-Tronics 000001-848)			28,835.99
43 05 10 00-0022	EA	Eagle Quantum System Controller Node 246 (Det-Tronics 007609-063)			36,851.57
43 05 10 00-0023	EA	Enhanced Discrete Input/Output (EDIO) Module (Det-Tronics 009174-003)			11,135.18
43 05 10 00-0024	EA	EQ2100PSM Power Supply Monitor won board addressing (Det-Tronics 006979-001)			6,907.70
43 05 10 00-0025	EA	Wall Mount Enclosure with NEMA 4, IP66 rating (Det-Tronics)			7,127.40
43 05 10 00-0026	EA	EQ2110PS Battery Charger/Power Supply, NFPA comliant, 10 Amperes At 24 Volt DC (Det-Tronics 000604-013)			20,465.77
43 05 10 00-0027	EA	Wall Mount Bracket to use with EQ2120PS, steel painting (Det-Tronics 000508-024)			4,682.56
43 05 10 00-0028	EA	Battery Backup, leadacid top post, 100Ahr (Det-Tronics 000508-035)			3,069.40
43 05 10 00-0029	EA	Battery Enclosure for up to 2 batteries, filtered vents, indoor rated only, latching door (Det-Tronics 000505-046)			5,479.72
43 05 10 00-0030	EA	Safety System Software (S3), diagnostic tools, version 60 node, usb key and RS232 cable (Det-Tronics 007800-011)			13,680.47
43 05 10 00-0031	EA	Remote Display (English) in Enclosure, mulitple 20-character lines, reset function, silence function (Det-Tronics 000506-029)			4,560.16
43 05 10 00-0032	EA	Auto Dialer - Voice Message Type (Det-Tronics 000515-179)			907.01
43 05 10 00-0033	EA	PIRECLA4D1W2 PointWatch Eclipse IR Gas Detector, hydrophobic filtered. HART port (Det-Tronics 010195-043)			12,585.16
43 05 10 00-0034	EA	UD10A5N28W2 UD10 Universal Display. DCU emulator. FM/CSA/ATE.X/CE/IECEx (Det-Tronics 010765-006)			8,461.23
43 05 10 00-0035	EA	GTXSN26W5 GTX Toxic Gas Transmitter. FM/CSA/ATEX/CE/IECEx. ex proof. HART (Det-Tronics 009480-003)			2,903.06
43 05 10 00-0036	EA	GTSNO220PC Toxic Gas Sensor Module, FM/CSA/ATE.X/CE/IECEx (Det-Tronics 009471-016)			2,903.06
43 05 10 00-0037	EA	GTSCO100PWD Toxic Gas Sensor Module, DNV (Det-Tronics 009471-510)			3,351.86
43 05 10 00-0038	EA	Horn, 28 tone-selectable, stainless steel bracket, diode polarized (Det-Tronics 000121-381)			4,277.71
43 05 10 00-0039	EA	Strobe, xenon type, 15 joule, 60 flashes/min, with wire guard (Det-Tronics 000121-155)			4,155.29
43 05 10 00-0040		Compressed Natural Gas Monitoring Extended Warranty *(43 05 10)*			
43 05 10 00-0041	EA	1 Year Extended Warranty; Gas Detection System (Integrated Sensing Solutions 100-100-0001)			10,471.23
43 05 10 00-0042	EA	2 Year Extended Warranty; Gas Detection System (Integrated Sensing Solutions 100-100-0002)			20,126.52
43 05 10 00-0043	EA	3 Year Extended Warranty; Gas Detection System (Integrated Sensing Solutions 100-100-0003)			28,920.54
43 05 10 00-0044	EA	4 Year Extended Warranty; Gas Detection System (Integrated Sensing Solutions 100-100-0004)			36,898.62
43 05 10 00-0045	EA	5 Year Extended Warranty; Gas Detection System (Integrated Sensing Solutions 100-100-0005)			41,884.92
43 05 10 00-0046	EA	Mobile Service (Each Trip To LA); Gas Detection System (Integrated Sensing Solutions 18000004 ISS)			4,533.00

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001		Diaphragm Pump *(43 23 78 31)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	4,814.74	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	3,956.63	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	2,144.65	133.22
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	3,969.97	199.82
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	5,688.70	213.14

END OF SECTION 43

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

46 Water And Wastewater Equipment

46 30 Water and Wastewater Chemical Feed Equipment *(46)*

46 31 Gas Chemical Feed Equipment *(46 30)*

46 31 11 Chlorine Gas Feed Equipment *(46 31)*

46 31 11 00-0001 ChlorTainer (TGO Technologies, Inc.) *(46 31 11)*

46 31 11 00-0002	EA	1.0 Ton ChlorTainer With 2 Bolt Chain Drive Door	241,773.35	
46 31 11 00-0003	EA	1.0 Ton ChlorTainer With 2 Bolt Electronic Closure Door	277,902.95	
46 31 11 00-0004	EA	Spare Parts Kit For 1.0 Ton ChlorTainer	15,064.75	
46 31 11 00-0005	EA	Pressure Switch For 1.0 Ton ChlorTainer	2,514.37	

END OF SECTION 46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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